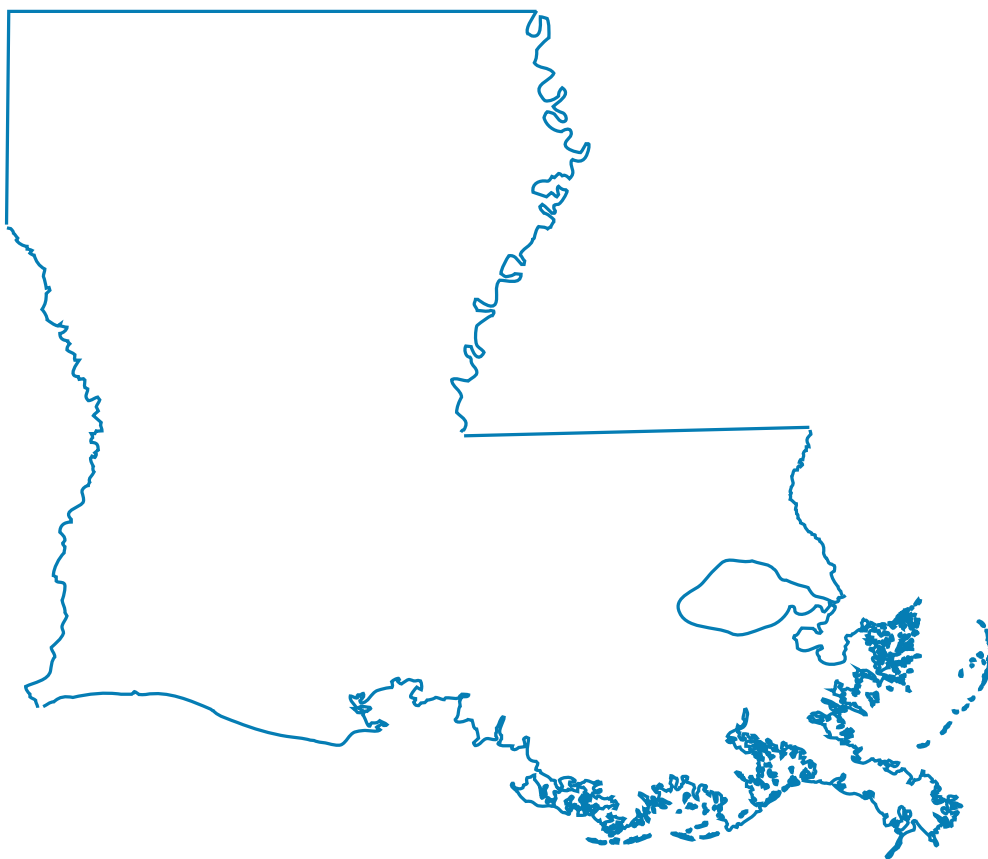


Water Resources Data Louisiana Water Year 2003

Water-Data Report LA-03-1



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



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

CALENDAR FOR WATER YEAR 2003

2002

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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2003

JANUARY							FEBRUARY							MARCH						
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Water Resources Data Louisiana Water Year 2003

By Todd Baumann, B.B. Goree, W.M. Lovelace, P.A. Montgomery, J.C. Resweber,
Garron B. Ross, D.C. Sasser, Jr., and David J. Walters

Water-Data Report LA-03-1



U.S. DEPARTMENT OF THE INTERIOR
GALE A. NORTON, Secretary

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

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Baton Rouge, LA 70816

2004

PREFACE

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

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

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

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13. ABSTRACT (Maximum 200 words) Water resources data for the 2003 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains records for water discharge at 76 gaging stations; stage only for 86 gaging stations and 7 lakes; water quality for 56 surface-water stations (including 44 gaging stations) and 142 wells; and water levels for 313 observation wells. Also included are data for 158 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not included in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.				
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DISCONTINUED SURFACE-WATER DISCHARGE, ELEVATION, OR STAGE-ONLY STATIONS

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

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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE ONLY STATIONS

	Type of data	Station number	Drainage area (mi ²)	Period of record
Bogue Lusa Creek near Franklinton, LA	(d)	02490000	12.1	1948-68
Bogue Lusa Creek at State Highway 439, at Bogalusa, LA	(d)	02490105	72.7	1963-85
Bogue Chitto at Franklinton, LA	(d)	02491500	990	1928-31
	(d)		990	1938-57
Pearl River at Pearl River, LA	(d)	02492600	8,590	1963-70
Gum Bayou at Davis Landing Road near Slidell	(s)	02492649	--	2000-03
Chandeleur Sound at Door Point	(s)	3003010890628	--	1999-2002
Red River near Hosston, LA	(d)	07344400	57,041	1957-96
Paw Paw Bayou near Greenwood, LA	(d)	07344450	80.5	1955-87
Black Bayou near Hosston, LA	(d)	07346500	231	1943-44
Kelly Bayou near Hosston, LA	(d)	07347000	116	1944-69
Black Bayou near Gilliam, LA	(d)	07347500	364	1942-59
	(s)		364	1959-69
Black Bayou near Oil City, LA	(s)	07347700	370	1945-59
Twelvemile Bayou near Dixie, LA	(d)	07348000	3,137	1942-95
Flat Lick Bayou near Leton, LA	(d)	07348800	66.9	1956-77
Bayou Dorcheat near Gilark, LA	(s)	07348960	1,031	1953-79
Flat River near Curtis, LA	(d)	07349374	--	1980-88
Bodcau Bayou near Sarepta, LA	(d)	07349500	546	1938-92
Cypress Bayou above Benton, LA	(d)	07349795	88.9	1974-86
Cypress Bayou near Benton, LA	(d)	07349800	133	1955-68
	(d)		133	1969-74
Red Chute Bayou above U.S. Highway 80, near Shreveport, LA	(s)	07349848	--	1949-50
Red Chute Bayou near Elm Grove, LA	(d)	07349890	1,004	1977-79
Loggy Bayou near Ninock, LA	(d)	07350000	2,628	1943-60
	(s)		2,628	1961-85
Loggy Bayou near East Point, LA	(s)	07350020	2,648	1955-64
	(d)		2,648	1980-85
Red River near Crichton, LA	(s)	07350100	--	1945-46
Red River at Coushatta, LA	(d)	07350500	63,362	1938-52
Boggy Bayou near Keithville, LA	(d)	07351000	79	1938-82
Bayou Pierre below Caspiana, LA	(d)	07351571	--	1979-82
Bayou Pierre near Grand Bayou, LA	(d)	07351600	661	1977-84
	(s)		661	1984-85
Bayou Na Bonchasse near Mansfield, LA	(d)	07351700	19.5	1957-68
West Branch Dolet Bayou at Rambin, LA	(d)	07351748	32.3	1979-86
Chemard Lake near Evelyn, LA	(s)	07351749	43.8	1977-79
Bayou Dupont near Marthaville, LA	(s)	07351800	--	1957-69
Bayou Dupont near Robeline, LA	(d)	07351900	35.1	1957-69
Black Lake Bayou near Castor, LA	(d)	07352500	423	1940-57
Grand Bayou near Coushatta, LA	(d)	*07352800	93.9	1956-77,
				1979-96
Saline Bayou near Clarence, LA	(d)	07353000	1,386	1949-73
	(s)		1,386	1974-82
Nantachie Creek near Aloha, LA	(s)	07353522	--	1942-46
Youngs Bayou at Natchitoches, LA	(d)	07353800	40.1	1957-64
Little Sandy Creek at Kisatchie, LA	(d)	07354000	21.4	1949-79
Kisatchie Bayou at Lotus, LA	(d)	07354100	140	1979-92
	(s)			1992-02

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
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
Larto Lake at Dam, near Acme, LA	(s)	07355650	291	1968-76
	(e)		291	1076-90
Ouachita River at Alabama Landing, near Haile, LA	(s)	07364103	1,107	1958-80
Chemin-a-haut Bayou near Beekman, LA	(d)	07364300	271	1955-79
Chemin-a-haut Bayou east of Beekman, LA	(s)	07364320	--	1968-79
Bayou Bartholomew near Beekman, LA	(d)	07364500	1,645	1928-31
	(d)		1,645	1938-59
	(s)		1,645	1959-80
Bayou De Loutre near Laran, LA	(d)	07364700	141	1955-77
Bayou D'Arbonne near Hico, LA	(d)	07364890	254	1980-87
Bayou D'Arbonne near Dubach, LA	(d)	07365000	355	1940-69
Middle Fork Bayou D'Arbonne near Bernice, LA	(d)	07365500	178	1940-57
	(d)		178	1967-70
Corney Bayou near Lillie, LA	(d)	07366000	462	1940-57
Bayou Desiard at Monroe, LA	(s)	07366500	--	1939-59
Cheniere Lake near Bawcomville, LA	(d)	07367500	147	1943-45
Ouachita River at Columbia, LA	(s)	07367640	15,700	1975-81
Boeuf River near Chickasaw, LA	(s)	07367704	787	1959-69
Big Colewa Bayou near Oak Grove, LA	(d)	07368500	42	1949-77
Big Colewa Bayou near Pioneer, LA	(e)	07368505	--	1954-77
Turkey Creek at State Highway 15, at Winnsboro, LA	(s)	**07369205	28.8	1975-80
Lake Providence north of Lake Providence, LA	(e)	07369370	18.7	1967-77
	(d)		18.7	1984-86
Brushy Bayou at Tallulah, LA	(e)	**07369455	--	1974-80
Lower Roundaway Bayou Tributary near Tallulah, LA	(e)	**07369457	--	1974-81
Panola Bayou at Tallulah, LA	(e)	**07369468	--	1977-82
Lake St. Joseph near Newellton, LA	(e)	07369647	23.2	1959-61
	(e)		23.2	1977-87
Lake Bruin at Lake Bruin State Park, near St. Joseph, LA	(e)	07369648	21.4	1959-64
	(e)		21.4	1977-87
Bayou Macon near Kilbourne, LA	(d)	07369700	504	1957-87
Bayou Macon near Delhi, LA	(d)	07370000	782	1935-92
Castor Creek near Grayson, LA	(d)	07370500	271	1940-70
Garrett Creek at Jonesboro, LA	(d)	07371000	2.14	1952-70
Dugdemonia River near Jonesboro, LA	(d)	*07371500	355	1938-57, 1977-96
Fouse Bayou at State Highway 155, near Danville, LA	(d)	07371540	1.5	1977-81
Dugdemonia River near Winnfield, LA	(d)	07372000	654	1939-77
	(s)		654	1977-81
Bayou Funny Louis near Trout, LA	(d)	07372500	92	1939-70
Hemphill Creek at Nebo, LA	(d)	*07373250	35.3	1978-96
Lake St. John near Waterproof, LA	(e)	07373278	14.81	1967-87
Lake Concordia near Ferriday, LA	(e)	07373280	8.91	1967-80
Lake Concordia at Ferriday, LA	(e)	073732805	8.91	1980-87
West Fork Thompson Creek near Wakefield, LA	(d)	07373500	35.3	1949-70
South Canal near Baker, LA	(d)	*07373965	--	1972-82
Monte Sano Bayou Tributary at Baton Rouge, LA	(s)	07373993	--	1985-86
Mississippi River at Baton Rouge, LA	(s)	07374000	1,125,810	1940-58
Mississippi River near New Orleans, LA	(s)	07374500	1,125,900	1934-58
Cow Bayou at American Bay near Pointe a la Hache	(s)	073745258	--	1997-1998 1999-2002
California Bay near Sunrise Point near Nairn, LA	(s)	07374529	--	1992-93
Canal W-14 at Roberts Road, at Slidell, LA	(s)	07374570	--	1985-88

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
Canal W-14 at Daney Street, at Slidell, LA	(s)	07374572	--	1985-87
Canal W-14 at Kingspoint Boulevard, at Slidell, LA	(s)	07374573	--	1985-87
Bayou Bonfouca at West Hall Road at Slidell	(s)	07374577	--	1985-1987 1998-2002
Tickfaw River at Liverpool, LA	(d)	*07375800	89.7	1956-68
	(d)		89.7	1979-81
Little Sandy Creek near Greenwell Springs, LA	(d)	07377240	28.2	1974-85
White Bayou East Diversion Channel near Baton Rouge, LA	(d)	**07377755	--	1972-84
White Bayou East Diversion Channel near Baker, LA	(d)	**07377842	--	1972-84
Beaver Bayou at Hooper Road, near Baton Rouge, LA	(s)	**07378083	--	1982-96
Amite River at 4-H Camp, near Denham Springs, LA	(s)	07378510	1,290	1945-77
Jones Creek at Monterrey Boulevard, at Baton Rouge, LA	(d)	07378597	--	1985-86
Bayou Braud near St. Gabriel, LA	(s)	07378740	--	1965-70
Elbow Bayou at Baton Rouge, LA	(s)	07378788	--	1980-83
Elbow Bayou Tributary at Baton Rouge, LA	(s)	07378790	--	1966-76
	(s)		--	1980-83
Elbow Bayou near Baton Rouge, LA	(s)	07378792	--	1980-83
Ward Creek at Government Street, at Baton Rouge, LA	(d)	**07379000	4.10	1954-67
Bayou Duplantier at City Park Lake, at Baton Rouge, LA	(d)	07379500	.81	1933-39
	(s)		.81	1940-41
Corporation Canal at Oklahoma Street, at Baton Rouge, LA	(e)	**07379502	.56	1970-80
Corporation Canal at Campus Drive, at Baton Rouge, LA	(e)	07379507	1.64	1970-85
Ward Creek at Siegen Lane, near Baton Rouge, LA	(d)	**07380000	40.0	1946-54
Bayou Manchac At Hope Villa, LA	(s)	07380100	138	1945-58
Amite River at Port Vincent, LA	(s)	07380120	1,596	1945-84
Black Bayou near Duplessis, LA	(d)	07380224	3.66	1964-70
Black Bayou near Gonzales, LA	(s)	07380225	8.93	1964-70
New River at Acy, LA	(s)	07380228	--	1976-86
Bayou Labranch at Fall Canal near Kenner, LA	(s)	073802311	--	1992-93
Pipeline Canal at Labanch Wetland near Kenner, LA	(s)	073802312	--	1992-93
BS4-1 Whites Ditch near Naomi, LA	(s)	073802357	--	1992-93
Paillet Canal at Barataria, LA	(s)	073802364	--	1985-88
Lareussite Canal near Naomi, LA	(s)	073802376	--	1992-93
Bayou Grand (BA4-1) near West Pointe-a-la-Hache, LA	(s)	07380252	--	1992-93
Bayou Lafourche at Donaldsonville, LA	(d)	07380400	--	1957-85
Bayou Lafourche at Napoleonville, LA	(s)	07380500	--	1954-57
Bayou Lafourche at Valentine, LA	(e)	07381200	--	1966-86
Bayou Lafourche at Golden Meadow, LA	(s)	07381300	--	1959-79
Bayou Jean LaCroix at Montegut, LA	(s)	07381316	--	1994-97
Bayou DuLarge near Theriot, LA	(s)	07381323	--	1994-97
Houma Navigation Canal at Houma, LA	(s)	07381325	--	1962-67
Mill Creek near Dulac (Inside), LA	(s)	07381329	--	1993-97
Mill Creek near Dulac (Outside), LA	(s)		--	1993-97
Atchafalaya River at Krotz Springs, LA	(d)	07381500	--	1934-63
	(s)		--	1964-68
Pipeline Canal 13.7 miles northeast of Loreauville, LA	(s)	0738153842	--	1993-97
Si-Bon Canal 9.3 miles northeast of Loreauville, LA	(s)	0738153843	--	1993-95
Milepoint Bayou 8.0 miles north of Loreauville, LA	(s)	073815668	--	1993-95
Bayou Raccourci near Theriot	(d)	0738165067	--	1999-2000
	(s)		--	2000-2002
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

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

	Type of data	Station number	Drainage area (mi ²)	Period of record
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 near Indian Bayou	(d)	08012285	--	1991-95
Bayou Queue de Tortue Southwest of Lyons Point, LA	(s)	08012295	158	1976-79
Bayou Queue de Tortue at Riceville, LA	(s)	08012300	--	1942-51
	(d)		--	1985-99
Mermentau River at Lake Arthur, LA	(s)	08012400	--	1984-94
Bayou Lacassine at Intercoastal Waterway, LA	(s)	08012500	--	1954-58
Sixmile Creek near Sugartown, LA	(d)	08014000	171	1956-65
Tenmile Creek near Elizabeth, LA	(d)	08014200	94.2	1949-65
Bundick Creek near De Ridder, LA	(d)	08014800	120	1956-79
Bundick Creek near Dry Creek, LA	(d)	08015000	238	1939-70
English Bayou near Lake Charles, LA	(s)	08016000	--	1954-69
Beckwith Creek near Dequincy, LA	(d)	08016400	148	1945-84
Hickory Branch at Kernan, LA	(d)	08016600	82.2	1945-57
Bayou Choupique near Sulphur, LA	(s)	08017007	--	1984-85
Bayou Castor near Funston, LA	(d)	08022765	91.5	1971-87
Bayou Castor near Logansport, LA	(d)	08023000	96.5	1955-71
	(s)		96.5	1971-85
Bayou San Patricio near Noble, LA	(d)	08023500	154	1951-67
Bayou San Miguel near Zwolle, LA	(d)	08024000	111	1948-67
Blackwell Creek at Many, LA	(d)	08024060	3.16	1959-68
Bayou La Nana near Zwolle, LA	(d)	08024200	130	1955-67
Bayou Anacoco near Leesville, LA	(d)	08027500	115	1948-64
Anacoco Lake near Leesville, LA	(s)	08027700	207	1958-68
Bayou Anacoco near Knight, LA	(d)	08028200	425	1969-73
Hoosier Creek near Merryville, LA	(d)	08028700	13.1	1955-81
Pipeline Canal 7.8 mi north of Charenton, LA		091294300	--	1996-97
Pipeline Canal near Crossing Cove 11.4 miles west of Pigeon, LA	(s)	091300000	--	1993-95
Grand Lake 4.0 miles north northeast of Charenton, LA	(s)	091303000	--	1993-97
Grand Lake 4.1 miles north of Charenton, LA	(s)	091303000	--	1994-97
Atchafalaya River Main Channel 11.3 miles east of Catahoula, LA	(s)	091312700	--	1994-97
Pipeline Canal near Bayou Crook Chene 13.0 miles northeast of Loreauville, LA	(s)	091324000	--	1993-97
Bayou Eugene Overbank area 14.6 miles north northwest of Charenton, LA	(s)	091325300	--	1994-97
Florida Gas Pipeline 10.3 miles northeast of Loreauville, LA	(s)	091343800	--	1993-97
Lower Bayou Grand Caillou south of Dulac, LA	(s)	291519090472700	--	2001-02

DISCONTINUED SURFACE-QUALITY-WATER STATIONS

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

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
Chandeleur Sound at Door Point	3003010890628	--	S.C., Temp.	1999-2002
Bogue Chitto near Bush, LA	02492000	1,213	S.C., Temp.	1975-81
Pearl River at Pearl River, LA	02492600	B8,590	Temp.	1964
Mississippi River at Tarbert Landing, MS	07295100	C1,124,900	Sed.	1981
Red River near Hosston, LA	07344400	D57,041	Temp.	1957-73, 1976-86
		D57,041	S.C.	1965-86
Red River above Shreveport, LA	07344410	D57,100	S.C., Temp.	1975, 1977
Twelvemile Bayou near Dixie, LA	07348000	3,137	S.C., Temp.	1978-81
Red River at Shreveport, LA	07348500	D60,613	Temp.	1956-58
Bayou Dorcheat near Springhill, LA	07348700	605	S.C.	1968, 1970-72, 1985-86
		605	Temp.	1968, 1985-86
Bayou Pierre near Lake End, LA	07351750	860	Sed.	1983-85, 1987
Grand Bayou near Coushatta, LA	07352800	93.9	Sed.	1981-82
Saline Bayou near Clarence, LA	07353000	1,386	S.C.	1969-70
Bayou De Loutre near Laran, LA	07354700	141	S.C., Temp.	1968-72, 1985-86
Red River at Colfax, LA	07354950	D66,860	Cl	1975-84
		D66,860	Temp.	1976-84
		D66,860	Sed.	1981-84
Red River at Alexandria, LA	07355500	D67,500	Temp.	1953-63, 1973-84
		D67,500	S.C.	1973-81
		D67,500	Cl	1975-84
		D67,500	Sed.	1981
Red River near Simmesport, LA	07355601	93,163	S.C.	1978-81
		93,163	Temp.	1978-79, 1981
Bayou Bartholomew near Jones, LA	07364200	B1,187	S.C.	1968-69
		B1,187	Temp.	1968
Bayou D'Arbonne near Dubach, LA	07365000	355	S.C., Temp.	1968
Corney Bayou near Lillie, LA	07366000	462	S.C., Temp.	1968-72
Little Corney Bayou near Lillie, LA	07366200	208	S.C., Temp.	1968-69
Ouachita River at Monroe, LA	07367000	15,298	Temp.	1955-58, 1969-74
		15,298	S.C.	1966-67, 1969-74
		15,298	D.O.	1969-74
Ouachita River at Columbia, LA	07367640	B15,700	S.C.	1975-81
		B15,700	Temp.	1976-81

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Boeuf River near Arkansas-Louisiana State Line	07367700	E785	S.C., Temp.	1968-69
Boeuf River near Girard, LA	07368000	E1,226	S.C., Temp.	1968-69
Bayou Lafourche near Crew Lake, LA	07369000	E361	S.C.	1968-72
		E361	Temp.	1968-71
Boeuf River near Fort Necessity, LA	07369150	E2,542	S.C., Temp.	1978-81
Tensas River at Tendal, LA	07369500	E309	S.C.	1968, 1971-72, 1975-82
		E309	Temp.	1968, 1975-82 Bayou Macon
near Kilbourne, LA	07369700	E504	S.C.	1968-69
		E504	Temp.	1968
Dugdemonia River near Winnfield, LA	07372000	654	D.O.	1969-70
Little River near Rochelle, LA	07372200	1,899	S.C.	1966-85
		1,899	Temp.	1980-85
Big Creek at Pollock, LA	07373000	B51	Temp.	1965-72, 1974-77
Black River at Jonesville, LA	07373267	(F)	Temp.	1959-67
		(F)	S.C.	1965-67
Mississippi River near St. Francisville, LA	07373420	1,125,300	Temp.	1955-72, 1975-86, 1988
		1,125,300	S.C.	1965-70, 1972, 1975-88
		1,125,300	Cl	1970, 1975-88
		1,125,300	Sulfate	1970, 1975-88
Mississippi River below St. Francisville, LA	07373423	E1,243,000	pH	1970-71
		E1,243,000	Temp., D.O.	1970-74
		E1,243,000	S.C.	1971-74
Mississippi River at Luling, LA	07374400	E1,125,800	Temp.	1958-72, 1978-88
		E1,125,800	S.C.	1965-72, 1975, 1977-88
		E1,125,800	Cl	1975, 1977-88
		E1,125,800	Sulfate	1975, 1977-88
Mississippi River at New Orleans, LA	07374508	E1,125,900	S.C., D.O.	1969-88
		E1,125,900	Temp.	1971-88
		E1,125,900	pH	1977-88
Mississippi River at Belle Chasse, LA	07374525	E1,125,930	S.C.	1975-88
		E1,125,930	Temp.	1976-88
		E1,125,930	Cl	1975-84, 1986-88
		E1,125,930	Sulfate	1976-78
California Bay near Sunrise Point near Nairn, LA	07374529	(F)	S.C., Temp.	1992-93
Mississippi River at Venice, LA	07374550	(A)	Cl	1975
Tchefuncta River near Covington, LA	07375050	145	S.C., Temp.	1978-82, 2000-01
Tangipahoa River at Robert, LA	07375500	646	S.C., Temp.	1980-82
Tangipahoa River at Lee Landing, LA	07375660	(A)	Temp.	1964
Comite River near Comite, LA	07378000	284	Temp.	1945
Amite River near Denham Springs, LA	07378500	1,280	S.C., Temp.	1968
Amite River, at 4H Camp, near Denham Springs, LA	07378510	1,290	S.C., Temp.	1973-81
Pass Manchac at Manchac, LA	07380230	3,204	Cl	1975-84
		3,204	Temp.	1977-84
Bayou Labranch at Fall Canal near Kenner, LA	073802311	(F)	S.C., Temp.	1992-93
Pipeline Canal at Labranch Wetland near Kenner, LA	073802312	(F)	S.C., Temp.	1992-93
Lake Ponchatrain at Lincoln Beach near Little Woods, La	0738023325	(F)	S.C., Temp.	1999-2000
			pH	
BS4-1 Whites Ditch near Naomi, LA	073802357	(F)	S.C., Temp.	1992-93
Lareussite Canal near Naomi, LA	073802376	(F)	S.C., Temp.	1992-93

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (wateryears)
Bayou Grand (BA4-1) near West Pointe-a-la-Hache, LA	07380252	(F)	S.C., Temp.	1992-93
Bayou Lafourche at Valentine, LA	07381200	(F)	S.C.	1971-74
Bayou Lafourche, above Intracoastal Waterway, near Larose, LA	07381225	(A)	S.C.	1976-78
Bayou Lafourche at Golden Meadow, LA	07381300	(F)	Cl	1975-84
Bayou Lafourche at Leeville, LA	07381310	(F)	Temp.	1977-78, 1981-84
		(F)	Cl	1975-77
		(F)	Temp.	1977
Bayou Jean Lacroix at Montegut, LA	07381316	(F)	S.C., Temp.	1994-97
Bayou Terrebonne at Houma, LA	07381320	(F)	Cl	1975-80
Bayou DuLarge at Theriot, LA	07381323	(F)	S.C., Temp.	1995-97
Houma Navigation Canal at Houma, LA	07381325	(F)	S.C.	1978-81
		(F)	Temp.	1978, 1981
		(F)	S.C., Temp.	1994-2000
Bayou LaCarpe near Crozier, LA	07381326	(F)	S.C., Temp.	1994-2000
Houma Navigation Canal at Dulac, LA	07381328	(A)	S.C., Temp.	1974-75
			D.O.	
		(F)	S.C., Temp.	1993-97
Mill Creek near Dulac, LA	07381329	(F)	S.C.	1979-85
Company Canal at Lockport, LA	07381350	(F)	Temp.	1981-85
		(F)	S.C., Temp.	2000-01
		(F)	S.C., Temp.	1980-82
Bayou Grosse Tete at Rosedale, LA	07381440	(F)	S.C., Temp.	2000-01
Lower Grand River at Bayou Sorrel, LA	07381450	(F)	S.C., Temp.	1980-82
Bayou Bouef at Railroad Bridge at Amelia, LA	073814675	(F)	S.C., Temp.	2000-01
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
		(A)	S.C., Temp.,	1993-95
Si-Bon Canal 9.3 miles northeast of	0738153843	(F)	S.C., Temp.	2000-01
Bayou DeCade at Lake DeCade near Theriot, LA	073816506	(F)	Temp.	1953-54
Bayou Cocodrie near Clearwater, LA	07382000	240	S.C., Temp.	1975-81
Bayou Teche at Keystone Lock, near St. Martinville, LA	07385700	(F)	Temp., D.O.	1974-80
Bayou Teche near Olivier, LA	07385750	(F)	S.C.	1976-80
		(F)	pH	1977-80
		(A)	Cl, Temp.,	1968
Bayou Bourbeau at Shuteston, LA	07386500		S.C.	
		(F)	S.C., Temp.,	1971-81
		(F)	D.O.	
Vermilion River, at State Highway 3073, near Lafayette, LA	07386935	(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
		(F)	S.C., Temp.	2001
Bayou des Cannes near Eunice, LA	08010000	131	Sed.	
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
Calcasieu River near Kinder, LA	08015500	753	pH, D.O.	1976-77
		1,700	S.C., Temp.	1979-82

DISCONTINUED SURFACE-QUALITY-WATER STATIONS--Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
Calcasieu River near Lake Charles, LA	08015900	2,310	S.C., Temp.	1975-78
Bayou Castor near Logansport, LA	08023000	96.5	Sed.	1983-84
Bayou San Patricio near Benson, LA	08023400	80.2	Sed.	1981-85
Bayou Anacoco near Rosepine, LA	*08028000	365	S.C., CO	1971-72
Bayou Anacoco near Knight, LA	08028200	425	S.C., Temp., CO	1970-71
Pipeline Canal near Crossing Cove 11.4 miles west of Pigeon, LA	091300000	(A)	S.C., Temp., D.O., pH	1993-95
Red Eye Swamp 11.0 miles northeast of Loreauville, LA	091323200	(F)	S.C., Temp., pH, DO	1996-99
Overbank Area 14.6 miles north northwest of Charenton Lake, LA	091325300	(F)	S.C., Temp., D.O., pH	1994-97
Bayou Crook Chene above Bayou Eugene near Loreauville, LA	091344700	--	S.C., Temp., D.O., pH	1994-97
Lower Bayou Grand Caillou south of Dulac	291519090472700	(F)	S.C., Temp.	2001-02
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 Louisiana, LA	294110091533000	(F)	Cl	1975-76, 1978-79, 1981-82
		(F)	Temp.	1978-79, 1981-82
Schooner Bayou near Forked Island, West	294528092154800	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Schooner Bayou near Forked Island, East	294528092154801	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock East, near Intracoastal City, LA	294700092114000	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway, at Vermilion Lock West, near Intracoastal City, LA	294705092115300	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Mermentau River, south of Control Structure, near Grand Chenier, LA	295146092510100	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Mermentau River, north of Control Structure, near Grand Chenier, LA	295148092510100	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Intracoastal Waterway at Gibbstown, LA	295600093053000	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Chef Menteur Pass at Chef Menteur, LA	300404089482500	(F)	Cl	1975-81
		(F)	Temp.	1977-81
Lake Pontchartrain, at New Orleans, LA, at Little Woods, LA	300434089564000	(F)	Cl	1975-78
		(F)	Temp.	1977-78
Intracoastal Waterway at Calcasieu Lock	300514093172800	(F)	Cl	1975-82
		(F)	Temp.	1977-82
Rigolets near Lake Pontchartrain, near Slidell, LA	301002089441300	(F)	Cl	1975-84
		(F)	Temp.	1977-84
Lake Pontchartrain, near North Shore, near Slidell, LA	301108089503600	(F)	Cl	1975-84
		(F)	Temp.	1977-84
Calcasieu River and Pass near Lake Charles, LA	301305093151200	(F)	Cl	1975-81
		(F)	Temp.	1977-81
Calcasieu River, at mile 36.0, at Lake Charles, LA	301425093145000	(F)	Temp., Cl	1982
Calcasieu River, east of barrier, at Lake Charles, LA	301513093130500	(F)	Cl	1975, 1977-82
		(F)	Temp.	1977-82
Calcasieu River, west of barrier, at Lake Charles, LA	301513093130600	(F)	Cl	1975, 1977-82
		(F)	Temp.	1977-82

WATER RESOURCES DATA - LOUISIANA, 2003

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 76 streamflow-gaging stations, stage only for 86 gaging stations, for 1126 partial-record or miscellaneous streamflow stations, and for 38 crest-stage, partial-record streamflow stations; (2) stage records for 7 lakes; (3) water-quality records for 44 streamflow-gaging stations, for 10 ungaged stream sites, and for 142 wells; and (4) water-level records for 313 observation wells. Quality assurance data in the form of blanks, replicate samples, and percent recovery of organics data have been collected and are available upon request.

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

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Louisiana were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Parts 2, 7, and 8." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperatures, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from U. S. Geological Survey, Books and Open-File Reports Section, Federal Center, Building 810, Box 25425, Denver, CO 80225.

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-02-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (225) 298-5481.

WATER RESOURCES DATA - LOUISIANA, 2003

COOPERATION

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

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

Louisiana Department of Wildlife and Fisheries, Dwight Landreneau, Jr, Secretary.

Louisiana Department of Environmental Quality, Hall Bahlinger, Secretary.

Louisiana Department of Natural Resources, Scott Angelle, Secretary.

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

Parish of Ascension, Ronnie Hughes, Parish President; Department of Public Works,
C. J. Gaudin, Director.

Caddo-Bossier Office of Emergency Preparedness, Chuck Mazzoiti, Director

City of Baton Rouge and Parish of East Baton Rouge, Bobby Simpson, Mayor-President;
Department of Public Works, Fred Raiford, Director.

City of Shreveport, Keith Hightower, Mayor; Department of Operational Services,
Mike Strong, Director.

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

Capital Area Ground Water Conservation Commission, Joey Hebert, Chairman;
Don Dial, Director.

Sabine River Compact Administration, composed of Dr. Doug Brandon, Acting Chairman, and William B. Lewis for
Louisiana; Danny Choate and Frank Parker for Texas.

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

Lafayette Parish Bayou Vermilion District, Wayne LeJeune, President; Kerry Collins, Acting Executive Director.

Bayou D'Arbonne Lake Watershed District, Trout Hunt, President.

Parish of St. Tammany, Kevin Davis, Parish President; Department of Public Works, David deGeneres, Director.

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

Terrebonne Levee & Conservation District, Jerome P. Zeringue, Executive Director.

Bayou Lafourche Fresh Water District, Archie P. Chaisson, Jr., Director.

Concordia Parish Police Jury, Charlie Blaney, President.

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

Organizations that supplied data are acknowledged in the station descriptions.

WATER RESOURCES DATA - LOUISIANA, 2003

SUMMARY OF HYDROLOGIC CONDITIONS

Surface-Water Conditions

During the 2003 water year, October 1, 2002, through September 30, 2003, Louisiana recorded above normal annual rainfall totals for all nine rainfall regions, primarily due to Hurricane Lili. The statewide annual average rainfall was 65.53 in., which was 5.91 in. above the statewide 30-year average. Average monthly rainfall was above normal in October, November, December, February, June, July, and September; furthermore, average monthly rainfall was above normal for all regions in the State during October and December. In January, March, April, May, and August, average monthly rainfall was below normal, and in both January and March average monthly rainfall was below normal for all rainfall regions in the State. One index discharge station, Saline Bayou near Lucky, had an annual mean discharge that was lower than the expected annual mean discharge; the remaining three index stations, Amite River near Denham Springs, Pearl River near Bogalusa, and Calcasieu River near Oberlin, had annual mean discharges that were greater than the expected annual mean discharge for each station (fig.1).

Hurricane Lili struck the coast of Louisiana in the month of October, resulting in a statewide average rainfall of 11.02 in., 7.10 in. above the 30-year average. This higher than average rainfall was present throughout all rainfall regions in the State, and all index discharge stations except Saline Bayou near Lucky had monthly mean discharges that were higher than the expected monthly mean discharges. Pearl River near Bogalusa exceeded the 1976 record high monthly mean discharge of 10,390 ft³/s by 5,410 ft³/s. Although five of nine rainfall regions in the State had below monthly average rainfall in November, the statewide monthly mean rainfall was 0.49 in. higher than the normal monthly mean rainfall. Pearl River near Bogalusa, still showing the effects of Hurricane Lili, again reported record high monthly mean discharge, exceeding the previous record high monthly mean discharge of 16,150 ft³/s by 4,590 ft³/s.

In December, all nine rainfall regions had above average monthly mean rainfall, and all four index discharge stations had higher than normal monthly mean discharge. In January, all nine rainfall regions had lower than average monthly mean rainfall, and each of the four index stations had lower than average monthly mean discharge. In February, the southeast rainfall region reported 0.68 in. less than normal monthly mean rainfall, but the remaining eight rainfall regions had higher than normal monthly mean rainfall. The eight rainfall regions having higher than average rainfall resulted in the statewide monthly mean rainfall being 2.34 in. higher than the 30-year average. All four of the index discharge stations reflected this higher than average rainfall with greater than normal monthly mean discharge.

Monthly mean rainfalls were lower than normal in March, April, and May, with March having lower than normal monthly mean rainfall in all nine rainfall regions. Effects of the heavy rains of February continued into March and April, with only Amite River near Denham Springs and Saline Bayou near Lucky having lower than normal monthly mean discharge in March and Pearl River near Bogalusa still having higher than normal monthly mean discharge through April. All four index discharge stations had lower than normal monthly mean discharge in May.

Heavy rains returned in June with statewide monthly mean rainfall exceeding normal by 3.44 in. The rain was concentrated mainly in the south and east, and only Pearl River near Bogalusa in this area returned to above normal monthly mean flow conditions. In July, August, and September, monthly mean rainfalls were near normal conditions with the highest difference of 0.72 in. occurring in July. Pearl River near Bogalusa had above normal monthly mean discharge for the remainder of the water year. Although Amite River near Denham Springs had above normal monthly mean discharge for July, the index station had lower than normal monthly mean flow conditions in August and September. Both Calcasieu River near Oberlin and Saline Bayou near Lucky remained at below normal monthly mean discharge in July, August, and September.

(Monthly rainfall totals are provided by the Louisiana Office of State Climatology.)

WATER RESOURCES DATA - LOUISIANA, 2003

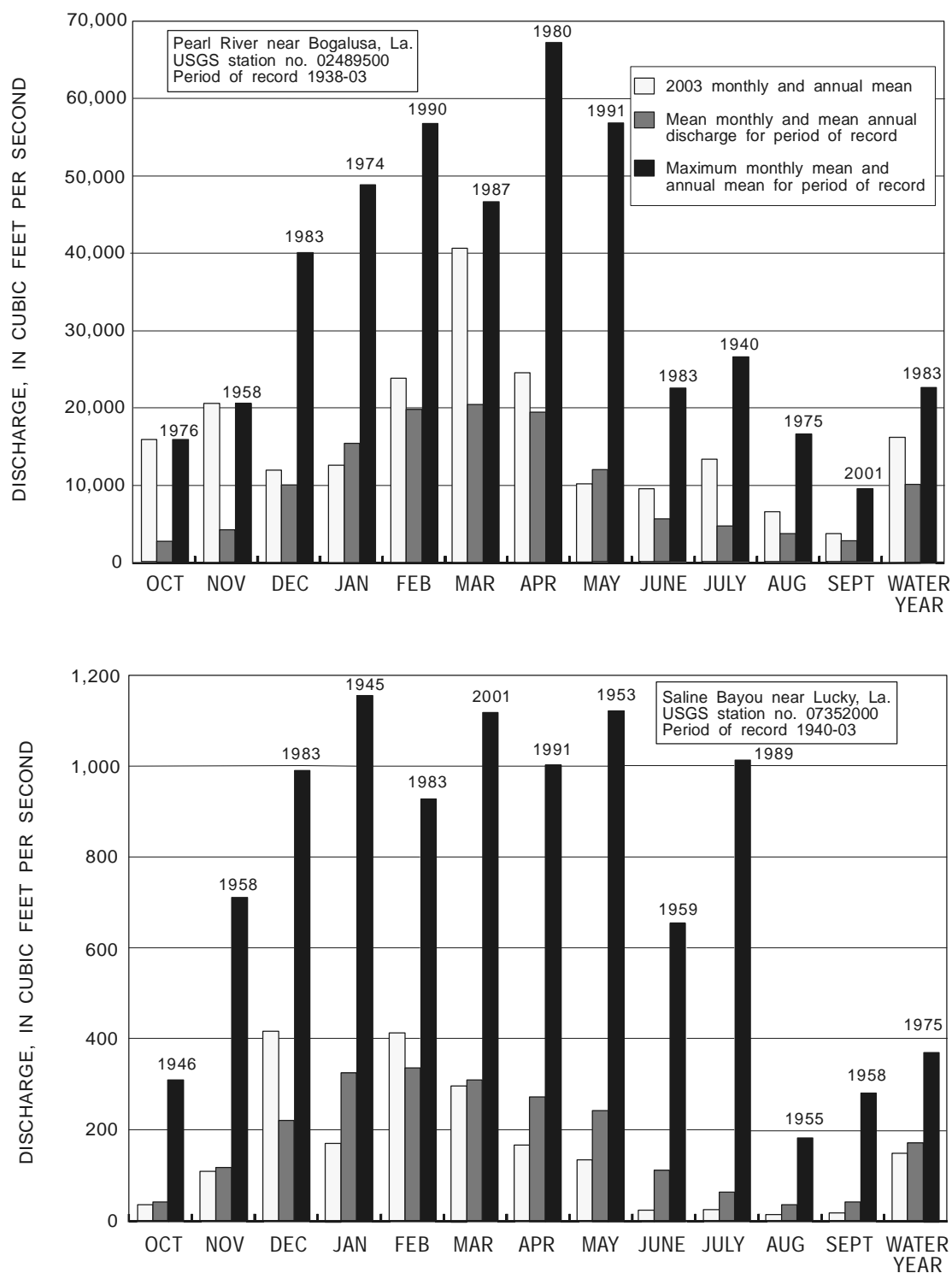


Figure 1. Comparison of discharge during the 2003 water year with mean and maximum discharge for the period of record at four representative gaging stations.

WATER RESOURCES DATA - LOUISIANA, 2003

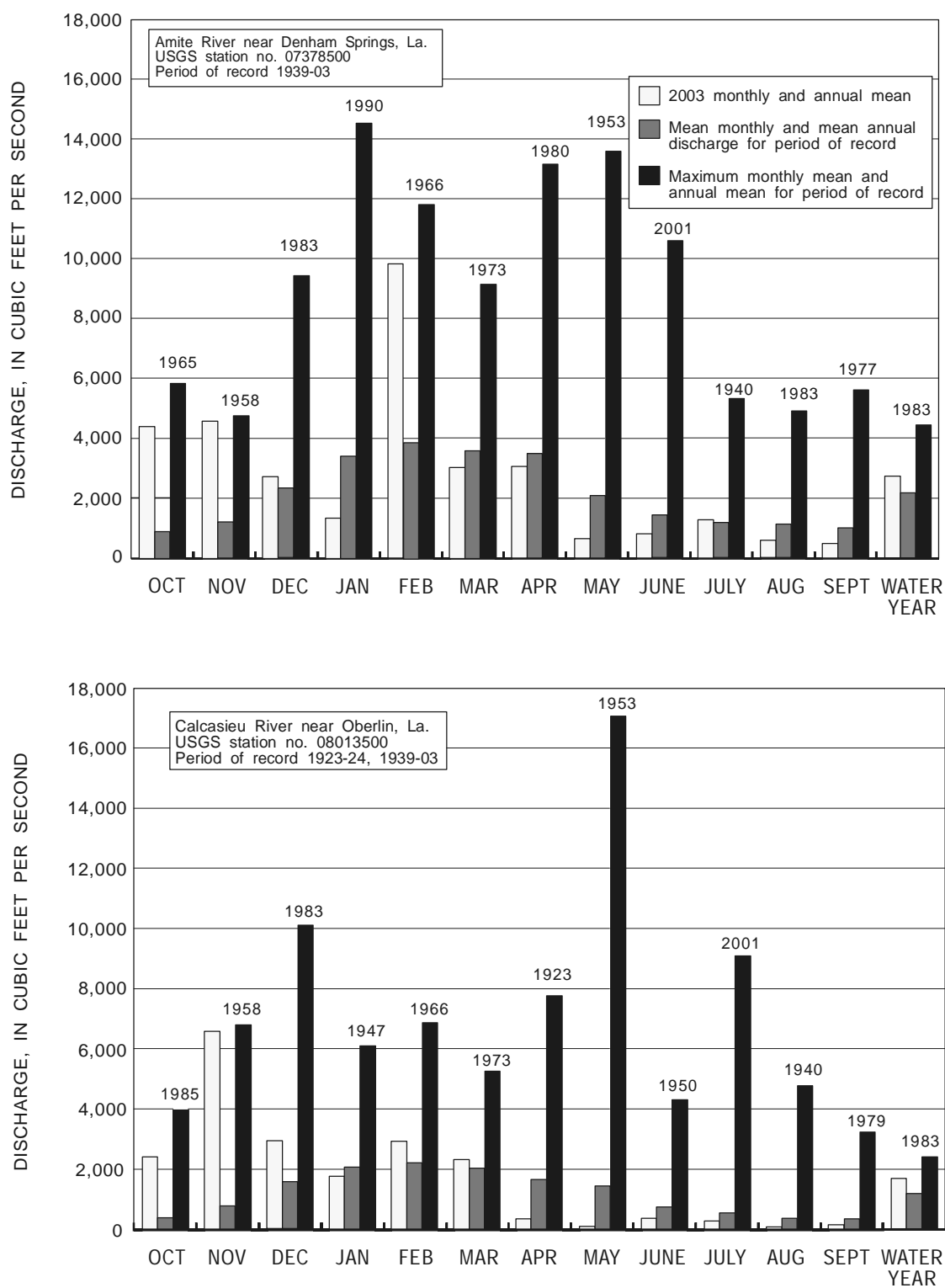


Figure 1. Comparison of discharge during the 2003 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

WATER RESOURCES DATA - LOUISIANA, 2003

Surface-Water Quality

During the 2003 water year, samples generally were collected bimonthly or monthly at 17 sites along 11 streams and rivers throughout the State (fig. 12). Continuous records of temperature and specific conductance were collected at 44 sites. Suspended-sediment samples also were collected on a bimonthly or monthly basis from the Mississippi and Atchafalaya Rivers.

Measured water temperatures ranged from 5.5 to 32.8 degrees Celsius, and dissolved-oxygen concentrations ranged from 0.6 to 15.8 mg/L (milligrams per liter). Dissolved-oxygen concentrations less than 1.0 mg/L were measured at Bayou Lacassine infrequently during the spring or summer months. Dissolved-solids concentrations in water samples ranged from 40 to 629 mg/L, and specific conductance values ranged from 30 to 1,060 microsiemens per centimeter at 25 degrees Celsius. The pH of water-quality samples ranged from 5.9 to 8.4.

Suspended-sediment samples were collected at several sites along the Atchafalaya and Mississippi Rivers (fig. 12) by the U.S. Army Corps of Engineers and analyzed by the USGS sediment laboratory in Baton Rouge. Suspended-sediment loads were calculated based on the sample concentrations and discharge data. The minimum sediment load was 6,760 tons/d at the Red River above Old River Outflow Channel above Simmesport, and the maximum sediment load was 1,130,000 tons/d at the Mississippi River at Tarbert Landing, Mississippi.

Ground-Water Levels

During the 2003 water year, water levels were monitored in approximately 300 network wells throughout the State. The Sparta aquifer in northern Louisiana, the Chicot aquifer system in southwestern Louisiana, the Mississippi River alluvial aquifer, and aquifers in southeastern Louisiana were the most heavily pumped aquifers in the State. Water-level declines continued in some wells screened in the Sparta aquifer, the Chicot aquifer system, and aquifers in southeastern Louisiana. In Louisiana, water levels in wells in many aquifers rise and fall during the year in response to seasonal climate patterns and in response to seasonal withdrawals such as for irrigation. Continuous long-term water-level declines (declines over several years) occur in aquifers with large sustained withdrawals. Water-level data from some wells may show seasonal declines, long-term declines, or a combination of both.

Water levels in many wells completed in the Sparta aquifer declined 1 ft/yr (foot per year) or more during the 2003 water year. Water levels, as shown in hydrographs for wells Bi-144, Bienville Parish, Ja-147, Jackson Parish, and Ou-444, Ouachita Parish, are generally representative of long-term declines due to large water withdrawals from the Sparta aquifer. Water levels in the Sparta aquifer can fluctuate seasonally as shown in the hydrograph of well Wb-399, Webster Parish. During the 2003 water year, water levels in some wells screened in the Sparta aquifer slightly recovered as shown in hydrographs for wells, Bi-166, Bienville Parish, Ou-80, Ouachita Parish, and Cl-149, Claiborne Parish.

Water levels in some wells completed in the Chicot aquifer system continued long-term declines of about 2 ft/yr or less due to withdrawals for irrigation. Water-level fluctuations of 10 ft (feet) or more in the Chicot aquifer system were due mostly to seasonal pumpage for irrigation. In the Lake Charles area water levels continued to recover in wells Cu-851, Cu-848, and Cu-959. Water levels in wells Ev-229, Evangeline Parish, and JD-485A, Jefferson Davis Parish, reflect seasonal fluctuations and long-term recovery.

In East and West Baton Rouge, East and West Feliciana, and Pointe Coupee Parishes, water levels were monitored in 68 wells screened in locally named aquifers. Water levels declined 1 ft/yr or more in some of the wells monitored, including wells screened in the "1,000-foot," "1,200-foot," and "1,500-foot" sands of the Baton Rouge area (see hydrographs for wells EB-146, EB-327, EB-392, and EB-917, East Baton Rouge Parish). However, water levels may be recovering in other wells, including those screened in the "2,000-foot" sand of the Baton Rouge area. Hydrographs for wells, EB-297, EB-367, EB-685, and EB-805, East Baton Rouge Parish; EF-223, East Feliciana Parish; and WF-274, West Feliciana Parish, indicate little if any water-level change during the 2003 water year.

In the parishes south of Baton Rouge, water levels in monitor wells fluctuated seasonally with little long-term change. Seasonal fluctuations in water levels, due to pumpage and the stage of the Mississippi River, generally were less than 30 ft.

WATER RESOURCES DATA - LOUISIANA, 2003

Ground-Water Quality

During the 2003 water year, chloride concentrations in water from most monitor wells completed in the Mississippi River alluvial aquifer in northern Louisiana remained unchanged or decreased slightly. However, chloride concentrations continued to increase in wells Co-205, Concordia Parish (fig. 2a), and Ri-124, Richland Parish (fig. 2a). At monitor wells completed in the Sparta aquifer, chloride concentration increased in well W-144B, Winn Parish (fig. 2a), but remained unchanged in most other wells (see fig. 2b, graph for well W-179, Winn Parish).

Chloride concentrations in water from wells completed in the upper sand of the Chicot aquifer system along the freshwater-saltwater interface in southwestern Louisiana changed little during the water year. A long-term increase in chloride concentrations in the "200-foot" sand (Chicot aquifer) of the Lake Charles area continued, as shown in the graph for well Cn-92, Cameron Parish (fig. 2b).

In the Baton Rouge area, chloride concentrations in water from most monitor wells remained constant or continued previous increasing trends. Chloride concentrations in water from wells EB-621, East Baton Rouge Parish (fig. 2b), EB-804B (fig. 2c), and EB-918 (fig. 2c), continued the long-term pattern of increase. These wells are screened in some of the most heavily pumped aquifers in the Baton Rouge area.

WATER RESOURCES DATA - LOUISIANA, 2003

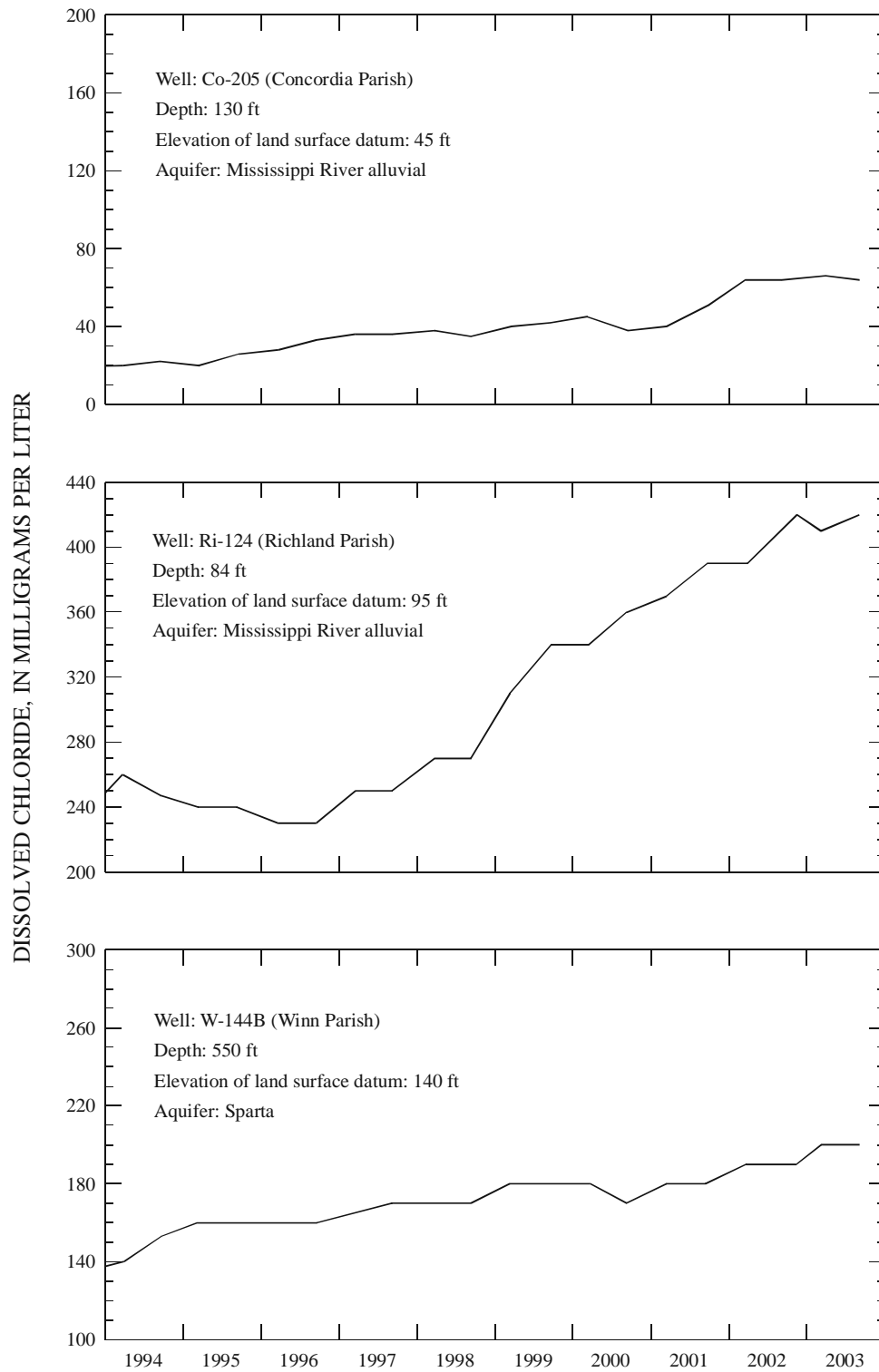


Figure 2a. Chloride concentrations for wells Co-205, Ri-124, and W-144B.

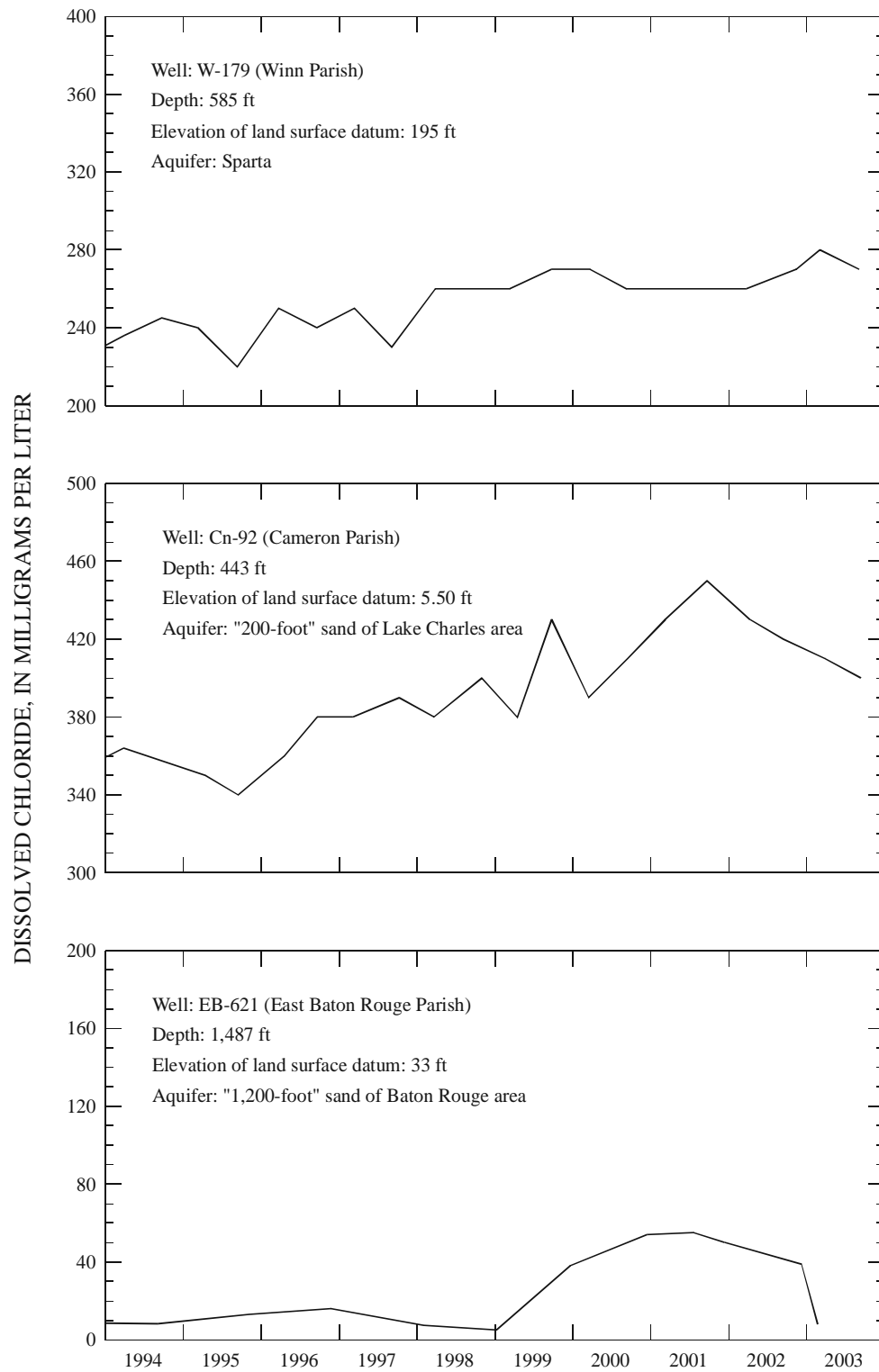


Figure 2b. Chloride concentrations for wells W-179, Cn-92, and EB-621

WATER RESOURCES DATA - LOUISIANA, 2003

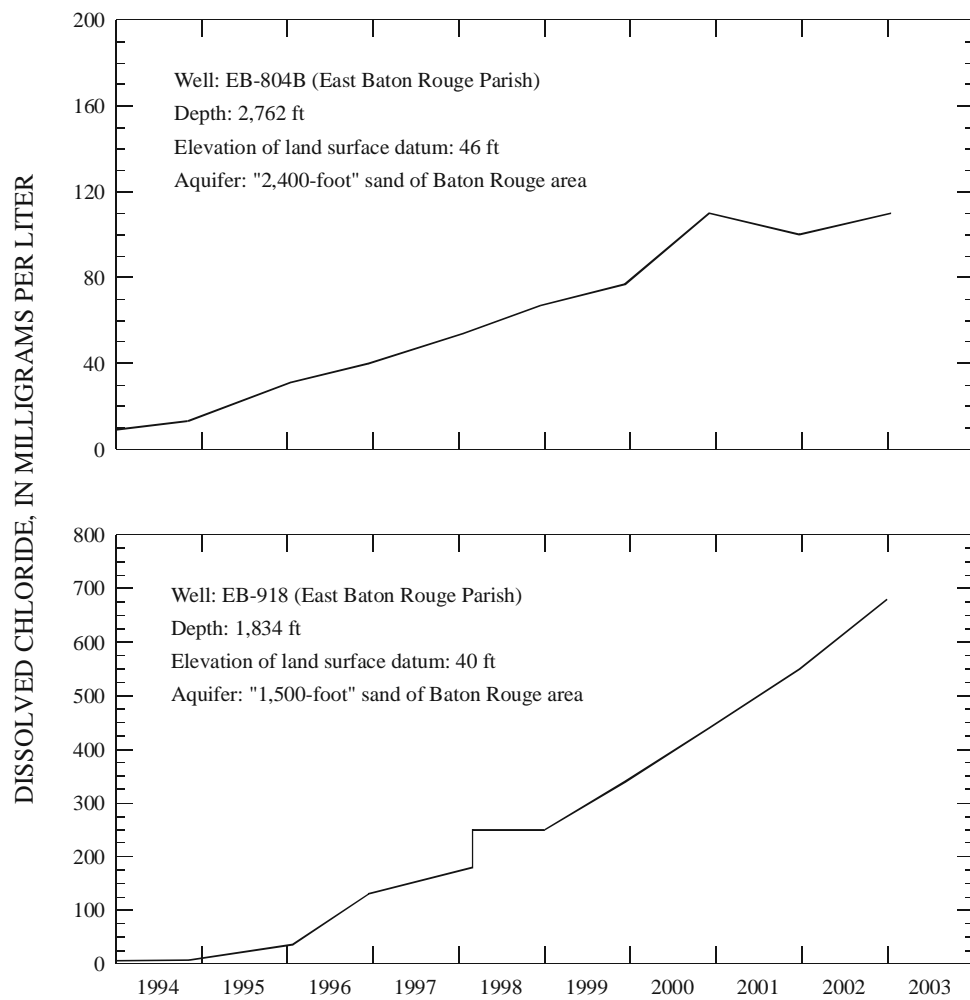


Figure 2c. Chloride concentrations for wells EB-804B and EB-918.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is immediately tributary is indicated by an indention in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, 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 composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit (or 8-digit) downstream order number "004100." In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number. The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers. The 8-digit, downstream order station numbers are not assigned to miscellaneous sites where only random water-quality samples or discharge measurements are taken.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells (see fig. 3). 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. 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. The 8-digit, downstream order station numbers are not assigned to miscellaneous sites where only random water-quality samples or discharge measurements are taken

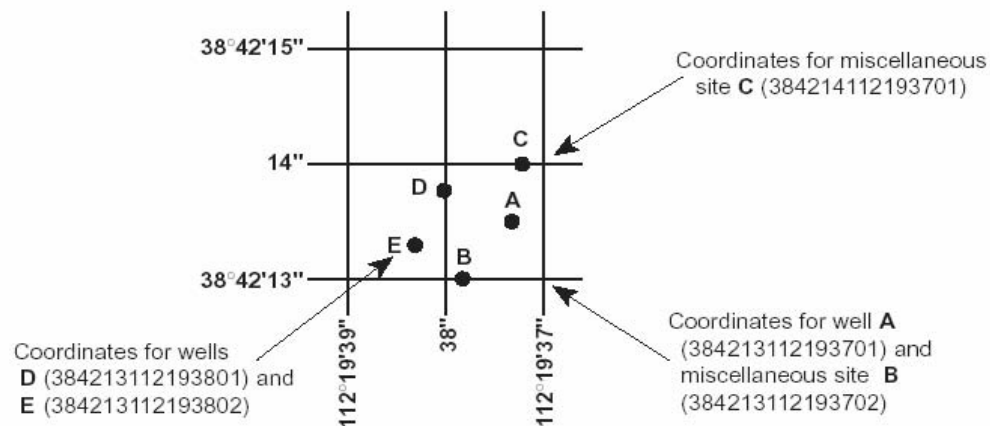


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude).

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SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from <http://water.usgs.gov/hbn/>.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande River basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment (NAWQA) Program; (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program may be accessed from <http://water.usgs.gov/nasqan/>.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provide continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as data from the individual sites, may be accessed from <http://bqs.usgs.gov/acidrain/>.

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

Assessment activities are being conducted in 42 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 is 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 water-resources managers to use in making decisions and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water-resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program may be accessed from <http://water.usgs.gov/nawqa/>.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from <http://water.usgs.gov/nsip/>.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations (figs. 4-11) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRI), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

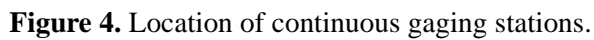
For stream-gaging stations, discharge-rating tables for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than measured, the extensions are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily values. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features of the stream channel, the daily mean discharge is computed by the shifting-control method in which correction factors based on individual discharge measurements and notes by engineers and observers are used when applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the controlling section, the daily mean discharge is computed by the shifting-control method.

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence 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 at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, 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.

At some stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter-discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge from other stations in the same or nearby basins.



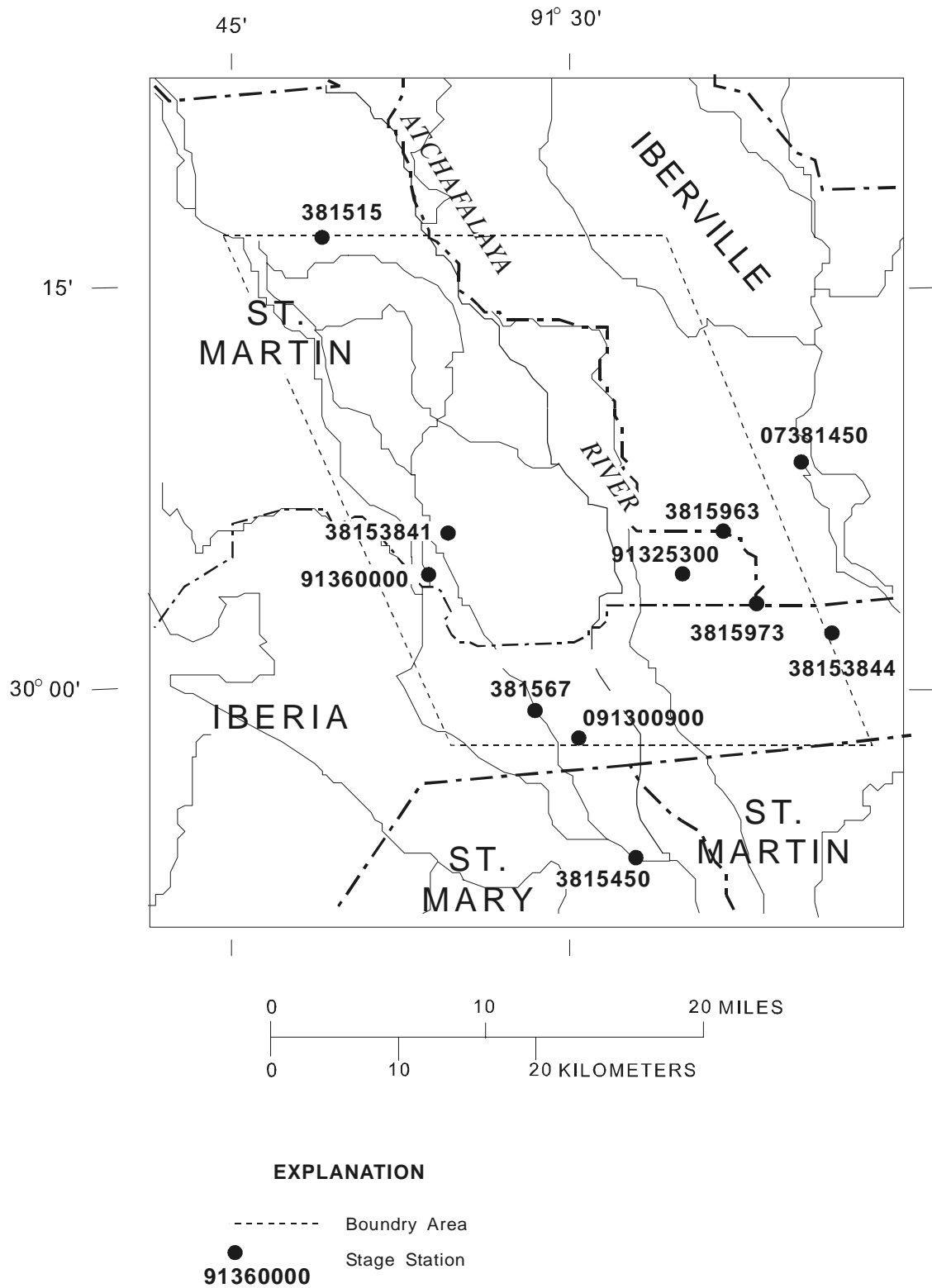
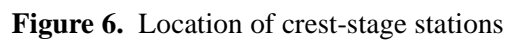


Figure 5. Location of stage stations in the Atchafalaya River Basin (shaded area of fig. 4).



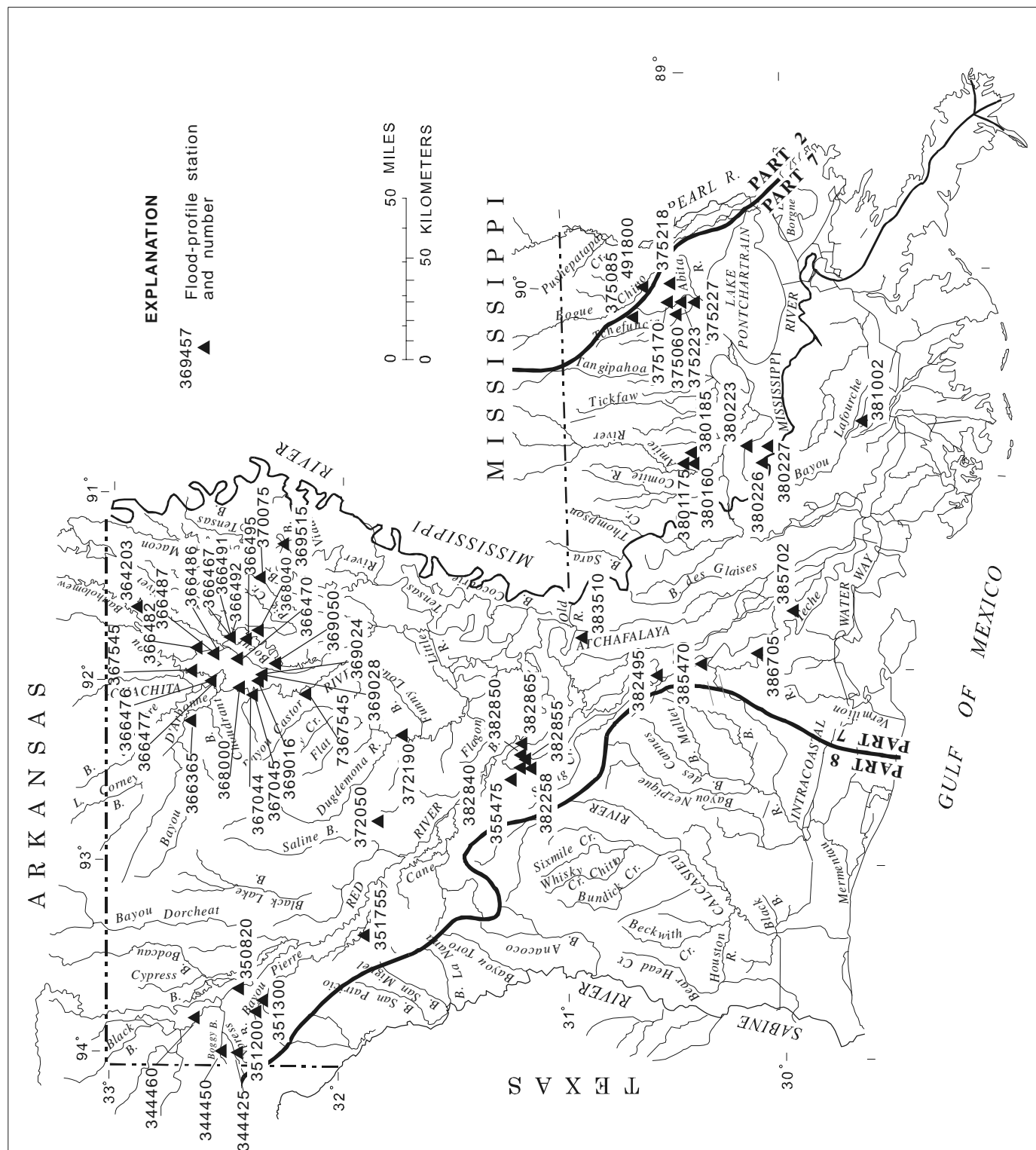
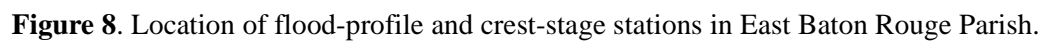


Figure 7. Location of flood-profile stations.



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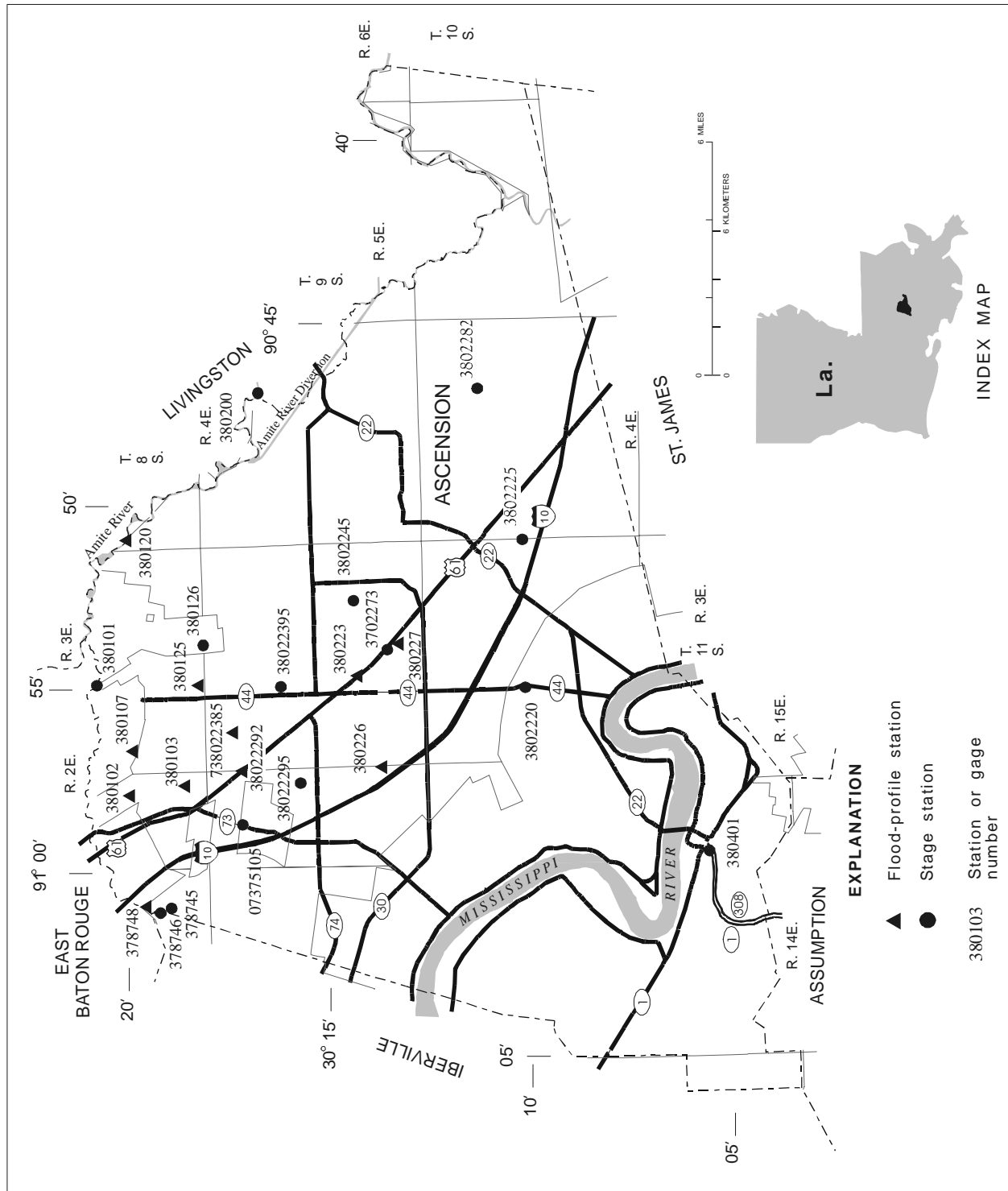


Figure 9. Location of continuous stage and flood-profile stations in Ascension Parish.

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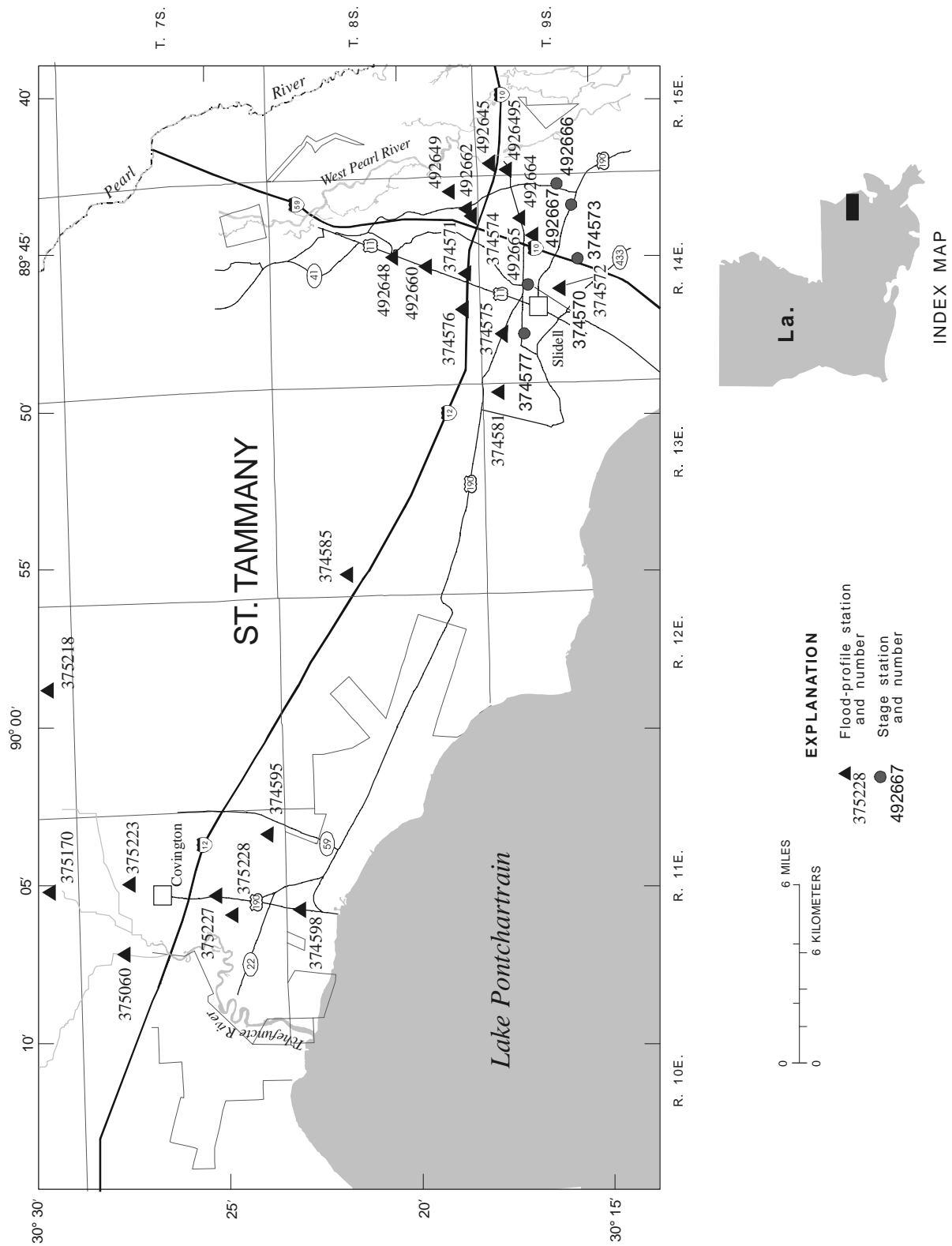


Figure 10. Location of flood-profile stations in St. Tammany Parish.

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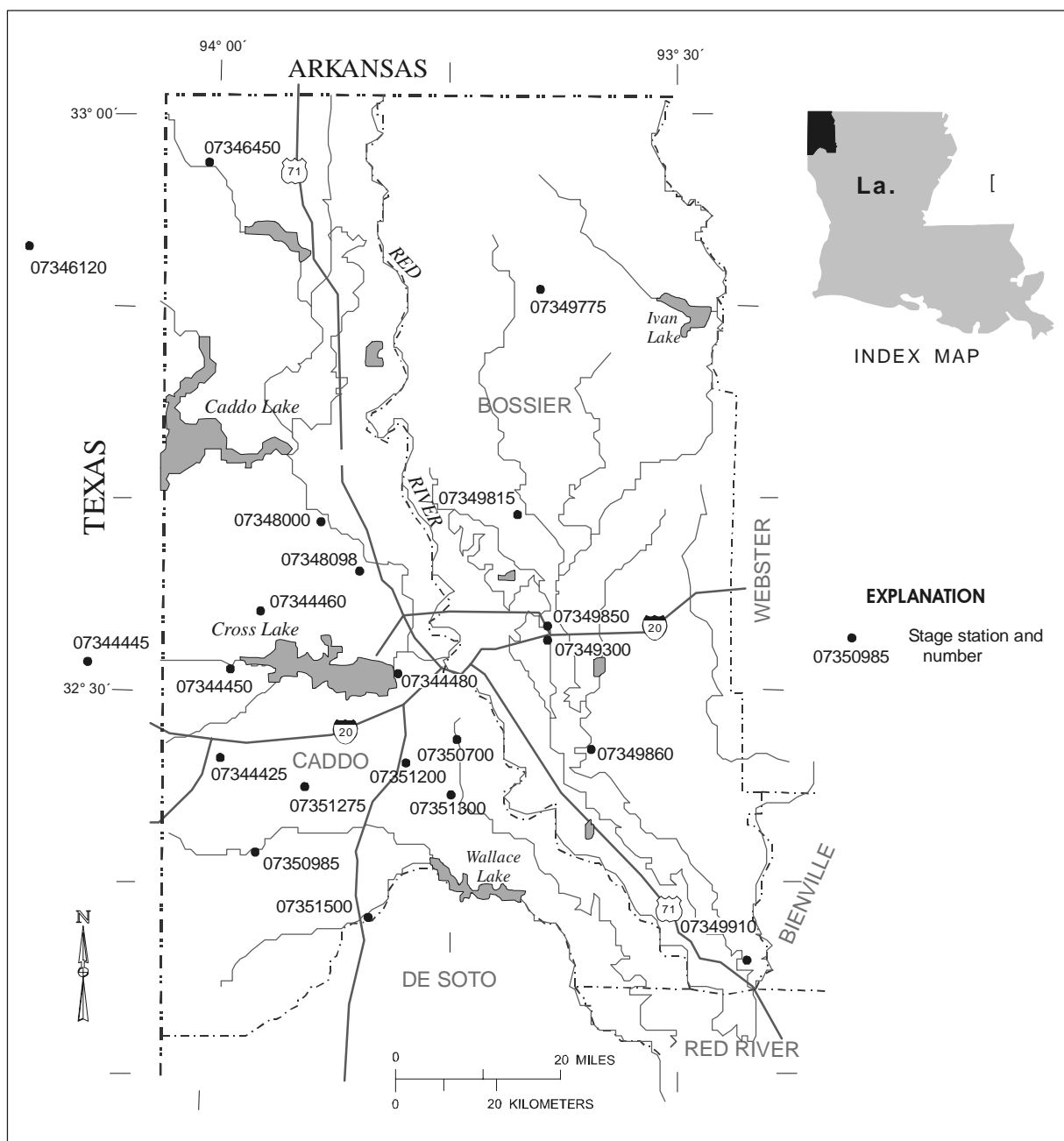


Figure 11. Location of stage stations in Caddo and Bossier Parishes.

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For a lake or reservoir station, capacity tables giving the volume or contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly changes are computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of four parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; and (4) 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 follow that clarify information presented under the various headings of the station description.

LOCATION.—Location information is obtained from the most accurate maps available. The location of the gaging station 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 term indicates the time period for which records have been published 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 its flow reasonably can be considered equivalent to flow at the present station.

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REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.—All periods of estimated daily discharge either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and 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, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents 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 USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://water.usgs.gov/nwis/nwis>). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations 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 (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. 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 stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 year.

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Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed TOTAL gives the sum of the daily figures for each month; the line headed MEAN gives the arithmetic average flow in cubic feet per second for the month; and the lines headed MAX and MIN give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month is 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). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

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

Summary Statistics

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

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

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The following summary statistics data are provided with each continuous record of discharge. Comments that follow clarify information presented under the various line headings of the SUMMARY STATISTICS table.

ANNUAL TOTAL.—The sum of the daily mean values of discharge for the year.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

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

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

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

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

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

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

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

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

Inches (INCHES) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.—The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.—The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.—The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first table lists annual maximum stage and discharge at crest-stage stations, and the second table lists discharge measurements at low-flow partial-record 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 often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e—Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

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.

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The degree of accuracy of the records is stated in the REMARKS in the station description. "Excellent" indicates that about 95 percent of the daily discharges are within 5 percent of the true value; "good" within 10 percent; and "fair," within 15 percent. "Poor" indicates that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to the nearest tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge values listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, values 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 Data Records Available

Information of a more detailed nature than that published for most of the stream-gaging stations such as discharge measurements, gage-height records, and rating tables is available from the District office. Also, most stream-gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the District office (see address that is shown on the back of the title page of this report).

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for period of record; extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRIIs. A list of TWRIIs is provided in this report.

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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 at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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 and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

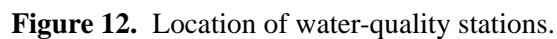
SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data is useful in the interpretation of surface-water quality. Records of surface-water quality in this report 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 *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one 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 continuous- or partial-record station, where 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 *continuous records* as used in this report and *continuous recordings* that refer to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 12.



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Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[≤, less than or equal to; ±, plus or minus value shown; °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Water temperature	≤ ±0.2 °C	> ±0.2 to 0.5 °C	> ±0.5 to 0.8 °C	> ±0.8 °C
Specific conductance	≤ ±3%	> ±3 to 10%	> ±10 to 15%	> ±15%
Dissolved oxygen	≤ ±0.3 mg/L	> ±0.3 to 0.5 mg/L	> ±0.5 to 0.8 mg/L	> ±0.8 mg/L
pH	≤ ±0.2 unit	> ±0.2 to 0.5 unit	> ±0.5 to 0.8 unit	> ±0.8 unit
Turbidity	≤ ±5%	> ±5 to 10%	> ±10 to 15%	> ±15%

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 collection. 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 is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must 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 TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. These TWRI's are listed in this report. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS District office (see address that is shown on the back of title page in this report).

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Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice 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 discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the District office.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals 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 section.

During periods of rapidly changing flow or rapidly changing concentration, samples may be 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 discharges 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.

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

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

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRIs, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These methods are consistent with ASTM standards and generally follow ISO standards.

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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 the 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 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 information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. 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 USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://waterdata.usgs.gov/nwis>). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

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.

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Remark Codes

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

Printed Output	Remark
E or 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).
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted).
D	Biological organism count equal to or greater than 15 percent (dominant).
V	Analyte was detected in both the environmental sample and the associated blanks.
&	Biological organism estimated as dominant.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this District office are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the District office.

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Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

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Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs. See NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES in this report for a detailed explanation.

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the TWRI's referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure 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.

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 above sea level 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 as daily mean values of depth to water level for the current water year with summary data.

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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 of water of several hundred feet, the error in 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. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by parish. The primary identification number for a given well is the 15-digit site identification 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. Well locations are shown in figures 13-16; each well is identified on the map by its local well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

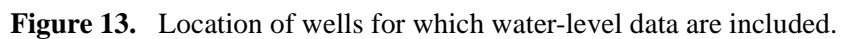
LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

INSTRUMENTATION.—Wells equipped with recorders include this paragraph which provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above National Geodetic Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.



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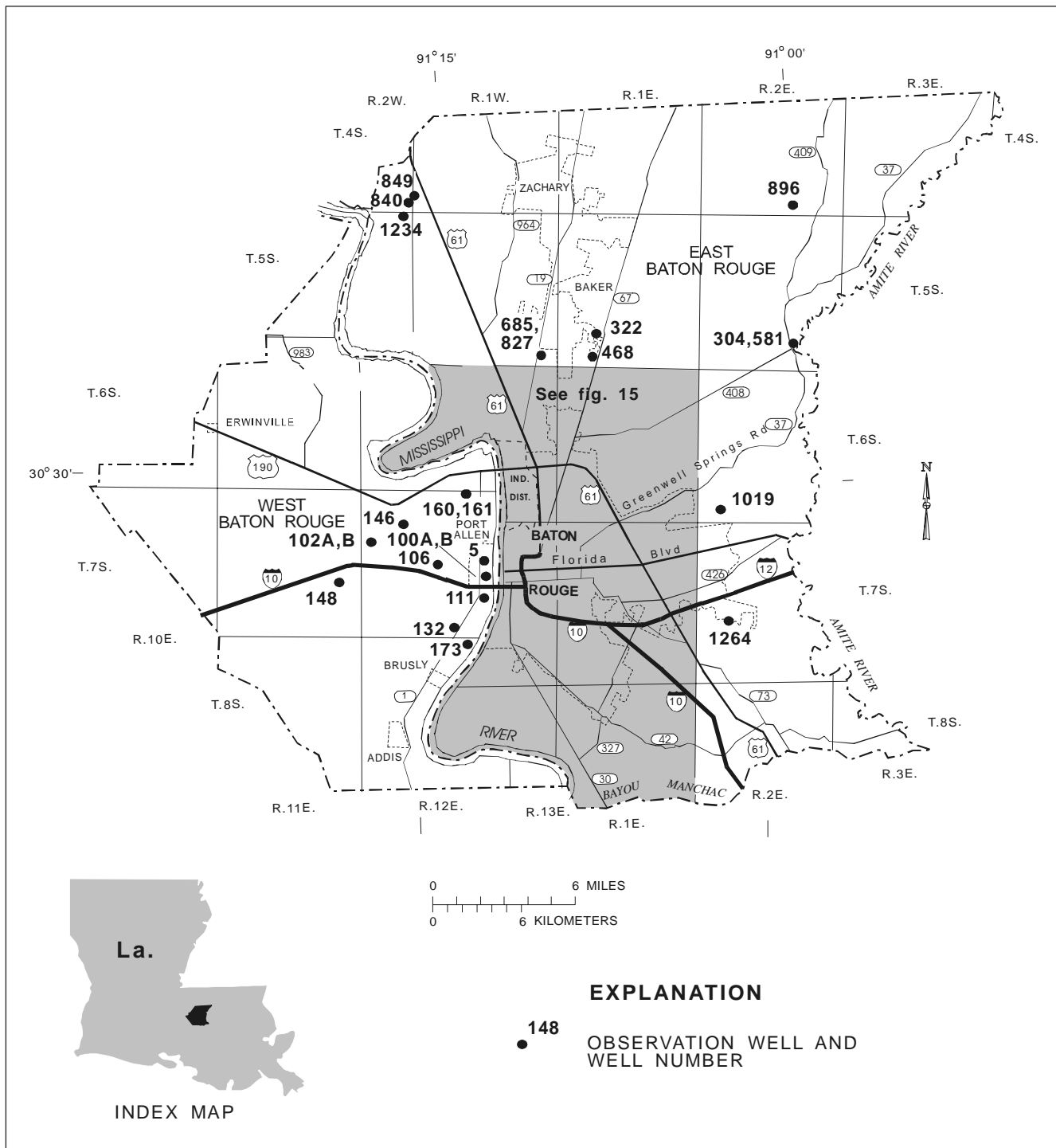
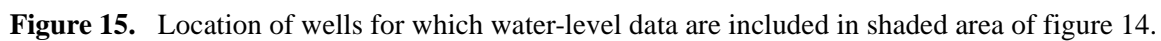


Figure 14. Location of wells for which water-level data are included in East and West Baton Rouge Parishes.



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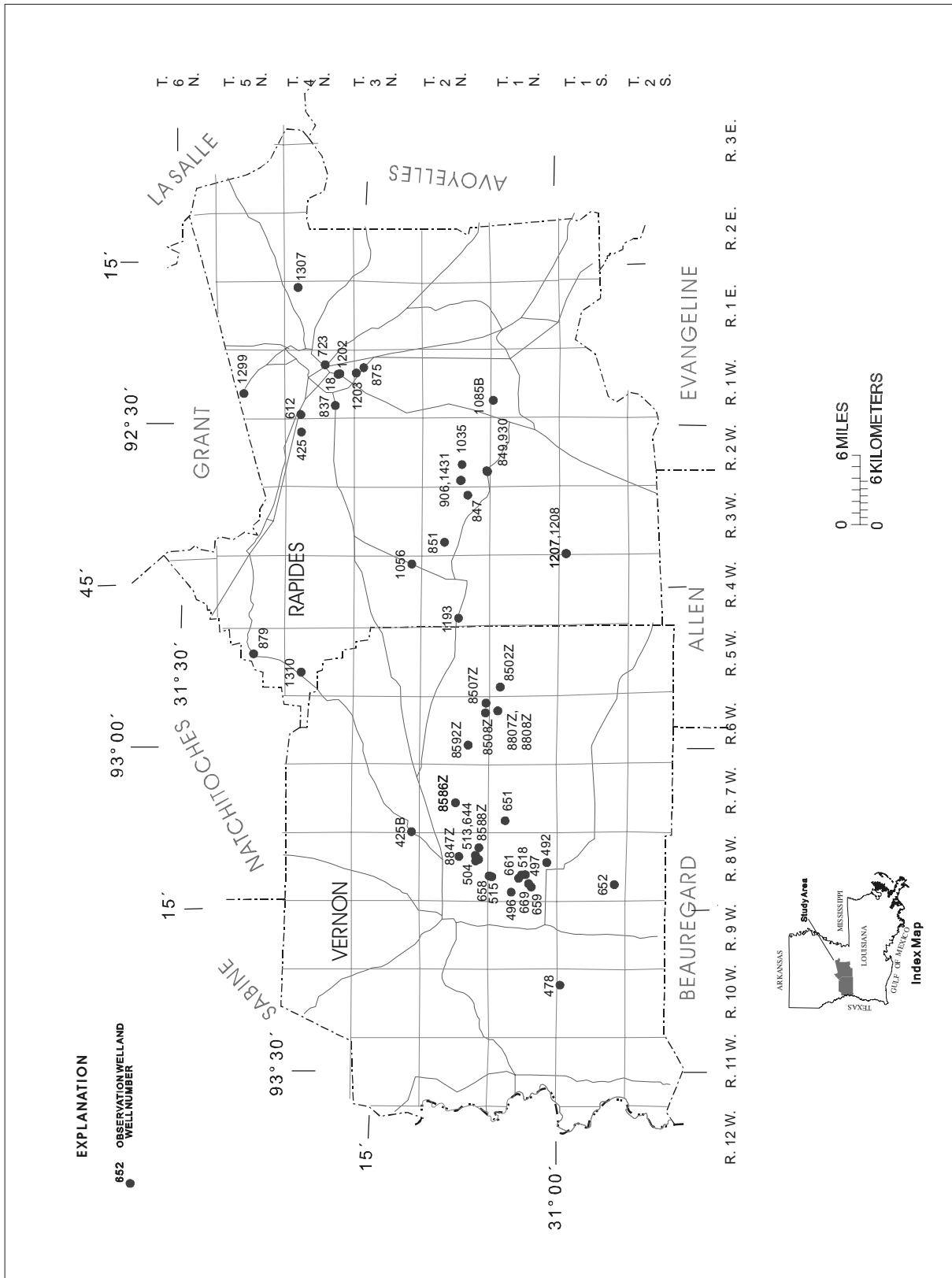


Figure 16. Location of wells for which water-level data are included in Vernon and Rapides Parishes.

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REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder’s float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide. Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of either quarterly, semi-annual, or annual measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring chloride trends in areas where saltwater encroachment is occurring. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

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Most methods for collecting and analyzing water samples are described in the TWRI. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS District office (see address shown on back of title page in this report).

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. No descriptive statements are given for ground-water-quality records; however, the well number, station number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. Well locations are shown in figures 17-20; each well is identified on the map by its local well number.

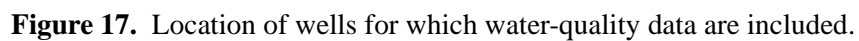
Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed from <http://water.usgs.gov>.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each Water Discipline District Office (See address that is shown on the back of the title page of this report.)



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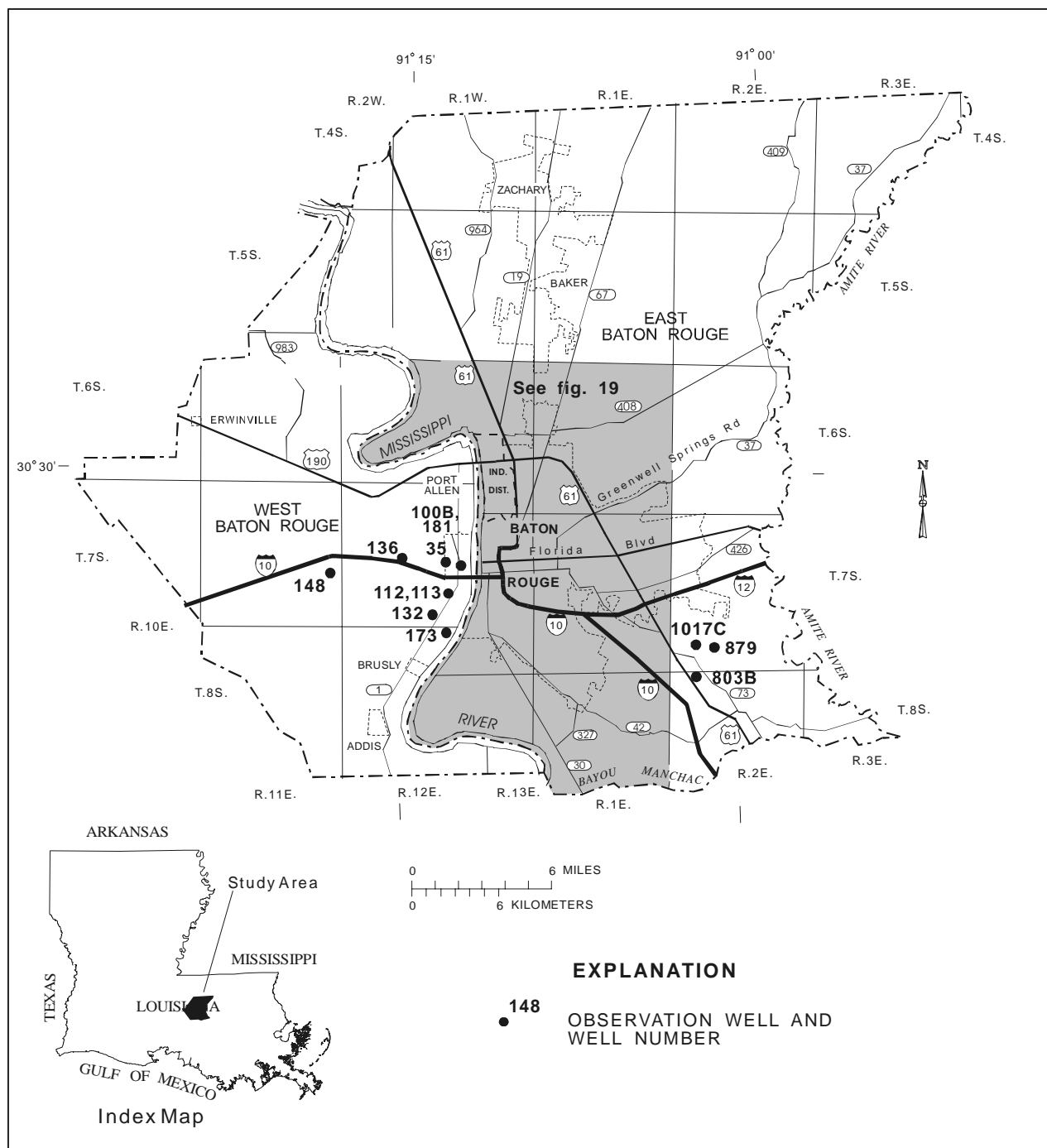


Figure 18. Location of wells for which water quality data are included in East and West Baton Rouge Parishes.

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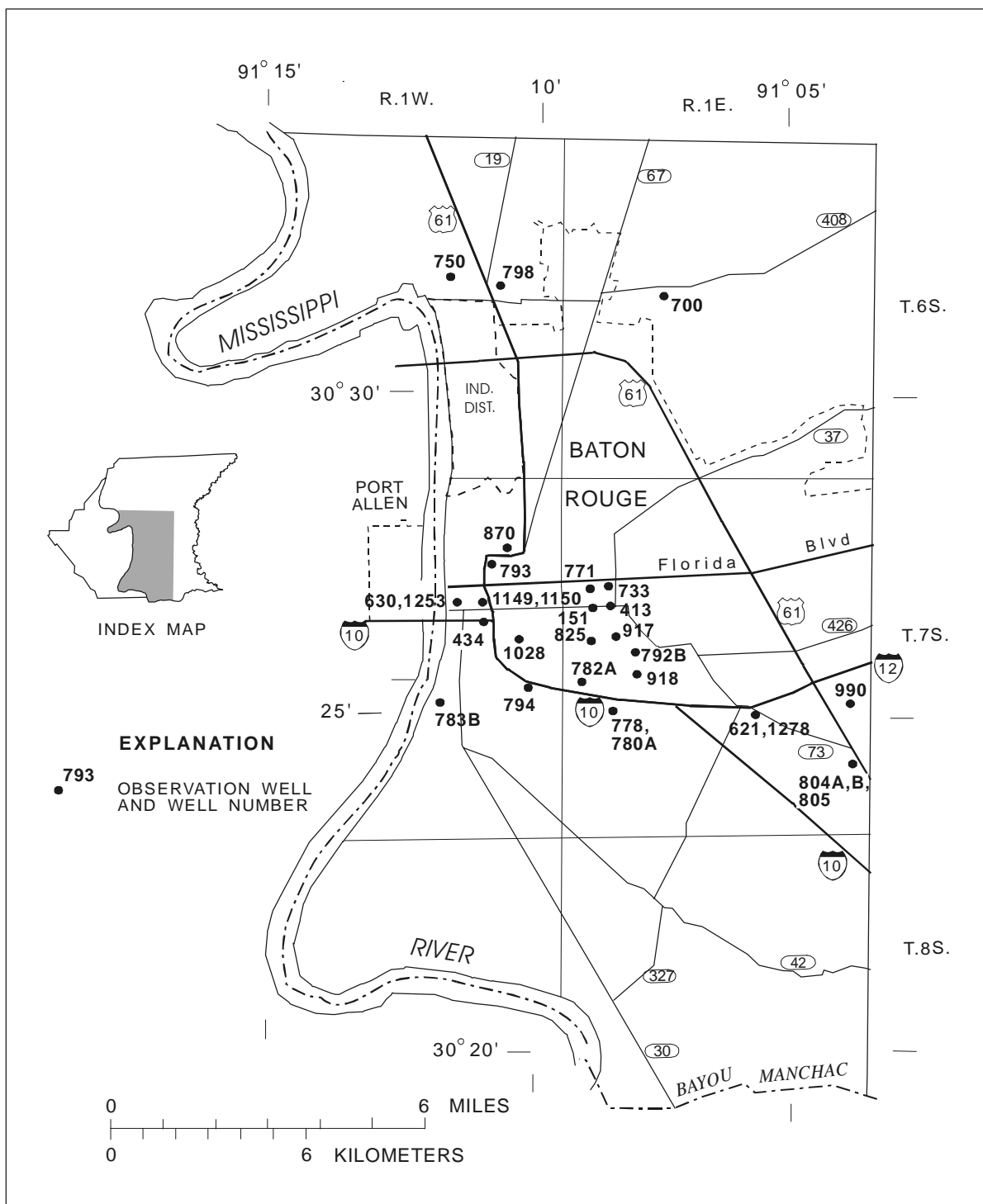


Figure 19. Location of wells for which water-quality data are included in shaded area of figure 18.

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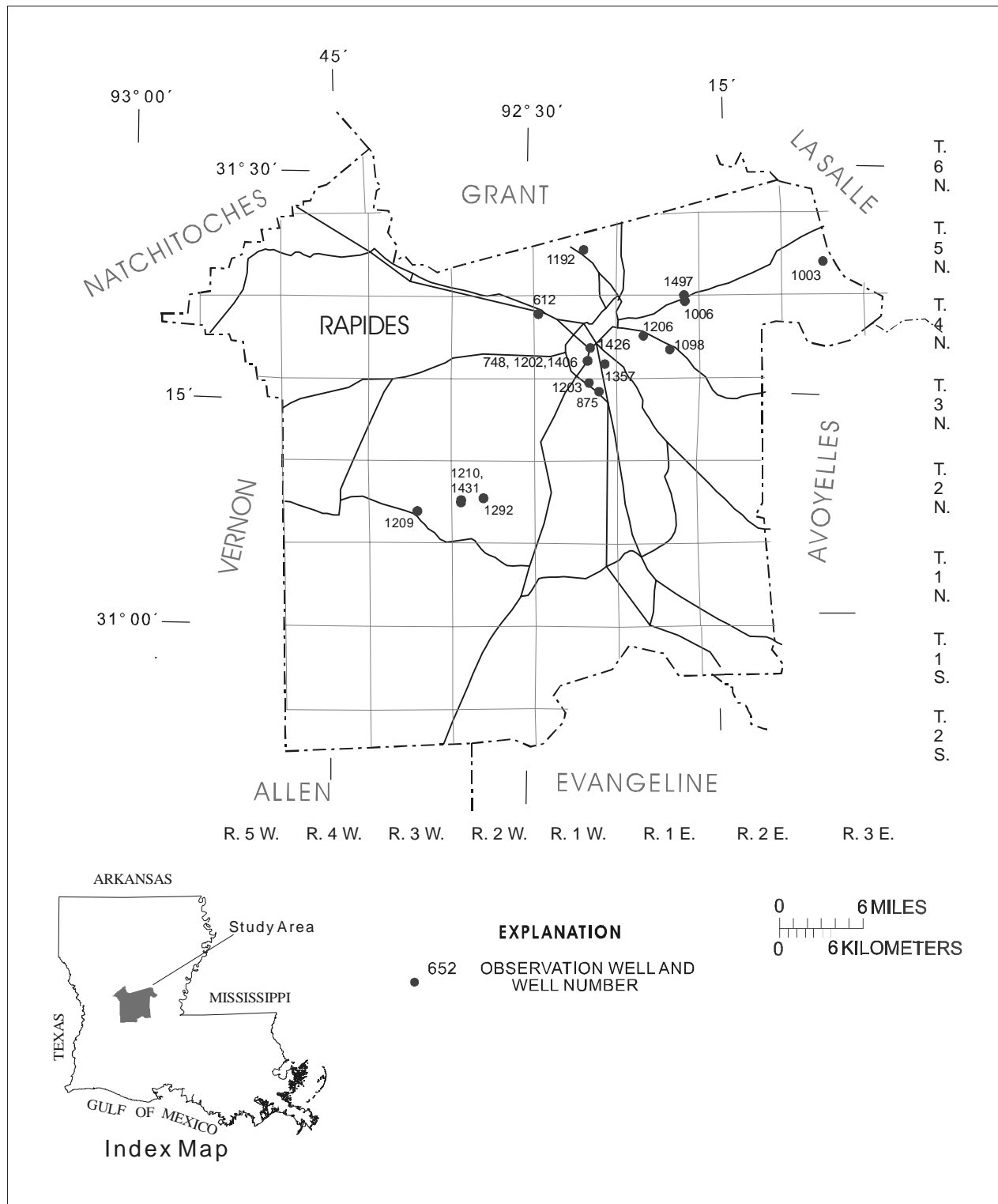


Figure 20. Location of wells for which water-quality data are included in Rapides Parish.

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from <http://water.usgs.gov/glossaries.html>.

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

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also “Annual runoff”)

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tide cycle or reservoir storage).

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample. (See also “Biomass” and “Dry weight”)

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

Annual runoff is the total quantity of water that is discharged (“runs off”) from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. 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.)

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

DEFINITION OF TERMS--Continued

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

Ash mass is the mass or amount of residue present after the residue from a dry-mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2). (See also "Biomass" and "Dry mass")

Aspect is the direction toward which a slope faces with respect to the compass.

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

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peak flows per year will be published. (See also "Peak flow")

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bed material is the sediment mixture of which a stream-bed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Bedload is material in transport that primarily is supported by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to the top of the bedload sampler nozzle (an elevation ranging from 0.25 to 0.5 foot). These particles are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload," "Dry weight," "Sediment," and "Suspended-sediment discharge")

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

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

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

Biomass pigment ratio is an indicator of the total proportion of periphyton that are autotrophic (plants). This also is called the Autotrophic Index.

DEFINITION OF TERMS--Continued

Blue-green algae (*Cyanophyta*) are a group of phytoplankton and periphyton organisms with a blue pigment in addition to a green pigment called chlorophyll. Blue-green algae can cause nuisance water-quality conditions in lakes and slow-flowing rivers; however, they are found commonly in streams throughout the year. The abundance of blue-green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also "Phytoplankton" and "Periphyton")

Bottom material (See "Bed material")

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved-solids content of the pore water, and the lithology and porosity of the rock.

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada's first order level network in 1928.

Cell volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are used frequently in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements or cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } \frac{4}{3} \pi r^3 \quad \text{cone } \frac{1}{3} \pi r^2 h \quad \text{cylinder } \pi r^2 h.$$

pi (π) is the ratio of the circumference to the diameter of a circle; $\pi = 3.14159\dots$

From cell volume, total algal biomass expressed as biovolume ($\mu\text{m}^3/\text{mL}$) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

Cells/volume refers to the number of cells of 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 volume, and generally are reported as cells or units per milliliter (mL) or liter (L).

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens (*C. perfringens*) is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and the presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water and of the survival and transport of viruses in the environment.

DEFINITION OF TERMS--Continued

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

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

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

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

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

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

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, $[(\text{ft}^3/\text{s})/\text{d}]$) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily mean discharges reported in the daily value data tables numerically are equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(\text{ft}^3/\text{s})/\text{mi}^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted mean concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Sediment" and "Suspended-sediment concentration")

Daily record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to data collection on a daily or near-daily basis.

Data collection platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data usually are downloaded from onsite data loggers for entry into office data systems.

DEFINITION OF TERMS--Continued

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or Universal Transverse Mercator (UTM) coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms (*Bacillariophyta*) are unicellular or colonial algae with a siliceous cell wall. The abundance of diatoms in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of diatoms in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also "Phytoplankton" and "Periphyton")

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or **flow**, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, and so forth, within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents, such as suspended sediment, bedload, and dissolved or suspended chemicals, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L CaCO₃) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon 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. 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 upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

DEFINITION OF TERMS--Continued

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

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, 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 ash mass. (See also "Ash mass," "Biomass," and "Wet mass")

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

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also "Substrate embeddedness class")

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

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that generally are considered pollution sensitive; the index usually decreases with pollution.

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

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an E code will be reported with the value. If the analyte is identified qualitatively as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an E code even though the measured value is greater than the MDL. A value reported with an E code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<). For bacteriological data, concentrations are reported as estimated when results are based on non-ideal colony counts.

Euglenoids (*Euglenophyta*) are a group of algae that usually are free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediment.

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

DEFINITION OF TERMS--Continued

Fecal streptococcal bacteria are present in the intestines of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also “Bacteria”)

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also “Phytoplankton”)

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

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly greater than the maximum depth of water. Because the gage datum is not an actual physical object, the datum is usually defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any national geodetic datum. However, if the elevation of the gage datum relative to the national datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the national datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height often is used interchangeably with the more general term “stage,” although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted, and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

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

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae (*Chlorophyta*) are unicellular or colonial algae with chlorophyll pigments similar to those in terrestrial green plants. Some forms of green algae produce mats or floating “moss” in lakes. The abundance of green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also “Phytoplankton” and “Periphyton”)

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat typically are made over a wider geographic scale than are measurements of species distribution.

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

DEFINITION OF TERMS--Continued

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. *See NOAA Web site:*
<http://www.co-ops.nos.noaa.gov/tideglos.html>

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = \sum \frac{(n)(a)}{N},$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum (See "Datum")

Hydrologic index stations referred to in this report are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

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

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

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year, on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) generally is equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually on the basis of the most current quality-control data and, therefore, may change. The LRL replaces the term 'non-detection value' (NDV).

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

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

DEFINITION OF TERMS--Continued

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation:

$$I = I_o e^{-\lambda L},$$

where I_o is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light-attenuation coefficient is defined as

$$\lambda = -\frac{1}{L} \log_e \frac{I}{I_o}.$$

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

Long-term method detection level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike-sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. *See NOAA Web site:*

<http://www.co-ops.nos.noaa.gov/tideglos.html>

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also “Daily mean suspended-sediment concentration” and “Suspended-sediment concentration”)

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period. (See also “Discharge”)

Mean high or low tide is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also “Datum”)

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

Megahertz is a unit of frequency. One megahertz equals one million cycles per second.

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

DEFINITION OF TERMS--Continued

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

Methylene blue active substances (MBAS) indicate the presence of detergents (anionic surfactants). The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

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

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

Micrograms per liter (UG/L, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

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

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

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

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

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

DEFINITION OF TERMS--Continued

National Geodetic Vertical Datum of 1929 (NGVD 29) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It formerly was called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations, it does not necessarily represent local mean sea level at any particular place. *See NOAA Web site: <http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88>* (See "North American Vertical Datum of 1988")

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

Nekton are the consumers in the aquatic environment and consist of large, free-swimming organisms that are capable of sustained, directed mobility.

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

North American Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.

North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based on the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.

North American Vertical Datum of 1988 (NAVD 88) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and United States first-order terrestrial leveling networks.

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

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

Organic mass or volatile mass of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m²), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

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

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

DEFINITION OF TERMS--Continued

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

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

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method uses the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-with-drawal tube, visual-accumulation tube, sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	>0.00024 - 0.004	Sedimentation
Silt	>0.004 - 0.062	Sedimentation
Sand	>0.062 - 2.0	Sedimentation/sieve
Gravel	>2.0 - 64.0	Sieve
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

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

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation of the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

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

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. Although primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

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

DEFINITION OF TERMS--Continued

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7.0 standard units are termed “acidic,” and solutions with a pH greater than 7.0 are termed “basic.” Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They usually are 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 commonly are known as algae. (See also “Plankton”)

Picocurie (PC, pCi) is one-trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 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. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

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. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photo-synthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [$\text{mg C}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg C}/(\text{m}^3/\text{time})$] for phytoplankton. The carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light- and dark-bottle method and is preferred for use with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also “Primary productivity”)

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [$\text{mg O}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg O}/(\text{m}^3/\text{time})$] for phytoplankton. The oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also “Primary productivity”)

DEFINITION OF TERMS--Continued

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

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

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

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

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See "Recurrence interval")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council and typically is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

DEFINITION OF TERMS--Continued

Runoff is the quantity of water that is discharged (“runs off”) from a drainage basin during a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also “Annual runoff”)

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as “fluvial sediment.” Sediment 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 affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

Seven-day, 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-term average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year. (See also “Annual 7-day minimum” and “Recurrence interval”)

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 °C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See “Gage height”)

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DEFINITION OF TERMS--Continued

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

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

Substrate is the physical surface upon which an organism lives.

Substrate embeddedness class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2 mm, sand or finer). Below are the class categories expressed as the percentage covered by fine sediment:

0	no gravel or larger substrate	3	26-50 percent
1	> 75 percent	4	5-25 percent
2	51-75 percent	5	< 5 percent

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 foot) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory procedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

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

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and, thus, the determination represents something less than the “total” amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of “suspended, recoverable” constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also “Suspended”)

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also “Sediment”)

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 foot above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also “Sediment” and “Suspended sediment”)

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027. (See also “Sediment,” “Suspended sediment,” and “Suspended-sediment concentration”)

DEFINITION OF TERMS--Continued

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also “Sediment”)

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as “suspended, total.” Determinations of “suspended, total” constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also “Suspended”)

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydro-logic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

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>

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term “temperature recorder” is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

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 resulting from the mixing of flow proportionally to the duration of the concentration.

DEFINITION OF TERMS--Continued

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric ton per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) 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 determined at least 95 percent of the constituent in the sample.)

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warmblooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also "Bacteria")

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

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

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume")

Total recoverable is the amount of a given constituent in a whole-water sample after a 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 for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

DEFINITION OF TERMS--Continued

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also “Bedload,” “Bedload discharge,” “Sediment,” “Suspended sediment,” and “Suspended-sediment concentration”)

Total sediment load or **total load** is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also “Sediment,” “Suspended-sediment load,” and “Total load”)

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is the reduction in the transparency of a solution because of the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to USEPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of path length of UV light through a sample.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See “Water-table aquifer”)

Vertical datum (See “Datum”)

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

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which the water table is found.

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2002, is called the “2002 water year.”

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DEFINITION OF TERMS--Continued

Watershed (See “Drainage basin”)

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.

Wet mass is the mass of living matter plus contained water. (See also “Biomass” and “Dry mass”)

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also “Dry weight”)

WSP is used as an acronym for “Water-Supply Paper” in reference to previously published reports.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are 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. (See also “Plankton”)

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The USGS publishes a series of manuals, the Techniques of Water-Resources Investigations, 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.

Reports in the Techniques of Water-Resources Investigations series, which are listed below, are online at <http://water.usgs.gov/pubs/twri/>. Printed copies are for sale by the USGS, Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office), telephone 1-888-ASK-USGS. Please telephone 1-888-ASK-USGS for current prices, and refer to the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations." Products can then be ordered by telephone, or online at <http://www.usgs.gov/sales.html>, or by FAX to (303)236-469 of an order form available online at <http://mac.usgs.gov/isb/pubs/forms/>. Prepayment by major credit card or by a check or money order payable to the "U.S. Geological Survey" is required.

Book 1. Collection of Water Data by Direct Measurement**Section D. Water Quality**

- 1-D1. *Water temperature—influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J.F. Ficke, and G. F. Smoot: USGS–TWRI book 1, chap. 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, chap. D2. 1976. 24 pages.

Book 2. Collection of Environmental Data**Section D. Surface Geophysical Methods**

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

Section E. Subsurface Geophysical Methods

- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 pages.

Section F. Drilling and Sampling Methods

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

Book 3. Applications of Hydraulics**Section A. Surface-Water Techniques**

- 3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. 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, chap. A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS–TWRI book 3, chap. A4. 1967. 44 pages.

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS-TWRI book 3, chap. A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS-TWRI book 3, chap. A6. 1968. 13 pages.
- 3-A7. *Stage measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS-TWRI book 3, chap. A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS-TWRI book 3, chap. 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, chap. A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS-TWRI book 3, chap. A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS-TWRI book 3, chap. A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS-TWRI book 3, chap. A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS-TWRI book 3, chap. A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS-TWRI book 3, chap. A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS-TWRI book 3, chap. A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS-TWRI book 3, chap. A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS-TWRI book 3, chap. A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS-TWRI book 3, chap. A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS-TWRI book 3, chap. A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS-TWRI book 3, chap. A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS-TWRI book 3, chap. A21. 1995. 56 pages.

Section B. Ground-Water Techniques

- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS-TWRI book 3, chap. B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G.D. Bennett: USGS-TWRI book 3, chap. B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS-TWRI book 3, chap. B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS-TWRI book 3, chap. B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow --Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R.L. Cooley: USGS-TWRI book 3, chap. B4. 1993. 8 pages.

WATER RESOURCES DATA - LOUISIANA, 2003

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems—An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS–TWRI book 3, chap. B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS–TWRI book 3, chap. B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS–TWRI book 3, chap. B7. 1992. 190 pages.
- 3-B8. *System and boundary conceptualization in ground-water flow simulation*, by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 pages.

Section C. Sedimentation and Erosion Techniques

- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS–TWRI book 3, chap. C3. 1972. 66 pages.

Book 4. Hydrologic Analysis and Interpretation**Section A. Statistical Analysis**

- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS–TWRI book 4, chap. A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 pages.
- 4-A3. *Statistical methods in water resources*, by D.R. Helsel and R.M. Hirsch: USGS–TWRI book 4, chap. A3. 1991. Available only online at <http://water.usgs.gov/pubs/twri/twri4a3/>. (Accessed August 30, 2002.)

Section B. Surface Water

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

Section D. Interrelated Phases of the Hydrologic Cycle

- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 pages.

Book 5. Laboratory Analysis**Section A. Water Analysis**

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

02489500 PEARL RIVER NEAR BOGALUSA, LA

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

DRAINAGE AREA.--6,573 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 54.64 ft above NAVD 88. Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Records fair. Satellite telemetry at station.

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28,100	25,500	5,130	32,800	5,920	72,900	7,360	17,200	4,580	20,400	3,690	4,350
2	28,900	29,000	4,790	32,900	9,490	70,600	6,780	18,300	4,120	30,000	3,640	4,480
3	30,300	30,600	4,310	31,900	10,400	67,800	6,250	19,100	3,970	30,100	3,670	4,430
4	32,600	31,200	3,920	31,200	10,100	66,200	5,540	20,100	4,060	25,100	3,930	4,340
5	e33,000	31,800	4,380	30,900	9,490	64,200	5,080	21,100	3,940	20,900	4,850	4,510
6	30,800	32,500	5,840	30,600	8,450	e63,000	5,330	21,700	3,770	19,900	4,810	4,880
7	28,900	33,200	7,290	29,200	8,280	e62,000	5,690	21,600	4,430	21,200	4,940	5,460
8	26,000	34,600	9,300	25,600	10,700	e60,000	8,430	19,100	5,110	22,300	5,860	5,140
9	21,500	35,200	9,830	21,100	12,700	e57,000	18,700	13,200	4,710	22,000	6,540	4,630
10	17,000	35,400	8,840	16,400	14,500	e50,000	24,200	8,700	4,020	19,700	8,170	4,330
11	14,300	35,800	8,170	13,300	15,900	45,400	27,200	6,720	4,580	17,200	10,600	3,860
12	13,600	33,600	7,960	11,500	16,900	41,600	29,800	5,910	5,300	15,500	12,300	3,320
13	13,800	29,300	7,440	10,300	17,500	40,600	32,300	5,390	5,490	15,500	12,400	3,070
14	13,900	26,300	7,510	9,600	17,100	39,400	34,900	5,100	5,630	14,600	11,300	3,130
15	13,500	23,900	8,210	e8,300	15,400	36,800	38,400	5,080	8,090	13,700	10,100	3,010
16	12,100	21,100	9,520	7,460	15,800	34,400	47,100	5,410	14,100	12,200	9,370	2,870
17	10,200	16,200	10,700	6,480	19,000	32,200	56,700	5,320	16,600	10,200	8,510	2,980
18	8,650	12,600	10,500	5,870	21,600	29,200	57,800	5,530	16,600	8,190	6,930	3,010
19	7,280	12,100	10,200	5,580	23,900	25,000	56,100	5,480	15,800	6,550	5,540	2,790
20	6,190	12,500	10,100	5,230	25,800	21,400	53,200	5,810	15,900	5,930	4,870	2,590
21	5,390	12,700	9,370	4,940	27,600	19,600	47,400	8,040	17,600	6,170	4,640	2,500
22	4,860	11,700	9,140	e4,800	30,300	19,400	39,300	9,610	19,500	5,850	4,160	2,620
23	4,470	10,200	9,510	4,310	33,700	19,300	30,600	10,100	19,000	5,580	3,890	3,240
24	4,750	8,860	17,800	4,200	38,700	18,500	16,400	10,100	16,700	6,440	4,120	3,470
25	5,150	7,800	23,800	4,300	59,700	16,500	9,740	9,960	13,300	7,830	4,580	2,980
26	6,270	6,870	23,400	4,490	72,500	13,500	7,490	8,830	10,000	6,570	4,510	2,860
27	8,800	6,100	23,700	4,530	76,800	11,100	6,710	8,010	7,810	5,550	4,000	2,950
28	9,970	5,500	26,100	4,510	75,900	9,530	9,710	6,820	7,930	5,190	3,530	2,730
29	11,100	5,410	28,600	4,390	---	8,710	13,100	5,870	7,180	4,650	3,500	2,500
30	14,400	5,380	30,500	4,190	---	8,330	15,500	6,030	6,490	4,150	3,640	2,360
31	20,500	---	32,000	4,300	---	7,980	---	5,340	---	3,770	3,910	---
TOTAL	486,280	622,920	387,860	415,180	704,130	1,132,150	722,810	324,560	276,310	412,920	186,500	105,390
MEAN	15,690	20,760	12,510	13,390	25,150	36,520	24,090	10,470	9,210	13,320	6,016	3,513
MAX	33,000	35,800	32,000	32,900	76,800	72,900	57,800	21,700	19,500	30,100	12,400	5,460
MIN	4,470	5,380	3,920	4,190	5,920	7,980	5,080	5,080	3,770	3,770	3,500	2,360
CFSM	2.39	3.16	1.90	2.04	3.83	5.56	3.67	1.59	1.40	2.03	0.92	0.53
IN.	2.75	3.53	2.20	2.35	3.99	6.41	4.09	1.84	1.56	2.34	1.06	0.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	3,153	4,437	9,826	15,330	19,560	20,840	19,160	11,860	5,610	4,648	3,867	3,042
MAX	15,690	20,760	40,080	48,900	56,830	46,670	67,290	56,770	22,540	26,570	16,710	12,220
(WY)	(2003)	(2003)	(1983)	(1974)	(1990)	(1987)	(1980)	(1991)	(1983)	(1940)	(1975)	(2001)
MIN	1,110	1,233	1,713	2,174	2,133	3,678	3,214	1,926	1,651	1,564	1,398	1,246
(WY)	(1964)	(1964)	(1955)	(1956)	(2000)	(2000)	(1963)	(1963)	(1963)	(1969)	(2000)	(1954)

02489500 PEARL RIVER NEAR BOGALUSA, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	3,715,980		5,777,010			
ANNUAL MEAN	10,180		15,830		10,030	
HIGHEST ANNUAL MEAN					22,560	1983
LOWEST ANNUAL MEAN					3,412	1963
HIGHEST DAILY MEAN	35,800	Nov 11	76,800	Feb 27	127,000	Apr 24, 1979
LOWEST DAILY MEAN	1,540	Sep 21	2,360	Sep 30	1,020	Oct 29, 1963
ANNUAL SEVEN-DAY MINIMUM	1,570	Sep 15	2,770	Sep 16	1,030	Oct 26, 1963
MAXIMUM PEAK FLOW			82,800	Feb 27	129,000	Apr 24, 1979
MAXIMUM PEAK STAGE			21.77	Feb 27	23.23	Apr 24, 1979
INSTANTANEOUS LOW FLOW			2,310	Sep 30	1,020	Oct 30, 1963
ANNUAL RUNOFF (CFSM)	1.55		2.41		1.53	
ANNUAL RUNOFF (INCHES)	21.03		32.70		20.73	
10 PERCENT EXCEEDS	26,000		33,400		27,800	
50 PERCENT EXCEEDS	6,200		9,830		4,570	
90 PERCENT EXCEEDS	1,980		4,040		1,830	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.52	19.23	11.90	19.98	12.56	21.39	13.78	17.69	11.26	18.11	10.17	10.98
2	19.60	19.61	11.51	19.99	15.03	21.28	13.39	17.95	10.70	19.71	10.12	11.14
3	19.74	19.77	10.93	19.90	15.51	21.17	12.94	18.13	10.52	19.72	10.15	11.08
4	19.96	19.83	10.46	19.83	15.34	21.11	12.31	18.33	10.62	19.16	10.47	10.97
5	---	19.89	11.01	19.80	15.05	21.06	11.84	18.53	10.48	18.49	11.57	11.17
6	19.79	19.95	12.58	19.77	14.47	---	12.12	18.65	10.27	18.30	11.53	11.61
7	19.60	20.01	13.72	19.63	14.36	---	12.45	18.64	11.08	18.56	11.67	12.24
8	19.29	20.12	14.95	19.24	15.61	---	14.30	18.11	11.88	18.77	12.60	11.91
9	18.62	20.17	15.22	18.54	16.43	---	18.01	16.52	11.40	18.71	13.19	11.31
10	17.63	20.18	14.70	17.50	17.00	---	19.07	14.59	10.59	18.25	14.28	10.96
11	16.93	20.21	14.30	16.61	17.36	20.61	19.42	13.33	11.25	17.68	15.58	10.38
12	16.74	20.04	14.16	15.98	17.61	20.52	19.69	12.65	12.09	17.27	16.27	9.67
13	16.79	19.64	13.84	15.46	17.77	20.50	19.93	12.18	12.27	17.26	16.31	9.32
14	16.82	19.32	13.88	15.11	17.68	20.44	20.14	11.87	12.40	17.01	15.90	9.41
15	16.69	19.04	14.32	---	17.23	20.28	20.38	11.84	14.17	16.74	15.38	9.24
16	16.21	18.53	15.06	13.84	17.33	20.10	20.65	12.20	16.83	16.23	14.99	9.03
17	15.42	17.44	15.64	13.14	18.10	19.92	20.86	12.11	17.55	15.40	14.50	9.19
18	14.58	16.39	15.54	12.61	18.63	19.63	20.89	12.31	17.55	14.30	13.47	9.25
19	13.73	16.20	15.42	12.35	19.03	19.17	20.85	12.27	17.35	13.19	12.31	8.91
20	12.90	16.36	15.34	12.01	19.26	18.59	20.78	12.56	17.37	12.67	11.59	8.61
21	12.17	16.43	14.99	11.68	19.47	18.24	20.65	14.20	17.80	12.88	11.32	8.46
22	11.58	16.05	14.87	---	19.74	18.20	20.43	15.11	18.21	12.59	10.75	8.64
23	11.13	15.40	15.06	10.93	20.05	18.17	19.74	15.34	18.11	12.36	10.42	9.56
24	11.45	14.71	17.75	10.80	20.38	17.99	17.43	15.38	17.57	13.09	10.70	9.87
25	11.92	14.06	19.02	10.92	20.96	17.51	15.16	15.29	16.62	14.08	11.26	9.19
26	12.93	13.45	18.97	11.14	21.37	16.68	13.86	14.69	15.32	13.19	11.17	9.02
27	14.67	12.81	19.01	11.20	21.54	15.81	13.32	14.20	14.07	12.32	10.56	9.14
28	15.29	12.28	19.30	11.17	21.50	15.07	15.13	13.39	14.14	11.97	9.96	8.82
29	15.81	12.20	19.57	11.03	---	14.62	16.56	12.62	13.65	11.34	9.92	8.46
30	16.91	12.17	19.76	10.79	---	14.39	17.27	12.76	13.10	10.74	10.10	8.26
31	18.42	---	19.91	10.92	---	14.18	---	12.11	---	10.27	10.44	---
MAX	---	20.21	19.91	---	21.54	---	20.89	18.65	18.21	19.72	16.31	12.24
MIN	---	12.17	10.46	---	12.56	---	11.84	11.84	10.27	10.27	9.92	8.26

02491500 BOGUE CHITTO AT FRANKLINTON, LA

LOCATION.--Lat 30°50'34", long 90°09'43", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ 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 NGVD of 1929. August 1928 to September 1931, nonrecording gage at site about 0.2 mi downstream. October 1938 to September 1957, nonrecording gage; February to September 1975 and since July 1976 water-stage recorder at present site. Prior to September 1931 at datum 2.00 ft higher; October 1938 to September 1957 and February to September 1975 at datum 1.00 ft higher.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,640 ft³/s, Feb. 24; maximum gage height, 18.38 ft, Feb. 24; minimum gage height, 0.09 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.75	7.47	0.75	2.48	1.54	4.19	0.95	0.58	0.35	8.47	0.66	0.39
2	1.97	4.32	0.70	3.05	1.18	3.24	0.93	0.56	0.34	6.21	1.00	0.39
3	5.40	2.58	0.69	2.66	0.95	---	0.92	0.54	0.46	4.79	0.74	0.34
4	12.03	2.85	0.83	1.96	0.87	---	0.91	0.53	0.71	3.96	0.82	0.30
5	9.20	6.43	1.82	1.60	0.76	---	0.90	0.51	0.54	3.56	0.90	0.34
6	6.67	10.39	2.18	1.37	0.89	3.01	0.91	0.49	0.46	4.76	0.54	0.36
7	5.24	8.71	2.17	1.20	3.79	4.58	1.75	0.47	0.55	2.76	0.54	0.27
8	3.19	6.59	1.53	1.09	4.60	3.02	6.72	0.46	0.59	1.99	0.47	0.23
9	2.46	4.45	1.18	1.03	3.86	2.38	7.06	0.44	0.55	2.74	0.41	0.20
10	2.13	2.83	1.36	0.99	2.96	2.04	2.77	0.42	0.46	1.79	0.37	0.18
11	1.93	2.71	1.55	0.93	2.61	1.78	1.97	0.41	0.40	1.46	0.34	0.18
12	1.99	3.16	1.30	0.88	2.58	1.64	1.62	0.41	0.41	2.14	0.33	0.17
13	2.31	2.40	1.46	0.84	1.94	3.39	1.38	0.40	0.74	1.51	0.34	0.26
14	1.63	---	1.63	0.81	1.53	4.32	---	0.46	1.41	1.17	0.52	0.40
15	1.27	---	2.02	0.79	1.56	3.23	---	0.48	2.55	0.97	0.42	0.30
16	1.08	---	1.67	0.77	4.53	3.40	---	0.50	3.00	0.84	0.35	0.31
17	0.94	---	1.31	0.73	5.15	3.11	---	0.48	2.26	0.76	0.35	0.22
18	0.84	---	1.13	0.70	4.56	2.49	---	0.61	2.13	0.77	0.29	0.17
19	0.75	1.09	1.03	0.68	4.33	2.75	---	0.57	1.45	0.69	0.28	0.14
20	0.68	1.13	1.01	0.68	2.59	3.55	---	0.67	1.13	0.82	0.39	0.12
21	0.63	1.29	1.14	0.68	4.27	3.27	---	0.76	1.61	1.12	0.50	0.15
22	0.59	1.11	1.24	0.68	12.60	2.46	---	0.61	1.93	0.80	0.34	0.71
23	0.57	0.98	1.40	0.64	16.02	1.88	---	0.48	1.35	2.77	0.34	0.86
24	0.53	0.91	4.28	0.61	17.31	1.61	---	0.41	1.05	3.75	0.27	0.38
25	0.58	0.86	4.22	0.60	10.29	1.45	---	0.39	0.85	2.10	0.26	0.26
26	4.89	0.83	3.61	0.61	5.27	1.33	---	0.67	0.75	1.34	0.24	0.21
27	4.28	0.78	2.86	0.63	6.64	1.26	---	1.00	1.52	1.04	0.22	0.19
28	6.15	0.75	2.00	0.61	5.04	1.20	0.66	0.54	1.47	0.79	0.20	0.17
29	5.40	0.71	1.62	0.61	---	1.12	0.63	0.61	0.91	0.71	0.19	0.13
30	8.64	0.74	1.41	0.92	---	1.05	0.60	0.48	2.65	0.93	0.31	0.10
31	9.71	---	1.74	1.37	---	0.99	---	0.39	---	0.71	0.39	---
MAX	12.03	---	4.28	3.05	17.31	---	---	1.00	3.00	8.47	1.00	0.86
MIN	0.53	---	0.69	0.60	0.76	---	---	0.39	0.34	0.69	0.19	0.10

02492000 BOGUE CHITTO NEAR BUSH, LA

LOCATION.--Lat 30°37'45", long 89°53'50", in SE ¼ NE ¼ 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 NGVD of 1929 (levels by Corps of Engineers). Prior to July 22, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Satellite telemetry at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 5	1820	22,800	12.95	Feb 25	0800	*40,900	*15.32
Nov 1	1930	12,800	11.47	Apr 10	1030	13,400	11.48
Nov 8	0530	14,400	11.67	Jul 2	1500	20,000	12.56

Minimum discharge, 794 ft³/s, Sept. 30, gage height, 3.44 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,100	12,000	1,250	2,880	1,390	6,530	1,480	1,150	952	9,060	1,400	1,100
2	4,130	11,200	1,240	3,110	1,500	4,890	1,440	1,130	926	18,500	1,390	1,090
3	4,250	6,210	1,200	3,140	1,470	3,760	1,420	1,110	940	15,100	1,580	1,050
4	10,800	3,030	1,250	2,740	1,300	3,150	1,410	1,090	1,010	10,600	1,400	977
5	21,600	2,850	1,590	2,220	1,250	2,890	1,390	1,070	1,090	7,970	1,400	938
6	18,700	4,980	2,200	1,910	1,200	2,750	1,410	1,050	1,030	6,730	1,400	940
7	11,300	10,500	2,300	1,710	1,600	3,420	1,470	1,040	1,030	7,460	1,260	937
8	7,140	13,700	2,150	1,580	3,240	5,200	3,230	1,030	1,170	5,830	1,190	896
9	4,030	10,400	1,750	1,490	4,070	4,860	7,580	1,010	1,110	3,580	1,110	887
10	2,960	6,520	1,600	1,430	3,630	3,400	12,200	996	1,040	3,280	1,060	940
11	2,680	4,690	1,830	1,370	2,820	2,760	6,420	984	982	2,520	1,020	881
12	2,290	6,570	1,840	1,320	2,460	2,410	3,110	973	966	2,460	994	853
13	2,100	5,020	1,720	1,280	2,320	2,640	2,300	968	1,050	2,750	987	864
14	2,040	3,310	1,820	1,240	1,920	4,260	1,990	984	1,680	2,150	1,000	1,030
15	1,620	2,470	1,880	1,210	1,680	5,260	1,820	1,010	2,980	1,780	1,060	1,060
16	1,360	2,180	2,000	1,190	2,380	4,240	1,740	1,010	3,630	1,620	1,010	951
17	1,200	2,020	1,770	1,170	4,250	3,840	1,780	1,010	3,460	1,500	1,130	914
18	1,090	1,810	1,560	1,140	5,300	3,650	1,850	1,020	3,050	1,460	1,050	863
19	1,020	1,670	1,470	1,120	4,750	3,180	1,830	1,070	2,570	1,410	965	834
20	953	1,620	1,450	1,110	4,240	3,250	1,760	1,060	2,020	1,840	942	817
21	905	1,770	1,420	1,100	3,260	3,570	1,680	1,180	1,740	1,890	1,070	822
22	873	1,780	1,480	1,100	5,000	3,370	1,590	1,240	2,260	1,770	1,150	919
23	854	1,600	1,530	1,090	16,400	2,720	1,460	1,110	2,290	1,650	1,030	1,260
24	835	1,480	3,980	1,060	28,900	2,250	1,320	1,010	1,790	3,790	989	1,240
25	817	1,400	8,930	1,040	38,000	2,020	1,460	965	1,530	5,180	934	997
26	1,230	1,350	8,360	1,040	18,700	1,880	1,630	967	1,360	3,120	913	910
27	3,590	1,300	5,230	1,050	8,270	1,800	1,430	1,330	1,600	2,040	894	877
28	4,790	1,260	3,460	1,060	7,100	1,740	1,290	1,450	2,580	1,700	877	850
29	6,260	1,230	2,470	1,050	---	1,670	1,220	1,140	3,020	1,480	872	824
30	7,210	1,220	2,060	1,040	---	1,600	1,180	1,100	2,640	1,590	885	800
31	8,280	---	2,190	1,120	---	1,530	---	1,010	---	1,660	1,020	---
TOTAL	148,007	127,140	74,980	46,110	178,400	100,490	71,890	33,267	53,496	133,470	33,982	28,321
MEAN	4,774	4,238	2,419	1,487	6,371	3,242	2,396	1,073	1,783	4,305	1,096	944
MAX	21,600	13,700	8,930	3,140	38,000	6,530	12,200	1,450	3,630	18,500	1,580	1,260
MIN	817	1,220	1,200	1,040	1,200	1,530	1,180	965	926	1,410	872	800
CFSM	3.94	3.49	1.99	1.23	5.25	2.67	1.98	0.88	1.47	3.55	0.90	0.78
IN.	4.54	3.90	2.30	1.41	5.47	3.08	2.20	1.02	1.64	4.09	1.04	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	986	4,774	(2003)	422	(1969)	1,261	4,298	(1962)	484	(1970)	2,137	7,751	(1962)	689	(1940)
						2,890	10,020	(1998)	703	(1956)	3,440	10,240	(1966)	807	(2000)
						3,353	9,284	(1943)	892	(2000)	3,205	14,640	(1983)	722	(1963)
						2,062	8,770	(1991)	574	(2000)	1,428	5,387	(1975)	534	(2000)
						1,276	4,305	(2003)	451	(2000)	1,141	3,024	(1953)	405	(2000)
						1,058	3,140	(2002)	493	(2000)					

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	828,022		1,029,553			
ANNUAL MEAN	2,269		2,821		2,012	
HIGHEST ANNUAL MEAN					3,697	1983
LOWEST ANNUAL MEAN					730	2000
HIGHEST DAILY MEAN	22,600	Sep 29	38,000	Feb 25	126,000	Apr 8, 1983
LOWEST DAILY MEAN	591	Sep 20	800	Sep 30	369	Oct 26, 1968
ANNUAL SEVEN-DAY MINIMUM	605	Sep 14	874	Sep 16	382	Oct 25, 1968
MAXIMUM PEAK FLOW			40,900	Feb 25	132,000	Apr 8, 1983
MAXIMUM PEAK STAGE			15.32	Feb 25	21.22	Apr 8, 1983
INSTANTANEOUS LOW FLOW			794	Sep 30	a366	Oct 22, 1968
ANNUAL RUNOFF (CFSM)	1.87		2.33		1.66	
ANNUAL RUNOFF (INCHES)	25.39		31.57		22.54	
10 PERCENT EXCEEDS	4,730		5,980		3,830	
50 PERCENT EXCEEDS	1,290		1,580		1,140	
90 PERCENT EXCEEDS	674		953		643	

a Also occurred Oct 23, 26, 29, 1968.

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.11	11.33	4.52	7.36	4.81	10.50	5.00	4.29	3.83	10.47	4.83	4.17
2	8.92	11.19	4.49	7.65	5.04	9.70	4.92	4.25	3.77	12.32	4.82	4.16
3	8.65	10.01	4.41	7.69	4.98	8.87	4.88	4.20	3.81	11.77	5.20	4.07
4	11.03	8.15	4.51	7.18	4.63	8.23	4.84	4.15	3.96	10.94	4.84	3.89
5	12.79	7.95	5.21	6.36	4.52	7.88	4.82	4.11	4.17	10.33	4.84	3.80
6	12.36	9.55	6.33	5.82	4.41	7.68	4.84	4.07	4.02	10.00	4.83	3.81
7	11.19	11.04	6.51	5.46	5.21	8.42	4.98	4.04	4.02	10.21	4.53	3.80
8	10.35	11.55	6.24	5.20	7.77	9.73	7.53	4.02	4.33	9.59	4.39	3.70
9	9.00	10.88	5.53	5.01	8.56	9.49	10.15	3.98	4.22	8.13	4.21	3.67
10	8.13	9.84	5.23	4.89	8.23	8.36	11.27	3.94	4.05	7.86	4.09	3.81
11	7.78	8.99	5.68	4.76	7.28	7.57	9.71	3.91	3.91	6.85	3.99	3.66
12	7.16	9.93	5.69	4.66	6.78	7.03	7.63	3.88	3.87	6.75	3.94	3.59
13	6.84	9.18	5.47	4.58	6.54	7.32	6.51	3.87	4.07	7.19	3.92	3.62
14	6.72	7.87	5.66	4.50	5.84	8.98	5.96	3.91	5.36	6.24	3.95	4.03
15	5.95	6.79	5.76	4.44	5.40	9.60	5.65	3.97	7.47	5.59	4.09	4.09
16	5.42	6.30	5.99	4.39	6.58	8.93	5.51	3.97	8.24	5.28	3.96	3.83
17	5.09	6.02	5.56	4.34	8.68	8.64	5.57	3.97	8.06	5.04	4.24	3.74
18	4.84	5.63	5.16	4.28	9.36	8.45	5.70	3.99	7.58	4.95	4.08	3.62
19	4.67	5.37	4.97	4.24	9.06	7.91	5.68	4.12	6.93	4.84	3.87	3.54
20	4.52	5.28	4.93	4.20	8.69	7.97	5.55	4.09	6.01	5.65	3.81	3.50
21	4.40	5.55	4.86	4.19	7.83	8.29	5.39	4.36	5.51	5.78	4.11	3.51
22	4.32	5.58	4.99	4.18	---	8.05	5.21	4.49	6.43	5.56	4.29	3.75
23	4.27	5.23	5.09	4.16	11.95	7.22	4.96	4.20	6.48	5.33	4.02	4.52
24	4.22	4.99	8.18	4.09	13.80	6.46	4.66	3.98	5.60	8.20	3.92	4.49
25	4.18	4.83	10.56	4.04	15.00	6.04	4.94	3.87	5.09	9.28	3.79	3.94
26	5.10	4.72	10.42	4.03	12.90	5.77	5.29	3.87	4.74	7.60	3.74	3.73
27	8.62	4.63	9.29	4.06	11.03	5.62	4.89	4.67	5.21	6.05	3.69	3.65
28	9.50	4.54	8.02	4.09	10.73	5.50	4.60	4.93	6.89	5.43	3.65	3.58
29	10.12	4.46	6.78	4.07	---	5.38	4.45	4.27	7.53	4.99	3.64	3.52
30	10.41	4.46	6.09	4.05	---	5.24	4.35	4.18	6.95	5.21	3.67	3.46
31	10.64	---	6.31	4.22	---	5.11	---	3.97	---	5.35	3.99	---
MAX	12.79	11.55	10.56	7.69	---	10.50	11.27	4.93	8.24	12.32	5.20	4.52
MIN	4.18	4.46	4.41	4.03	---	5.11	4.35	3.87	3.77	4.84	3.64	3.46

02492600 PEARL RIVER AT PEARL RIVER, LA

LOCATION.--Lat 30°23'06", long 89°44'12", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ 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. Daily discharge records October 1961 to September 1963 and gage heights only October 1970 to September 1975 in files of Corps of Engineers, Mobile District. Gage-height records since June 1906 are in reports of National Weather Service and gage-height records October 1899 to May 1906 (collected by Southern Railway System) are in files of National Weather Service, Meridian, Miss.

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

GAGE.--Water-stage recorder. Datum of gage is 0.05 ft. below NGVD of 1929 (levels by Corps of Engineers, Mobile District). Prior to September 1970, supplemental gage located on East Pearl River at different datum for the determination of daily mean discharge for the entire flood plain.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99,300 ft³/s, Feb. 27; gage height, 17.78 ft, Feb. 27; minimum gage height, 5.69 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.54	13.69	8.74	14.87	7.77	17.72	10.15	11.25	8.36	13.31	7.85	7.29
2	15.18	14.36	8.64	15.10	8.27	17.67	9.92	11.77	7.88	14.45	7.65	7.56
3	14.90	14.88	8.43	15.18	9.38	17.54	9.64	12.09	7.51	15.78	7.86	7.66
4	15.25	15.02	8.14	15.12	10.30	17.43	9.36	12.29	7.22	16.18	7.95	7.60
5	15.65	14.97	7.92	14.95	10.62	17.34	9.07	12.44	7.19	15.99	7.74	7.55
6	16.26	14.97	8.21	14.73	10.61	17.26	8.79	12.60	7.27	15.41	7.95	7.57
7	16.37	15.13	8.99	14.55	10.46	17.20	8.73	12.74	7.51	14.82	8.19	7.67
8	15.93	15.49	9.64	14.43	10.42	17.19	10.45	12.82	8.03	14.46	8.10	7.95
9	15.32	15.89	10.16	14.23	10.95	17.27	12.13	12.74	8.19	14.29	8.31	8.01
10	14.80	15.96	10.81	13.84	11.69	17.24	13.39	12.21	8.02	14.05	8.63	7.78
11	14.14	16.00	11.00	13.22	12.15	17.02	14.57	11.05	7.54	13.80	9.03	7.50
12	13.32	16.23	10.81	12.47	12.35	16.75	14.70	9.80	7.44	13.36	9.70	7.18
13	12.61	16.36	10.62	11.79	12.47	16.58	14.42	8.92	7.94	12.88	10.40	6.77
14	12.20	16.03	10.36	11.26	12.60	16.48	14.45	8.43	8.25	12.61	11.04	6.98
15	12.08	15.35	10.19	10.86	12.64	16.43	14.73	8.12	8.79	12.43	11.11	7.07
16	11.93	14.63	10.23	10.52	12.67	16.34	15.12	7.95	9.79	12.13	10.81	6.77
17	11.70	14.09	10.55	10.11	12.71	16.12	15.58	8.01	11.01	11.78	10.50	6.39
18	11.30	13.57	10.90	9.65	13.02	15.78	16.09	8.07	12.06	11.31	10.30	6.25
19	10.74	12.79	11.12	9.19	13.48	15.36	16.45	8.08	12.48	10.69	9.80	6.23
20	10.13	12.14	11.32	8.86	13.81	14.82	16.55	8.18	12.49	10.01	8.98	6.06
21	9.50	12.15	11.23	8.61	14.22	14.26	16.49	8.31	12.34	9.78	8.28	5.90
22	8.90	12.11	11.05	8.36	14.69	13.79	16.33	9.12	12.39	9.57	8.07	5.99
23	8.41	11.93	10.85	8.10	15.06	13.49	16.06	9.77	12.73	9.47	7.77	6.33
24	8.02	11.57	11.13	7.86	15.70	13.27	15.57	10.07	12.89	9.56	7.32	6.80
25	7.88	11.07	12.46	7.65	16.65	13.08	14.39	10.18	12.74	10.14	7.19	6.96
26	8.64	10.55	14.04	7.59	17.36	12.85	12.49	10.22	12.26	10.81	7.35	6.58
27	9.46	10.05	14.74	7.70	17.72	12.47	10.89	10.24	11.56	10.53	7.46	6.26
28	11.04	9.57	14.60	7.78	17.73	11.88	9.81	10.11	11.20	9.57	7.26	6.19
29	12.28	9.11	14.24	7.79	---	11.23	9.68	9.66	11.05	8.89	6.90	6.02
30	13.10	8.83	14.15	7.74	---	10.71	10.45	8.94	11.50	8.65	6.74	5.79
31	13.43	---	14.45	7.64	---	10.37	---	8.61	---	8.32	6.96	---
MAX	16.37	16.36	14.74	15.18	17.73	17.72	16.55	12.82	12.89	16.18	11.11	8.01
MIN	7.88	8.83	7.92	7.59	7.77	10.37	8.73	7.95	7.19	8.32	6.74	5.79

3007220891501 MISSISSIPPI SOUND AT GRAND PASS, LA

LOCATION.--Lat 30°07'22", long 89°15'01", Sec. 12, T.11 S., R. 19 E., St. Bernard Parish, Hydrologic Unit 08090203, on a U.S. Coast Guard Navigational Aid structure, located in Grand Pass nr Oyster Bay, and 12 miles southeast of Waveland, MS.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is assumed.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 6.78 ft, Sep. 13, 2001; minimum recorded gage height, 1.42 ft, Dec. 22, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.44 ft, Sept. 22; minimum gage height, 1.42 ft, Dec. 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

3007220891501 MISSISSIPPI SOUND AT GRAND PASS, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4.56	2.77	3.58	5.24	3.90	4.52	---	---	---	---	---	---
2	4.84	2.76	3.62	5.04	3.49	4.15	---	---	---	5.18	3.83	4.60
3	4.84	3.29	4.01	5.20	4.15	4.60	---	---	---	5.26	3.65	4.52
4	4.82	3.02	3.83	5.65	4.54	4.96	---	---	---	5.54	3.66	4.63
5	4.35	3.51	3.94	4.98	4.35	4.57	---	---	---	5.73	4.08	4.84
6	4.79	3.95	4.41	4.55	4.41	4.47	---	---	---	5.70	4.04	4.89
7	4.20	3.38	3.87	5.17	3.79	4.66	---	---	---	5.52	4.10	4.88
8	4.23	3.43	3.76	5.09	3.80	4.62	---	---	---	5.55	3.93	4.88
9	4.72	3.34	4.14	4.72	3.69	4.38	---	---	---	5.23	4.18	4.81
10	4.36	3.34	3.88	4.84	3.56	4.25	---	---	---	5.02	4.33	4.74
11	4.76	3.12	3.92	5.01	3.18	4.06	---	---	---	4.68	4.28	4.44
12	4.32	3.27	3.79	5.14	3.41	4.38	---	---	---	4.76	4.22	4.44
13	4.87	3.05	3.99	5.53	3.20	4.48	---	---	---	5.06	3.98	4.46
14	5.33	3.01	4.00	5.26	3.50	4.55	---	---	---	4.91	3.68	4.35
15	5.41	3.48	4.39	5.28	3.56	4.42	---	---	---	5.27	3.22	4.30
16	5.38	3.71	4.30	6.30	3.82	5.04	---	---	---	5.29	3.20	4.27
17	4.71	2.72	3.63	6.28	4.07	4.96	---	---	---	5.68	3.06	4.37
18	4.71	2.99	3.65	5.86	4.45	5.11	---	---	---	5.37	3.06	4.23
19	4.47	3.58	3.94	5.86	4.60	5.13	---	---	---	5.74	3.11	4.49
20	4.21	3.82	3.99	5.25	4.06	4.78	---	---	---	5.61	3.57	4.56
21	5.37	3.85	4.67	4.94	3.20	4.17	---	---	---	5.60	3.81	4.69
22	4.91	2.30	4.23	5.04	3.04	4.20	---	---	---	5.10	3.93	4.60
23	5.00	2.51	4.10	4.86	3.04	4.02	---	---	---	4.87	4.20	4.54
24	4.74	3.06	3.90	4.76	2.97	3.92	---	---	---	4.90	4.28	4.57
25	5.01	3.05	4.02	4.74	2.68	3.82	---	---	---	4.41	4.06	4.27
26	5.47	3.26	4.40	5.06	2.98	3.89	---	---	---	4.59	3.68	4.19
27	5.40	3.42	4.39	---	---	---	---	---	---	4.89	3.70	4.37
28	5.26	3.35	4.24	---	---	---	---	---	---	4.84	3.41	4.17
29	---	---	---	---	---	---	---	---	---	4.74	3.05	3.86
30	---	---	---	---	---	---	---	---	---	4.56	2.84	3.75
31	---	---	---	---	---	---	---	---	---	4.48	2.67	3.60
MONTH	5.47	2.30	4.02	---	---	---	---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4.46	2.67	3.60	---	---	---	4.82	3.36	4.16	6.16	4.83	5.50
2	4.83	2.86	3.94	---	---	---	4.66	3.52	4.19	6.09	4.51	5.29
3	4.91	2.97	4.03	---	---	---	4.43	3.92	4.31	6.12	4.49	5.26
4	5.25	2.99	4.24	---	---	---	4.74	3.96	4.28	6.21	4.15	5.21
5	5.20	3.36	4.49	---	---	---	4.68	3.49	4.12	6.24	4.23	5.32
6	5.46	3.76	4.49	---	---	---	4.99	3.11	4.06	6.39	4.27	5.38
7	4.72	3.58	4.24	---	---	---	4.93	2.90	3.94	6.28	4.46	5.35
8	4.51	3.70	4.18	---	---	---	5.33	3.13	4.29	6.16	4.39	5.30
9	4.36	3.67	3.99	---	---	---	5.61	3.36	4.50	5.97	4.39	5.22
10	4.33	3.24	3.80	---	---	---	5.55	3.45	4.51	5.61	4.57	5.09
11	4.49	2.65	3.67	---	---	---	5.53	3.53	4.47	5.47	4.82	5.11
12	4.78	2.59	3.74	---	---	---	5.73	3.65	4.77	5.47	5.01	5.21
13	4.87	2.66	3.81	---	---	---	5.45	3.90	4.57	5.53	4.98	5.22
14	5.16	2.53	3.95	---	---	---	5.31	4.00	4.63	5.54	4.64	5.06
15	4.99	2.47	3.86	---	---	---	5.88	4.00	5.04	5.53	4.72	5.02
16	4.83	2.47	3.80	---	---	---	5.09	4.55	4.87	5.73	4.75	5.17
17	5.15	2.60	3.99	---	---	---	5.06	4.38	4.75	5.57	4.54	5.04
18	4.67	3.06	3.91	5.06	3.63	4.60	4.94	4.24	4.58	5.66	4.53	5.09
19	4.51	3.18	3.83	4.66	4.05	4.35	5.06	3.97	4.46	5.65	4.03	4.85
20	---	---	---	4.63	4.00	4.38	5.00	4.04	4.54	5.40	4.24	4.83
21	---	---	---	4.49	3.78	4.11	5.44	4.32	4.87	6.21	4.53	5.45
22	---	---	---	4.63	3.27	3.90	5.84	4.47	5.18	6.44	4.38	5.35
23	---	---	---	4.63	3.06	3.92	6.05	4.40	5.26	5.96	4.44	5.27
24	---	---	---	5.14	3.40	4.29	6.04	4.17	5.15	6.11	4.76	5.38
25	---	---	---	5.31	3.48	4.40	5.87	4.08	5.01	6.38	4.98	5.63
26	---	---	---	5.46	3.54	4.51	5.73	4.00	4.86	5.91	5.39	5.68
27	---	---	---	5.43	3.54	4.47	5.90	4.20	5.04	5.86	4.89	5.40
28	---	---	---	5.48	3.38	4.47	5.58	4.32	4.99	5.67	4.48	5.01
29	---	---	---	5.39	3.37	4.36	5.89	4.70	5.46	5.58	4.65	5.09
30	---	---	---	5.32	3.28	4.37	5.93	5.19	5.53	6.02	4.64	5.25
31	---	---	---	5.10	3.30	4.21	6.25	5.41	5.78	---	---	---
MONTH	---	---	---	---	---	---	6.25	2.90	4.72	6.44	4.03	5.23

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

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

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

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
OCT 17...	1100	303,000	84	215	76,000
NOV 06...	1100	389,000	--	--	--
DEC 05...	1000	325,000	67	189	158,000
19...	1000	318,000	66	167	104,000
JAN 09...	1315	702,000	58	257	439,000
21...	1015	434,000	74	280	329,000
FEB 03...	1100	265,000	35	206	148,000
20...	1100	435,000	67	330	387,000
MAR 03...	1200	1,010,000	62	422	1,080,000
31...	1230	697,000	68	211	407,000
APR 03...	0930	561,000	74	210	319,000
18...	1030	450,000	78	309	378,000
MAY 08...	1030	457,000	77	189	234,000
23...	1500	870,000	74	275	647,000
JUN 19...	1200	640,000	81	224	388,000
JUL 17...	1009	367,000	81	260	199,000
AUG 07...	1030	394,000	79	165	175,000
SEP 21...	1100	302,000	86	244	205,000

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS—Continued

SUSPENDED SEDIMENT LOAD, TONS PER DAY
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124,000	179,000	162,000	530,000	161,000	1,076,000	328,000	270,000	760,000	386,000	184,000	108,000
2	125,000	169,000	157,000	522,000	155,000	1,104,000	325,000	261,000	761,000	368,000	182,000	107,000
3	135,000	164,000	153,000	530,000	147,000	1,130,000	318,000	255,000	760,000	356,000	184,000	108,000
4	154,000	159,000	151,000	522,000	143,000	1,106,000	316,000	253,000	755,000	341,000	186,000	109,000
5	183,000	179,000	157,000	504,000	139,000	1,088,000	311,000	249,000	720,000	322,000	184,000	109,000
6	202,000	211,000	168,000	499,000	131,000	1,062,000	305,000	243,000	680,000	296,000	179,000	108,000
7	210,000	219,000	165,000	495,000	130,000	1,038,000	298,000	236,000	632,000	267,000	173,000	110,000
8	206,000	224,000	160,000	481,000	138,000	1,011,000	318,000	233,000	578,000	248,000	174,000	120,000
9	204,000	224,000	155,000	480,000	145,000	967,000	328,000	241,000	543,000	235,000	170,000	129,000
10	200,000	226,000	148,000	477,000	154,000	933,000	328,000	261,000	504,000	225,000	166,000	149,000
11	198,000	229,000	145,000	470,000	168,000	881,000	329,000	280,000	433,000	211,000	164,000	178,000
12	197,000	223,000	139,000	469,000	179,000	810,000	326,000	312,000	394,000	209,000	162,000	210,000
13	194,000	215,000	135,000	471,000	193,000	761,000	321,000	349,000	371,000	200,000	161,000	246,000
14	191,000	200,000	140,000	434,000	210,000	724,000	324,000	385,000	356,000	201,000	162,000	268,000
15	189,000	193,000	138,000	432,000	227,000	673,000	329,000	420,000	348,000	198,000	163,000	289,000
16	182,000	193,000	136,000	421,000	273,000	625,000	320,000	451,000	351,000	196,000	164,000	308,000
17	176,000	198,000	138,000	407,000	300,000	577,000	345,000	481,000	353,000	198,000	162,000	303,000
18	170,000	212,000	141,000	389,000	327,000	528,000	376,000	515,000	371,000	212,000	161,000	284,000
19	169,000	213,000	143,000	372,000	361,000	473,000	389,000	547,000	387,000	214,000	159,000	274,000
20	173,000	219,000	154,000	350,000	387,000	435,000	412,000	572,000	403,000	227,000	155,000	241,000
21	178,000	234,000	173,000	328,000	434,000	396,000	420,000	591,000	428,000	243,000	152,000	223,000
22	193,000	233,000	206,000	305,000	632,000	581,000	420,000	622,000	437,000	250,000	151,000	205,000
23	201,000	230,000	249,000	281,000	741,000	865,000	421,000	646,000	443,000	253,000	150,000	174,000
24	197,000	223,000	303,000	256,000	810,000	357,000	422,000	664,000	442,000	254,000	146,000	153,000
25	195,000	214,000	362,000	234,000	864,000	350,000	418,000	686,000	437,000	246,000	140,000	139,000
26	197,000	205,000	421,000	213,000	932,000	340,000	401,000	703,000	428,000	238,000	134,000	126,000
27	196,000	198,000	467,000	194,000	1,002,000	338,000	368,000	720,000	418,000	228,000	123,000	119,000
28	197,000	186,000	500,000	181,000	1,047,000	336,000	335,000	737,000	410,000	210,000	119,000	112,000
29	209,000	178,000	520,000	168,000	---	334,000	613,000	749,000	408,000	205,000	117,000	109,000
30	210,000	169,000	532,000	164,000	---	332,000	280,000	754,000	397,000	194,000	115,000	109,000
31	191,000	---	528,000	165,000	---	331,000	---	758,000	---	188,000	112,000	---
TOTAL	5,746,000	6,119,000	7,246,000	11,743,000	10,530,000	20,862,000	10,460,000	14,444,000	14,714,000	7,633,000	4,856,000	5,227,000
MEAN	185,000	204,000	234,000	379,000	378,000	677,000	349,000	466,000	430,000	246,000	157,000	174,000
MAX	210,000	234,000	532,000	530,000	1,058,000	1,047,000	422,000	758,000	686,000	386,000	186,000	308,000
MIN	124,000	159,000	145,000	163,000	130,000	331,000	289,000	233,000	348,000	188,000	112,000	107,000

Results were revised 2013
 Please refer to USGS Scientific Investigations Report 2013-118-514
<https://doi.org/10.3133/sir2013-118-514>
 Please direct inquiries to:
 gs-w-lmg_mssediment@usgs.gov

07344370 RED RIVER AT SPRING BANK, AR

LOCATION.--Lat. 33°04'50", Long. 93°51'42", in SW ¼ NW ¼ sec.24, T.19 S., R.27 W., Lafayette County, near right bank on downstream side of bridge on State highway 160, 0.1 mi downstream from Sulphur river, 4.5 mi upstream from Arkansas-Louisiana State line, and 2.5 mi east of intersection of U.S. Highway 71 and State Highway 160 at Doddridge, AR.

PERIOD OF RECORD.--October 1, 1995 to July 10, 1996 daily observer record. July 11, 1998 to current year.

GAGE.--Water-stage recorder. Prior to July 11, 1998, observer record of daily readings only.

REMARKS.--Records fair. Datum of gage not determined. Satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,100	13,700	2,860	36,200	10,900	37,300	13,400	4,740	6,740	6,870	4,180	4,520
2	3,030	13,100	2,520	38,500	8,710	42,200	12,300	3,750	5,730	12,200	4,850	5,160
3	2,930	11,700	2,410	44,800	7,460	46,500	10,600	3,390	4,790	13,900	5,070	6,010
4	2,980	11,200	3,050	52,300	7,720	46,900	7,930	3,660	4,300	11,200	4,200	7,410
5	3,340	11,800	3,740	51,000	8,430	43,900	6,770	3,870	3,980	8,480	4,010	10,300
6	3,610	12,800	3,720	45,600	8,550	41,300	6,250	3,580	3,690	6,520	4,780	11,400
7	3,320	14,200	4,150	41,700	7,570	38,800	5,970	4,260	3,710	5,670	5,170	10,200
8	2,950	14,300	4,350	40,000	7,300	33,800	5,820	5,510	3,740	5,730	6,690	9,420
9	3,570	14,000	4,380	39,500	7,290	30,600	5,540	7,500	4,380	5,360	7,000	7,990
10	5,130	12,600	4,710	37,500	8,830	28,900	5,800	9,680	5,480	5,800	6,150	6,140
11	5,550	11,300	6,640	32,000	9,910	27,100	5,700	9,390	5,650	7,040	6,180	5,290
12	5,550	10,400	8,730	27,200	9,240	24,500	5,740	8,540	5,640	7,230	7,260	4,990
13	5,520	9,350	9,240	24,500	8,340	22,200	6,460	7,710	5,630	6,800	7,650	4,700
14	5,370	7,970	9,110	23,600	8,430	21,600	6,400	6,570	4,880	6,750	7,620	4,420
15	5,570	6,620	8,460	23,200	9,840	21,000	6,110	7,750	4,610	6,410	7,020	4,270
16	5,190	5,910	9,960	21,800	12,000	17,600	6,110	8,910	4,800	5,790	6,020	4,830
17	4,600	6,120	11,700	20,400	13,700	16,600	5,660	11,400	5,440	5,960	4,610	7,030
18	4,060	6,100	13,400	17,500	13,700	16,700	5,210	13,000	8,840	5,820	4,210	7,050
19	4,010	5,190	14,500	14,600	14,400	18,500	4,460	12,000	13,400	5,420	4,550	5,300
20	4,340	4,150	13,300	12,500	19,400	20,600	3,820	12,500	13,800	5,110	5,370	4,580
21	4,660	3,900	11,800	10,500	21,000	24,000	3,550	14,900	12,800	5,550	5,410	4,020
22	5,870	3,760	10,900	9,920	25,500	27,000	3,320	14,100	11,800	5,720	5,400	3,590
23	11,700	3,530	11,800	10,800	28,200	27,300	3,250	13,100	10,900	5,630	5,540	3,380
24	20,100	3,140	16,100	10,800	31,500	27,700	3,430	10,200	10,200	6,180	5,010	3,300
25	24,000	2,830	17,000	9,430	35,900	26,500	3,520	7,880	10,200	6,490	4,840	3,160
26	19,900	2,740	21,400	8,200	39,200	23,600	3,610	7,790	10,900	6,610	6,120	3,560
27	17,100	3,020	24,400	7,630	38,000	22,400	3,770	7,490	11,400	6,350	6,470	3,790
28	15,000	3,290	30,300	9,450	36,100	22,900	3,670	7,110	8,630	5,640	5,820	3,360
29	13,900	3,330	34,300	12,700	---	22,500	3,560	6,880	6,560	5,040	5,810	2,850
30	13,600	3,180	32,700	12,600	---	18,900	4,440	6,060	5,560	4,600	5,900	2,940
31	13,400	---	32,700	11,700	---	15,400	---	6,360	---	4,370	4,870	---
TOTAL	242,950	235,230	384,330	758,130	457,120	854,800	172,170	249,580	218,180	206,240	173,780	164,960
MEAN	7,837	7,841	12,400	24,460	16,330	27,570	5,739	8,051	7,273	6,653	5,606	5,499
MAX	24,000	14,300	34,300	52,300	39,200	46,900	13,400	14,900	13,800	13,900	7,650	11,400
MIN	2,930	2,740	2,410	7,630	7,290	15,400	3,250	3,390	3,690	4,370	4,010	2,850
AC-FT	481,900	466,600	762,300	1,504,000	906,700	1,695,000	341,500	495,000	432,800	409,100	344,700	327,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002	2003
MEAN	9,398	11,080	25,660	36,860	32,280	44,850
MAX	20,320	34,920	48,070	87,290	56,960	106,200
(WY)	(2002)	(2001)	(2002)	(1998)	(2001)	(2001)
MIN	2,518	2,183	6,406	4,203	5,312	11,020
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2003)

07344370 RED RIVER AT SPRING BANK, AR—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	9,796,610		4,117,470		21,420	
ANNUAL MEAN	26,840		11,280		34,790	
HIGHEST ANNUAL MEAN					10,730	
LOWEST ANNUAL MEAN					138,000	
HIGHEST DAILY MEAN	132,000	Apr 11	52,300	Jan 4	Mar 14, 2001	
LOWEST DAILY MEAN	2,410	Dec 3	e2,410	Dec 3	Nov 24, 1999	
ANNUAL SEVEN-DAY MINIMUM	2,940	Nov 27	2,940	Nov 27	2,070	
MAXIMUM PEAK FLOW			53,000	Jan 4	140,000	
MAXIMUM PEAK STAGE			25.19	Jan 4	34.05	
INSTANTANEOUS LOW FLOW			*		1,890	
INSTANTANEOUS LOW STAGE			*		Nov 24, 1999	
ANNUAL RUNOFF (AC-FT)	19,430,000		8,167,000		15,520,000	
10 PERCENT EXCEEDS	78,100		26,700		52,300	
50 PERCENT EXCEEDS	13,300		7,040		11,300	
90 PERCENT EXCEEDS	3,890		3,600		3,790	

e Estimated

* Not determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.27	16.92	12.18	22.26	15.98	22.42	16.64	13.13	14.32	14.36	13.02	13.21
2	12.21	16.71	---	22.70	15.15	23.33	16.26	12.56	13.84	16.40	13.39	13.55
3	12.14	16.27	---	23.80	14.64	24.08	15.66	12.33	13.36	16.97	13.51	13.98
4	12.18	16.10	12.30	25.06	14.75	24.15	14.63	12.50	13.09	16.06	13.03	14.61
5	12.45	16.29	12.75	24.84	15.05	23.62	14.14	12.63	12.90	15.06	12.91	15.76
6	12.64	16.62	12.74	23.96	15.09	23.17	13.90	12.46	12.72	14.22	13.35	16.14
7	12.43	17.07	13.00	23.27	14.69	22.70	13.76	12.87	12.74	13.81	13.56	15.73
8	12.16	17.11	13.11	22.98	14.57	21.73	13.69	13.55	12.75	13.84	14.29	15.44
9	12.60	17.00	13.13	22.89	14.57	21.06	13.55	14.48	13.13	13.66	14.44	14.86
10	13.54	16.54	13.31	22.51	15.20	20.69	13.68	15.39	13.72	13.87	14.05	14.04
11	13.75	16.12	14.27	21.43	15.62	20.29	13.63	15.29	13.81	14.46	14.06	13.62
12	13.75	15.78	15.16	20.41	15.36	19.70	13.65	14.97	13.80	14.54	14.55	13.46
13	13.74	15.41	15.36	19.81	15.01	19.12	13.99	14.64	13.79	14.35	14.72	13.31
14	13.66	14.85	15.31	19.59	15.04	18.97	13.97	14.15	13.40	14.33	14.71	13.15
15	13.76	14.27	15.06	19.51	15.57	18.81	13.83	14.68	13.26	14.17	14.45	13.07
16	13.57	13.93	15.64	19.16	16.34	17.92	13.83	15.17	13.36	13.87	13.98	13.37
17	13.26	14.03	16.25	18.80	16.87	17.62	13.61	16.11	13.69	13.96	13.26	14.45
18	12.95	14.02	16.81	18.02	16.86	17.64	13.38	16.65	15.19	13.89	13.04	14.46
19	12.92	13.57	17.15	17.18	17.06	18.15	12.98	16.35	16.81	13.69	13.23	13.62
20	13.11	13.00	16.80	16.52	18.49	18.73	12.60	16.49	16.95	13.53	13.66	13.24
21	13.29	12.85	16.30	15.83	18.90	19.57	12.43	17.28	16.63	13.75	13.68	12.92
22	13.89	12.77	15.99	15.62	19.99	20.28	12.28	17.05	16.29	13.84	13.68	12.66
23	16.21	12.62	16.26	15.95	20.58	20.35	12.24	16.70	15.96	13.80	13.75	12.53
24	18.71	12.37	17.64	15.94	21.28	20.44	12.36	15.73	15.73	14.06	13.47	12.47
25	19.68	12.15	17.90	15.44	22.15	20.15	12.42	14.82	15.74	14.21	13.38	12.38
26	18.69	12.09	19.05	14.95	22.79	19.47	12.48	14.78	15.99	14.26	14.03	12.64
27	17.91	12.28	19.79	14.72	22.57	19.18	12.57	14.65	16.14	14.14	14.20	12.79
28	17.31	12.47	21.09	15.43	22.19	19.31	12.51	14.49	15.12	13.80	13.89	12.51
29	16.98	12.50	21.90	16.59	---	19.20	12.44	14.39	14.23	13.49	13.88	12.17
30	16.88	12.40	21.57	16.57	---	18.25	12.96	14.00	13.76	13.25	13.92	12.23
31	16.83	---	21.57	16.26	---	17.25	---	14.14	---	13.13	13.40	---
MAX	19.68	17.11	21.90	25.06	22.79	24.15	16.64	17.28	16.95	16.97	14.72	16.14
MIN	12.14	12.09	---	14.72	14.57	17.25	12.24	12.33	12.72	13.13	12.91	12.17

07344480 CROSS LAKE AT SHREVEPORT, LA

LOCATION.--Lat 32°30'47", long 93°47'55", in NE ¼ SW ¼ sec.34, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140304. Located about 400 yards north of Shreveport Water and Sewage Treatment Plant on spillway guard structure.

DRAINAGE AREA.--253 mi².

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

REVISED RECORDS.--WDR LA-97-1: 1998-2002 : Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Satellite and telephone telemetry with rain gage at site. Capacity at spillway crest is 78,500 acre-ft. Prior to December 5, 2002, located on bottom floor of the pump intake building at southwest corner of Shreveport Water and Sewage Treatment Plant. Reservoir is used for drinking water, flood control, and conservation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 174.73 ft, Apr. 5, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 172.51 ft, Feb. 23, from floodmarks; minimum gage height, undetermined.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	168.63	168.64	170.89	170.64	170.86	170.79	170.46	170.67	171.08	170.99	170.39
2	---	168.47	168.67	171.11	170.64	170.92	170.77	170.47	170.69	171.08	170.96	170.44
3	---	168.50	168.70	170.92	170.65	170.85	170.75	170.47	170.68	171.08	170.94	170.41
4	---	168.49	---	170.91	170.61	170.79	170.75	170.49	170.66	171.08	170.90	170.38
5	---	168.73	---	170.92	---	170.82	170.73	170.50	170.65	171.08	170.87	170.33
6	---	168.75	---	170.92	---	170.83	170.87	170.50	170.75	171.09	170.83	170.29
7	---	168.72	169.11	170.93	170.68	170.83	171.12	170.53	170.77	171.08	170.78	170.26
8	---	168.69	169.13	170.94	170.68	170.85	171.01	170.53	170.78	171.09	170.74	170.22
9	---	168.69	169.17	170.94	170.71	170.85	170.86	170.54	170.77	171.15	170.70	170.19
10	---	168.69	169.19	170.92	170.75	170.84	170.81	170.55	170.78	171.18	170.66	170.16
11	---	168.65	169.17	170.90	170.77	170.85	170.82	170.54	170.80	171.17	170.66	170.13
12	---	168.63	169.20	170.88	170.78	170.85	170.82	170.53	170.80	171.17	170.92	170.13
13	---	168.60	169.45	170.88	170.78	---	170.81	170.53	170.88	171.16	170.97	170.15
14	---	168.57	169.50	170.87	170.81	---	170.80	170.56	170.91	171.16	170.95	170.12
15	---	168.59	169.56	170.84	---	170.75	170.76	170.74	170.97	171.15	170.93	170.08
16	---	168.57	169.57	170.89	---	170.76	170.76	170.79	170.99	171.16	170.91	170.04
17	---	168.53	169.57	170.83	---	170.75	170.73	170.84	171.06	171.16	170.89	170.00
18	---	168.51	169.59	170.81	---	170.81	170.70	170.83	171.11	171.15	170.85	169.98
19	168.65	168.57	169.70	170.79	170.91	171.06	170.68	170.82	171.15	171.14	170.82	169.95
20	168.68	168.59	169.85	170.78	170.83	171.14	170.68	170.81	171.14	171.14	170.78	169.91
21	168.65	168.45	169.98	170.77	171.00	170.97	170.67	170.78	171.11	171.14	170.74	169.91
22	168.63	168.42	170.08	170.75	---	170.98	170.63	170.75	171.09	171.12	170.70	169.96
23	168.61	168.42	170.17	170.72	---	170.95	170.59	170.73	171.08	171.11	170.67	169.94
24	168.59	168.43	170.53	170.69	---	170.95	170.60	170.71	171.08	171.06	170.63	169.91
25	168.59	168.46	170.76	---	171.23	170.94	170.60	170.71	171.08	171.02	170.60	169.88
26	168.58	168.55	170.95	---	170.86	170.90	170.54	170.69	171.09	170.99	170.56	169.86
27	168.56	168.58	171.07	---	170.73	170.88	170.51	170.68	171.07	170.96	170.51	169.83
28	168.57	168.60	171.10	170.66	170.81	170.89	170.49	170.70	171.07	170.95	170.49	169.79
29	168.61	168.62	171.07	170.66	---	170.87	170.47	170.70	171.06	170.91	170.45	169.72
30	168.63	168.64	170.93	170.65	---	170.84	170.44	170.70	171.06	170.89	170.41	169.68
31	168.74	---	170.87	170.65	---	170.82	---	170.70	---	171.00	170.37	---
MAX	---	168.75	---	---	---	---	171.12	170.84	171.15	171.18	170.99	170.44
MIN	---	168.42	---	---	---	---	170.44	170.46	170.65	170.89	170.37	169.68

07346450 BLACK BAYOU AT RODESSA, LA

LOCATION.--Lat 32°57'31", long 93°59'38", in NW ¼ sec.26, T.23 N., R.16 W., Caddo Parish, Hydrologic Unit 11140304. Located near right back on downstream side of bridge on U.S. Hwy. 1, 1.0 miles south of intersection of La. Hwy. 168 and La. Hwy. 1, approximately 5 miles north of Myrtis Mill Creek, and 35 miles north of Shreveport, La.

DRAINAGE AREA.--approximately 173.7 mi².

PERIOD OF RECORD.--October 1999 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is gage datum.

REMARKS.--Satellite and telephone telemetry and rain gage at site.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.59 ft, October 12, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.15 ft, Feb. 24; minimum gage height, 10.69 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.95	11.35	11.46	12.44	11.58	13.13	11.87	11.57	11.54	11.51	11.11	10.95
2	10.93	11.36	11.46	12.43	11.59	12.89	11.82	11.55	11.51	11.49	11.09	10.95
3	10.93	11.39	11.47	12.52	11.58	12.68	11.79	11.53	11.49	11.46	11.08	10.95
4	10.92	11.44	11.58	12.48	11.56	12.50	11.76	11.53	11.47	11.45	11.07	10.94
5	10.90	11.59	11.63	12.37	11.57	12.34	11.75	11.51	11.44	11.46	11.06	10.91
6	10.89	11.61	11.64	12.23	11.67	12.22	11.79	11.50	11.48	11.44	11.05	10.89
7	10.90	11.60	11.65	12.10	11.74	12.13	11.90	11.77	11.49	11.42	11.03	10.87
8	10.89	11.61	11.67	12.00	11.78	12.06	11.85	11.87	11.47	11.40	11.01	10.86
9	10.89	11.60	11.68	11.92	11.87	12.01	11.79	11.87	11.45	11.38	10.99	10.85
10	10.96	11.58	11.69	11.85	11.95	11.96	11.76	11.92	11.44	11.36	10.97	10.84
11	10.98	11.56	11.69	11.80	11.96	11.91	11.73	11.90	11.47	11.34	10.98	10.83
12	10.98	11.53	11.69	11.77	11.94	11.88	11.71	11.84	11.47	11.32	11.12	10.85
13	10.97	11.51	11.77	11.73	11.91	11.86	11.68	11.82	11.50	11.30	11.15	10.87
14	10.96	11.51	11.79	11.71	11.91	11.85	11.66	11.83	11.52	11.29	11.15	10.86
15	10.95	11.49	11.79	11.70	12.03	11.85	11.65	12.89	11.62	11.27	11.15	10.85
16	10.94	11.48	11.79	11.65	12.27	11.84	11.62	13.26	11.69	11.25	11.15	10.84
17	10.93	11.47	11.80	11.64	12.32	11.83	11.58	13.38	11.94	11.23	11.13	10.82
18	10.93	11.46	11.84	11.62	12.43	11.87	11.57	13.25	12.26	11.22	11.12	10.81
19	11.01	11.45	12.24	11.62	12.45	12.08	11.57	12.98	12.23	11.20	11.11	10.79
20	11.08	11.43	12.19	11.62	12.42	12.11	11.54	12.70	12.14	11.19	11.09	10.78
21	11.09	11.42	12.08	11.62	12.68	12.20	11.52	12.43	12.02	11.18	11.08	10.78
22	11.11	11.41	11.97	11.61	13.56	12.27	11.51	12.20	11.91	11.16	11.06	10.81
23	11.13	11.41	11.98	11.59	14.06	12.22	11.50	12.02	11.83	11.14	11.05	10.80
24	11.14	11.41	12.26	11.59	14.10	12.14	11.56	11.91	11.76	11.12	11.03	10.79
25	11.19	11.43	12.35	11.59	13.90	12.05	11.59	11.83	11.71	11.10	11.01	10.78
26	11.21	11.46	12.62	11.58	13.65	12.15	11.62	11.76	11.66	11.08	11.00	10.77
27	11.22	11.46	12.67	11.59	13.46	12.12	11.65	11.71	11.62	11.07	10.98	10.75
28	11.24	11.46	12.53	11.59	13.34	12.06	11.63	11.67	11.58	11.06	10.96	10.73
29	11.33	11.46	12.37	11.58	---	12.02	11.62	11.63	11.55	11.04	10.94	10.72
30	11.35	11.45	12.25	11.58	---	11.97	11.60	11.60	11.53	11.04	10.93	10.70
31	11.35	---	12.41	11.58	---	11.92	---	11.57	---	11.10	10.93	---
MAX	11.35	11.61	12.67	12.52	14.10	13.13	11.90	13.38	12.26	11.51	11.15	10.95
MIN	10.89	11.35	11.46	11.58	11.56	11.83	11.50	11.50	11.44	11.04	10.93	10.70

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA

LOCATION.--Lat 32°38'45", Long 93°52'40", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ 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 September 1995, gage height and discharge. October 1999 to current year, gage height only.

GAGE.--Water-stage recorder. Datum of gage is 136.12 ft above NGVD of 1929. 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 from 1979-1995. Prior to May 7, 1981, nonrecording gage for Red River at Shreveport (station 07348500) used as auxiliary gage.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 41.53 ft, Apr. 5, 1945, and May 5, 1958, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 29.09 ft, Feb. 27; minimum gage height, 9.28 ft, Sept. 14.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.47	9.81	19.91	10.80	28.02	12.65	10.16	9.82	10.18	9.60	9.79
2	---	10.57	9.91	20.07	10.85	27.04	12.15	10.18	10.08	10.15	9.57	9.59
3	9.75	10.49	9.99	19.27	10.66	26.10	11.82	9.91	10.10	10.70	9.77	9.67
4	9.87	10.34	10.37	19.18	10.26	25.39	11.51	9.76	9.91	10.44	10.03	9.94
5	9.85	10.89	10.29	19.49	10.39	24.57	11.09	10.07	9.70	10.14	10.01	10.07
6	9.91	10.80	10.13	19.01	10.75	23.60	11.58	10.32	9.68	9.92	9.86	10.38
7	10.00	10.91	10.16	18.32	10.79	22.59	13.37	10.72	9.66	9.81	9.80	10.30
8	9.84	10.96	10.22	17.84	10.66	21.72	13.09	11.09	9.66	9.77	9.89	9.97
9	9.71	10.96	10.34	17.42	10.94	20.83	12.47	10.78	9.66	9.99	10.06	9.90
10	10.02	10.89	10.34	17.15	11.50	19.89	11.92	10.94	9.76	10.06	10.08	10.14
11	10.01	10.53	10.39	16.52	11.67	19.36	11.74	10.76	10.12	9.87	10.0	10.10
12	9.91	10.42	10.70	15.75	11.62	18.90	11.74	10.49	10.24	9.77	10.02	9.96
13	9.88	10.33	11.34	15.37	11.44	18.50	11.47	10.45	10.10	9.82	10.19	9.72
14	9.90	10.25	11.09	15.08	11.73	17.90	11.31	10.56	10.06	9.99	10.03	9.39
15	9.91	10.18	11.10	14.71	13.12	17.43	11.13	12.45	9.93	10.03	9.99	9.54
16	9.97	9.95	11.04	15.00	16.26	17.16	11.04	14.24	9.89	9.93	9.90	9.82
17	10.01	10.06	11.15	14.30	16.10	16.60	10.94	13.82	10.30	9.74	9.69	10.07
18	9.96	10.26	11.42	14.02	15.46	16.30	10.53	13.41	11.00	9.78	9.65	10.25
19	9.99	10.16	17.46	13.36	15.15	17.46	10.32	13.23	11.19	9.73	9.60	10.09
20	9.96	10.03	19.76	12.64	15.08	17.35	10.24	12.87	11.62	9.69	9.61	9.75
21	9.91	9.83	17.72	12.23	18.27	16.72	10.10	12.41	11.80	9.75	9.92	9.67
22	9.90	9.81	15.97	11.49	24.11	16.18	10.09	12.38	11.56	9.80	10.16	9.95
23	9.99	9.87	14.85	11.29	27.23	16.06	10.05	11.90	11.47	9.97	9.94	10.02
24	10.35	9.87	17.65	11.24	28.01	15.77	10.18	11.49	11.36	10.00	9.69	10.03
25	11.15	9.80	17.43	11.21	28.21	15.40	10.16	11.40	11.20	9.97	9.66	9.95
26	11.17	9.81	16.63	10.96	28.66	15.34	9.98	10.72	11.02	9.95	9.82	9.91
27	10.71	9.77	16.43	10.83	28.97	15.06	9.83	10.49	11.17	9.98	10.05	9.81
28	10.76	9.89	16.28	10.82	28.71	14.91	9.80	10.55	10.68	9.97	9.98	9.73
29	10.75	10.12	16.37	10.86	---	---	9.90	10.51	10.47	9.91	9.76	9.80
30	10.51	10.00	16.57	11.16	---	---	9.96	10.43	10.30	9.77	9.84	9.74
31	10.46	---	19.25	11.03	---	---	---	10.20	---	9.73	9.87	---
MAX	11.17	10.96	19.76	20.07	28.97	28.02	13.37	14.24	11.80	10.70	10.19	10.38
MIN	---	9.77	9.81	10.82	10.26	---	9.80	9.76	9.66	9.69	9.57	9.39

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE ¼ NE ¼ 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 U.S. Highway 371 and State highway 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 NGVD 1929.

REMARKS.--Records good above 200 ft³/s, fair below, except for discharges less than 50 ft³/s and estimated record, which are poor. Satellite telemetry and raingage at site.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 22	0330	3,040	13.61	Feb 25	0730	*6,170	*14.82

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.4	e4.4	e8.7	1,510	83	4,790	792	98	59	84	e10	e11
2	e1.5	e5.1	e8.9	1,430	85	4,000	606	79	53	83	e17	e6.9
3	e1.5	e7.5	e9.2	1,460	85	3,390	429	68	e47	114	e47	e6.7
4	e1.6	e7.8	e54	1,530	82	2,900	311	e50	e35	128	e42	e6.2
5	e1.4	e34	e45	1,470	79	2,500	245	e36	e25	131	e27	e6.1
6	e1.2	e18	e29	1,250	118	2,170	296	e43	e19	214	e17	e5.6
7	e1.5	e18	68	1,020	206	1,930	692	363	e18	83	e13	e5.5
8	e1.7	e36	93	781	247	1,710	e561	433	e15	198	e9.3	e5.0
9	e1.8	e36	e84	586	348	1,450	e607	509	e12	347	e7.4	e4.4
10	e3.5	e19	e60	464	481	1,210	697	800	e12	335	e6.3	e3.9
11	e2.7	e9.4	e46	358	496	1,010	627	1,040	e11	188	e5.5	e3.5
12	e2.0	e6.7	e41	273	489	808	389	1,040	e9.1	102	e36	e4.3
13	e1.7	e5.8	113	219	505	639	244	783	e9.6	64	e22	e21
14	e1.6	e5.0	104	186	477	508	196	523	e18	e45	e9.2	e7.6
15	e1.4	e6.4	94	164	497	428	166	1,120	174	e34	e7.1	e7.1
16	e1.4	e7.5	149	149	1,030	387	140	1,520	317	e26	e6.7	e7.0
17	e1.4	e8.0	175	139	1,020	372	116	1,950	458	e18	e9.2	e6.1
18	e1.4	e8.1	145	138	1,140	365	97	2,130	600	e13	e8.2	e5.8
19	e2.3	e8.5	2,020	132	1,280	477	80	2,190	738	e11	e7.1	e5.9
20	e3.3	e8.1	2,530	121	1,400	536	68	2,090	847	e10	e6.5	e5.1
21	e2.3	e7.7	2,700	116	1,750	660	58	1,910	982	e9.0	e6.1	e5.2
22	e2.0	e7.5	2,920	111	2,670	824	e48	1,600	1,130	e8.6	e7.7	e14
23	e1.8	e7.3	2,360	108	3,650	947	e41	1,220	1,220	e7.9	e6.4	e9.8
24	e1.8	e7.3	2,370	109	5,540	936	e50	894	1,130	e6.9	e5.6	e7.0
25	e5.2	e8.1	2,030	105	6,020	839	63	554	873	e5.9	e5.3	e4.9
26	e5.3	e15	1,720	98	5,590	832	110	316	527	e5.4	e4.7	e3.9
27	e2.8	e14	1,580	90	5,520	774	222	192	250	e5.8	e5.4	e3.4
28	e2.8	e10	1,580	83	5,320	777	249	137	135	e5.3	e10	e3.0
29	e4.0	e9.0	1,490	82	---	848	176	108	101	e4.9	e7.9	e2.8
30	e3.9	e8.8	1,320	83	---	918	119	92	97	e5.1	e6.0	e2.8
31	e4.3	---	1,500	83	---	907	---	74	---	e14	e6.0	---
TOTAL	72.5	354.0	27,446.8	14,448	46,208	40,842	8,495	23,962	9,921.7	2,306.8	384.6	191.5
MEAN	2.34	11.8	885	466	1,650	1,317	283	773	331	74.4	12.4	6.38
MAX	5.3	36	2,920	1,530	6,020	4,790	792	2,190	1,220	347	47	21
MIN	1.2	4.4	8.7	82	79	365	41	36	9.1	4.9	4.7	2.8
AC-FT	144	702	54,440	28,660	91,650	81,010	16,850	47,530	19,680	4,580	763	380
CFSM	0.00	0.02	1.46	0.77	2.73	2.18	0.47	1.28	0.55	0.12	0.02	0.01
IN.	0.00	0.02	1.69	0.89	2.84	2.51	0.52	1.47	0.61	0.14	0.02	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	163	261	858	975	1,254	1,286	1,206	798	395	184	59.7	94.9
MAX	2,375	1,351	4,911	3,061	4,176	5,036	4,646	3,707	3,262	2,937	553	2,533
(WY)	(2002)	(1975)	(2002)	(1991)	(2001)	(2001)	(1991)	(1991)	(1974)	(1989)	(1996)	(1974)
MIN	0.99	1.34	12.2	11.8	31.6	96.4	149	22.3	3.10	1.58	0.78	0.89
(WY)	(2001)	(1996)	(2000)	(2000)	(1996)	(1996)	(1987)	(1988)	(1988)	(1964)	(2000)	(2000)

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	279,432.9		174,632.9		625	
ANNUAL MEAN	766		478		1,551	
HIGHEST ANNUAL MEAN					129	
LOWEST ANNUAL MEAN					1967	
HIGHEST DAILY MEAN	11,000	Mar 22	6,020	Feb 25	35,000	Apr 28, 1958
LOWEST DAILY MEAN	1.2	Oct 6	1.2	Oct 6	a0.00	Oct 10, 1957
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 30	1.4	Oct 1	0.07	Oct 8, 1957
MAXIMUM PEAK FLOW			6,170	Feb 25	36,700	Apr 6, 1997
MAXIMUM PEAK STAGE			14.82	Feb 25	22.79	Apr 28, 1958
INSTANTANEOUS LOW FLOW			*		a0.00	Oct 10, 1957
INSTANTANEOUS LOW STAGE			3.82	Oct 6	*	
ANNUAL RUNOFF (AC-FT)	554,300		346,400		452,600	
ANNUAL RUNOFF (CFSM)	1.27		0.79		1.03	
ANNUAL RUNOFF (INCHES)	17.18		10.74		14.03	
10 PERCENT EXCEEDS	2,240		1,490		1,690	
50 PERCENT EXCEEDS	95		83		130	
90 PERCENT EXCEEDS	2.0		4.3		2.7	

a Also occurred Oct. 11-14, 1957

e Estimated

* Not determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.86	4.27	4.52	12.28	6.08	14.41	10.48	6.04	5.47	5.85	4.35	4.40
2	3.88	4.32	4.53	12.18	6.10	14.14	9.82	5.78	5.36	5.83	4.56	4.24
3	3.88	4.46	4.55	12.22	6.11	13.82	9.00	5.61	5.25	6.27	5.24	4.23
4	3.90	4.48	5.44	12.30	6.06	13.52	8.27	5.30	5.01	6.48	5.16	4.20
5	3.86	5.16	5.38	12.22	6.03	13.23	7.75	5.01	4.76	6.49	4.81	4.20
6	3.83	4.80	5.06	11.89	6.51	12.96	8.05	5.15	4.62	7.39	4.56	4.17
7	3.90	4.80	5.77	11.35	7.45	12.71	10.13	8.19	4.57	5.83	4.46	4.16
8	3.94	5.23	6.10	10.69	7.79	12.45	---	9.00	4.51	7.24	4.32	4.13
9	3.97	5.22	---	10.01	8.58	12.11	---	9.39	4.41	8.51	4.24	4.09
10	4.17	4.82	---	9.37	9.45	11.67	10.15	10.50	4.41	8.42	4.17	4.05
11	4.10	4.55	5.42	8.66	9.52	11.14	9.90	11.22	4.36	7.17	4.13	4.01
12	4.00	4.42	5.33	8.00	9.47	10.53	8.75	11.23	4.29	6.11	4.95	4.08
13	3.95	4.37	6.37	7.56	9.55	9.95	7.73	10.44	4.31	5.54	4.68	4.67
14	3.92	4.31	6.26	7.27	9.38	9.42	7.28	9.48	4.55	5.21	4.32	4.28
15	3.90	4.40	6.12	7.06	9.43	9.00	6.95	11.41	6.96	4.98	4.23	4.26
16	3.90	4.46	6.82	6.89	11.32	8.76	6.63	12.21	8.30	4.78	4.21	4.26
17	3.89	4.49	7.11	6.78	11.27	8.67	6.30	12.73	9.15	4.59	4.33	4.21
18	3.89	4.49	6.78	6.76	11.57	8.62	6.02	12.93	9.81	4.45	4.29	4.19
19	4.02	4.51	12.20	6.70	11.88	9.26	5.79	12.99	10.29	4.37	4.24	4.20
20	4.16	4.50	13.26	6.57	12.07	9.56	5.62	12.89	10.66	4.34	4.20	4.15
21	4.04	4.47	13.38	6.50	12.51	10.02	5.45	12.69	11.07	4.30	4.18	4.16
22	4.00	4.47	13.53	6.44	13.35	10.58	5.27	12.31	11.47	4.28	4.26	4.53
23	3.97	4.45	13.13	6.40	13.95	10.97	5.13	11.68	11.69	4.25	4.20	4.39
24	3.97	4.45	13.14	6.41	14.64	10.93	5.31	10.79	11.46	4.19	4.15	4.27
25	4.26	4.49	12.84	6.36	14.78	10.63	5.54	9.59	10.73	4.13	4.13	4.14
26	4.32	4.74	12.51	6.26	14.65	10.61	6.21	8.28	9.46	4.10	4.09	4.07
27	4.11	4.70	12.36	6.17	14.63	10.42	7.52	7.23	7.75	4.13	4.12	4.02
28	4.11	4.58	12.35	6.09	14.57	10.43	7.78	6.59	6.56	4.10	4.38	3.98
29	4.23	4.54	12.25	6.06	---	10.66	7.05	6.19	6.08	4.07	4.28	3.96
30	4.22	4.53	12.01	6.08	---	10.88	6.35	5.95	6.01	4.08	4.19	3.96
31	4.26	---	12.26	6.08	---	10.85	---	5.70	---	4.47	4.19	---
MAX	4.32	5.23	13.53	12.30	14.78	14.41	10.48	12.99	11.69	8.51	5.24	4.67
MIN	3.83	4.27	4.52	6.06	6.03	8.62	5.13	5.01	4.29	4.07	4.09	3.96

07349000 BAYOU DORCHEAT NEAR MINDEN, LA

LOCATION.--Lat 32°35'55", long 93°19'59", in NE ¼ NW ¼ 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 NGVD of 1929 (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. July 29, 1953, to Sept. 30, 1979, supplementary water-stage recorder 4.6 mi upstream from base gage at different datum.

REMARKS.--Gage heights affected by Lake Bistineau.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.40 ft, Feb. 25; minimum gage height, 6.47 ft, Oct. 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.58	6.94	7.24	---	7.41	16.66	9.13	7.46	7.57	7.51	7.18	7.09
2	6.57	6.94	7.25	---	7.44	16.41	9.04	7.43	7.51	7.45	7.17	7.18
3	6.53	6.97	7.24	---	7.45	16.12	8.91	7.39	7.44	7.41	7.15	7.18
4	6.64	7.01	7.38	11.48	7.41	15.70	8.76	7.42	7.38	7.40	7.14	7.17
5	6.58	7.36	7.42	11.26	7.40	15.17	8.54	7.42	7.33	7.44	7.13	7.14
6	6.60	7.40	7.42	11.03	7.44	14.64	8.52	7.38	7.42	7.47	7.12	7.12
7	6.62	7.39	---	10.78	7.49	14.11	10.20	7.39	7.42	7.42	7.12	7.11
8	6.62	7.40	---	10.50	7.52	13.60	10.72	7.49	7.37	7.46	7.10	7.10
9	6.61	7.40	---	10.20	7.62	13.11	11.17	8.17	7.34	7.46	7.09	7.09
10	6.75	7.39	---	9.81	7.78	12.58	11.63	9.35	7.32	7.42	7.08	7.08
11	6.77	7.32	---	9.36	7.92	12.02	11.90	10.39	7.32	7.43	7.10	7.09
12	6.77	7.28	---	8.86	8.06	11.41	11.81	10.76	7.29	7.48	7.22	7.12
13	6.74	7.29	---	8.44	8.21	10.79	11.29	10.50	7.30	7.46	7.26	7.21
14	6.73	7.29	---	8.12	8.34	10.14	10.40	10.05	7.30	7.41	7.26	7.19
15	6.72	7.27	---	7.92	8.43	9.52	9.33	10.30	7.32	7.36	7.22	7.17
16	6.71	7.24	---	7.77	8.69	9.00	8.52	10.79	7.32	7.32	7.21	7.16
17	6.71	7.26	---	7.66	9.06	8.62	8.09	12.16	7.32	7.28	7.20	7.14
18	6.71	7.27	---	7.62	9.63	8.45	7.87	14.06	7.43	7.27	7.18	7.13
19	6.77	7.23	---	7.58	10.35	8.79	7.77	14.74	7.62	7.25	7.17	7.12
20	6.80	7.22	---	7.56	11.07	8.92	7.68	14.52	7.75	7.25	7.15	7.10
21	6.80	7.22	---	7.55	12.29	9.08	7.60	14.04	7.90	7.24	7.14	7.12
22	6.80	7.20	---	7.47	14.26	9.24	7.53	13.52	8.07	7.21	7.12	7.25
23	6.79	7.21	---	7.42	16.08	9.32	7.49	12.99	8.20	7.22	7.10	7.25
24	6.79	7.21	---	7.42	17.21	9.33	7.50	12.42	8.30	7.21	7.09	7.24
25	6.81	7.18	---	7.42	17.35	9.33	7.45	11.80	8.41	7.19	7.08	7.22
26	6.80	7.23	---	7.43	17.14	9.33	7.40	11.06	8.51	7.18	7.08	7.21
27	6.83	7.24	---	7.43	16.97	9.22	7.39	10.15	8.52	7.17	7.08	7.19
28	6.88	7.25	---	7.44	16.85	9.12	7.39	9.13	8.36	7.15	7.09	7.16
29	6.96	7.27	---	7.43	---	9.10	7.40	8.30	8.00	7.14	7.08	7.14
30	6.95	7.24	---	7.40	---	9.13	7.45	7.90	7.67	7.12	7.06	7.12
31	6.95	---	---	7.42	---	9.15	---	7.72	---	7.16	7.06	---
MAX	6.96	7.40	---	---	17.35	16.66	11.90	14.74	8.52	7.51	7.26	7.25
MIN	6.53	6.94	---	---	7.40	8.45	7.39	7.38	7.29	7.12	7.06	7.08

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

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

DRAINAGE AREA.--1,443 mi².

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

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

GAGE.--Water-stage recorder and concrete control at station. Datum of gage is 130.00 ft above NGVD of 1929 (levels by Louisiana Department of Transportation and Development).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.96 ft, Feb. 23; minimum gage height, 10.36 ft, Oct. 2.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.39	10.79	11.05	12.22	11.18	12.81	11.49	11.13	11.32	11.26	10.98	10.88
2	10.38	10.78	11.03	12.16	11.15	12.74	11.51	11.14	11.23	11.22	10.96	10.98
3	10.44	10.81	11.09	12.08	11.18	12.67	11.51	11.15	11.21	11.19	10.95	11.00
4	10.42	10.87	11.19	11.98	11.20	12.59	11.52	11.10	11.17	11.16	10.94	11.02
5	10.44	11.16	11.22	11.93	11.20	12.52	11.53	11.09	11.14	11.17	10.92	11.01
6	10.41	11.20	11.21	11.89	11.26	12.46	11.55	11.12	11.23	11.17	10.91	10.98
7	10.49	11.18	11.19	11.82	11.29	12.37	11.78	11.11	11.21	11.16	10.96	10.96
8	10.46	11.14	11.19	---	11.26	12.27	11.88	11.08	11.17	11.15	10.93	10.94
9	10.47	11.12	11.18	---	11.29	12.20	11.89	11.11	11.13	11.14	10.91	10.92
10	10.57	11.12	11.17	---	11.31	12.12	11.88	11.19	11.09	11.14	10.90	10.90
11	10.59	11.14	11.15	11.67	11.33	12.04	11.88	11.36	11.06	11.13	10.92	10.90
12	10.59	11.13	11.18	11.62	11.36	11.96	11.88	11.46	11.07	11.13	11.08	10.93
13	10.61	11.09	11.26	11.55	11.38	11.91	11.87	11.54	11.09	11.14	11.10	11.02
14	10.58	11.06	11.28	11.50	11.39	11.84	11.82	11.61	11.09	11.13	11.08	11.03
15	10.56	11.09	11.26	11.43	11.46	11.76	11.74	11.82	11.12	11.11	11.07	11.01
16	10.54	11.08	11.24	11.41	11.49	11.68	11.62	11.84	11.11	11.10	11.04	10.99
17	10.52	11.03	11.20	11.34	11.51	11.61	11.56	11.88	11.11	11.08	11.02	10.97
18	10.50	11.01	11.22	11.29	11.54	11.56	11.46	11.92	11.12	11.05	11.00	10.96
19	10.57	11.04	11.33	11.27	11.59	11.58	11.37	12.02	11.14	11.05	10.98	10.95
20	10.62	11.04	11.33	11.24	11.75	11.61	11.34	12.13	11.17	11.03	10.97	10.94
21	10.62	11.03	11.32	11.26	12.22	11.61	11.32	12.16	11.19	11.00	10.95	10.98
22	10.62	11.03	11.38	11.28	12.83	11.59	11.27	12.14	11.22	11.00	10.94	11.08
23	10.63	11.01	11.51	11.26	12.92	11.58	11.23	12.09	11.24	11.04	10.93	11.07
24	10.63	11.00	11.86	11.21	12.91	11.56	11.19	12.03	11.27	11.03	10.91	11.06
25	10.63	11.02	11.99	11.19	12.92	11.57	11.21	11.96	11.29	11.00	10.90	11.05
26	10.65	11.06	12.06	11.21	12.91	11.64	11.18	11.91	11.33	10.98	10.89	11.04
27	10.68	11.08	12.05	11.20	12.90	11.60	11.16	11.82	11.36	10.97	10.90	11.03
28	10.69	11.05	12.02	11.17	12.87	11.60	11.14	11.71	11.35	10.94	10.90	11.03
29	10.76	11.03	12.00	11.21	---	---	11.13	11.59	11.34	10.92	10.89	10.99
30	10.77	11.06	12.02	11.21	---	---	11.13	11.47	11.31	10.92	10.88	10.97
31	10.79	---	12.24	11.18	---	11.51	---	11.37	---	10.97	10.88	---
MAX	10.79	11.20	12.24	12.22	12.92	12.81	11.89	12.16	11.36	11.26	11.10	11.08
MIN	10.38	10.78	11.03	---	11.15	---	11.13	11.08	11.06	10.92	10.88	10.88

LOCATION.--Lat 32°32'36", long 93°38'27", in sec.19, T.18 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204. Located on east bound bridge on U.S. Hwy. 80, 0.25 miles west of intersection of Hwy. 80 and Interstate 220, 0.125 miles upstream from Musselshell Bayou, and approximately 5.7 miles from Bossier City, La..

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.33 ft, from floodmark, Feb. 22; minimum gage height, 5.30 ft, Aug. 20, 21.

[illegible]

07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE ¼ 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 NGVD of 1929 (levels by Corps of Engineers).

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,330 ft³/s, maximum gage height, 17.52 ft, Mar. 1; minimum gage height, 2.44 ft, Aug. 27.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.08	4.82	4.51	9.02	4.76	17.48	9.70	4.74	5.02	5.83	3.85	2.69
2	4.06	4.77	4.45	9.77	4.68	17.26	9.01	4.86	4.75	5.56	3.66	2.73
3	4.61	4.77	4.42	9.85	4.62	16.83	8.29	4.91	4.34	5.44	3.56	2.70
4	5.46	4.85	4.98	9.75	4.51	16.29	7.71	4.95	4.10	5.44	3.50	2.65
5	5.64	5.24	5.60	9.65	4.61	15.77	7.32	4.89	4.01	5.49	3.45	2.61
6	5.65	5.37	5.37	9.66	4.97	---	7.67	4.91	4.14	5.80	3.41	2.57
7	5.64	5.15	4.68	9.76	5.82	---	9.11	8.84	4.19	6.43	3.39	2.54
8	5.58	4.94	3.97	9.86	6.39	---	8.91	9.39	4.14	6.04	3.44	2.52
9	5.55	4.82	3.36	9.93	6.37	---	8.72	8.31	4.10	5.54	3.40	2.51
10	5.62	4.74	3.11	9.98	6.63	---	8.33	6.60	4.09	5.26	3.33	2.52
11	5.62	4.69	3.01	10.04	7.15	---	7.48	5.28	4.06	5.17	3.37	2.52
12	5.52	4.71	3.00	10.02	7.28	---	6.59	4.65	4.04	5.33	3.73	2.62
13	5.40	4.75	3.93	9.82	7.09	---	6.05	4.33	4.06	5.55	5.11	3.18
14	5.30	4.77	4.31	9.41	7.00	---	5.82	5.69	4.07	5.62	4.46	3.04
15	5.25	4.81	4.20	8.87	8.49	---	5.74	8.84	3.90	5.46	3.40	2.80
16	5.19	4.80	3.80	8.25	10.94	---	5.54	9.71	3.87	5.07	2.97	2.65
17	5.12	4.79	3.48	7.62	11.51	---	5.29	10.81	3.94	4.72	2.73	2.59
18	5.05	4.80	3.36	7.27	12.05	---	5.31	11.57	4.04	4.54	2.63	2.57
19	5.08	4.76	8.53	6.73	12.14	---	5.32	12.07	4.09	4.32	2.57	2.56
20	5.12	4.70	14.83	6.19	11.89	---	5.20	12.04	4.42	4.12	2.54	2.56
21	5.08	4.68	15.07	5.81	12.59	---	5.13	11.58	4.80	3.97	2.55	2.61
22	5.00	4.68	14.08	5.57	14.35	---	5.12	10.85	5.07	3.86	2.57	2.86
23	4.94	4.66	12.51	5.56	16.20	---	5.11	10.06	5.26	3.78	2.51	2.82
24	4.88	4.63	11.71	5.50	17.24	---	5.17	9.43	5.63	3.71	2.51	2.69
25	4.96	4.67	10.83	5.29	17.43	---	5.20	8.92	5.88	3.65	2.49	2.63
26	5.03	4.92	10.42	5.03	17.34	---	5.16	8.42	6.17	3.60	2.49	2.59
27	4.94	4.98	9.75	4.92	17.34	---	5.11	7.90	6.49	3.63	2.47	2.58
28	4.87	4.82	8.56	4.88	17.45	---	5.06	7.25	6.73	3.60	2.53	2.55
29	4.91	4.69	6.88	4.78	---	---	4.86	6.60	6.66	3.53	2.55	2.54
30	4.92	4.59	5.60	4.71	---	---	4.76	6.03	6.29	3.50	2.55	2.51
31	4.88	---	7.59	4.82	---	---	---	5.50	---	3.98	2.64	---
MAX	5.65	5.37	15.07	10.04	17.45	---	9.70	12.07	6.73	6.43	5.11	3.18
MIN	4.06	4.59	3.00	4.71	4.51	---	4.76	4.33	3.87	3.50	2.47	2.51

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in NE ¼ SW ¼ 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 NGVD of 1929 (levels by Louisiana Department of Transportation and Development).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.27 ft, Feb. 23; minimum gage height, 8.08 ft, Oct. 6.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.14	8.39	8.69	10.27	9.61	10.51	9.70	9.52	9.55	9.44	9.07	9.06
2	8.13	8.38	8.68	10.28	9.60	10.43	9.68	9.53	9.53	9.42	9.05	9.09
3	8.15	8.40	8.71	10.27	9.62	10.32	9.68	9.52	9.52	9.41	9.04	9.09
4	8.13	8.43	8.90	10.24	9.61	10.22	9.67	9.49	9.50	9.40	9.02	9.08
5	8.12	8.61	8.95	10.17	9.60	10.15	9.67	9.49	9.48	9.41	9.00	9.05
6	8.10	8.63	8.98	10.08	9.67	10.06	9.81	9.49	9.51	9.40	8.98	9.02
7	8.13	8.64	9.01	9.98	9.70	10.00	10.18	9.50	9.51	9.39	8.97	9.00
8	8.11	8.64	9.03	9.90	9.72	9.95	10.20	9.57	9.50	9.40	8.95	8.98
9	8.10	8.64	9.06	9.86	9.77	9.91	10.18	9.78	9.47	9.38	8.93	8.96
10	8.29	8.65	9.07	9.82	9.80	9.87	10.15	10.01	9.45	9.38	8.91	8.95
11	8.32	8.66	9.06	9.78	9.82	9.83	10.04	10.06	9.43	9.37	8.92	8.93
12	8.32	8.66	9.10	9.75	9.83	9.81	9.93	9.93	9.43	9.35	9.21	8.94
13	8.32	8.63	9.25	9.73	9.81	9.80	9.85	9.82	9.47	9.34	9.29	8.96
14	8.29	8.62	9.29	9.71	9.81	9.78	9.79	9.77	9.48	9.32	9.30	8.95
15	8.28	8.64	9.34	9.69	9.91	9.77	9.74	10.10	9.49	9.30	9.31	8.92
16	8.25	8.63	9.37	9.69	10.06	9.77	9.70	10.12	9.50	9.28	9.31	8.90
17	8.24	8.61	9.38	9.66	10.16	9.75	9.69	10.20	9.56	9.26	9.29	8.88
18	8.22	8.59	9.41	9.65	10.30	9.78	9.66	10.23	9.61	9.25	9.28	8.87
19	8.28	8.60	9.61	9.64	10.34	9.89	9.63	10.18	9.65	9.22	9.26	8.86
20	8.32	8.60	9.84	9.64	10.31	9.95	9.64	10.09	9.64	9.21	9.24	8.84
21	8.32	8.59	10.45	9.65	10.55	10.00	9.64	9.97	9.61	9.19	9.23	8.85
22	8.31	8.59	10.63	9.65	11.00	10.01	9.62	9.88	9.59	9.17	9.22	8.91
23	8.30	8.57	10.52	9.64	11.18	9.95	9.60	9.82	9.56	9.16	9.21	8.90
24	8.29	8.57	10.56	9.61	11.18	9.88	9.60	9.77	9.54	9.13	9.20	8.89
25	8.33	8.58	10.40	9.61	10.95	9.83	9.60	9.73	9.52	9.10	9.18	8.88
26	8.34	8.68	10.34	9.62	10.77	9.82	9.58	9.70	9.51	9.07	9.16	8.87
27	8.34	8.70	10.30	9.61	10.67	9.79	9.56	9.66	9.49	9.06	9.14	8.86
28	8.36	8.69	10.23	9.61	10.58	9.82	9.56	9.63	9.46	9.04	9.12	8.85
29	8.40	8.69	10.14	9.63	---	9.82	9.55	9.61	9.44	9.01	9.11	8.80
30	8.39	8.70	10.08	9.62	---	9.77	9.53	9.59	9.43	9.02	9.08	8.78
31	8.40	---	10.26	9.62	---	9.73	---	9.57	---	9.07	9.07	---
MAX	8.40	8.70	10.63	10.28	11.18	10.51	10.20	10.23	9.65	9.44	9.31	9.09
MIN	8.10	8.38	8.68	9.61	9.60	9.73	9.53	9.49	9.43	9.01	8.91	8.78

07349850 RED CHUTE BAYOU NEAR SHREVEPORT, LA

LOCATION.--Lat 32°33'15", long 93°38'27", in NW ¼ sec. 16, T.18 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, on left downstream side of bridge on U.S. Highway 80, 1.0 mile east of intersection Hwy. 80 and Interstate 220, approximately 5.2 miles upstream from confluence with Bayou Fifi, and approximately 7 miles east of Bossier City, La.

DRAINAGE AREA.--approximately 949 mi².

PERIOD OF RECORD.--WDR LA-00-1, published annual maximum only. October 2000 to current year (gage heights only).

REVISED RECORDS.--None.

GAGE.--Digital water-stage recorder at station. Datum of gage is 137.029 ft above NGVD of 1929 (levels by Corps of Engineers, Vicksburg District).

REMARKS.--Gage operated as part of a flood alert system for Caddo and Bossier Parishes. Satellite telemetry and telephony with rain gauge at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 29.52 ft, Mar. 2, 2001; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.72 ft, Mar. 5; minimum not determined.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.63	8.44	8.73	18.41	12.90	22.33	20.60	12.87	14.21	8.51	7.95	---
2	7.54	8.36	8.78	18.60	12.63	22.48	20.40	12.47	14.05	8.68	7.87	---
3	7.50	8.32	8.85	18.74	12.34	22.59	20.20	12.04	13.86	8.87	7.80	---
4	7.50	8.53	9.48	18.80	12.01	22.66	20.00	11.60	13.65	9.02	7.73	---
5	7.54	9.14	9.32	18.80	11.70	22.70	19.81	11.18	13.41	9.10	7.69	---
6	7.58	8.97	9.39	18.74	11.51	22.66	20.04	10.77	13.18	9.15	7.67	---
7	7.60	9.01	9.41	18.60	11.29	22.60	20.40	10.40	12.94	9.20	7.65	---
8	7.49	8.98	9.33	18.42	11.12	22.57	20.52	10.06	12.67	9.24	7.61	---
9	7.58	8.94	9.19	18.22	11.01	22.53	20.52	9.73	12.37	9.31	7.58	---
10	8.03	8.84	9.19	17.99	10.98	22.48	20.39	9.54	12.01	9.44	7.56	---
11	8.22	8.78	9.26	17.76	11.02	22.41	20.20	10.17	11.63	9.46	7.55	6.76
12	8.51	8.67	9.38	17.51	11.09	---	19.94	10.95	11.26	9.41	8.22	6.80
13	8.74	8.55	9.99	17.27	11.19	22.28	19.65	11.42	10.91	9.38	8.38	7.00
14	8.82	8.45	9.89	17.03	11.30	22.21	19.38	11.67	10.57	9.34	8.27	7.18
15	8.84	8.42	9.95	16.80	11.69	22.13	19.09	12.72	10.23	9.34	8.01	7.16
16	8.86	8.34	9.88	16.59	11.95	22.05	18.78	12.96	10.06	9.26	7.84	7.14
17	8.87	8.24	9.74	16.36	12.32	21.96	18.44	13.28	9.78	9.19	7.76	7.11
18	8.83	8.31	9.57	16.13	12.86	21.95	18.08	13.56	9.47	9.14	7.74	7.08
19	9.02	8.61	9.67	15.89	13.44	21.94	17.69	13.85	9.15	9.09	7.77	7.06
20	9.00	8.51	9.54	15.67	14.15	21.88	17.28	14.09	8.93	9.04	7.78	7.05
21	8.97	7.98	9.61	15.49	15.98	21.84	16.85	14.32	8.81	8.99	7.76	7.08
22	8.89	7.80	11.18	15.25	18.45	21.81	16.36	14.48	8.71	8.91	7.75	7.19
23	8.85	7.64	13.48	14.98	20.21	21.76	15.84	14.59	8.54	8.88	7.70	7.20
24	8.80	7.67	14.89	14.77	20.66	21.68	15.38	14.65	8.40	8.74	7.63	7.17
25	8.77	7.78	15.54	14.55	21.12	21.57	14.98	14.69	8.30	8.63	7.56	7.18
26	8.80	8.12	16.30	14.35	21.53	21.54	14.62	14.69	8.24	8.52	7.47	7.19
27	8.80	8.22	16.89	14.11	21.89	21.40	14.28	14.68	8.22	8.42	7.37	7.17
28	8.85	8.35	17.25	13.88	22.12	21.27	13.95	14.63	8.25	8.32	7.24	7.12
29	8.84	8.53	17.48	---	---	21.15	13.61	14.56	8.31	8.23	---	7.06
30	8.64	8.66	---	13.38	---	---	13.25	14.47	8.38	8.12	---	6.93
31	8.56	---	18.38	13.13	---	20.80	---	14.34	---	8.02	---	---
MAX	9.02	9.14	---	18.80	22.12	22.70	20.60	14.69	14.21	9.46	8.38	7.20
MIN	7.49	7.64	8.73	13.13	10.98	20.80	13.25	9.54	8.22	8.02	---	---

07349860 RED CHUTE BAYOU AT SLIGO, LA

LOCATION.--Lat 32°26'50", long 93°35'40", SW ¼ NW ¼ 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 NGVD of 1929. 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.--Records good. Satellite telemetry and rain gage at site.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	137	110	1,840	722	2,840	2,250	692	902	114	68	18
2	74	129	114	1,870	681	2,840	2,200	637	875	133	61	18
3	71	126	119	1,880	640	2,830	2,160	581	846	152	55	18
4	70	127	207	1,860	594	2,830	2,110	521	814	171	50	17
5	70	209	197	1,840	548	2,830	2,070	459	780	182	47	16
6	73	142	188	1,820	526	2,790	2,130	400	747	188	45	16
7	80	161	193	1,780	498	2,730	2,390	349	708	193	44	16
8	71	163	190	1,720	465	2,710	2,460	306	668	197	42	15
9	71	158	177	1,670	449	2,690	2,440	263	627	203	41	14
10	97	153	166	1,620	445	2,680	2,360	228	582	215	39	14
11	108	142	161	1,570	442	2,660	2,270	268	535	224	39	14
12	128	132	167	1,510	456	2,640	2,140	e382	485	218	120	19
13	148	120	279	1,450	474	2,620	2,030	e468	438	216	109	26
14	160	110	246	1,400	477	2,610	1,960	516	390	212	104	24
15	162	104	251	1,360	517	2,580	1,880	663	346	211	80	26
16	164	98	256	1,310	561	2,560	1,810	749	319	204	61	25
17	166	91	256	1,270	608	2,540	1,730	826	316	197	53	24
18	164	84	230	1,220	679	2,550	1,660	864	255	191	49	23
19	176	77	245	1,180	764	2,570	1,570	876	210	185	49	22
20	182	72	253	1,130	893	2,550	1,490	890	178	180	51	22
21	178	68	242	1,150	1,460	2,530	1,400	922	162	175	51	23
22	172	61	361	1,090	2,470	2,530	1,310	947	148	168	50	29
23	168	58	791	1,020	3,010	2,520	1,210	964	132	168	48	27
24	165	58	1,370	975	2,810	2,500	1,120	974	114	149	44	26
25	162	60	1,400	936	2,710	2,470	1,050	979	102	136	40	25
26	161	74	1,500	902	2,700	2,480	981	982	95	124	37	25
27	163	83	1,520	865	2,790	2,450	926	981	92	114	32	25
28	162	86	1,520	827	2,820	2,420	867	973	92	103	28	24
29	183	95	1,540	792	---	e2,400	808	961	99	94	24	22
30	153	105	1,560	755	---	e2,350	750	946	105	85	21	20
31	146	---	1,840	730	---	2,300	---	926	---	79	19	---
TOTAL	4,129	3,283	17,649	41,342	32,209	80,600	51,532	21,493	12,162	5,181	1,601	633
MEAN	133	109	569	1,334	1,150	2,600	1,718	693	405	167	51.6	21.1
MAX	183	209	1,840	1,880	3,010	2,840	2,460	982	902	224	120	29
MIN	70	58	110	730	442	2,300	750	228	92	79	19	14
AC-FT	8,190	6,510	35,010	82,000	63,890	159,900	102,200	42,630	24,120	10,280	3,180	1,260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

	MEAN											
MEAN	169	443	1,026	1,580	1,951	2,170	1,970	1,357	995	615	217	101
MAX	724	2,001	2,200	3,757	3,802	5,021	4,827	4,244	2,567	3,288	2,130	419
(WY)	(1985)	(1985)	(2001)	(2001)	(2001)	(2001)	(1997)	(1991)	(1989)	(1989)	(1989)	(1989)
MIN	6.97	22.0	47.0	66.3	79.8	44.6	152	71.7	14.5	21.8	14.1	4.24
(WY)	(1989)	(1981)	(1981)	(2000)	(1996)	(1996)	(1996)	(1982)	(1988)	(1988)	(1987)	(1987)

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	392,290		271,817		1,046	
ANNUAL MEAN	1,075		745		2,068	1997
HIGHEST ANNUAL MEAN					206	1982
LOWEST ANNUAL MEAN					6,630	Apr 15, 1991
HIGHEST DAILY MEAN	3,920	Apr 9	3,010	Feb 23	2.2	Oct 5, 1982
LOWEST DAILY MEAN	11	Aug 15	a14	Sep 9	2.8	Sep 30, 1982
ANNUAL SEVEN-DAY MINIMUM	13	Aug 10	15	Sep 5	6,800	Apr 14, 1991
MAXIMUM PEAK FLOW			3,070	Feb 23	38.26	Apr 14, 1991
MAXIMUM PEAK STAGE			30.75	Feb 23	*	
INSTANTANEOUS LOW FLOW			b13	Sep 10	*	
INSTANTANEOUS LOW STAGE			b15.25	Sep 10	*	
10 PERCENT EXCEEDS	2,600		2,430		2,720	
50 PERCENT EXCEEDS	614		251		514	
90 PERCENT EXCEEDS	24		38		25	

a Also occurred Sep. 10, 11

b Also occurred Sep. 11

e Estimated

* Not determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.55	17.21	17.01	26.46	21.23	30.00	28.00	21.05	22.23	17.06	16.46	15.40
2	16.46	17.13	17.05	26.58	20.99	30.00	27.82	20.72	22.08	17.25	16.36	15.41
3	16.42	17.10	17.11	26.59	20.74	29.97	27.64	20.37	21.92	17.44	16.26	15.41
4	16.40	17.10	17.90	26.53	20.45	29.98	27.47	19.99	21.75	17.62	16.17	15.38
5	16.40	17.91	17.83	26.46	20.16	29.98	27.31	19.61	21.56	17.71	16.10	15.34
6	16.44	17.34	17.77	26.36	20.01	29.84	27.54	19.24	21.37	17.76	16.07	15.34
7	16.54	17.53	17.80	26.19	19.85	29.65	28.48	18.91	21.15	17.80	16.06	15.34
8	16.41	17.54	17.78	25.97	19.65	29.58	28.71	18.63	20.91	17.84	16.01	15.32
9	16.41	17.50	17.67	25.76	19.55	29.52	28.65	18.33	20.66	17.89	15.99	15.28
10	16.75	17.45	17.57	25.55	19.53	29.47	28.38	18.08	20.38	17.98	15.96	15.26
11	16.89	17.35	17.53	25.33	19.51	29.40	28.04	18.36	20.08	18.05	15.96	15.26
12	17.11	17.25	17.58	25.09	19.59	29.33	27.57	---	19.77	18.01	17.05	15.38
13	17.33	17.12	18.44	24.85	19.70	29.29	27.16	---	19.48	17.99	16.99	15.56
14	17.45	17.01	18.21	24.63	19.72	29.23	26.89	19.95	19.18	17.96	16.93	15.51
15	17.47	16.95	18.25	24.43	19.96	29.15	26.61	20.86	18.89	17.95	16.63	15.56
16	17.49	16.87	18.28	24.22	20.24	29.08	26.32	21.38	18.71	17.90	16.36	15.53
17	17.51	16.78	18.28	24.02	20.54	29.02	26.02	21.81	18.69	17.84	16.21	15.51
18	17.49	16.69	18.09	23.81	20.97	29.03	25.70	22.02	18.27	17.79	16.15	15.49
19	17.61	16.59	18.20	23.59	21.47	29.12	25.36	22.08	17.94	17.74	16.15	15.47
20	17.67	16.52	18.26	23.39	22.17	29.02	25.01	22.16	17.68	17.70	16.18	15.45
21	17.63	16.46	18.19	23.46	24.85	28.98	24.63	22.33	17.54	17.65	16.17	15.49
22	17.57	16.36	18.98	23.19	28.75	28.97	24.21	22.46	17.41	17.59	16.16	15.65
23	17.53	16.30	21.51	22.81	30.57	28.93	23.74	22.55	17.24	17.59	16.12	15.58
24	17.50	16.30	24.50	22.60	29.90	28.86	23.33	22.60	17.05	17.42	16.05	15.55
25	17.47	16.34	24.63	22.40	29.56	28.77	22.96	22.62	16.91	17.29	15.97	15.53
26	17.46	16.54	25.04	22.23	29.53	28.80	22.63	22.64	16.83	17.17	15.90	15.55
27	17.48	16.67	25.12	22.03	29.83	28.70	22.35	22.63	16.79	17.05	15.80	15.55
28	17.47	16.71	25.13	21.82	29.94	28.59	22.04	22.60	16.80	16.93	15.69	15.51
29	17.68	16.84	25.22	21.62	---	---	21.72	22.53	16.87	16.82	15.59	15.46
30	17.38	16.95	25.31	21.42	---	---	21.39	22.46	16.96	16.70	15.50	15.41
31	17.31	---	26.45	21.27	---	28.18	---	22.35	---	16.62	15.45	---
MAX	17.68	17.91	26.45	26.59	30.57	30.00	28.71	22.64	22.23	18.05	17.05	15.65
MIN	16.40	16.30	17.01	21.27	19.51	28.18	21.39	18.08	16.79	16.62	15.45	15.26

07349910 RED CHUTE BAYOU AT HIGH ISLAND, LA

LOCATION.--Lat 32°33'15", long 93°38'27", in NW ¼ sec.16, T.18 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near center span on downstream side of wooden bridge on Poole Rd., 4.6 miles east of Intersection of Hwy. 71 and Poole Rd., 1.8 miles upstream from confluence with Loggy Bayou, and approximately 25 miles south of Bossier City, La.

DRAINAGE AREA.--approximately 1,124 mi².

PERIOD OF RECORD.--WDR LA-00-1, published annual maximum only. October 2000 to current year (gage heights only).

REVISED RECORDS.--None.

GAGE.--Digital water-stage recorder at station. Datum of gage not determined.

REMARKS.--Gage operated as part of a flood alert system for Caddo and Bossier Parishes. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 33.17 ft, Mar. 6, 2001; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 21.85 ft, Feb. 27; minimum gage height, 7.32 ft, Aug. 18.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.59	8.28	7.58	16.80	8.80	21.21	11.92	8.38	8.23	7.83	7.69	7.83
2	7.60	8.18	7.55	16.14	8.71	20.78	11.77	8.42	7.89	7.78	7.56	7.62
3	7.64	8.47	7.64	16.05	8.70	20.53	11.58	8.27	7.71	8.16	7.53	7.49
4	7.70	8.10	8.17	16.05	8.31	20.66	11.49	8.07	7.64	8.46	7.73	7.62
5	7.60	9.87	8.27	16.47	8.20	20.34	11.36	8.02	7.50	8.21	7.80	7.72
6	7.61	9.01	7.90	16.55	8.57	19.71	11.33	8.07	8.26	7.85	7.67	7.85
7	7.75	8.58	7.91	15.65	8.59	18.92	13.71	8.07	7.68	7.98	7.59	7.95
8	7.66	8.68	7.88	14.85	8.45	18.19	13.67	8.10	7.73	7.72	7.59	7.84
9	7.44	8.56	7.72	14.53	8.07	17.18	12.99	7.98	7.96	7.67	7.68	7.59
10	7.57	8.55	7.79	14.08	8.40	16.37	12.58	8.12	8.06	7.88	7.80	7.69
11	7.93	8.32	7.86	13.84	8.53	15.47	12.27	8.43	7.97	7.92	7.84	7.71
12	7.84	7.99	8.02	13.04	8.73	14.96	12.04	8.39	8.08	7.93	7.86	7.64
13	7.72	8.12	8.95	12.19	8.50	14.46	12.00	8.44	7.97	7.83	8.14	7.82
14	7.82	8.02	8.85	11.67	8.47	14.04	11.63	8.70	8.01	7.78	7.99	7.61
15	7.70	7.87	8.47	11.46	8.68	13.53	11.43	9.47	8.10	7.91	7.85	7.44
16	7.71	7.82	8.33	11.33	9.31	13.32	11.03	10.82	7.76	7.98	7.73	7.60
17	7.86	7.65	8.39	10.90	9.60	13.05	10.71	10.57	7.96	7.83	7.61	7.78
18	7.77	7.86	8.70	10.58	9.60	12.62	10.54	10.42	8.22	7.82	7.40	7.70
19	7.77	7.86	9.22	10.53	9.76	13.16	10.19	10.67	8.19	7.81	7.59	7.80
20	7.91	7.75	10.03	9.93	10.39	13.25	9.93	11.15	8.18	7.61	7.62	7.70
21	7.82	7.71	9.59	9.62	15.13	13.08	9.75	11.17	8.62	7.62	7.59	7.56
22	7.77	7.65	8.95	9.49	19.58	13.31	9.55	11.49	8.38	7.82	7.83	7.62
23	7.86	7.63	9.76	9.16	20.97	13.28	9.46	11.53	8.23	7.86	7.74	7.58
24	8.27	7.77	14.67	9.12	21.14	13.48	9.22	10.91	8.13	7.79	7.62	7.63
25	8.67	7.75	14.30	9.24	21.06	13.32	9.01	10.60	8.63	7.69	7.53	7.76
26	9.35	7.55	13.26	9.03	21.18	13.49	8.87	10.54	7.98	7.82	7.54	7.65
27	8.75	7.59	13.01	8.69	21.73	13.22	8.76	9.98	8.38	7.80	7.63	7.62
28	8.37	7.58	13.30	8.88	21.74	12.87	8.65	9.54	8.27	7.79	7.84	7.61
29	8.55	7.68	13.38	8.86	---	12.94	8.60	8.97	7.95	7.77	7.64	7.54
30	8.36	7.85	14.21	9.08	---	---	8.50	8.58	7.85	7.72	7.62	7.65
31	8.22	---	16.60	9.15	---	12.28	---	8.22	---	7.76	7.82	---
MAX	9.35	9.87	16.60	16.80	21.74	21.21	13.71	11.53	8.63	8.46	8.14	7.95
MIN	7.44	7.55	7.55	8.69	8.07	12.28	8.50	7.98	7.50	7.61	7.40	7.44

07350500 RED RIVER AT COUSHATTA, LA

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

DRAINAGE AREA.--63,362 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Tur- bidity, NTU (00076)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, unfltrd mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (39086)
OCT 30...	0925	120	100	6.2	8.1	498	18.7	130	37.0	8.90	3.90	46.0	--
NOV 21...	1015	80	20	7.9	--	352	17.0	110	33.0	6.40	4.20	28.0	101
DEC 18...	1400	30	16	9.9	8.4	540	11.9	150	40.0	11.0	3.60	51.0	112
JAN 29...	0915	--	--	15.8	6.8	817	9.7	--	--	--	--	--	99
FEB 28...	1000	100	72	9.3	7.4	178	7.1	49	14.0	3.40	2.20	14.0	36
MAR 21...	1240	120	22	15.2	6.4	276	16.6	74	21.0	5.20	2.90	25.0	56
APR 23...	1545	80	6.4	5.1	7.8	336	21.6	110	31.0	7.70	2.80	27.0	95
JUN 26...	1245	30	6.0	7.0	7.9	479	27.1	110	31.0	9.10	3.30	41.0	80
JUL 24...	1310	25	6.6	--	7.3	1,060	29.4	250	64.0	22.0	4.80	120	129
AUG 27...	1230	10	4.1	--	7.3	1,040	32.8	240	62.0	21.0	4.60	120	122
SEP 23...	1235	30d	--	--	8.2	--	25.1	240	61.2	20.1	4.50	113	123

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
OCT 30...	53.0	0.2	55.0	265	285	97	0.90	0.12	0.420	<0.01	0.060	0.16	--
NOV 21...	27.0	0.2	33.0	192	215	17	0.80	0.06	0.200	<0.01	0.050	0.09	10.2
DEC 18...	65.0	0.2	64.0	302	321	19	1.5	0.18	0.110	<0.01	0.050	0.10	9.3
JAN 29...	--	--	--	--	--	--	0.80	0.11	0.280	0.01	0.020	0.05	7.9
FEB 28...	17.0	<0.1	16.0	88	102	62	0.70	0.08	0.100	0.02	0.070	0.12	--
MAR 21...	29.0	0.1	31.0	123	165	21	0.60	0.07	0.090	0.01	0.040	0.06	9.0
APR 23...	30.0	0.1	30.0	186	208	7	0.40	0.13	0.020	<0.01	0.040	0.03	9.9
JUN 26...	59.0	0.2	54.0	246	268	16	0.70	0.04	0.030	<0.01	0.040	0.07	9.1
JUL 24...	170	0.2	130	588	629	10	--	--	--	--	--	--	8.0
AUG 27...	180	0.2	140	601	627	4	0.80	0.02	<0.020	<0.01	0.040	0.08	8.4
SEP 23...	163	0.2	122	554	581	<10	0.75	--	--	--	--	0.09	8.3

07350500 RED RIVER AT COUSHATTA, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep- tococci KF MF, col/ 100 mL (31673)	Total coli- form, M-Endo, immed, col/ 100 mL (31501)
OCT 30...	--	--	--	--	--
NOV 21...	--	E20	<2	13k	--
DEC 18...	--	20	24k	46k	443
JAN 29...	--	20	<4	112	320
FEB 28...	2.2	30	240	135	360
MAR 21...	6.1	30	280	<4	46k
APR 23...	0.2	30	<2	26k	100
JUN 26...	--	30	50	E19	--
JUL 24...	1.0	20	<4	4k	76k
AUG 27...	14.0	30	<20	20k	120k
SEP 23...	4.0	30	12k	<4	140

Remark codes used in this table:

< -- Less than
E -- Estimated value

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Arsenic water unfltrd ug/L (01002)	Beryll- ium, water, unfltrd recover- able, ug/L (01012)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Copper, water, unfltrd recover- able, ug/L (01042)	Cyanide water unfltrd mg/L (00720)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71900)	Nickel, water, unfltrd recover- able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Zinc, water, unfltrd recover- able, ug/L (01092)
JAN 29...	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
APR 23...	1	<1	<1.0	1.1	1.0	<0.01	36	<1	14	<0.1	1.7	<1	<2
JUL 24...	2	<1	<1.0	1.7	1.8	<0.01	219	<1	126	<0.1	3.1	2	3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Oil and grease, water, unfltrd freon extract mg/L (00556)	Phen- olic com- pounds, water, unfltrd ug/L (32730)
JAN 29...	<7	<16
APR 23...	E5n	<16
JUL 24...	<7n	<16

Remark codes used in this table:

< -- Less than
E -- Estimated value

Value qualifier codes used in this table:

n -- Below the NDV

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA

LOCATION.--Lat 32°18'00", long 93°49'40", in SW ¼ 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 NGVD of 1929 (levels by Corps of Engineers).

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 24	1000	3,110	10.91	Feb 22	0830	*4,260	*11.22

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	2.6	4.2	1,370	12	106	11	1.3	0.34	0.15	0.39	1.2
2	0.00	2.2	4.2	317	11	76	10	1.4	0.36	0.15	0.39	1.6
3	0.00	2.3	4.3	70	11	61	9.5	1.2	0.35	0.16	0.59	1.6
4	0.00	2.8	64	37	9.7	61	9.0	0.79	0.32	0.13	0.66	2.7
5	0.00	154	160	29	8.5	65	9.3	0.75	0.33	0.15	0.65	2.7
6	0.00	59	17	24	34	57	97	0.80	0.41	0.31	0.55	1.6
7	0.00	4.8	5.4	19	218	50	1,480	0.74	0.90	0.39	0.46	1.3
8	0.00	2.1	3.1	17	68	44	456	0.93	0.69	0.34	0.36	1.1
9	0.00	1.3	2.0	16	39	39	63	1.0	0.50	0.33	0.28	1.1
10	0.00	1.6	1.5	15	76	35	36	0.84	0.47	0.27	0.22	1.0
11	0.00	1.5	1.1	13	56	32	24	0.64	0.47	0.29	0.19	1.0
12	1.1	1.6	1.4	12	37	29	17	0.45	0.50	0.37	0.79	1.3
13	1.3	1.8	369	10	26	28	11	0.36	0.81	0.54	2.0	2.1
14	0.90	2.1	232	11	22	28	8.2	0.32	2.4	0.39	1.3	2.5
15	0.84	2.4	14	11	43	28	5.9	0.45	137	0.28	0.95	2.0
16	0.80	2.5	5.4	9.5	53	25	4.7	0.48	20	0.21	0.88	1.7
17	0.77	2.6	3.4	8.2	35	24	3.9	0.38	57	0.18	0.90	1.5
18	0.75	2.8	2.3	7.2	25	44	3.5	0.26	529	0.17	0.83	1.4
19	0.96	2.9	3.6	8.2	20	510	3.0	0.40	27	0.18	0.73	1.3
20	1.00	2.9	25	8.4	166	230	3.8	0.13	0.50	0.36	0.62	1.1
21	1.3	3.0	6.6	8.6	2,770	63	12	0.09	0.11	0.34	0.54	1.3
22	1.9	3.0	3.2	8.4	3,860	46	6.0	0.13	0.05	0.26	0.53	1.7
23	1.8	3.1	144	7.9	1,380	35	2.8	0.16	0.04	0.27	0.52	2.3
24	1.7	3.2	2,430	7.0	253	29	2.2	0.17	0.04	0.44	0.52	2.6
25	1.8	3.1	886	6.4	141	27	3.0	0.19	0.05	0.83	0.51	1.7
26	1.6	3.6	104	11	285	26	3.1	0.21	0.07	0.75	0.47	1.1
27	1.6	3.8	44	34	471	32	3.7	0.24	0.09	0.61	0.40	0.69
28	1.8	5.0	31	23	232	29	2.1	0.29	0.10	0.46	0.47	0.42
29	2.7	4.6	23	18	---	e24	1.7	0.37	0.10	0.35	0.53	0.25
30	4.2	4.6	22	16	---	e18	1.5	0.34	0.12	0.33	0.48	0.14
31	3.3	---	1,360	14	---	15	---	0.34	---	0.44	0.78	---
TOTAL	32.12	292.8	5,976.7	2,166.8	10,362.2	1,916	2,303.9	16.15	780.12	10.43	19.49	44.00
MEAN	1.04	9.76	193	69.9	370	61.8	76.8	0.52	26.0	0.34	0.63	1.47
MAX	4.2	154	2,430	1,370	3,860	510	1,480	1.4	529	0.83	2.0	2.7
MIN	0.00	1.3	1.1	6.4	8.5	15	1.5	0.09	0.04	0.13	0.19	0.14
AC-FT	64	581	11,850	4,300	20,550	3,800	4,570	32	1,550	21	39	87
CFSM	0.02	0.15	2.92	1.06	5.61	0.94	1.16	0.01	0.39	0.01	0.01	0.02
IN.	0.02	0.17	3.37	1.22	5.84	1.08	1.30	0.01	0.44	0.01	0.01	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

	MEAN	24.9	46.6	109	175	193	136	131	105	51.1	15.2	18.0	3.98
	MAX	370	437	534	1,014	452	388	603	517	436	196	454	106
	(WY)	(1950)	(1941)	(1941)	(1999)	(1990)	(1997)	(1997)	(1953)	(1986)	(1989)	(1955)	(1996)
	MIN	0.000	0.000	0.000	3.26	5.73	4.57	5.19	0.52	0.000	0.000	0.000	0.000
	(WY)	(1940)	(1940)	(1957)	(1956)	(1943)	(1986)	(1943)	(2003)	(1998)	(1954)	(1943)	(1939)

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	22,055.34		23,920.71		84.0	
ANNUAL MEAN	60.4		65.5		168	
HIGHEST ANNUAL MEAN					3.59	
LOWEST ANNUAL MEAN					1943	
HIGHEST DAILY MEAN	3,880	Apr 8	3,860	Feb 22	16,600	Jan 29, 1999
LOWEST DAILY MEAN	0.00	Aug 31	a0.00		b0.00	
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 31	a0.00		b0.00	
MAXIMUM PEAK FLOW			4,260	Feb 22	27,200	Jan 29, 1999
MAXIMUM PEAK STAGE			11.22	Feb 22	13.62	Aug 3, 1955
INSTANTANEOUS LOW FLOW			a0.00		b0.00	
INSTANTANEOUS LOW STAGE			c2.32	Oct 8	*	
ANNUAL RUNOFF (AC-FT)	43,750		47,450		60,840	
ANNUAL RUNOFF (CFSM)	0.92		0.99		1.27	
ANNUAL RUNOFF (INCHES)	12.43		13.48		17.29	
10 PERCENT EXCEEDS	67		63		116	
50 PERCENT EXCEEDS	8.3		2.1		4.8	
90 PERCENT EXCEEDS	0.00		0.19		0.00	

a Several days

b At times most years

c Also occurred Oct. 9

e Estimated

* Not determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.42	3.22	3.37	10.02	3.10	4.58	2.71	2.81	3.31	3.27	3.49	3.65
2	2.40	3.19	3.37	6.91	3.06	4.06	2.69	2.87	3.32	3.28	3.48	3.69
3	2.39	3.20	3.38	4.29	3.07	3.79	2.67	2.87	3.32	3.29	3.54	3.69
4	2.39	3.24	4.55	3.69	3.04	3.80	2.66	2.84	3.31	3.28	3.55	3.76
5	2.37	5.63	5.92	3.50	3.00	3.87	2.67	2.87	3.31	3.30	3.55	3.78
6	2.35	4.59	3.89	3.38	3.51	3.71	3.88	2.92	3.34	3.40	3.53	3.69
7	2.34	3.41	3.45	3.28	6.23	3.58	10.07	2.95	3.48	3.45	3.50	3.66
8	2.33	3.18	3.27	3.21	4.26	3.46	7.52	3.03	3.43	3.43	3.47	3.64
9	2.33	3.07	3.17	3.19	3.72	3.36	3.83	3.09	3.38	3.43	3.44	3.63
10	2.56	3.12	3.11	3.17	4.40	3.28	3.29	3.10	3.37	3.42	3.41	3.62
11	2.59	3.10	3.04	3.13	4.06	3.21	3.03	3.09	3.37	3.43	3.40	3.62
12	2.96	3.12	3.07	3.09	3.67	3.14	2.86	3.07	3.38	3.47	3.56	3.67
13	3.08	3.15	7.27	3.06	3.43	3.12	2.72	3.07	3.45	3.53	3.73	3.74
14	2.99	3.18	6.28	3.08	3.34	3.13	2.63	3.10	3.66	3.49	3.66	3.78
15	2.95	3.21	3.81	3.07	3.78	3.11	2.55	3.19	5.63	3.44	3.61	3.73
16	2.93	3.22	3.45	3.03	3.99	3.06	2.50	3.24	4.09	3.41	3.60	3.71
17	2.92	3.23	3.30	2.99	3.63	3.04	2.47	3.24	4.42	3.39	3.60	3.69
18	2.91	3.25	3.21	2.96	3.40	3.38	2.48	3.23	8.46	3.38	3.59	3.67
19	2.99	3.26	3.30	2.99	3.29	8.36	2.49	3.30	4.19	3.39	3.57	3.65
20	3.03	3.27	4.13	3.00	5.03	5.99	2.58	3.17	3.35	3.48	3.55	3.64
21	3.07	3.27	3.52	3.01	10.67	3.82	2.90	3.12	3.14	3.47	3.53	3.66
22	3.15	3.27	3.28	3.00	11.12	3.51	2.77	3.17	3.05	3.43	3.53	3.70
23	3.14	3.28	4.73	2.99	9.92	3.27	2.64	3.20	3.03	3.44	3.52	3.76
24	3.13	3.29	10.60	2.95	6.35	3.15	2.63	3.21	3.04	3.50	3.52	3.78
25	3.14	3.28	9.11	2.93	5.11	3.09	2.73	3.23	3.08	3.59	3.52	3.75
26	3.12	3.32	4.79	3.07	6.80	3.08	2.79	3.24	3.12	3.58	3.51	3.73
27	3.12	3.34	3.82	3.62	8.28	3.21	2.87	3.26	3.17	3.54	3.49	3.71
28	3.14	3.43	3.55	3.36	6.18	3.15	2.78	3.29	3.19	3.50	3.51	3.69
29	3.24	3.40	3.36	3.25	---	---	2.78	3.33	3.20	3.47	3.53	3.67
30	3.37	3.39	3.33	3.20	---	---	2.80	3.32	3.23	3.46	3.51	3.66
31	3.29	---	9.14	3.15	---	2.81	---	3.31	---	3.50	3.58	---
MAX	3.37	5.63	10.60	10.02	11.12	8.36	10.07	3.33	8.46	3.59	3.73	3.78
MIN	2.33	3.07	3.04	2.93	3.00	2.81	2.47	2.81	3.03	3.27	3.40	3.62

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 right 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 NGVD of 1929 (levels by Louisiana Department of Transportation and Development). Prior to September 1980, nonrecording gage at same site. Water stage recorder for Bayou Pierre near Powhatan (station 07351755) used as auxiliary gage for this station at datum 83.61 ft above sea level.

REMARKS.--Records good above 400 ft³/s, fair between 300 ft³/s and 400 ft³/s and poor below 300 ft³/s. Satellite telemetry at station.

AVERAGE DISCHARGE.--23 years, 1040 ft³/s, 753,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,700 ft³/s, Feb. 2, 1999, gage height, 30.86 ft; maximum gage height, 33.63 ft, May 19, 1989; minimum daily discharge, 12 ft³/s, June 10, 11, 15, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,700 ft³/s, Feb. 25, gage height, 25.54 ft; minimum daily discharge, 76 ft³/s, Oct. 5; minimum gage height, 4.79 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	259	161	6,870	373	8,450	507	112	88	141	201	129
2	82	198	145	7,800	300	7,650	429	97	87	151	514	140
3	128	482	168	7,760	266	6,140	406	94	93	123	329	165
4	135	785	1,530	6,440	262	4,410	374	111	113	148	203	509
5	76	4,370	3,090	4,530	193	3,230	377	110	99	151	170	433
6	127	5,100	2,960	2,890	319	2,700	349	95	84	164	164	251
7	104	4,300	2,430	2,170	808	2,410	357	91	132	149	145	182
8	112	3,190	1,960	1,830	1,000	2,080	1,060	100	134	117	126	163
9	170	2,350	1,630	1,490	1,010	1,870	1,550	96	106	137	114	159
10	125	1,880	1,350	1,290	1,050	1,640	1,600	95	89	121	106	129
11	147	1,460	1,150	1,100	954	1,510	1,550	108	103	333	109	130
12	303	1,210	999	988	855	1,280	1,530	95	124	558	119	174
13	311	921	1,710	1,040	799	1,220	1,270	97	129	284	175	398
14	208	715	2,260	934	771	1,140	1,220	94	119	196	472	455
15	167	547	2,240	752	641	1,050	1,060	85	492	146	491	302
16	156	412	1,930	627	621	869	896	191	1,000	143	301	219
17	138	304	1,720	545	586	816	896	443	1,370	129	219	158
18	124	240	1,350	525	543	849	660	349	1,730	227	197	142
19	131	193	1,700	446	479	965	552	228	1,290	214	167	143
20	163	178	1,830	479	524	994	380	179	1,020	184	135	137
21	192	171	1,670	501	3,870	1,040	357	200	686	161	157	149
22	191	142	1,570	459	8,510	860	327	131	651	132	138	701
23	155	158	1,320	370	9,910	788	258	161	617	510	114	834
24	139	133	4,910	325	10,500	689	221	183	486	193	121	613
25	150	141	6,510	306	10,600	618	267	114	365	136	113	322
26	171	146	7,700	380	10,400	641	214	133	301	145	111	217
27	213	138	8,020	461	9,770	682	176	115	163	146	106	161
28	247	164	6,840	386	9,080	746	148	85	214	118	109	138
29	362	166	4,840	412	---	556	129	86	150	108	131	140
30	350	154	3,100	362	---	466	107	84	126	122	131	125
31	382	---	4,690	344	---	475	---	87	---	139	112	---
TOTAL	5,596	30,607	83,483	54,812	84,994	58,834	19,227	4,249	12,161	5,726	5,800	7,918
MEAN	181	1,020	2,693	1,768	3,036	1,898	641	137	405	185	187	264
MAX	382	5,100	8,020	7,800	10,600	8,450	1,600	443	1,730	558	514	834
MIN	76	133	145	306	193	466	107	84	84	108	106	125
AC-FT	11,100	60,710	165,600	108,700	168,600	116,700	38,140	8,430	24,120	11,360	11,500	15,710
CAL YR	2002	TOTAL 308,653	MEAN 846	MAX 8,020	MIN 76	AC-FT 612,200						
WTR YR	2003	TOTAL 373,407	MEAN 1,023	MAX 10,600	MIN 76	AC-FT 740,700						

07351750 BAYOU PIERRE NEAR LAKE END, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.00	5.62	5.06	19.38	6.11	22.60	6.93	5.18	5.19	5.18	5.27	5.46
2	4.86	5.61	5.02	20.37	5.75	21.31	6.76	5.21	5.26	5.04	5.75	5.10
3	5.03	6.38	5.20	20.20	5.84	19.56	6.55	5.37	4.97	5.24	5.54	5.07
4	5.12	7.20	8.35	18.68	5.65	17.90	6.43	5.17	5.03	5.75	5.38	5.70
5	4.84	15.53	11.52	16.61	5.32	16.65	6.01	5.04	4.98	5.51	5.45	5.79
6	5.03	16.07	11.17	15.05	5.91	15.83	5.87	5.25	5.20	5.47	5.20	5.46
7	5.23	14.54	9.82	13.74	6.77	14.86	6.35	5.32	5.32	5.10	5.12	5.53
8	5.20	12.36	8.51	12.45	7.02	14.00	8.14	5.37	5.08	5.22	5.16	5.39
9	5.14	10.40	7.66	11.56	6.66	12.94	8.22	5.30	5.19	5.01	5.20	5.19
10	4.97	9.03	7.23	10.95	6.77	11.87	8.31	5.24	5.35	5.23	5.30	5.13
11	5.22	8.07	6.80	10.44	7.04	10.86	8.34	5.63	5.15	6.21	5.21	5.35
12	5.53	7.21	6.54	10.07	6.93	10.31	7.96	5.37	5.32	6.07	5.24	5.35
13	5.49	6.65	8.63	9.27	6.71	9.98	7.72	5.50	5.25	5.45	5.33	5.72
14	5.22	6.26	9.70	8.62	6.36	9.55	7.35	5.36	5.18	5.22	5.88	5.69
15	5.16	5.94	9.60	8.46	6.48	9.08	7.00	5.42	5.95	5.34	5.73	5.38
16	5.08	5.70	8.81	8.22	6.55	8.77	6.92	5.95	6.49	5.41	5.47	5.31
17	5.04	5.48	8.18	7.88	6.77	8.60	6.39	6.34	7.44	5.32	5.32	5.32
18	5.32	5.36	7.73	7.27	6.78	8.37	6.31	6.13	8.52	5.35	5.19	5.39
19	5.22	5.45	8.87	7.15	6.77	8.50	6.00	6.06	7.61	5.29	5.14	5.15
20	5.40	5.30	9.71	6.94	7.38	9.15	5.68	6.32	6.79	5.20	5.23	5.12
21	5.25	5.11	9.47	6.40	14.83	8.86	5.67	6.07	6.65	5.08	5.21	5.04
22	5.24	5.01	8.51	6.17	21.91	8.81	5.60	6.00	6.59	5.15	5.18	5.99
23	5.37	5.12	8.61	5.86	24.05	8.99	5.55	6.46	6.03	6.08	5.47	6.18
24	5.49	5.26	16.60	5.96	24.84	9.01	5.55	6.16	5.99	5.20	5.26	5.86
25	5.71	5.17	18.55	6.02	25.34	9.08	5.55	5.61	5.93	5.33	4.95	5.57
26	6.09	5.21	19.78	6.15	25.02	8.94	5.45	5.90	5.58	5.22	4.95	5.45
27	6.03	5.00	19.79	5.89	24.30	9.10	5.30	5.48	5.52	5.12	5.18	5.31
28	5.88	5.14	17.95	5.89	23.52	8.36	5.18	5.36	5.80	5.20	5.30	5.22
29	6.09	5.22	15.53	6.00	---	8.10	5.12	5.36	5.25	5.26	5.07	5.17
30	6.01	5.28	13.70	5.87	---	8.00	5.31	5.34	5.32	5.15	5.00	5.22
31	5.80	---	16.84	6.22	---	7.64	---	5.26	---	5.02	5.26	---
MAX	6.09	16.07	19.79	20.37	25.34	22.60	8.34	6.46	8.52	6.21	5.88	6.18
MIN	4.84	5.00	5.02	5.86	5.32	7.64	5.12	5.04	4.97	5.01	4.95	5.04

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 30°15'00", long 92°58'35", in SW $\frac{1}{4}$ sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi downstream from Sixmile Creek, and 1.0 mi east of Lucky.

DRAINAGE AREA.--154 mi².

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

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 152.65 ft above NGVD of 1929. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949 to Apr. 26, 1971, water-stage recorder, at same site and datum.

REMARKS.--Records good above 10 cfs and poor below. Satellite telemetry at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 26	0000	*2,160	*8.04	May 16	0900	1,030	7.10
Feb 23	2200	1,950	7.90				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	33	53	673	69	1,000	76	26	18	21	41	19
2	18	33	50	664	67	850	70	25	17	22	29	20
3	20	43	56	666	65	599	64	24	17	32	22	21
4	42	71	259	584	63	383	59	24	17	26	17	23
5	34	546	450	371	61	291	57	24	16	27	14	22
6	24	690	390	230	91	326	116	24	16	34	14	17
7	22	455	311	171	178	342	285	27	17	28	13	13
8	22	321	187	138	221	278	643	27	18	23	13	11
9	21	138	105	119	224	224	899	24	17	23	13	11
10	23	59	78	108	191	181	811	22	16	63	13	10
11	24	43	68	99	180	149	487	22	15	70	13	9.5
12	23	40	66	91	182	128	221	21	17	51	13	11
13	23	39	117	84	142	132	130	19	27	29	16	22
14	22	40	156	78	109	248	95	20	28	23	19	23
15	22	45	180	75	102	291	76	292	29	24	18	20
16	22	47	172	72	99	371	61	927	33	29	16	15
17	22	45	113	69	95	285	52	660	34	28	15	12
18	22	45	85	67	87	213	47	573	42	41	14	9.6
19	26	45	160	65	79	295	43	573	32	32	13	8.8
20	55	45	414	64	105	406	48	328	40	26	13	8.4
21	63	45	414	64	478	444	90	129	31	21	13	9.7
22	41	45	409	63	1,140	325	94	66	23	19	16	64
23	28	45	353	61	1,650	201	67	47	20	17	17	62
24	25	45	1,230	59	1,660	145	60	38	18	21	16	31
25	28	47	1,790	57	1,300	115	105	34	17	24	15	16
26	37	50	1,870	67	1,090	160	79	30	16	19	14	12
27	45	54	1,240	71	921	176	49	28	22	16	13	10
28	54	55	842	70	925	186	37	25	24	15	14	8.7
29	56	54	501	71	---	164	31	23	21	14	16	7.5
30	47	54	287	77	---	119	28	21	20	13	17	7.1
31	36	---	433	72	---	91	---	20	---	21	19	---
TOTAL	965	3,317	12,839	5,220	11,574	9,118	4,980	4,143	678	852	509	534.3
MEAN	31.1	111	414	168	413	294	166	134	22.6	27.5	16.4	17.8
MAX	63	690	1,870	673	1,660	1,000	899	927	42	70	41	64
MIN	18	33	50	57	61	91	28	19	15	13	13	7.1
AC-FT	1,910	6,580	25,470	10,350	22,960	18,090	9,880	8,220	1,340	1,690	1,010	1,060
CFSM	0.20	0.72	2.69	1.09	2.68	1.91	1.08	0.87	0.15	0.18	0.11	0.12
IN.	0.23	0.80	3.10	1.26	2.80	2.20	1.20	1.00	0.16	0.21	0.12	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2003, BY WATER YEAR (WY)

MEAN	43.3	117	222	329	337	313	268	242	110	61.3	31.0	39.8
MAX	310	713	994	1,154	925	1,163	999	1,122	652	1,010	177	280
(WY)	(1946)	(1958)	(2002)	(1999)	(1983)	(2001)	(1991)	(1953)	(1959)	(1989)	(1955)	(1958)
MIN	5.73	11.9	25.0	24.4	24.7	42.4	27.3	14.3	12.0	5.60	4.17	4.45
(WY)	(1968)	(1944)	(1944)	(2000)	(2000)	(1996)	(1978)	(1988)	(1985)	(1966)	(2000)	(1982)

07352000 SALINE BAYOU NEAR LUCKY, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1941 - 2003	
ANNUAL TOTAL	74,762.0		54,729.3		175	
ANNUAL MEAN	205		150		371	
HIGHEST ANNUAL MEAN					1975	
LOWEST ANNUAL MEAN					1963	
HIGHEST DAILY MEAN	3,300	Jan 26	1,870	Dec 26	11,100	Jan 1, 1945
LOWEST DAILY MEAN	8.5	Jul 12	7.1	Sep 30	1.4	Sep 6, 2000
ANNUAL SEVEN-DAY MINIMUM	9.5	Aug 1	12	Sep 6	1.9	Aug 31, 2000
MAXIMUM PEAK FLOW			2,160	Dec 26	a13,500	Jan 1, 1945
MAXIMUM PEAK STAGE			8.04	Dec 26	12.90	Jan 1, 1945
INSTANTANEOUS LOW FLOW			6.9	Sep 30	4.4	Sep 10, 1998
INSTANTANEOUS LOW STAGE			c2.91	Jul 30	b1.66	Aug 7, 1964
ANNUAL RUNOFF (AC-FT)	148,300		108,600		127,100	
ANNUAL RUNOFF (CFSM)	1.33		0.97		1.14	
ANNUAL RUNOFF (INCHES)	18.06		13.22		15.47	
10 PERCENT EXCEEDS	512		414		435	
50 PERCENT EXCEEDS	46		45		60	
90 PERCENT EXCEEDS	11		15		11	

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

b Also occurred Aug 8, 1964

c Also occurred Jul 31

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.38	3.87	4.25	6.66	4.50	7.07	4.59	3.70	3.32	3.28	3.81	3.49
2	3.37	3.89	4.22	6.65	4.46	6.89	4.51	3.68	3.29	3.33	3.51	3.50
3	3.45	4.08	4.30	6.65	4.43	6.54	4.42	3.66	3.28	3.63	3.31	3.57
4	3.98	4.43	5.63	6.52	4.42	6.09	4.35	3.65	3.25	3.45	3.13	3.64
5	3.83	6.41	6.26	6.05	4.38	5.83	4.33	3.65	3.23	3.46	3.03	3.61
6	3.59	6.68	6.11	5.61	4.71	5.94	4.89	3.66	3.23	3.66	3.04	3.44
7	3.53	6.26	5.89	5.34	5.37	5.98	5.75	3.73	3.28	3.47	3.01	3.30
8	3.51	5.91	5.40	5.14	5.58	5.79	6.61	3.73	3.30	3.30	3.00	3.21
9	3.50	5.09	4.88	5.00	5.59	5.59	6.95	3.66	3.26	3.29	3.01	3.18
10	3.55	4.34	4.61	4.91	5.44	5.39	6.84	3.60	3.23	4.24	3.03	3.16
11	3.58	4.09	4.48	4.83	5.39	5.21	6.31	3.59	3.20	4.33	3.05	3.13
12	3.58	4.04	4.45	4.75	5.40	5.07	5.56	3.57	3.25	4.00	3.06	3.20
13	3.56	4.01	4.98	4.67	5.16	5.09	5.08	3.50	3.59	3.47	3.18	3.68
14	3.55	4.04	5.25	4.61	4.92	5.68	4.79	3.51	3.63	3.29	3.28	3.71
15	3.54	4.12	5.39	4.57	4.85	5.82	4.58	5.58	3.64	3.31	3.25	3.62
16	3.54	4.16	5.34	4.54	4.83	6.06	4.39	6.98	3.76	3.48	3.21	3.45
17	3.54	4.12	4.95	4.49	4.79	5.80	4.25	6.64	3.76	3.47	3.15	3.30
18	3.55	4.13	4.68	4.46	4.71	5.54	4.15	6.50	3.95	3.81	3.12	3.20
19	3.66	4.14	5.21	4.44	4.62	5.84	4.10	6.50	3.71	3.57	3.11	3.16
20	4.23	4.12	6.16	4.42	4.86	6.15	4.18	5.92	3.89	3.39	3.10	3.15
21	4.38	4.13	6.17	4.42	6.23	6.24	4.74	5.03	3.67	3.24	3.12	3.22
22	4.01	4.13	6.16	4.41	7.21	5.92	4.77	4.39	3.43	3.15	3.24	4.47
23	3.74	4.13	6.01	4.38	7.66	5.48	4.46	4.08	3.32	3.09	3.31	4.47
24	3.67	4.13	7.23	4.35	7.67	5.18	4.36	3.90	3.24	3.21	3.28	3.95
25	3.74	4.15	7.78	4.33	7.37	4.97	4.88	3.79	3.18	3.33	3.24	3.54
26	3.95	4.21	7.84	4.46	7.16	5.27	4.61	3.70	3.14	3.16	3.21	3.40
27	4.11	4.28	7.31	4.52	6.98	5.37	4.19	3.65	3.36	3.05	3.16	3.31
28	4.27	4.29	6.88	4.50	6.99	5.42	3.97	3.57	3.43	3.00	3.21	3.24
29	4.30	4.27	6.35	4.52	---	5.30	3.85	3.50	3.31	2.96	3.33	3.17
30	4.15	4.28	5.81	4.59	---	5.00	3.76	3.44	3.26	2.93	3.37	3.16
31	3.96	---	6.21	4.54	---	4.75	---	3.37	---	3.21	3.48	---
MAX	4.38	6.68	7.84	6.66	7.67	7.07	6.95	6.98	3.95	4.33	3.81	4.47
MIN	3.37	3.87	4.22	4.33	4.38	4.75	3.76	3.37	3.14	2.93	3.00	3.13

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW ¼, SE ¼ 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 NGVD of 1929. Prior to Oct. 1, 1980, at datum 6.00 ft higher.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.30 ft, Mar. 1; minimum gage height, 8.72 ft, Oct. 2, 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.74	9.26	9.22	11.52	9.46	13.28	9.75	9.27	9.45	9.18	9.32	8.91
2	8.73	9.24	9.21	11.56	9.45	13.17	9.69	9.24	9.39	9.16	9.29	8.95
3	8.81	9.38	9.23	11.54	9.46	12.92	9.64	9.20	9.36	9.14	9.25	8.99
4	8.85	9.51	9.46	11.44	9.45	12.61	9.60	9.18	9.30	9.13	9.22	9.02
5	8.84	10.29	9.66	11.29	9.42	12.27	9.60	9.19	9.27	9.13	9.19	9.02
6	8.84	10.48	9.76	11.10	9.49	11.96	9.58	9.15	9.28	9.14	9.17	9.00
7	8.87	10.48	9.85	10.89	9.55	11.61	9.60	9.12	9.28	9.14	9.15	8.99
8	8.86	10.40	9.92	10.70	9.55	11.30	9.61	9.10	9.27	9.15	9.12	8.98
9	8.85	10.31	9.95	10.54	9.60	11.05	9.55	9.10	9.24	9.14	9.11	8.97
10	8.87	10.22	9.93	10.41	9.65	10.84	9.49	9.12	9.22	9.07	9.09	8.96
11	8.87	10.11	9.87	10.28	9.69	10.64	9.46	9.18	9.21	9.15	9.09	8.95
12	8.86	9.99	9.83	10.17	9.72	10.47	9.47	9.17	9.20	9.15	9.09	8.98
13	8.87	9.87	9.85	10.07	9.73	10.35	9.50	9.18	9.24	9.13	9.10	9.07
14	8.85	9.76	9.82	9.98	9.73	10.24	9.54	9.18	9.30	9.24	9.08	9.09
15	8.85	9.71	9.79	9.87	9.75	10.14	9.57	9.23	9.30	9.31	9.07	9.10
16	8.82	9.63	9.78	9.84	9.76	10.05	9.62	9.21	9.28	9.34	9.06	9.11
17	8.81	9.54	9.77	9.72	9.69	9.98	9.67	9.24	9.27	9.39	9.04	9.13
18	8.79	9.47	9.75	9.65	9.64	9.95	9.66	9.23	9.30	9.41	9.03	9.15
19	8.82	9.44	9.80	9.59	9.62	9.98	9.62	9.24	9.27	9.40	9.02	9.17
20	9.01	9.40	9.78	9.55	9.69	9.98	9.59	9.28	9.23	9.38	9.00	9.18
21	9.05	9.36	9.80	9.52	10.15	9.95	9.58	9.32	9.19	9.34	9.00	9.22
22	9.07	9.33	9.88	9.50	10.85	9.94	9.54	9.37	9.24	9.29	9.06	9.34
23	9.07	9.29	9.99	9.46	11.41	9.92	9.48	9.40	9.30	9.38	9.05	9.34
24	9.07	9.26	10.80	9.42	11.91	9.87	9.49	9.47	9.29	9.34	9.04	9.34
25	9.09	9.26	11.37	9.40	12.34	9.84	9.50	9.56	9.27	9.29	9.02	9.34
26	9.11	9.26	11.70	9.43	12.70	9.86	9.45	9.58	9.27	9.26	9.00	9.34
27	9.14	9.26	11.76	9.43	12.95	9.87	9.42	9.57	9.27	9.23	8.98	9.34
28	9.20	9.23	11.61	9.43	13.18	9.88	9.39	9.57	9.24	9.21	8.96	9.33
29	9.30	9.22	11.40	9.46	---	9.90	9.35	9.55	9.20	9.18	8.95	9.30
30	9.29	9.24	11.18	9.47	---	9.87	9.31	9.50	9.18	9.16	8.93	9.27
31	9.28	---	11.42	9.47	---	9.81	---	9.50	---	9.22	8.92	---
MAX	9.30	10.48	11.76	11.56	13.18	13.28	9.75	9.58	9.45	9.41	9.32	9.34
MIN	8.73	9.22	9.21	9.40	9.42	9.81	9.31	9.10	9.18	9.07	8.92	8.91

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 NGVD of 1929 (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. Reservoir is used for recreation. Satellite telemetry at station.

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, 5.49 ft, Feb. 22; minimum gage height, 2.19 ft, Oct. 2, 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.20	3.22	3.18	4.27	3.33	3.74	3.26	3.15	2.89	3.13	3.08	2.91
2	2.19	3.17	3.17	4.28	3.30	3.67	3.24	3.13	2.88	3.10	3.10	2.94
3	2.27	3.27	3.18	4.05	3.29	3.60	3.23	3.11	2.87	3.08	3.09	2.94
4	2.44	3.64	3.79	3.84	3.28	3.62	3.23	3.08	2.85	3.06	3.07	2.95
5	2.46	4.61	4.20	3.68	3.25	3.61	3.26	3.07	2.83	3.06	3.05	2.95
6	2.46	4.69	4.01	3.56	3.33	3.59	3.27	3.06	2.84	3.06	3.04	2.93
7	2.48	4.35	3.84	3.49	3.50	3.54	3.34	3.06	2.87	3.06	3.04	2.92
8	2.48	3.99	3.67	3.44	3.55	3.50	3.37	3.05	2.86	3.06	3.03	2.90
9	2.48	3.72	3.52	3.40	3.56	3.46	3.32	3.04	2.85	3.07	3.02	2.89
10	2.49	3.54	3.44	3.38	3.54	3.42	3.27	3.03	2.83	3.09	3.00	2.88
11	2.48	3.44	3.38	3.35	3.49	3.38	3.24	3.04	2.81	3.11	2.98	2.86
12	2.48	3.37	3.36	3.33	3.45	3.38	3.23	3.03	2.89	3.15	2.98	2.89
13	2.47	3.31	3.63	3.32	3.40	3.56	3.21	3.02	3.13	3.15	2.98	2.96
14	2.46	3.28	3.68	3.30	3.36	3.77	3.19	3.02	3.30	3.19	2.97	2.98
15	2.44	3.28	3.64	3.29	3.35	3.74	3.17	3.04	3.29	3.17	2.96	2.98
16	2.42	3.27	3.55	3.29	3.38	3.65	3.16	3.05	3.26	3.15	2.94	2.97
17	2.40	3.24	3.46	3.26	3.34	3.55	3.16	3.10	3.22	3.14	2.94	2.95
18	2.39	3.22	3.39	3.25	3.32	3.49	3.15	3.10	3.19	3.19	2.92	2.94
19	2.39	3.21	3.38	3.24	3.30	3.51	3.13	3.08	3.17	3.24	2.91	2.93
20	2.57	3.20	3.37	3.24	3.32	3.47	3.13	3.06	3.15	3.20	2.90	2.92
21	2.74	3.19	3.35	3.24	3.96	3.42	3.14	3.05	3.15	3.17	2.92	2.92
22	2.82	3.18	3.35	3.24	5.17	3.37	3.12	3.03	3.14	3.14	2.96	2.96
23	2.86	3.17	3.36	3.22	5.19	3.34	3.11	3.01	3.11	3.12	2.95	2.96
24	2.87	3.16	4.47	3.20	4.55	3.30	3.16	2.99	3.09	3.12	2.94	2.96
25	2.91	3.16	4.96	3.19	4.13	3.28	3.38	2.98	3.07	3.15	2.92	2.95
26	3.00	3.17	4.58	3.26	3.90	3.34	3.40	2.98	3.08	3.16	2.91	2.94
27	3.08	3.17	4.15	3.32	3.81	3.45	3.32	2.97	3.17	3.14	2.89	2.94
28	3.22	3.16	3.87	3.32	3.77	3.45	3.26	2.95	3.19	3.12	2.88	2.94
29	3.33	3.16	3.68	3.36	---	3.41	3.21	2.94	3.17	3.09	2.88	2.91
30	3.32	3.17	3.57	3.39	---	3.34	3.17	2.92	3.15	3.07	2.88	2.89
31	3.27	---	3.93	3.36	---	3.29	---	2.90	---	3.06	2.89	---
MAX	3.33	4.69	4.96	4.28	5.19	3.77	3.40	3.15	3.30	3.24	3.10	2.98
MIN	2.19	3.16	3.17	3.19	3.25	3.28	3.11	2.90	2.81	3.06	2.88	2.86

07355500 RED RIVER AT ALEXANDRIA, LA

LOCATION.--Lat 31°18'46", long 92°26'34", in SE ¼ 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 TEMPERATURE: October 1952 to September 1963, June 1973 to September 1984.

CHLORIDE: October 1974 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1982.

REMARKS.--All dissolved constituents are results from water that has been filtered through 0.45 micron filters. Sample is a dip sample from centrum of flow.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURE: Maximum daily, 34.0 oC Aug. 2, 8, 10, 1956; minimum daily, 0.0 oC 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 2002 TO SEPTEMBER 2003

Date	Time	Color, water, ftrd, Pt-Co units (00080)	Tur- bidity, NTU (00076)	Dis- solved oxygen, mg/L (00300)	pH, water, unftrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, unftrd mg/L as CaCO3 (00900)	Calcium water, ftrd, mg/L (00915)	Magnes- ium, water, ftrd, mg/L (00925)	Potas- sium, water, ftrd, mg/L (00935)	Sodium, water, ftrd, mg/L (00930)	Alka- linity, wat ftr inc tit field, mg/L as CaCO3 (39086)
OCT 30...	1300	40	22	5.2	8.4	591	21.5	160	42.0	13.0	3.70	56.0	109
NOV 20...	1130	80	24	7.8	6.5	257	16.0	75	22.0	4.90	3.50	21.0	62
DEC 18...	1100	80	21	9.7	7.6	440	14.2	130	36.0	9.40	3.40	38.0	110
JAN 29...	1300	--	--	15.8	7.2	518	13.2	--	--	--	--	--	79
FEB 28...	1300	120	65	8.3	7.7	163	9.0	44	12.0	3.30	2.10	13.0	33
MAR 21...	0950	120	22	15.6	6.6	267	16.7	71	20.0	5.10	2.50	23.0	51
APR 23...	1340	80	9.1	6.0	7.6	219	21.4	71	20.0	5.20	2.40	16.0	65
MAY 28...	1055	30	10	--	6.4	390	26.0	100	27.0	7.90	2.90	37.0	--
JUN 26...	0930	20	1.6	7.3	7.8	685	21.7	180	47.0	15.0	3.80	65.0	113
JUL 24...	1050	25	4.1	--	6.3	516	30.4	140	36.0	12.0	3.60	49.0	91
AUG 27...	1030	10	3.7	--	6.8	217	31.5	230	58.0	20.0	4.30	100	102
SEP 23...	1015	25	--	--	--	903	--	230	58.8	19.0	4.35	99.0	133

07355500 RED RIVER AT ALEXANDRIA, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
OCT 30...	75.0	0.2	66.0	321	354	20	0.80	0.11	0.170	0.02	0.080	0.09	9.2
NOV 20...	20.0	0.1	27.0	136	166	14	0.80	0.09	0.290	<0.01	0.090	0.13	10.6
DEC 18...	45.0	0.1	49.0	247	268	19	0.80	0.08	0.090	<0.01	0.050	0.09	8.6
JAN 29...	--	--	--	--	--	--	0.60	0.10	0.220	0.01	0.020	0.06	8.0
FEB 28...	16.0	<0.1	16.0	82	107	42	0.80	0.10	0.100	0.02	0.070	0.12	11.9
MAR 21...	31.0	<0.1	30.0	142	167	16	0.60	0.04	0.100	0.01	0.050	0.07	8.9
APR 23...	18.0	<0.1	18.0	118	134	10	0.60	0.03	0.050	<0.01	0.040	0.06	9.8
MAY 28...	51.0	0.1	43.0	208	229	2	--	--	--	--	--	--	--
JUN 26...	89.0	0.2	81.0	368	388	5	0.60	0.03	0.050	<0.01	0.040	0.06	7.8
JUL 24...	63.0	0.2	54.0	272	310	9	--	--	--	--	--	--	7.8
AUG 27...	140	0.2	110	493	555	4	0.60	0.04	<0.020	<0.01	0.040	0.06	6.6
SEP 23...	144	0.2	109	516	543	<10	0.62	--	--	--	--	0.10	7.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep- tococci KF MF, col/ 100 mL (31673)	Total coli- form, M-Endo, immed, col/ 100 mL (31501)
OCT 30...	--	20	--	--	--
NOV 20...	--	E20	63k	14k	183
DEC 18...	2.9	30	412	96	940k
JAN 29...	3.4	30	16k	--	673k
FEB 28...	1.6	30	108	71	298
MAR 21...	4.5	--	567	<4	14k
APR 23...	1.2	30	<2	13k	80
MAY 28...	--	--	10	38	32
JUN 26...	--	20	--	--	--
JUL 24...	5.0	20	8	30	82
AUG 27...	--	30	<4	4k	73k
SEP 23...	2.0	20	105	52	16

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

k -- Counts outside acceptable range

07355500 RED RIVER AT ALEXANDRIA, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Arsenic water unfltrd ug/L (01002)	Beryll- ium, water, unfltrd recover- able, ug/L (01012)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Copper, water, unfltrd recover- able, ug/L (01042)	Cyanide water unfltrd mg/L (00720)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71900)	Nickel, water, unfltrd recover- able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Zinc, water, unfltrd recover- able, ug/L (01092)
OCT 30...	2	<1	<1.0	<1.0	1.3	<0.01	682	<1	80	<0.1	1.8	<1	5
DEC 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 29...	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
APR 23...	2	<1	<1.0	<1.0	1.9	<0.01	656	<1	59	<0.1	1.9	<1	11
JUN 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 24...	1	<1	<1.0	1.2	1.2	<0.01	6	<1	5	<0.1	1.9	2	<2
AUG 27...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Oil and grease, water, unfltrd freon extract mg/L (00556)	2,4,5-T water unfltrd ug/L (39740)	2,4-D water unfltrd ug/L (39730)	Aldrin, water, unfltrd ug/L (39330)	alpha- Endo- sulfan, water, unfltrd ug/L (39388)	Carbo- pheno- thion, water, unfltrd ug/L (39786)	Chlor- dane, tech- nical, water, unfltrd ug/L (39350)	Chlor- pyrifos water unfltrd ug/L (38932)	Diazi- non, water, unfltrd ug/L (39570)	Di- chlor- prop, water, unfltrd ug/L (82183)	Diel- drin, water, unfltrd ug/L (39380)	Disul- foton, water, unfltrd ug/L (39011)	Endrin, water, unfltrd ug/L (39390)
OCT 30...	<7	<0.02	<0.02	<0.01	<0.02	<0.02	<0.1	<0.01	<0.02	<0.02	<0.017	<0.10	<0.02
DEC 18...	--	--	--	<0.01	<0.02	<0.02	<0.1	<0.01	<0.02	--	<0.017	<0.10	<0.02
JAN 29...	<7	--	--	--	--	--	--	--	--	--	--	--	--
APR 23...	<7	<0.01	0.12	<0.01	<0.01	<0.04	<0.1	<0.03	<0.04	<0.02	<0.017	<0.20	<0.02
JUN 26...	--	<0.01	0.03	<0.01	<0.01	<0.02	<0.1	<0.01	<0.02	<0.02	<0.017	<0.10	<0.02
JUL 24...	<7	--	--	--	--	--	--	--	--	--	--	--	--
AUG 27...	--	<0.01	E.01n	<0.01	<0.01	<0.02	<0.1	<0.01	<0.02	<0.02	<0.017	<0.10	<0.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ethion, water, unfltrd ug/L (39398)	Fonofos water unfltrd ug/L (82614)	Hepta- chlor epoxide water unfltrd ug/L (39420)	Hepta- chlor, water, unfltrd ug/L (39410)	Lindane water, unfltrd ug/L (39340)	Malathion, water, unfltrd ug/L (39530)	Methyl para- thion, water, unfltrd ug/L (39600)	Mirex, water, unfltrd ug/L (39755)	p,p'- DDD, water, unfltrd ug/L (39360)	p,p'- DDE, water, unfltrd ug/L (39365)	p,p'- DDT, water, unfltrd ug/L (39370)	p,p'- Meth- oxy- chlor, water, unfltrd ug/L (39480)	Para- thion, water, unfltrd ug/L (39540)
OCT 30...	<0.01	<0.01	<0.009	<0.01	<0.014	<0.10	<0.01	<0.012	<0.016	<0.014	<0.009	<0.020	<0.01
DEC 18...	<0.01	<0.01	<0.009	<0.01	<0.014	<0.10	<0.01	<0.012	<0.016	<0.014	<0.009	<0.020	<0.01
JAN 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 23...	<0.03	<0.02	<0.009	<0.01	<0.014	<0.30	<0.03	<0.012	<0.016	<0.014	<0.009	<0.015	<0.02
JUN 26...	<0.01	<0.01	<0.009	<0.01	<0.014	<0.10	<0.01	<0.012	<0.016	<0.014	<0.009	<0.015	<0.01
JUL 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 27...	<0.01	<0.01	<0.009	<0.01	<0.014	<0.10	<0.01	<0.012	<0.016	<0.014	<0.009	<0.015	<0.01

07355500 RED RIVER AT ALEXANDRIA, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	PCBs, water, unfltrd ug/L (39516)	Phen- olic com- pounds, water, unfltrd ug/L (32730)	Phorate water unfltrd ug/L (39023)	Silvex, water, unfltrd ug/L (39760)	Toxa- phene, water, unfltrd ug/L (39400)	Tribu- phos, water, unfltrd ug/L (39040)
OCT 30...	<0.1	<16	<0.02	<0.01	<1	<0.02
DEC 18...	<0.1	--	<0.02	--	<1	<0.02
JAN 29...	--	<16	--	--	--	--
APR 23...	<0.1	<16	<0.04	<0.02	<1	<0.04
JUN 26...	<0.1	--	<0.02	<0.02	<1	<0.02
JUL 24...	--	<16	--	--	--	--
AUG 27...	<0.1	--	<0.02	<0.02	<1	<0.02

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

n -- Below the NDV

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'55", long 92°05'16", in SE ¼ NE ¼ 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 NGVD of 1929 (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder with telemetry for Ouachita River at Sterlington (station 07364535) used as auxiliary gage for this station. Prior to Oct. 1, 1980, water-stage recorder for Ouachita River at Alabama Landing near Haile (station 07364103) was used as auxiliary gage for this station.

REMARKS.--Records poor. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 29.77 ft, Mar. 10; minimum daily discharge, e1,050 ft³/s, Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1,170	e1,670	e1,350		e8,860			3,940	2,240		e4,000	e3,460
2	e1,140	e1,620	e1,390		e9,840			4,410	2,920		e4,270	e3,390
3	e1,050	e1,610	e1,300		e8,270			3,770	3,270		e5,300	e3,380
4	e1,860	e1,570	e1,590		e6,080		e15,500	2,610	2,280		e4,110	e4,030
5	e1,380	e4,570	e1,740		e3,560		e14,400	2,870	2,670		e4,170	e3,960
6	e1,270	e6,250	e2,010		e4,680		e15,600	3,940	3,200		e3,950	e3,410
7	e1,310	e7,480	e3,860		e6,820		e16,600	5,990	3,420		e3,880	e2,130
8	e1,360	e8,440	e4,950		e7,470		e17,400	9,910	3,640		e3,740	e1,940
9	e1,400	e8,000	e4,950		e9,140		16,800	13,600	4,760		e3,790	e2,190
10	e1,460	e6,520	e3,420		e9,950		15,600	16,500	4,240		e3,740	e1,890
11	e1,470	e6,010	e1,450		e9,350		15,000	18,200	2,800		e3,280	e1,700
12	e1,830	e5,220	e1,660		e7,870		13,300	e19,200	e4,690		e3,220	e2,600
13	e2,150	e3,740	e4,450		e8,480		11,500	e19,100	e9,220		e3,150	e3,890
14	e1,490	e2,020	e4,630		e8,050		10,200	18,000	14,000	e16,200	e3,360	e3,000
15	e1,400	e1,830	e6,950		e8,390		9,830	e16,000	17,400	e14,500	e3,620	e2,480
16	e1,350	e1,400	e8,110		e11,400		8,730	e13,800		e12,600	e3,720	e2,240
17	e1,380	e1,520	e9,380		e15,500		7,490	16,200		e10,700	e3,400	e1,830
18	e1,420	e1,590	e7,620				6,200	16,900		e9,150	e2,860	e1,420
19	e1,590	e1,290	e12,100				4,250	17,800		e8,010	e3,010	e2,030
20	e1,750	e1,190	e18,600				3,650	18,100		e6,890	e3,160	e1,880
21	e2,360	e1,240		e16,200			4,150	18,400		e6,150	e3,190	e2,040
22	e3,450	e1,270		e14,600			3,150	17,600		e6,670	e3,250	e3,160
23	e2,630	e1,380		e13,700			3,360	16,400		e6,340	e3,570	e1,680
24	e1,700	e1,390		e13,000			3,190	15,100		e5,620	e3,780	e1,290
25	e1,780	e1,320		e12,500			4,390	13,500		e4,900	e3,090	e1,720
26	e1,860	e1,380		e10,600			6,660	11,900		e4,690	e3,290	e1,760
27	e1,630	e1,380		e11,700			8,330	11,200		e4,570	e2,950	e1,590
28	e1,580	e1,460		e10,300			7,720	9,190		e3,870	e2,860	e1,340
29	e1,480	e1,510		e7,900	---		6,450	7,460		e3,720	e3,410	e1,260
30	e1,600	e1,500		e8,350	---		4,650	4,360		e3,660	e3,760	e1,260
31	e1,430	---		e8,350	---		---	2,870	---	e4,150	e3,640	---
TOTAL	50,730	87,370						368,820			110,520	69,950
MEAN	1,636	2,912						11,900			3,565	2,332
MAX	3,450	8,440						19,200			5,300	4,030
MIN	1,050	1,190						2,610			2,860	1,260

e Estimated

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.84	8.38	8.06	23.85	14.44	27.11	20.76	10.04	8.96	24.69	9.67	9.32
2	7.81	8.35	8.09	24.04	15.02	27.71	19.98	10.37	9.37	24.79	9.75	9.29
3	7.75	8.31	8.05	24.18	14.23	28.23	19.08	9.96	9.73	24.75	10.51	9.33
4	8.58	8.27	8.43	24.28	12.93	28.66	18.24	9.12	9.01	24.54	9.73	9.75
5	8.13	10.63	8.59	24.35	11.20	29.00	17.44	9.37	9.19	24.26	9.68	9.71
6	7.97	11.78	8.69	24.42	11.87	29.30	16.88	10.05	9.63	23.92	9.62	9.33
7	8.02	12.48	9.97	24.49	13.35	29.51	18.23	11.37	9.75	23.37	9.49	8.42
8	8.09	13.02	10.76	24.49	13.78	29.66	18.60	13.81	9.86	22.80	9.37	8.28
9	8.16	12.77	10.77	24.40	14.75	29.75	18.48	15.90	10.65	22.23	9.40	8.53
10	8.21	11.86	9.72	24.19	15.21	29.75	18.05	17.51	10.33	21.65	9.45	8.42
11	8.24	11.49	8.21	23.88	14.91	29.69	17.78	18.45	9.33	21.01	9.14	8.26
12	8.49	10.96	8.44	23.53	14.12	29.56	17.00	18.95	10.51	20.20	9.01	8.89
13	8.79	9.96	10.42	23.09	14.42	29.37	16.11	19.05	13.31	19.18	9.01	9.80
14	8.20	8.70	10.62	22.59	14.19	29.11	15.29	18.36	16.08	18.20	9.14	9.21
15	8.12	8.48	11.93	21.97	14.34	28.77	14.79	17.24	17.98	17.12	9.34	8.81
16	8.09	8.12	12.74	21.65	15.88	28.39	14.00	16.33	19.34	15.88	9.42	8.66
17	8.11	8.26	13.50	21.18	17.97	27.97	13.05	17.52	20.03	14.62	9.17	8.34
18	8.14	8.33	12.51	20.62	19.50	27.57	12.07	17.95	20.54	13.53	8.81	8.02
19	8.29	8.00	15.00	20.13	20.64	27.23	10.71	18.43	20.99	12.64	8.90	8.56
20	8.48	7.87	18.70	19.52	20.97	26.83	10.08	18.60	21.38	11.79	9.02	8.50
21	8.87	7.94	20.79	18.64	21.42	26.47	10.35	18.79	21.69	11.20	9.07	8.64
22	9.66	7.99	21.80	17.77	22.03	26.14	9.65	18.43	---	11.46	9.10	9.49
23	9.13	8.10	21.56	17.17	22.55	25.84	9.70	17.88	22.22	11.29	9.29	8.38
24	8.34	8.12	22.28	---	23.07	25.51	9.62	17.24	22.43	10.79	9.44	7.99
25	8.38	8.06	22.28	16.40	23.78	25.14	10.37	16.37	22.65	10.26	9.02	8.41
26	8.56	8.12	22.57	15.42	24.69	24.75	11.82	15.49	22.94	10.07	9.10	8.53
27	8.35	8.14	22.77	15.86	25.61	24.29	12.85	15.00	23.29	10.0	8.87	8.36
28	8.27	8.21	22.91	15.19	26.41	23.64	12.52	13.80	23.69	9.55	8.79	8.13
29	8.16	8.26	23.09	13.88	---	---	11.73	12.69	24.10	9.40	9.16	8.04
30	8.28	8.26	23.27	14.06	---	---	10.55	10.70	24.45	9.32	9.45	8.07
31	8.17	---	23.59	14.13	---	21.57	---	9.53	---	9.74	9.41	---
MAX	9.66	13.02	23.59	24.49	26.41	29.75	20.76	19.05	24.45	24.79	10.51	9.80
MIN	7.75	7.87	8.05	13.88	11.20	21.57	9.62	9.12	8.96	9.32	8.79	7.99

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

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

DRAINAGE AREA.--1,187 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft above NGVD of 1929 (levels by Corps of Engineers). Water-stage recorder for Bayou Bartholomew northwest of Jones (station 07364203) used as auxiliary gage for this station since Oct. 1, 1959. See WSP 2120 for history of changes prior to Dec. 7, 1966.

REMARKS.--Records fair except for estimated discharge which is poor. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf river basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (07368000). Other flow bypasses station and re-enters the basin 5 miles downstream by way of Overflow Creek. Satellite telemetry and raingage at station.

AVERAGE DISCHARGE.--46 years, (water years 1958 to current) 1,230 ft³/s, 973,200 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,030 ft³/s, Mar. 11, gage height, 23.66 ft; minimum discharge, 35 ft³/s, Oct. 2, 3, gage height, 0.56 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	112	189	3,850	815	3,730	2,290	176	2,020	2,230	159	109
2	36	96	165	3,960	663	4,010	2,120	171	2,000	2,310	153	105
3	38	86	143	4,040	531	4,250	1,960	182	1,970	2,380	150	103
4	77	88	142	4,090	430	4,450	1,790	194	1,920	2,430	147	102
5	92	e197	168	4,120	352	4,620	1,620	195	1,850	2,490	152	102
6	93	e286	173	4,120	317	4,760	1,480	192	1,750	2,560	155	102
7	83	e324	194	4,110	321	4,850	1,440	201	1,670	2,570	153	102
8	70	e367	227	4,070	309	4,930	1,350	201	1,570	2,540	152	102
9	78	e416	250	4,020	300	4,970	1,270	191	1,450	2,470	159	104
10	158	e437	256	3,950	315	5,000	1,210	181	1,320	2,390	167	104
11	233	e436	246	3,860	337	5,000	1,180	188	1,190	2,310	178	95
12	e269	e420	230	3,760	361	4,980	1,140	248	1,120	2,220	189	87
13	e293	e403	235	3,640	388	4,970	1,100	390	1,060	2,120	207	169
14	e297	e387	237	3,520	413	4,920	1,040	550	1,060	2,020	221	226
15	e282	e370	226	3,380	458	4,860	966	683	1,100	1,900	234	197
16	e257	e353	216	3,240	535	4,780	885	809	1,200	1,770	239	160
17	222	e340	213	3,090	602	4,680	799	1,030	1,280	1,620	243	118
18	186	e331	215	2,930	688	4,570	709	1,170	1,330	1,460	241	82
19	162	e318	246	2,780	807	4,470	623	1,280	1,310	1,290	230	59
20	149	e306	303	2,640	940	4,340	542	1,390	1,310	1,120	222	46
21	138	e309	355	2,490	1,160	4,190	469	1,500	1,320	946	229	40
22	130	e307	491	2,350	1,500	4,020	407	1,610	1,360	779	204	95
23	124	e313	715	2,190	1,690	3,850	349	1,700	1,410	621	169	119
24	120	e315	1,080	2,040	1,860	3,670	288	1,780	1,480	494	143	124
25	123	e310	1,420	1,880	e2,110	3,490	248	1,840	1,580	405	122	121
26	155	e300	1,810	1,730	e2,510	3,330	218	1,890	1,680	333	105	104
27	156	e285	2,290	1,570	3,000	3,150	199	1,930	1,800	258	108	85
28	152	e267	2,770	1,410	3,410	2,970	191	1,970	1,910	208	135	75
29	145	242	3,150	1,280	---	2,800	187	1,990	2,020	177	133	68
30	137	216	3,460	1,130	---	e2,630	191	2,020	2,130	161	125	61
31	128	---	3,690	972	---	2,470	---	2,020	---	157	116	---
TOTAL	4,620	8,937	25,505	92,212	27,122	129,710	28,261	29,872	46,170	46,739	5,340	3,166
MEAN	149	298	823	2,975	969	4,184	942	964	1,539	1,508	172	106
MAX	297	437	3,690	4,120	3,410	5,000	2,290	2,020	2,130	2,570	243	226
MIN	36	86	142	972	300	2,470	187	171	1,060	157	105	40
AC-FT	9,160	17,730	50,590	182,900	53,800	257,300	56,060	59,250	91,580	92,710	10,590	6,280
CAL YR	2002	TOTAL	645,930	MEAN	1,770	MAX	6,540	MIN	36	AC-FT	1,281,000	
WTR YR	2003	TOTAL	447,654	MEAN	1,226	MAX	5,000	MIN	36	AC-FT	887,900	

e Estimated

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.62	2.02	3.11	20.57	9.55	20.92	16.33	2.40	14.07	14.67	2.18	1.70
2	0.58	1.77	2.80	20.92	8.57	21.61	15.60	2.34	14.03	14.99	2.11	1.65
3	0.62	1.59	2.50	21.14	7.62	22.17	14.86	2.49	13.94	15.28	2.06	1.64
4	1.42	1.63	2.49	21.30	6.75	22.61	14.07	2.63	13.74	15.51	2.02	1.63
5	1.69	3.19	2.85	21.39	6.06	22.96	13.24	2.64	13.47	15.82	2.10	1.66
6	1.71	4.34	2.91	21.43	5.73	23.23	12.60	2.60	13.21	16.33	2.14	1.67
7	1.53	4.64	3.18	21.41	5.92	23.41	12.85	2.72	12.82	16.60	2.11	1.68
8	1.30	5.09	3.55	21.34	5.76	23.53	12.41	2.71	12.38	16.59	2.10	1.71
9	1.43	5.50	3.81	21.21	5.61	23.60	11.96	2.59	11.85	16.45	2.18	1.76
10	2.69	5.74	3.87	21.05	5.70	23.64	11.67	2.47	11.24	16.26	2.29	1.78
11	3.62	5.81	3.77	20.85	5.87	23.65	11.43	2.56	10.55	16.04	2.44	1.65
12	4.07	5.69	3.59	20.61	6.08	23.63	11.14	3.23	10.07	15.72	2.57	1.53
13	4.41	5.49	3.64	20.32	6.28	23.61	10.75	4.54	9.82	15.34	2.79	2.69
14	4.47	5.29	3.67	20.00	6.47	23.54	10.25	5.81	9.74	14.88	2.95	3.49
15	4.30	5.10	3.54	19.65	6.85	23.44	9.67	6.85	9.92	14.34	3.09	3.18
16	3.95	4.92	3.43	19.27	7.50	23.31	9.04	7.73	10.44	13.71	3.15	2.72
17	3.50	4.78	3.40	18.85	7.90	23.15	8.38	9.11	10.95	12.98	3.19	2.12
18	3.07	4.70	3.42	18.40	8.44	22.95	7.68	10.14	11.45	12.17	3.21	1.53
19	2.77	4.60	3.76	17.93	9.27	22.78	6.94	10.69	11.48	11.29	3.10	1.11
20	2.59	4.50	4.33	17.44	10.04	22.51	6.20	11.17	11.46	10.29	3.01	0.87
21	2.43	4.50	4.79	16.94	11.48	22.21	5.50	11.68	11.45	9.22	3.11	0.76
22	2.30	4.48	5.93	16.40	13.52	21.86	4.83	12.15	11.50	8.12	2.84	1.81
23	2.20	4.57	7.53	15.84	14.37	21.47	4.20	12.54	11.64	7.00	2.43	2.21
24	2.15	4.57	9.92	15.26	15.09	21.04	3.65	12.88	11.85	5.92	2.11	2.29
25	2.19	4.51	11.71	14.66	16.13	20.55	3.25	13.16	12.12	4.97	1.80	2.24
26	2.68	4.41	13.28	14.04	17.41	20.07	2.92	13.40	12.49	4.10	1.53	1.97
27	2.69	4.24	14.98	13.38	18.86	19.52	2.69	13.59	12.93	3.35	1.58	1.65
28	2.63	4.00	16.67	12.73	20.03	18.93	2.60	13.73	13.39	2.80	2.04	1.47
29	2.54	3.72	18.10	12.12	---	18.34	2.54	13.87	13.84	2.42	2.02	1.35
30	2.42	3.43	19.19	11.39	---	17.70	2.60	13.98	14.28	2.22	1.91	1.21
31	2.27	---	20.00	10.51	---	17.03	---	14.05	---	2.16	1.79	---
MAX	4.47	5.81	20.00	21.43	20.03	23.65	16.33	14.05	14.28	16.60	3.21	3.49
MIN	0.58	1.59	2.49	10.51	5.61	17.03	2.54	2.34	9.74	2.16	1.53	0.76

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 NGVD of 1929 (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. Satellite telemetry, telephony, and rain gage at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.59 ft, May 15; minimum gage height, 8.35 ft, Oct. 18, 19.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.39	8.61	8.89	10.01	9.43	10.40	9.64	9.45	9.52	9.38	9.22	8.95
2	8.38	8.59	8.88	10.0	9.43	10.29	9.62	9.43	9.49	9.37	9.21	9.01
3	8.40	8.64	8.89	9.92	9.45	10.19	9.61	9.56	9.48	9.36	9.20	9.07
4	8.48	8.66	9.07	9.86	9.44	10.11	9.60	9.58	9.44	9.35	9.18	9.07
5	8.46	8.85	9.14	9.82	9.42	10.05	9.61	9.56	9.41	9.38	9.17	9.04
6	8.45	8.88	9.15	9.78	9.48	10.00	9.79	9.55	9.43	9.43	9.16	9.02
7	8.48	8.88	9.16	9.74	9.52	9.95	10.50	9.81	9.44	9.41	9.15	9.00
8	8.46	8.88	9.17	9.71	9.51	9.91	10.58	9.99	9.42	9.39	9.13	8.98
9	8.45	8.89	9.18	9.68	9.53	9.87	10.41	9.97	9.40	9.38	9.11	8.97
10	8.48	8.90	9.19	9.65	9.55	9.82	10.26	9.90	9.38	9.37	9.09	8.95
11	8.48	8.90	9.19	9.62	9.55	9.79	10.15	9.84	9.40	9.35	9.09	8.94
12	8.47	8.89	9.20	9.59	9.54	9.76	10.06	9.76	9.39	9.33	9.11	8.94
13	8.46	8.88	9.30	9.57	9.53	9.76	9.98	9.71	9.40	9.34	9.11	8.99
14	8.45	8.86	9.32	9.56	9.54	9.76	9.91	9.95	9.39	9.36	9.09	8.98
15	8.43	8.88	9.33	9.54	9.59	9.73	9.84	11.30	9.45	9.34	9.08	8.95
16	8.40	8.88	9.34	9.55	9.68	9.71	9.79	11.42	9.44	9.33	9.07	8.93
17	8.39	8.86	9.34	9.51	9.69	9.69	9.76	11.18	9.46	9.32	9.06	8.92
18	8.37	8.85	9.38	9.49	9.68	9.71	9.72	10.91	9.54	9.30	9.05	8.90
19	8.45	8.85	9.70	9.47	9.67	9.93	9.67	10.64	9.60	9.28	9.03	8.89
20	8.51	8.85	9.76	9.47	9.73	9.96	9.66	10.43	9.59	9.27	9.01	8.87
21	8.51	8.85	9.74	9.47	10.11	9.91	9.65	10.26	9.55	9.26	9.00	8.91
22	8.50	8.84	9.72	9.46	10.82	9.87	9.62	10.13	9.53	9.24	8.98	9.04
23	8.49	8.83	9.76	9.45	10.97	9.83	9.58	10.01	9.51	9.22	8.96	9.03
24	8.49	8.82	10.10	9.43	10.77	9.79	9.57	9.92	9.48	9.19	8.95	9.02
25	8.51	8.82	10.12	9.42	10.62	9.76	9.57	9.85	9.46	9.16	8.93	9.02
26	8.53	8.88	10.06	9.43	10.57	9.80	9.53	9.79	9.47	9.14	8.91	9.01
27	8.55	8.90	9.99	9.42	10.60	9.80	9.50	9.73	9.48	9.14	8.91	9.01
28	8.57	8.90	9.92	9.41	10.52	9.78	9.49	9.68	9.45	9.13	8.92	8.99
29	8.62	8.90	9.86	9.43	---	9.75	9.47	9.64	9.42	9.11	8.92	8.95
30	8.62	8.90	9.82	9.43	---	9.70	9.45	9.60	9.39	9.11	8.90	8.93
31	8.62	---	9.98	9.43	---	9.67	---	9.57	---	9.18	8.90	---
MAX	8.62	8.90	10.12	10.01	10.97	10.40	10.58	11.42	9.60	9.43	9.22	9.07
MIN	8.37	8.59	8.88	9.41	9.42	9.67	9.45	9.43	9.38	9.11	8.90	8.87

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in NW ¼ 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 NGVD 29. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956 to May 31, 1978, water-stage recorder, at site 500 ft downstream at same datum.

REMARKS.--Records good above 100 cfs, fair between 100 cfs and 50 cfs, below 50cfs and for estimated record, record is poor. Satellite telemetry and telephony at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 21	0500	4,880	9.79	Feb 23	1200	*6,300	*10.48
Dec 24	2000	1,980	7.99	Mar 22	1300	1,260	7.18
Feb 18	1600	1,980	7.92	Apr 7	1700	2,550	8.28

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e13	25	47	604	51	1,620	86	33	24	39	12	2.2
2	e12	17	38	639	48	1,440	72	31	21	31	14	3.3
3	e13	15	33	844	48	1,110	64	78	21	28	11	6.4
4	e25	21	90	908	48	796	61	266	22	24	8.5	6.4
5	e28	84	213	631	47	598	61	339	21	24	6.9	5.3
6	e21	177	257	406	59	460	373	194	21	55	6.4	3.9
7	e17	194	257	207	150	357	2,260	152	23	88	10	2.6
8	e16	184	252	108	192	275	1,800	523	26	51	10	2.4
9	16	164	226	83	221	225	1,240	770	28	33	7.2	3.0
10	e17	92	107	74	273	176	1,140	875	29	25	5.9	2.4
11	e18	48	54	66	283	137	792	555	30	20	5.7	1.5
12	e18	33	44	60	234	113	481	145	37	16	5.1	1.3
13	e17	27	69	55	230	116	196	54	56	14	8.0	4.4
14	e14	25	143	53	216	136	96	82	65	30	5.5	6.2
15	12	25	162	51	144	128	72	205	71	33	4.6	4.1
16	10	25	179	50	201	e123	60	392	62	19	4.5	2.7
17	11	26	183	49	535	e113	54	512	50	14	4.7	1.7
18	9.9	25	152	47	1,800	102	50	493	49	11	4.9	1.1
19	13	25	435	46	1,580	179	47	324	51	10	4.6	0.73
20	27	25	2,280	46	1,020	317	46	227	45	10	4.8	0.48
21	29	25	4,320	47	1,410	515	47	205	45	11	6.0	0.60
22	25	26	2,420	48	3,020	1,140	45	95	40	11	4.7	3.8
23	17	26	1,400	46	5,870	893	41	57	35	10	3.6	4.9
24	13	26	1,800	43	3,950	545	38	45	31	9.6	4.2	3.8
25	15	27	1,570	41	2,290	270	41	39	28	9.2	4.2	2.4
26	23	36	1,330	41	1,690	148	50	35	27	8.9	3.4	1.4
27	27	69	1,350	41	1,630	224	64	37	54	7.3	3.1	0.96
28	37	72	998	41	1,630	243	56	44	115	6.2	5.3	0.84
29	42	74	637	43	---	217	45	39	130	5.5	3.8	0.82
30	48	65	418	50	---	193	38	33	71	5.5	2.7	0.74
31	36	---	444	52	---	119	---	28	---	7.8	2.4	---
TOTAL	639.9	1,703	21,908	5,520	28,870	13,028	9,516	6,907	1,328	667.0	187.7	82.37
MEAN	20.6	56.8	707	178	1,031	420	317	223	44.3	21.5	6.05	2.75
MAX	48	194	4,320	908	5,870	1,620	2,260	875	130	88	14	6.4
MIN	9.9	15	33	41	47	102	38	28	21	5.5	2.4	0.48
AC-FT	1,270	3,380	43,450	10,950	57,260	25,840	18,870	13,700	2,630	1,320	372	163
CFSM	0.10	0.27	3.40	0.86	4.96	2.02	1.52	1.07	0.21	0.10	0.03	0.01
IN.	0.11	0.30	3.92	0.99	5.16	2.33	1.70	1.24	0.24	0.12	0.03	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

MEAN	52.9	144	292	346	424	402	400	238	150	68.9	28.8	40.0
MAX	660	977	1,333	1,140	1,256	1,222	2,764	852	1,391	985	202	464
(WY)	(1985)	(1958)	(2002)	(1974)	(1975)	(2001)	(1991)	(1991)	(1974)	(1989)	(1996)	(1974)
MIN	0.14	8.88	20.7	34.4	45.4	48.3	49.8	11.5	3.40	1.19	1.49	0.000
(WY)	(2001)	(1996)	(1957)	(2000)	(2000)	(1966)	(1981)	(1988)	(1966)	(1988)	(1956)	(2000)

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	72,006.9		90,356.97		214	
ANNUAL MEAN	197		248		502	
HIGHEST ANNUAL MEAN					1958	
LOWEST ANNUAL MEAN					52.3	
HIGHEST DAILY MEAN	4,320	Dec 21	5,870	Feb 23	20,000	Apr 28, 1958
LOWEST DAILY MEAN	3.4	Sep 4	0.48	Sep 20	0.00	Aug 18, 1956
ANNUAL SEVEN-DAY MINIMUM	4.0	Aug 31	1.6	Sep 24	0.00	Sep 21, 1956
MAXIMUM PEAK FLOW			6,300	Feb 23	24,000	Jun 9, 1974
MAXIMUM PEAK STAGE			10.48	Feb 23	17.54	Jun 9, 1974
INSTANTANEOUS LOW FLOW			60.44	Sep 20	a0.00	
INSTANTANEOUS LOW STAGE			2.63	Aug 20		
ANNUAL RUNOFF (AC-FT)	142,800		179,200		155,300	
ANNUAL RUNOFF (CFSM)	0.95		1.19		1.03	
ANNUAL RUNOFF (INCHES)	12.88		16.16		14.00	
10 PERCENT EXCEEDS	511		638		543	
50 PERCENT EXCEEDS	33		46		50	
90 PERCENT EXCEEDS	9.4		4.7		4.4	

a Many days several years.

b Also occurred Sep 21.

c Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.63	3.83	6.53	3.76	7.52	4.05	3.06	2.79	3.32	3.06	2.79
2	---	3.42	3.60	6.60	3.70	7.36	3.86	3.01	2.70	3.13	3.15	2.93
3	---	3.32	3.49	6.96	3.69	7.02	3.73	3.79	2.72	3.07	3.02	3.18
4	---	3.51	4.40	7.06	3.70	6.62	3.69	5.24	2.74	2.97	2.90	3.21
5	---	4.58	5.43	6.58	3.69	6.23	3.67	5.52	2.71	2.99	2.82	3.17
6	---	5.29	5.64	6.01	3.90	5.89	4.76	4.85	2.71	3.71	2.80	3.10
7	---	5.34	5.64	5.23	4.90	5.58	8.04	4.54	2.77	4.28	2.96	3.00
8	---	5.29	5.62	4.58	5.18	5.29	7.66	6.03	2.87	3.71	2.96	3.00
9	3.37	5.17	5.50	4.30	5.33	5.07	7.16	6.58	2.92	3.31	2.84	3.09
10	---	4.52	4.67	4.17	5.56	4.81	7.06	6.74	2.96	3.12	2.77	3.05
11	---	3.84	3.98	4.04	5.60	4.55	6.60	6.11	2.99	2.99	2.76	2.92
12	---	3.48	3.75	3.94	5.39	4.36	5.93	4.48	3.16	2.87	2.72	2.91
13	---	3.33	4.20	3.85	5.37	4.38	4.88	3.55	3.58	2.81	2.88	3.29
14	---	3.26	5.02	3.81	5.30	4.54	4.17	3.96	3.75	3.31	2.75	3.44
15	3.21	3.25	5.15	3.76	4.88	4.48	3.85	4.94	3.84	3.43	2.69	3.33
16	3.14	3.26	5.26	3.75	5.18	---	3.66	5.69	3.69	3.06	2.67	3.24
17	3.16	3.28	5.28	3.73	6.21	---	3.55	6.03	3.46	2.87	2.69	3.12
18	3.13	3.27	5.08	3.69	7.80	4.25	3.47	5.98	3.44	2.77	2.71	3.01
19	3.26	3.26	6.08	3.66	7.60	4.80	3.40	5.46	3.48	2.76	2.68	2.94
20	3.70	3.25	8.26	3.65	7.03	5.44	3.38	5.08	3.36	2.79	2.70	2.87
21	3.76	3.26	9.48	3.68	7.38	6.01	3.39	4.96	3.35	2.86	2.80	2.92
22	3.64	3.29	8.31	3.70	8.62	7.05	3.35	4.13	3.24	2.86	2.75	3.41
23	3.41	3.29	7.56	3.65	10.27	6.75	3.26	3.60	3.11	2.85	2.69	3.52
24	3.27	3.30	7.86	3.59	9.22	6.10	3.17	3.35	3.01	2.84	2.77	3.44
25	3.34	3.31	7.70	3.54	8.06	5.23	3.26	3.20	2.92	2.84	2.80	3.30
26	3.58	3.56	7.50	3.54	7.58	4.63	3.46	3.10	2.90	2.85	2.75	3.14
27	3.69	4.23	7.53	3.53	7.52	5.05	3.73	3.16	3.51	2.80	2.74	3.04
28	3.96	4.28	7.16	3.54	7.53	5.15	3.59	3.34	4.40	2.76	2.96	3.00
29	4.07	4.31	6.59	3.59	---	5.03	3.35	3.21	4.55	2.73	2.87	3.00
30	4.21	4.16	6.05	3.74	---	4.90	3.18	3.06	3.90	2.74	2.79	2.97
31	3.93	---	6.12	3.78	---	4.39	---	2.91	---	2.86	2.79	---
MAX	4.21	5.34	9.48	7.06	10.27	7.52	8.04	6.74	4.55	4.28	3.15	3.52
MIN	3.13	3.25	3.49	3.53	3.69	4.25	3.17	2.91	2.70	2.73	2.67	2.79

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW ¼ NW ¼ 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 NGVD of 1929 (levels by Corps of Engineers).

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 43.16 ft, Feb. 26; minimum gage height, 39.52 ft, Oct. 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.54	39.97	39.99	41.34	40.23	42.36	40.60	40.22	40.24	40.05	39.85	39.57
2	39.53	39.96	39.99	41.28	40.22	42.15	40.55	40.22	40.21	40.03	39.85	39.59
3	39.56	39.99	39.99	41.20	40.23	41.99	40.52	40.26	40.17	40.03	39.85	39.67
4	39.73	40.01	40.16	41.13	40.22	41.86	40.49	40.28	40.13	40.01	39.84	39.69
5	39.73	40.30	40.27	41.07	40.21	41.71	40.46	40.30	40.10	39.99	39.83	39.68
6	39.73	---	40.33	41.01	40.27	41.55	40.59	40.33	40.08	40.02	39.85	39.66
7	39.73	40.44	40.35	40.95	40.32	41.39	41.18	40.48	40.06	40.03	39.84	39.64
8	39.72	40.40	40.35	40.88	40.35	41.24	41.57	40.66	40.04	40.04	39.83	39.63
9	39.74	40.35	40.34	40.79	40.39	41.10	41.74	40.79	40.01	40.04	39.81	39.62
10	39.78	40.32	40.33	40.70	40.43	40.97	41.81	40.83	40.00	40.04	39.80	39.61
11	39.78	40.28	40.31	40.61	40.46	40.87	41.81	40.84	40.01	40.07	39.79	39.61
12	39.78	40.23	40.29	40.53	40.48	40.79	41.71	40.85	40.11	40.06	39.77	39.64
13	39.77	40.18	40.33	40.47	40.49	40.72	41.53	40.87	40.15	40.05	39.75	39.68
14	39.76	40.14	40.33	40.42	40.50	40.68	41.31	40.89	40.16	40.03	39.74	39.67
15	39.75	40.12	40.33	40.38	40.58	40.64	41.09	41.03	40.18	40.02	39.73	39.66
16	39.73	40.07	40.32	40.36	40.64	40.60	40.91	41.41	40.20	40.01	39.72	39.64
17	39.72	40.04	40.32	40.29	40.65	40.57	40.75	41.97	40.24	39.99	39.71	39.63
18	39.71	40.02	40.33	40.27	40.67	40.56	40.63	42.14	40.32	39.97	39.69	39.62
19	39.73	40.01	40.45	40.25	40.74	40.64	40.55	42.03	40.32	39.95	39.67	39.61
20	39.78	39.99	40.56	40.25	40.91	40.66	40.50	41.85	40.30	39.95	39.65	39.59
21	39.79	39.98	40.69	40.24	41.33	40.67	40.46	41.65	40.27	39.93	39.64	39.61
22	39.80	39.96	40.85	40.23	41.84	40.71	40.41	41.45	40.25	39.91	39.63	39.79
23	39.81	39.95	41.05	40.21	42.12	40.78	40.36	41.24	40.22	39.88	39.61	39.83
24	39.81	39.94	41.45	40.21	42.56	40.89	40.35	41.05	40.19	39.85	39.60	39.84
25	39.83	39.93	41.65	40.21	43.08	40.98	40.34	40.89	40.15	39.83	39.58	39.84
26	39.85	39.96	41.76	40.20	43.11	41.02	40.29	40.74	40.14	39.82	39.57	39.84
27	39.89	39.98	41.73	40.19	42.90	40.99	40.26	40.61	40.11	39.80	39.56	39.84
28	39.93	39.98	41.64	40.19	42.62	40.92	40.25	40.51	40.09	39.79	39.57	39.82
29	39.98	39.99	41.52	40.22	---	---	40.24	40.42	40.07	39.77	39.59	39.79
30	39.98	39.99	41.41	40.23	---	---	40.23	40.35	40.06	39.78	39.58	39.76
31	39.98	---	41.40	40.23	---	40.64	---	40.29	---	39.82	39.58	---
MAX	39.98	---	41.76	41.34	43.11	42.36	41.81	42.14	40.32	40.07	39.85	39.84
MIN	39.53	39.93	39.99	40.19	40.21	40.56	40.23	40.22	40.00	39.77	39.56	39.57

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE ¼ NE ¼ 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 NGVD of 1929.

REMARKS.--Satellite telemetry at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 36.08 ft, Mar. 17; minimum gage height, 30.52 ft, July 13, Aug. 16, 17.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.63	31.19	30.76	32.12	31.13	35.26	30.88	30.71	30.64	31.34	30.72	30.68
2	30.65	31.12	30.84	32.07	31.09	35.54	30.76	30.67	30.63	31.34	30.64	30.74
3	31.02	31.34	30.97	31.95	31.06	35.58	30.73	30.79	30.65	31.31	30.60	30.84
4	31.66	31.51	31.52	31.82	31.10	35.61	30.71	30.72	30.65	31.25	30.62	30.74
5	31.17	33.42	31.64	31.77	31.07	35.65	30.71	30.71	30.64	31.18	30.73	30.71
6	30.94	32.95	31.62	31.71	31.23	35.82	31.92	30.86	30.66	31.08	30.68	30.69
7	31.68	32.47	31.60	31.68	31.38	35.87	33.98	32.34	30.62	31.02	30.64	30.66
8	31.37	32.16	31.52	31.77	31.30	35.91	33.11	32.48	30.60	30.95	30.61	30.64
9	31.53	31.81	31.42	31.86	31.26	35.93	32.78	32.17	30.60	30.75	30.66	30.63
10	31.63	31.56	31.35	31.82	31.35	35.95	32.66	31.79	30.63	30.69	30.66	30.61
11	31.36	31.48	31.38	31.74	31.33	35.96	32.50	31.34	30.71	30.68	30.67	30.61
12	31.33	31.42	31.38	31.63	31.27	35.98	32.32	31.11	31.60	30.62	30.65	30.65
13	31.27	31.39	31.59	31.53	31.23	36.02	32.18	31.02	31.27	30.58	30.62	30.91
14	31.22	31.35	31.56	31.48	31.21	36.03	32.07	31.23	30.92	30.60	30.61	30.89
15	31.16	31.32	31.52	31.45	31.23	36.04	31.84	32.67	30.82	30.61	30.55	30.72
16	31.08	31.25	31.48	31.42	31.25	36.05	31.62	32.22	30.78	30.67	30.55	30.64
17	31.02	31.19	31.25	31.39	31.22	36.07	31.55	32.35	31.28	30.73	30.55	30.67
18	30.95	31.15	31.06	31.36	31.19	36.04	31.54	32.16	32.46	30.83	30.62	30.69
19	30.92	31.09	31.28	31.33	31.15	35.89	31.53	32.12	32.17	30.82	30.79	30.62
20	31.27	31.05	31.38	31.30	31.19	35.70	31.41	31.82	32.15	30.77	30.70	30.67
21	31.29	31.01	31.31	31.28	33.06	35.49	31.35	31.54	31.97	30.77	30.63	30.69
22	31.14	30.96	31.21	31.25	34.60	35.26	31.21	31.50	31.68	30.74	30.62	31.20
23	31.02	30.97	31.33	31.23	34.12	35.00	31.15	31.41	31.58	30.72	30.63	30.86
24	30.96	30.95	33.28	31.20	33.85	34.70	31.32	31.37	31.50	30.67	30.61	30.69
25	30.97	30.94	32.82	31.18	34.08	34.31	31.57	31.35	31.46	30.65	30.61	30.63
26	31.26	30.96	32.44	31.16	34.39	33.93	31.18	31.23	31.40	30.64	30.62	30.62
27	31.34	30.93	32.22	31.15	34.77	33.39	30.94	30.93	31.32	30.63	30.64	30.60
28	31.42	30.86	32.13	31.13	34.97	32.71	30.82	31.05	30.88	30.63	30.80	30.60
29	31.45	30.82	31.87	31.12	---	31.85	30.79	31.00	30.77	30.65	30.76	30.61
30	31.36	30.79	31.72	31.11	---	31.15	30.76	30.96	31.00	30.69	30.69	30.66
31	31.24	---	32.07	31.11	---	30.98	---	30.74	---	30.69	30.67	---
MAX	31.68	33.42	33.28	32.12	34.97	36.07	33.98	32.67	32.46	31.34	30.80	31.20
MIN	30.63	30.79	30.76	31.11	31.06	30.98	30.71	30.67	30.60	30.58	30.55	30.60

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE ¼ NE ¼ sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi downstream from Arkansas - Louisiana State line, and 7.5 mi southwest of Kilbourne.

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

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft³/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft³/s only). October 1979 to January 1986 (gage heights only). February 1986 to current year (daily gage heights and daily discharges below 3,950 ft³/s only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft above NGVD of 1929 (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 NGVD of 1929.

REMARKS.--Records fair except for daily discharges below 200 ft³/s and above 3000 ft³/s and estimated values, which are poor. Lowest recordable stage is approximately 2.0 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). Satellite telemetry at station.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.56 ft, Feb. 23; minimum gage height, 1.90 ft, Jul. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	12	1.7	2,280	311		90	0.46	0.00	0.00	250	313
2	0.00	0.84	1.2	2,340	215	1,600	70	0.03	0.00	0.00	289	299
3	0.70	15	0.90	1,360	155	1,030	39	0.03	0.00	0.00	188	745
4	1,490	782	489	829	208	813	21	0.10	0.00	0.00	223	786
5	2,140		2,760	613	221	760	13	0.00	0.00	0.00	162	463
6	882		1,540	464	680	1,170	492	36	0.00	101	77	244
7	1,200		738	352	2,250	1,030		2,110	0.00	478	64	102
8	933		429	312	1,110	734		2,830	0.54	223	97	31
9	813	764	262	271	612	566	1,070	2,960	1.6	144	94	4.9
10		480	174	200	573	454	481	3,070	2.0	100	198	0.35
11		356	113	159	547	416	260	2,620	0.00	51	164	0.01
12	2,050	504	70	135	387	392	164	899		30	85	0.00
13	921	257	828	101	301	337	113	309		1.2	223	0.00
14	466	124	1,700	70	378	434	67	139		0.24	473	0.00
15	254	61	1,440	45		592	28	53		9.8	469	0.00
16	121	18	767	36		404	14	14	2,700	70	413	0.00
17	40	3.7	463	27		271	8.8	865	2,820	11	388	0.00
18	13	0.88	351	21		283	3.8			0.00	258	0.00
19	3.8	0.09		21	1,920	1,970	0.99		e2,920	0.00	121	0.00
20	10	0.17		21	875	1,580	0.29	3,370	2,250	84	46	0.00
21	37	0.24		18		803	0.14	2,140	1,020	280	278	0.01
22	8.3	0.89		12		445	0.09	534	375	137	368	552
23	0.34	5.1		5.6		269	0.02	238	85	18	301	1,130
24	0.00	12		1.1		166	0.00	87	2.2	0.00	229	572
25	24	5.5		0.84		137	45	16	0.00	0.00	124	299
26	468	2.4		3.6		212	286	77	0.00	0.00	51	139
27	316	5.0		13		262	234	37	0.00	0.00	21	49
28	248	12		63		160	107	0.00	0.00	0.00	239	11
29	322	8.6	1,150	183	---	145	20	0.00	0.00	0.00	474	0.77
30	203	3.8	829	272	---	162	0.08	0.00	0.00	0.00	433	0.01
31	75	---	894	347	---	113	---	0.00	---	0.00	370	---
TOTAL	---	---	---	10,576.14	---	---	---	---	---	1,738.24	7,170	5,741.05
MEAN	---	---	---	341	---	---	---	---	---	56.1	231	191
MAX	---	---	---	2,340	---	---	---	---	---	478	474	1,130
MIN	---	---	---	0.84	---	---	---	---	---	0.00	21	0.00
CFSM	---	---	---	0.43	---	---	---	---	---	0.07	0.29	0.24
IN.	---	---	---	0.50	---	---	---	---	---	0.08	0.34	0.27

e Estimated

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.40	4.70	4.60	8.08	5.35	10.39	4.95	4.55	2.86	3.26	5.08	5.21
2	4.35	4.56	4.59	8.16	5.18	7.23	4.91	4.46	2.49	3.01	5.17	5.19
3	4.37	4.56	4.58	6.92	5.07	6.48	4.83	4.48	2.51	2.56	4.99	5.95
4	7.08	6.08	5.49	6.19	5.16	6.16	4.76	4.51	2.65	2.22	5.05	6.02
5	7.99	12.19	8.67	5.85	5.19	6.08	4.72	4.38	2.48	2.26	4.94	5.48
6	6.27	17.38	7.15	5.61	5.88	6.67	5.44	4.48	2.76	3.71	4.78	5.09
7	6.74	14.98	6.04	5.42	8.05	6.47	14.16	7.86	3.21	5.63	4.75	4.83
8	6.36	7.87	5.55	5.35	6.58	6.04	11.63	8.75	4.50	5.19	4.82	4.66
9	6.16	6.08	5.26	5.28	5.85	5.77	6.52	8.90	4.58	5.05	4.81	4.51
10	9.53	5.63	5.10	5.15	5.79	5.59	5.64	9.03	4.58	4.97	5.01	4.41
11	10.13	5.43	4.99	5.08	5.74	5.53	5.26	8.49	4.24	4.86	4.95	4.34
12	7.80	5.67	4.91	5.03	5.48	5.49	5.08	6.26	8.34	4.79	4.80	4.30
13	6.31	5.25	6.12	4.97	5.33	5.40	4.99	5.34	15.28	4.56	5.05	4.29
14	5.61	5.01	7.36	4.91	5.47	5.56	4.90	5.04	15.40	4.53	5.50	4.25
15	5.25	4.89	7.03	4.85	7.07	5.81	4.79	4.86	11.44	4.50	5.49	4.30
16	5.01	4.74	6.09	4.82	12.23	5.51	4.73	4.73	8.60	4.91	5.39	4.32
17	4.83	4.64	5.61	4.79	11.39	5.28	4.69	6.03	8.73	4.64	5.34	4.25
18	4.71	4.57	5.42	4.76	9.82	5.29	4.64	10.10	---	4.16	5.12	4.19
19	4.64	4.52	6.57	4.76	7.63	7.71	4.58	9.81	---	3.80	4.87	4.15
20	4.69	4.53	12.67	4.76	6.26	7.21	4.55	9.37	8.05	4.20	4.71	4.14
21	4.82	4.54	14.42	4.75	12.23	6.14	4.52	7.88	6.45	5.30	5.15	4.19
22	4.67	4.57	14.64	4.71	20.95	5.58	4.52	5.72	5.46	5.03	5.31	5.57
23	4.55	4.66	12.55	4.66	22.48	5.28	4.50	5.22	4.92	4.71	5.19	6.53
24	4.48	4.71	16.14	4.59	21.93	5.09	4.46	4.93	4.54	4.23	5.06	5.66
25	4.58	4.66	20.05	4.58	19.65	5.04	4.71	4.74	4.15	3.73	4.87	5.19
26	5.62	4.62	19.35	4.64	16.82	5.17	5.31	4.89	3.81	3.05	4.72	4.90
27	5.36	4.66	16.23	4.71	17.88	5.26	5.21	4.75	3.71	2.30	4.62	4.71
28	5.24	4.71	8.97	4.89	16.73	5.08	4.98	4.27	3.53	2.67	5.06	4.56
29	5.37	4.69	6.64	5.12	---	5.05	4.74	3.91	3.37	4.20	5.50	4.43
30	5.16	4.64	6.19	5.28	---	5.08	4.48	3.57	3.28	4.12	5.43	4.34
31	4.91	---	6.28	5.41	---	4.99	---	3.19	---	4.18	5.31	---
MAX	10.13	17.38	20.05	8.16	22.48	10.39	14.16	10.10	15.40	5.63	5.50	6.53
MIN	4.35	4.52	4.58	4.58	5.07	4.99	4.46	3.19	2.48	2.22	4.62	4.14

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 NGVD of 1929 (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. Prior to Oct. 1, 2000, water-stage recorder for Boeuf River southwest of Rayville (station 07368040) used as auxiliary gage for this station. Nov. 20, 1962, to Sept. 30, 1974, at datum 0.60 ft lower. See WSP 2120 for changes prior to Nov. 20, 1962.

REMARKS.--Records fair above 30 ft³/s, and poor below, except for estimated discharge, which is poor. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Low level dam of steel sheet piles with concrete cap located approximately 7 miles downstream, pool stage 55 ft, since Dec 1991. Satellite telemetry at station.

AVERAGE DISCHARGE.--65 years (water years 1939 to 2003), 288 ft³/s, 208,700 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; no flow at times after 1993; minimum gage height, 2.61 ft, June 25, 1981.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,460 ft³/s, Feb. 25, gage height, 15.19 ft; minimum discharge, 5.1 ft³/s, Oct. 19, 20, gage height, 6.11 ft; minimum gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	113	39	216	57	1,190	49	39	28	34	26	e25
2	11	105	40	197	57	961	47	37	27	39	29	e28
3	24	106	41	214	59	599	45	40	27	44	39	e24
4	141	127	137	205	58	304	45	36	25	43	e53	e55
5	188	487	248	167	57	175	45	33	25	43	e48	e40
6	243	628	314	131	96	156	247	31	26	49	e38	e30
7	230	692	312	106	147	171	935	43	28	79	e33	e22
8	175	693	244	90	174	165	1,080	93	28	90	e29	e20
9	155	533	175	75	183	132	1,090	200	27	83	e26	e18
10	175	273	131	61	187	103	800	205	27	72	e23	e17
11	203	113	106	54	156	86	413	189	26	62	e24	e16
12	236	52	94	54	122	77	190	178	83	60	e30	e15
13	185	30	168	51	94	73	116	149	94	62	e28	e16
14	101	21	197	47	79	69	87	138	253	58	e31	e48
15	49	18	218	45	70	66	72	501	462	52	e38	e30
16	24	14	215	44	70	66	64	238	471	46	e35	e20
17	13	13	188	42	148	90	57	260	407	40	e29	e16
18	7.6	16	153	42	272	113	52	268	475	47	e27	e15
19	5.6	22	146	41	287	197	48	239	388	45	e30	e14
20	45	35	152	40	244	195	46	264	340	42	e29	e13
21	80	42	233	40	491	185	45	257	267	39	e26	e13
22	87	42	379	41	906	147	41	225	183	38	e23	e20
23	62	41	493	41	1,140	109	39	159	119	47	e26	e60
24	37	40	948	39	1,310	88	43	100	79	59	e25	e62
25	22	40	1,030	38	1,430	74	43	71	58	58	e23	e70
26	14	41	1,060	37	1,450	65	39	56	46	48	e27	e55
27	11	43	1,050	36	1,430	59	37	47	41	40	e22	e44
28	16	42	973	36	1,320	57	38	42	38	33	e21	e34
29	28	41	791	58	---	57	41	39	37	29	e42	e28
30	59	40	505	71	---	53	41	37	40	25	e37	e22
31	99	---	304	61	---	50	---	33	---	24	e26	---
TOTAL	2,738.2	4,503	11,084	2,420	12,094	5,932	5,935	4,247	4,175	1,530	943	890
MEAN	88.3	150	358	78.1	432	191	198	137	139	49.4	30.4	29.7
MAX	243	693	1,060	216	1,450	1,190	1,090	501	475	90	53	70
MIN	5.6	13	39	36	57	50	37	31	25	24	21	13
AC-FT	5,430	8,930	21,990	4,800	23,990	11,770	11,770	8,420	8,280	3,030	1,870	1,770

e Estimated

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.21	7.24	6.44	7.96	6.62	13.79	6.54	6.44	6.33	6.38	6.30	---
2	6.20	7.17	6.45	7.80	6.62	12.52	6.52	6.42	6.32	6.44	6.33	---
3	6.34	7.18	6.46	7.94	6.63	10.44	6.50	6.45	6.31	6.49	6.44	---
4	7.48	7.36	7.29	7.87	6.63	8.57	6.50	6.40	6.29	6.48	---	---
5	7.89	10.19	8.23	7.55	6.61	7.62	6.50	6.38	6.29	6.48	---	---
6	8.36	11.19	8.77	7.26	6.95	7.46	7.99	6.36	6.30	6.54	---	---
7	8.25	11.61	8.75	7.05	7.38	7.59	12.38	6.48	6.32	6.81	---	---
8	7.78	11.61	8.19	6.91	7.62	7.54	13.19	6.92	6.32	6.92	---	---
9	7.60	10.45	7.62	6.78	7.69	7.26	13.21	7.83	6.32	6.85	---	---
10	7.78	8.43	7.25	6.65	7.72	7.03	11.61	7.87	6.31	6.75	---	---
11	8.02	7.11	7.05	6.58	7.46	6.88	9.28	7.74	6.30	6.66	---	---
12	8.30	6.56	6.95	6.58	7.18	6.79	7.74	7.65	6.83	6.65	---	---
13	7.87	6.34	7.56	6.56	6.95	6.76	7.14	7.40	6.95	6.66	---	---
14	7.13	6.24	7.80	6.52	6.81	6.73	6.89	7.28	8.18	6.62	---	---
15	6.64	6.21	7.97	6.50	6.74	6.70	6.75	9.85	9.61	6.57	---	---
16	6.37	6.16	7.95	6.49	6.74	6.70	6.68	8.09	9.67	6.51	---	---
17	6.22	6.15	7.73	6.47	7.39	6.91	6.61	8.23	9.26	6.44	---	---
18	6.15	6.18	7.44	6.46	8.43	7.11	6.57	8.33	9.69	6.52	---	---
19	6.12	6.25	7.38	6.46	8.55	7.80	6.53	8.12	9.13	6.50	---	---
20	6.57	6.39	7.43	6.45	8.19	7.79	6.51	8.30	8.82	6.47	---	---
21	6.94	6.46	8.10	6.45	10.05	7.70	6.50	8.25	8.32	6.43	---	---
22	7.01	6.47	9.29	6.46	12.74	7.38	6.46	8.02	7.69	6.43	---	---
23	6.77	6.46	10.16	6.45	13.94	7.07	6.43	7.49	7.15	6.52	---	---
24	6.51	6.45	13.34	6.44	14.68	6.90	6.48	7.00	6.82	6.63	---	---
25	6.34	6.44	13.87	6.43	15.09	6.77	6.48	6.74	6.62	6.62	---	---
26	6.24	6.46	14.10	6.41	15.13	6.69	6.43	6.60	6.51	6.53	---	---
27	6.20	6.47	14.00	6.40	15.01	6.64	6.42	6.52	6.46	6.44	---	---
28	6.27	6.47	13.50	6.41	14.47	6.61	6.43	6.47	6.43	6.38	---	---
29	6.41	6.46	12.28	6.62	---	6.61	6.46	6.44	6.41	6.33	---	---
30	6.74	6.45	10.24	6.75	---	6.57	6.46	6.41	6.45	6.29	---	---
31	7.12	---	8.69	6.65	---	6.55	---	6.37	---	6.28	---	---
MAX	8.36	11.61	14.10	7.96	15.13	13.79	13.21	9.85	9.69	6.92	---	---
MIN	6.12	6.15	6.44	6.40	6.61	6.55	6.42	6.36	6.29	6.28	---	---

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW ¼ SW ¼ 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 NGVD of 1929 (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.--Records fair, except for estimated days and discharges below 20 cfs, 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. Satellite telemetry at station.

AVERAGE DISCHARGE.--65 years, (water years 1939 to current) 1,892 ft/s, 1,371,000 acre-ft/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,400 ft³/s, Feb. 23, gage height, 25.59 ft; maximum gage height, 25.77 ft, Feb. 25; minimum discharge, 26 ft³/s, Sept. 20, 21, gage height, 0.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	215	33	2,140	553	14,800	e211	100	145	163	453	414
2	57	109	31	3,050	511	10,100	e184	85	143	314	669	426
3	84	150	31	2,440	500	4,120	e155	85	127	518	987	408
4	3,830	778	923	1,470	741	1,210	e131	75	107	e304	648	857
5	6,020	8,250	5,250	1,010	702	941	e109	76	107	e273	552	853
6	3,370	14,800	5,060	e870	879	4,180	3,280	81	105	e1,220	370	518
7	2,110	15,200	2,890	e737	3,170	3,390	15,900	2,510	107	e1,530	318	295
8	2,740	12,200	1,660	e689	3,280	1,610	17,000	7,140	106	903	255	200
9	1,990	5,420	763	e657	1,930	753	13,700	4,960	105	677	152	166
10	4,340	2,190	528	e580	1,950	e607	6,510	3,970	103	797	148	103
11	6,720	e1,090	398	475	1,650	e531	e2,920	3,880	106	732	233	52
12	5,110	e580	302	458	1,260	e469	e1,510	3,050	696	793	376	34
13	2,440	e350	1,170	432	946	e422	e1,060	1,410	5,700	489	292	174
14	1,300	e220	2,600	384	758	e388	e858	749	7,880	315	433	845
15	953	e135	2,350	345	678	e373	e716	1,810	7,750	193	586	523
16	736	78	1,820	316	3,240	e333	e586	1,150	5,270	122	432	145
17	788	49	1,640	280	5,580	e297	e474	1,970	4,260	129	386	57
18	590	40	1,180	263	4,980	e280	e377	4,620	6,690	129	368	38
19	376	34	1,350	241	3,790	2,670	286	5,210	7,550	106	429	29
20	417	32	4,180	226	2,030	2,900	222	4,730	4,960	105	346	27
21	688	34	6,100	224	8,600	1,500	183	4,060	2,540	143	262	26
22	629	35	6,810	194	16,900	e945	141	2,330	1,180	236	286	504
23	531	35	7,080	170	18,100	e710	117	1,120	615	237	341	1,720
24	433	35	14,400	148	18,300	e581	108	704	326	146	317	1,550
25	395	34	16,400	132	18,100	e493	236	487	180	92	273	855
26	370	36	16,300	122	17,600	e448	143	367	131	77	311	580
27	363	41	15,100	138	17,100	e378	260	323	231	69	143	436
28	410	36	11,400	232	16,600	e340	278	295	192	59	332	313
29	841	39	5,250	364	---	e309	205	243	e169	54	764	222
30	940	47	1,740	456	---	e275	133	237	e180	62	668	159
31	437	---	1,190	454	---	e238	---	206	---	93	482	---
TOTAL	50,069	62,292	135,929	19,697	170,428	56,591	67,993	58,033	57,761	11,080	12,612	12,529
MEAN	1,615	2,076	4,385	635	6,087	1,826	2,266	1,872	1,925	357	407	418
MAX	6,720	15,200	16,400	3,050	18,300	14,800	17,000	7,140	7,880	1,530	987	1,720
MIN	57	32	31	122	500	238	108	75	103	54	143	26
AC-FT	99,310	123,600	269,600	39,070	338,000	112,200	134,900	115,100	114,600	21,980	25,020	24,850
CAL YR	2002	TOTAL 812,582	MEAN 2,226	MAX 18,800	MIN 26	AC-FT 1,612,000						
WTR YR	2003	TOTAL 715,014	MEAN 1,959	MAX 18,300	MIN 26	AC-FT 1,418,000						

e Estimated

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.58	1.36	0.29	12.98	2.66	25.00	4.42	0.84	1.37	1.51	2.20	2.07
2	0.55	0.89	0.27	13.02	2.53	23.35	3.59	0.75	1.32	2.14	2.83	2.11
3	0.68	1.06	0.27	12.00	2.41	20.20	2.79	0.75	1.20	3.00	3.78	2.06
4	9.83	3.38	3.51	10.38	3.22	16.99	2.18	0.68	1.04	2.38	2.83	3.36
5	14.14	16.07	13.48	9.13	3.12	15.49	1.79	0.69	0.93	2.32	2.50	3.47
6	11.04	23.06	14.09	8.25	3.67	16.63	6.84	0.72	0.87	5.93	1.93	2.41
7	7.93	23.52	11.10	7.82	9.19	16.13	22.83	5.58	0.89	6.15	1.75	1.67
8	8.52	22.36	8.27	7.24	10.37	14.80	24.23	14.35	0.88	4.78	1.51	1.30
9	6.89	17.52	5.32	6.64	8.01	14.02	23.27	12.32	0.87	3.81	1.10	1.16
10	10.49	12.87	3.46	5.79	7.99	13.42	18.93	10.71	0.86	4.04	1.08	0.85
11	13.95	10.18	2.31	4.97	7.14	13.11	13.88	10.43	0.88	3.63	1.42	0.49
12	12.83	7.71	1.72	4.39	5.84	12.87	11.62	9.18	2.71	3.81	1.95	0.31
13	8.69	5.72	4.65	3.82	4.51	12.70	10.22	5.70	12.13	2.74	1.66	1.01
14	5.52	3.68	8.90	3.29	3.62	12.55	8.82	3.60	15.44	1.99	2.13	3.38
15	4.04	1.82	8.81	2.90	3.17	12.44	7.27	11.07	15.92	1.39	2.60	2.44
16	3.16	0.71	7.42	2.54	8.22	12.22	5.81	10.63	13.38	1.00	2.13	1.05
17	3.26	0.47	6.56	2.27	12.62	12.03	4.15	10.73	11.56	1.00	1.99	0.53
18	2.63	0.38	5.16	2.06	12.30	11.97	2.71	14.36	14.45	1.02	1.92	0.36
19	1.94	0.31	5.13	1.88	10.71	14.08	1.79	14.85	15.79	0.88	2.13	0.25
20	2.39	0.28	10.42	1.74	7.61	14.27	1.40	13.88	13.31	0.88	1.85	0.21
21	4.46	0.31	13.53	1.63	16.27	13.09	1.23	12.59	9.59	1.05	1.54	0.20
22	3.99	0.32	14.67	1.39	24.62	12.01	1.05	9.82	6.24	1.45	1.63	2.13
23	3.00	0.32	15.17	1.22	25.37	11.19	0.94	6.83	3.87	1.45	1.83	5.45
24	2.27	0.32	22.83	1.10	25.59	10.45	0.89	5.15	2.15	1.07	1.75	5.41
25	2.02	0.31	24.50	1.01	25.72	9.65	1.44	3.97	1.33	0.80	1.58	3.52
26	1.93	0.33	24.64	0.97	25.73	8.86	1.06	3.17	1.10	0.70	1.72	2.52
27	1.90	0.39	24.23	1.04	25.68	8.28	1.54	2.68	1.59	0.64	1.06	2.06
28	2.05	0.33	22.74	1.43	25.54	7.52	1.61	2.43	1.46	0.56	1.76	1.63
29	3.41	0.36	18.47	1.93	---	6.71	1.32	2.10	1.38	0.51	3.12	1.29
30	3.87	0.45	14.06	2.33	---	5.88	1.01	2.03	1.54	0.58	2.84	1.02
31	2.21	---	12.90	2.34	---	5.14	---	1.81	---	0.79	2.29	---
MAX	14.14	23.52	24.64	13.02	25.73	25.00	24.23	14.85	15.92	6.15	3.78	5.45
MIN	0.55	0.28	0.27	0.97	2.41	5.14	0.89	0.68	0.86	0.51	1.06	0.20

07369500 TENSAS RIVER AT TENDAL, LA

LOCATION.--Lat 32°25'55", long 91°22'00", in NW ¼ sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near right bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi east of Waverly.

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

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

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft above NGVD of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft upstream at same datum. July 11, 1944 to Sept. 14, 1954, nonrecording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Satellite telemetry at station.

AVERAGE DISCHARGE.--68 years (water years 1936 to current), 355 ft³/s, 257,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s, Nov. 19, 1948; maximum gage height, 27.21 ft, May 5, 1991; minimum discharge, 1.1 ft³/s, Sep. 20, 2000, but may have been less during period of indefinite stage-discharge relationship in October 1954.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,460 ft³/s, Apr. 7, gage height, 22.06 ft; maximum gage height, 23.20 ft, Apr. 10; minimum discharge, 6.6 ft³/s, Sept. 30, gage height, 5.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	353	30	e1,350	142	1,990	61	57	29	124	42	35
2	172	298	27	e1,320	129	1,840	59	45	19	96	49	28
3	141	274	26	e1,250	120	1,640	49	43	23	85	67	22
4	531	452	e130	e1,040	105	1,420	41	41	28	65	70	27
5	728	1,310	e510	e880	113	1,210	41	47	32	65	58	73
6	669	1,810	e600	e730	267	1,140	382	45	34	93	49	76
7	611	1,780	e570	e590	723	1,130	2,300	e65	33	141	42	52
8	620	1,630	e510	e483	705	972	2,380	342	36	145	31	34
9	573	1,410	e460	e395	592	802	2,360	523	40	114	24	23
10	834	1,200	e410	e315	715	674	2,360	471	34	73	23	17
11	1,040	1,070	e375	e248	711	589	2,370	419	25	63	20	18
12	971	904	e390	195	612	516	2,340	393	65	185	18	18
13	821	e820	e550	142	500	449	2,280	335	297	233	19	15
14	670	e720	e680	105	401	396	2,160	274	439	219	22	11
15	558	e630	e650	83	348	344	1,990	571	390	184	28	9.3
16	475	e550	e600	70	338	297	1,760	431	311	125	27	7.7
17	413	e475	e510	60	304	253	1,520	748	230	78	32	7.8
18	364	e410	e410	54	242	238	1,260	1,410	160	51	30	8.5
19	324	e350	e440	50	186	755	1,020	1,330	164	37	28	8.6
20	371	e295	e480	55	167	914	811	1,060	147	36	37	9.2
21	741	e250	e460	55	1,180	e728	672	930	112	43	42	13
22	771	e203	e385	54	2,350	e533	567	740	81	59	65	14
23	622	169	e480	50	2,300	e423	480	560	59	91	102	14
24	481	126	e1,000	43	2,180	e344	413	444	44	116	83	19
25	386	94	e1,800	41	2,120	e282	359	358	42	120	58	22
26	335	63	e2,000	42	2,090	e212	310	290	43	117	38	18
27	300	47	e1,950	48	2,140	168	258	230	91	96	27	15
28	463	39	e1,850	67	2,080	118	194	177	237	69	24	11
29	593	35	e1,700	91	---	88	133	105	228	47	28	8.4
30	539	34	e1,500	161	---	70	86	65	175	45	39	7.2
31	434	---	e1,400	160	---	60	---	44	---	41	42	---
TOTAL	16,774	17,801	22,883	10,227	23,860	20,595	31,016	12,593	3,648	3,056	1,264	641.7
MEAN	541	593	738	330	852	664	1,034	406	122	98.6	40.8	21.4
MAX	1,040	1,810	2,000	1,350	2,350	1,990	2,380	1,410	439	233	102	76
MIN	141	34	26	41	105	60	41	41	19	36	18	7.2
AC-FT	33,270	35,310	45,390	20,290	47,330	40,850	61,520	24,980	7,240	6,060	2,510	1,270
CAL YR	2002	TOTAL	120,575	MEAN 330	MAX 2,000	MIN 11	AC-FT 239,200					
WTR YR	2003	TOTAL	164,358.7	MEAN 450	MAX 2,380	MIN 7.2	AC-FT 326,000					

e Estimated

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.85	10.06	5.72	16.90	7.02	22.15	6.34	6.29	5.90	7.00	5.96	5.86
2	7.34	9.04	5.67	16.42	6.89	21.57	6.32	6.13	5.73	6.68	6.06	5.75
3	7.02	8.49	5.65	15.58	6.79	20.77	6.18	6.10	5.80	6.56	6.30	5.67
4	10.69	10.17	7.13	14.65	6.63	19.81	6.08	6.07	5.88	6.30	6.33	5.74
5	12.74	16.53	12.47	13.70	6.72	18.78	6.07	6.15	5.95	6.30	6.18	6.37
6	12.71	19.71	13.72	12.69	8.23	18.13	9.02	6.13	5.98	6.64	6.06	6.41
7	12.32	20.09	13.19	11.68	12.59	17.75	21.41	---	5.97	7.17	5.96	6.09
8	12.28	19.72	12.28	10.69	13.11	16.83	22.77	9.21	6.00	7.21	5.81	5.84
9	11.98	18.93	11.32	9.77	12.41	15.82	23.06	10.93	6.06	6.87	5.70	5.67
10	13.80	18.01	10.46	8.97	13.11	14.82	23.18	10.66	5.98	6.38	5.67	5.58
11	15.29	17.29	9.74	8.23	13.28	13.87	23.18	10.13	5.84	6.25	5.63	5.59
12	15.17	16.41	9.06	7.58	12.56	12.90	23.03	9.78	6.35	7.63	5.60	5.59
13	14.40	15.51	11.45	7.02	11.51	11.93	22.72	9.18	8.80	8.12	5.61	5.53
14	13.45	14.59	13.96	6.63	10.28	11.01	22.24	8.66	10.12	7.99	5.67	5.47
15	12.49	13.71	13.88	6.39	9.38	10.05	21.54	12.42	9.72	7.62	5.75	5.43
16	11.52	12.82	13.01	6.23	9.10	9.17	20.64	12.07	8.95	6.97	5.73	5.40
17	10.59	11.87	12.00	6.12	8.66	8.48	19.59	13.96	8.18	6.43	5.82	5.40
18	9.73	10.90	11.04	6.04	8.04	8.30	18.40	17.92	7.44	6.09	5.79	5.42
19	9.01	9.99	10.65	5.99	7.49	12.80	17.14	18.03	7.48	5.90	5.76	5.42
20	9.55	9.18	11.66	6.05	7.29	14.65	15.95	16.98	7.30	5.87	5.89	5.43
21	13.15	8.47	11.53	6.04	15.12	13.79	14.85	16.23	6.91	5.97	5.96	5.51
22	14.00	7.84	10.72	6.03	21.96	12.51	13.72	15.31	6.55	6.19	6.27	5.52
23	13.32	7.31	9.93	5.98	22.60	11.24	12.56	14.10	6.27	6.59	6.71	5.51
24	12.21	6.85	17.27	5.90	22.55	10.09	11.46	12.87	6.06	6.88	6.50	5.62
25	11.02	6.51	20.35	5.87	22.47	9.09	10.42	11.59	6.03	6.92	6.18	5.66
26	9.98	6.15	20.65	5.88	22.42	8.25	9.43	10.26	6.04	6.89	5.91	5.60
27	9.10	5.94	20.27	5.96	22.71	7.55	8.57	8.87	6.61	6.65	5.75	5.53
28	10.63	5.84	19.47	6.19	22.54	7.01	7.83	7.68	8.21	6.32	5.69	5.46
29	12.09	5.78	18.46	6.47	---	6.67	7.18	6.86	8.12	6.03	5.76	5.42
30	12.02	5.76	17.43	7.22	---	6.45	6.65	6.40	7.57	6.01	5.92	5.39
31	11.13	---	16.83	7.22	---	6.33	---	6.11	---	5.95	5.96	---
MAX	15.29	20.09	20.65	16.90	22.71	22.15	23.18	18.03	10.12	8.12	6.71	6.41
MIN	7.02	5.76	5.65	5.87	6.63	6.33	6.07	6.07	5.73	5.87	5.60	5.39

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE ¼ SE ¼ 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 NGVD of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949 to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft downstream at same datum. Auxiliary water-stage recorder 7.7 mi downstream from base gage at datum 46.05 ft above sea level. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,240 ft³/s, Apr. 8; maximum gage height, 21.63 ft, Apr. 8; minimum gage height, 6.23 ft, June 11.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.82	7.23	6.66	8.82	7.03	17.57	6.91	6.59	6.57	7.10	6.85	7.21
2	6.71	6.99	6.63	8.56	6.91	15.98	6.92	6.57	6.54	7.05	7.15	7.09
3	6.79	7.03	6.65	8.10	6.86	14.06	6.91	6.64	6.61	6.95	7.18	7.16
4	8.53	8.09	7.60	7.75	6.90	11.97	6.91	6.70	6.75	6.84	7.05	7.25
5	9.38	11.76	10.04	7.52	6.92	9.92	6.92	6.76	6.77	6.98	6.84	7.17
6	9.01	15.63	9.63	7.35	7.37	9.62	9.27	6.80	6.76	7.36	6.70	7.04
7	8.60	16.39	8.52	7.20	8.91	9.93	18.51	7.53	6.75	7.30	6.78	6.92
8	8.85	15.60	7.78	7.10	8.64	8.63	21.36	9.44	6.77	7.18	6.79	6.82
9	8.59	13.70	7.39	7.05	8.09	7.97	21.27	8.62	6.69	6.97	6.74	6.78
10	9.93	11.02	7.20	7.02	8.44	7.65	19.87	7.60	6.52	6.86	6.80	6.77
11	10.50	8.52	7.09	6.94	8.10	7.45	17.71	7.14	6.29	7.79	6.82	6.75
12	9.83	7.66	7.01	6.87	7.63	7.34	15.01	7.04	6.45	7.90	6.72	6.74
13	8.65	7.41	8.83	6.84	7.32	7.33	12.10	6.96	8.01	7.43	6.75	6.76
14	7.91	7.25	9.53	6.81	7.15	7.31	9.20	6.94	8.99	7.10	6.92	6.75
15	7.50	7.19	8.65	6.79	7.09	7.28	7.64	7.18	9.13	6.82	7.05	6.73
16	7.27	7.12	7.93	6.80	7.17	7.21	7.35	7.04	8.86	6.62	7.04	6.68
17	7.11	7.01	7.51	6.80	7.62	7.23	7.27	8.13	8.41	6.46	6.99	6.69
18	7.00	6.91	7.27	6.75	7.68	7.32	7.17	8.89	8.70	6.37	6.99	6.67
19	6.94	6.85	7.42	6.74	7.45	8.98	7.08	8.10	8.69	6.30	6.94	6.64
20	7.38	6.77	8.32	6.74	7.30	8.68	7.03	7.66	8.13	6.56	6.84	6.59
21	8.67	6.72	8.20	6.77	10.96	7.94	7.02	7.44	7.79	7.02	6.84	6.66
22	8.30	6.69	7.85	6.83	17.20	7.53	6.98	7.47	7.50	7.01	6.99	7.25
23	7.60	6.65	7.58	6.84	19.51	7.31	6.95	7.31	7.33	6.87	7.02	8.22
24	7.18	6.65	12.06	6.76	19.56	7.18	6.94	7.10	7.23	6.74	6.99	7.86
25	6.96	6.67	16.29	6.72	18.92	7.12	7.07	7.00	7.11	6.63	6.90	7.32
26	7.23	6.68	16.90	6.74	18.27	7.10	7.03	6.95	7.06	6.46	6.83	6.98
27	7.87	6.69	15.85	6.77	18.78	7.06	6.94	6.86	7.28	6.41	6.79	6.82
28	8.28	6.67	13.71	6.82	18.66	7.11	6.88	6.67	7.27	6.43	7.30	6.71
29	8.45	6.66	10.99	6.94	---	7.19	6.75	6.57	7.19	6.44	7.92	6.65
30	8.15	6.67	8.54	7.05	---	7.10	6.66	6.59	7.15	6.38	7.98	6.62
31	7.65	---	8.12	7.07	---	6.97	---	6.57	---	6.41	7.59	---
MAX	10.50	16.39	16.90	8.82	19.56	17.57	21.36	9.44	9.13	7.90	7.98	8.22
MIN	6.71	6.65	6.63	6.72	6.86	6.97	6.66	6.57	6.29	6.30	6.70	6.59

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

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

DRAINAGE AREA.--355 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft above NGVD of 1929. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s, Dec. 28, 1982; maximum gage height, 21.20 ft., from flood mark, Dec. 28, 1982; minimum discharge, 0.40 ft³/s, Aug. 31, 1954; minimum gage height, 2.67 ft, Sep. 26, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,750 ft³/s, gage height, 14.62 ft, Feb. 23; minimum gage height, 3.18 ft, July 31.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.47	4.40	4.42	11.46	6.70	12.58	6.77	4.81	4.37	4.28	3.54	3.60
2	3.39	4.22	4.34	11.79	6.41	12.28	6.37	4.64	4.21	4.02	3.52	3.66
3	3.67	4.14	4.33	11.73	6.12	11.71	6.13	4.44	4.10	3.79	4.19	3.86
4	4.08	4.56	6.49	11.41	6.04	11.05	5.95	4.24	4.06	3.96	4.58	3.90
5	4.01	9.25	9.96	10.74	5.99	10.33	5.84	4.14	3.91	4.49	4.06	3.90
6	3.71	11.52	10.80	9.74	6.22	9.88	5.86	4.03	3.79	4.50	3.79	4.57
7	3.99	11.65	10.81	8.88	8.55	10.11	7.28	3.98	3.75	4.41	3.68	4.22
8	4.02	11.29	10.61	8.23	9.28	10.31	9.96	4.00	3.74	4.50	3.62	3.91
9	3.79	10.78	9.65	7.81	9.54	10.33	11.37	4.11	3.70	4.32	3.55	3.73
10	3.68	9.14	8.24	7.53	9.59	9.82	12.08	4.93	3.70	4.12	3.50	3.59
11	3.66	7.04	7.20	7.28	9.54	9.17	11.47	4.69	3.59	5.30	3.38	3.47
12	3.66	5.77	6.58	7.01	9.44	8.66	10.36	4.31	3.63	6.82	3.29	3.70
13	3.59	5.25	6.96	6.66	9.07	8.35	8.93	4.08	3.67	5.95	3.32	4.30
14	3.54	4.88	8.19	6.44	8.40	8.57	7.90	3.99	3.85	4.96	3.28	4.43
15	3.49	4.66	8.71	6.29	7.92	8.90	7.14	8.26	5.72	4.43	3.30	4.55
16	3.43	4.51	8.93	6.17	7.70	9.11	6.54	13.38	5.45	4.11	3.27	4.47
17	3.41	4.42	8.37	6.00	7.70	8.96	6.10	14.13	4.83	4.02	3.26	4.23
18	3.37	4.36	7.47	5.87	7.68	8.57	5.81	13.21	5.06	4.47	3.36	3.96
19	3.36	4.35	7.23	5.74	7.47	9.53	5.58	12.16	6.41	4.36	3.36	3.79
20	3.51	4.34	9.08	5.62	7.25	10.32	5.40	11.35	6.76	4.43	3.32	3.69
21	3.85	4.25	9.81	5.57	9.85	10.40	5.81	10.42	6.10	4.12	3.34	3.63
22	3.87	4.17	10.10	5.61	13.38	10.32	5.88	8.87	5.15	3.86	3.35	3.85
23	4.22	4.10	10.11	5.63	14.51	9.44	6.21	7.97	4.60	3.69	3.24	4.30
24	4.16	4.03	11.66	5.55	14.11	8.51	6.19	7.49	4.27	3.73	3.22	5.36
25	3.95	4.01	12.91	5.40	13.31	7.92	6.10	6.58	4.19	3.63	3.21	5.83
26	3.80	3.97	13.04	5.34	13.03	7.81	6.27	5.88	4.14	3.54	3.27	4.91
27	3.73	3.96	12.90	5.41	12.76	8.30	6.47	5.51	4.02	3.47	3.43	4.29
28	3.75	4.00	12.21	5.54	12.66	8.39	5.98	5.24	3.99	3.38	3.40	4.01
29	4.15	4.01	11.43	5.73	---	8.38	5.31	5.00	4.12	3.30	3.38	3.84
30	4.54	4.22	10.54	6.57	---	7.96	4.97	4.78	4.52	3.25	3.37	3.75
31	4.60	---	10.52	6.85	---	7.34	---	4.56	---	3.30	3.42	---
MAX	4.60	11.65	13.04	11.79	14.51	12.58	12.08	14.13	6.76	6.82	4.58	5.83
MIN	3.36	3.96	4.33	5.34	5.99	7.34	4.97	3.98	3.59	3.25	3.21	3.47

07372050 DUGDEMONA RIVER NEAR JOYCE, LA

LOCATION.--Lat 31°56'05", Long 92°36'12", in NE ¼, Sec. 18, T. 11 N., R. 2 W., Winn Parish, Hydrologic Unit 08040303, on right bank on downstream side of bridge on U.S. Highway 84, approximately 1.1 miles east of Winnfield, approximately 4.4 miles downstream from the mouth of Miller Branch.

DRAINAGE AREA.--About 730 mi².

PERIOD OF RECORD.--November 2001 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Records good above 100 ft³/s and fair below. Satellite telemetry and rain gauge at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,700 ft³/s, Dec. 16, 2001; maximum gage height, 22.24 ft., Dec. 16, 2001; minimum discharge, 0.66 ft³/s, Sep. 10, 2002; minimum gage height, 4.11 ft, Sep. 10, 2002.

EXTREMES FOR CURRENT YEAR.--

2002 W.Y.--Maximum discharge, 28,700 ft³/s, Dec. 16, gage height, 22.24 ft; minimum discharge, 0.66 ft³/s, Sep. 10, gage height, 4.11 ft.

2003 W.Y.--Maximum discharge, 11,400 ft³/s, Feb. 22, gage height, 19.86 ft; minimum discharge, 6.5 ft³/s, Aug. 21, gage height, 4.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR NOVEMBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			11,800	1,330	4,390	917	1,870	121	36	36	12	8.9
2			10,000	983	3,540	949	1,760	105	36	38	9.8	7.5
3			8,730	681	2,870	965	1,820	94	41	47	7.3	5.5
4			7,370	483	2,320	747	2,130	87	40	67	5.8	3.7
5			5,960	398	1,860	587	3,140	80	33	186	4.9	2.2
6			4,760	808	2,520	470	3,860	74	27	217	4.8	1.3
7			3,720	1,170	3,460	403	3,620	67	25	159	4.1	1.1
8			3,090	1,100	3,220	365	3,470	61	24	104	3.9	0.92
9			2,640	1,190	3,140	337	4,860	54	21	70	4.0	0.78
10			2,200	1,320	3,260	363	5,560	49	18	49	4.0	0.71
11			1,730	1,420	3,290	550	5,510	45	18	36	3.6	0.91
12			1,460	1,520	3,200	857	5,660	41	16	30	4.0	1.0
13			2,560	1,600	2,980	1,100	6,030	40	12	31	6.1	0.98
14			6,560	1,570	2,640	1,120	5,330	38	9.4	101	14	0.92
15			22,800	1,410	2,200	1,100	4,280	34	12	81	32	1.0
16			26,800	1,130	1,700	1,060	3,360	31	16	66	21	1.3
17			20,800	797	1,240	1,010	2,680	34	19	152	15	1.9
18			14,600	536	829	1,040	2,010	37	17	159	18	2.2
19			9,660	393	558	1,100	1,390	48	13	135	15	4.5
20		18	7,120	338	927	1,100	852	41	13	134	13	14
21		18	5,910	320	1,360	1,010	476	35	9.9	111	15	14
22		17	5,270	318	1,230	849	321	36	5.4	77	19	18
23		15	6,900	343	1,170	717	264	35	4.1	51	17	21
24		17	7,660	407	1,070	698	223	40	4.2	35	14	23
25		14	5,820	1,070	987	755	200	44	5.1	27	11	29
26		32	4,560	1,660	1,000	1,040	198	40	15	23	10	36
27		113	3,680	3,730	1,060	1,670	192	36	11	22	10	32
28		1,110	3,050	12,300	1,050	2,180	177	31	14	18	9.9	25
29		3,900	2,540	11,600	---	2,240	158	28	41	17	10	20
30		10,700	2,090	7,930	---	1,970	140	26	43	15	10	19
31		---	1,690	5,640	---	1,710	---	41	---	13	10	---
TOTAL	---	---	223,530	65,495	59,071	30,979	71,541	1,573	599.1	2,307	338.2	298.32
MEAN	---	---	7,211	2,113	2,110	999	2,385	50.7	20.0	74.4	10.9	9.94
MAX	---	---	26,800	12,300	4,390	2,240	6,030	121	43	217	32	36
MIN	---	---	1,460	318	558	337	140	26	4.1	13	3.6	0.71
CFSM	---	---	9.74	2.86	2.85	1.35	3.22	0.07	0.03	0.10	0.01	0.01
IN.	---	---	11.24	3.29	2.97	1.56	3.60	0.08	0.03	0.12	0.02	0.01

07372050 DUGDEMONA RIVER NEAR JOYCE, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	148	71	6,140	294	6,730	495	164	94	69	30	14
2	15	128	75	5,570	321	5,770	415	133	83	55	25	15
3	20	135	80	4,700	323	5,010	344	106	75	57	21	16
4	45	386	286	4,080	309	4,440	286	92	65	60	22	17
5	62	2,050	1,690	3,570	288	4,010	243	82	57	56	30	27
6	41	3,970	1,910	3,220	322	3,630	234	73	53	142	33	43
7	68	3,240	1,730	2,930	992	3,380	402	67	54	115	47	45
8	72	3,020	1,870	2,650	1,040	3,030	499	61	50	83	52	40
9	60	3,010	1,880	2,320	881	2,610	418	57	45	90	45	45
10	45	2,800	1,710	1,870	1,070	2,150	400	52	39	83	37	50
11	39	2,470	1,550	1,340	1,270	1,730	430	48	34	89	32	48
12	37	2,110	1,430	832	1,240	1,470	575	46	37	254	28	49
13	33	1,730	1,560	515	1,250	1,330	977	56	54	357	25	62
14	27	1,330	1,670	377	1,190	1,350	1,550	70	68	278	22	58
15	25	903	1,290	323	1,080	1,230	1,800	71	70	217	20	43
16	22	451	972	291	1,010	996	1,590	70	64	170	17	48
17	19	210	755	264	893	802	1,050	171	58	120	14	57
18	16	134	607	243	719	687	490	391	101	103	11	57
19	13	108	563	228	568	962	261	952	192	94	9.2	56
20	28	94	688	216	529	1,200	191	2,600	285	129	8.1	51
21	126	86	664	206	2,760	1,130	161	3,650	279	180	11	46
22	102	80	543	197	9,600	1,110	146	3,710	211	173	29	45
23	97	76	562	189	9,910	1,070	150	3,240	179	161	33	46
24	97	73	4,980	181	8,900	1,060	167	2,670	153	185	22	47
25	78	70	7,810	174	9,150	1,070	180	2,010	116	129	15	54
26	60	67	6,760	178	10,400	1,080	181	1,240	88	114	13	60
27	53	65	6,290	207	9,480	1,080	200	563	93	98	11	77
28	61	63	5,880	240	8,030	923	218	262	74	70	9.4	96
29	101	63	5,380	246	---	799	205	166	61	51	11	87
30	163	67	4,860	276	---	705	186	128	85	40	11	64
31	155	---	5,140	285	---	592	---	107	---	34	11	---
TOTAL	1,797	29,137	71,256	44,058	83,819	63,136	14,444	23,108	2,917	3,856	704.7	1,463
MEAN	58.0	971	2,299	1,421	2,994	2,037	481	745	97.2	124	22.7	48.8
MAX	163	3,970	7,810	6,140	10,400	6,730	1,800	3,710	285	357	52	96
MIN	13	63	71	174	288	592	146	46	34	34	8.1	14
CFSM	0.08	1.31	3.11	1.92	4.05	2.75	0.65	1.01	0.13	0.17	0.03	0.07
IN.	0.09	1.46	3.58	2.21	4.21	3.17	0.73	1.16	0.15	0.19	0.04	0.07

07372050 DUGDEMONA RIVER NEAR JOYCE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			19.95	14.81	17.76	13.47	15.84	6.34	4.99	4.90	4.45	4.38
2			19.56	13.72	17.37	13.59	15.69	6.07	4.99	4.93	4.42	4.36
3			19.23	12.31	16.89	13.66	15.77	5.88	5.08	5.07	4.38	4.32
4			18.84	10.92	16.38	12.69	16.16	5.74	5.06	5.41	4.36	4.28
5			18.37	10.11	15.83	11.73	17.09	5.63	4.94	7.32	4.34	4.22
6			17.91	12.75	16.55	10.81	17.54	5.53	4.84	7.78	4.33	4.17
7			17.47	14.36	17.33	10.16	17.42	5.43	4.79	6.93	4.32	4.15
8			17.07	14.15	17.17	9.74	17.33	5.33	4.79	6.05	4.31	4.14
9			16.70	14.44	17.11	9.38	17.95	5.24	4.73	5.44	4.32	4.12
10			16.25	14.79	17.20	9.68	18.22	5.16	4.69	5.07	4.31	4.12
11			15.64	15.04	17.22	11.43	18.20	5.10	4.68	4.85	4.30	4.14
12			15.14	15.30	17.15	13.20	18.26	5.05	4.65	4.75	4.31	4.15
13			16.52	15.44	16.99	14.13	18.40	5.04	4.59	4.76	4.35	4.14
14			18.49	15.39	16.69	14.20	18.13	5.00	4.55	5.99	4.47	4.14
15			21.57	15.03	16.24	14.15	17.71	4.94	4.59	5.64	4.75	4.15
16			22.05	14.24	15.59	14.00	17.26	4.90	4.65	5.37	4.57	4.17
17			21.36	12.92	14.57	13.84	16.73	4.95	4.69	6.81	4.47	4.20
18			20.46	11.34	13.06	13.93	16.02	5.01	4.67	6.94	4.51	4.22
19			19.46	10.04	11.51	14.14	14.94	5.18	4.60	6.57	4.46	4.28
20		4.52	18.76	9.39	13.30	14.15	13.14	5.07	4.62	6.55	4.44	4.46
21		4.51	18.36	9.15	14.90	13.83	10.82	4.98	4.56	6.17	4.46	4.45
22		4.50	18.11	9.11	14.54	13.18	9.16	4.98	4.49	5.58	4.53	4.51
23		4.47	18.68	9.45	14.37	12.53	8.42	4.97	4.46	5.10	4.51	4.56
24		4.50	18.93	10.18	14.03	12.43	7.87	5.05	4.46	4.83	4.45	4.60
25		4.45	18.32	13.83	13.75	12.73	7.55	5.12	4.47	4.70	4.41	4.70
26		4.76	17.83	15.52	13.81	13.90	7.51	5.06	4.63	4.62	4.40	4.82
27		6.11	17.45	17.18	14.02	15.50	7.42	5.00	4.56	4.60	4.39	4.75
28		13.77	17.04	20.03	13.99	16.23	7.20	4.91	4.58	4.55	4.39	4.63
29		17.38	16.60	19.90	---	16.30	6.93	4.85	5.02	4.52	4.39	4.55
30		19.68	16.12	19.00	---	15.97	6.65	4.81	5.05	4.49	4.40	4.52
31		---	15.57	18.25	---	15.62	---	5.07	---	4.47	4.39	---
MAX	---	---	22.05	20.03	17.76	16.30	18.40	6.34	5.08	7.78	4.75	4.82
MIN	---	---	15.14	9.11	11.51	9.38	6.65	4.81	4.46	4.47	4.30	4.12

07372050 DUGDEMONA RIVER NEAR JOYCE, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.50	6.77	5.45	18.44	8.80	18.64	10.79	7.01	5.87	5.41	4.71	4.45
2	4.47	6.46	5.53	18.22	9.15	18.30	10.13	6.53	5.68	5.15	4.62	4.46
3	4.54	6.55	5.63	17.86	9.17	18.00	9.41	6.10	5.53	5.20	4.56	4.49
4	4.98	9.89	8.23	17.57	8.99	17.73	8.70	5.84	5.33	5.25	4.58	4.50
5	5.29	15.56	15.32	17.28	8.72	17.51	8.14	5.66	5.20	5.17	4.71	4.66
6	4.91	17.58	15.78	17.01	9.10	17.29	8.01	5.50	5.13	6.66	4.77	4.95
7	5.39	17.17	15.50	16.75	13.21	17.10	9.94	5.38	5.14	6.24	5.02	4.98
8	5.47	17.01	15.69	16.47	13.46	16.78	10.81	5.27	5.06	5.68	5.10	4.89
9	5.25	17.00	15.70	16.07	12.89	16.34	10.16	5.19	4.97	5.81	4.97	4.98
10	4.98	16.82	15.42	15.43	13.53	15.74	10.0	5.11	4.87	5.68	4.83	5.06
11	4.86	16.53	15.11	14.37	14.11	15.06	10.26	5.04	4.79	5.79	4.75	5.03
12	4.84	16.13	14.83	12.74	14.03	14.52	11.30	5.00	4.84	8.24	4.67	5.05
13	4.77	15.61	15.08	11.00	14.04	14.21	13.11	5.18	5.14	9.58	4.63	5.28
14	4.67	14.83	15.27	9.79	13.86	14.25	14.69	5.43	5.40	8.59	4.58	5.22
15	4.62	13.37	14.42	9.16	13.53	13.93	15.19	5.46	5.44	7.78	4.55	4.95
16	4.58	10.51	13.43	8.76	13.30	13.20	14.79	5.44	5.32	7.10	4.50	5.03
17	4.53	7.66	12.52	8.41	12.88	12.48	13.34	7.06	5.20	6.32	4.45	5.20
18	4.49	6.55	11.70	8.13	12.13	11.96	10.65	9.89	5.99	6.04	4.41	5.20
19	4.43	6.13	11.41	7.93	11.29	13.04	8.37	12.99	7.41	5.88	4.38	5.18
20	4.68	5.88	12.15	7.76	11.01	13.83	7.41	16.35	8.68	6.46	4.36	5.09
21	6.41	5.73	12.01	7.63	16.04	13.64	6.97	17.33	8.61	7.25	4.41	5.00
22	6.02	5.62	11.24	7.50	19.41	13.59	6.74	17.37	7.70	7.15	4.70	4.99
23	5.94	5.55	11.24	7.39	19.53	13.43	6.80	17.02	7.24	6.97	4.76	5.00
24	5.94	5.50	17.70	7.26	19.28	13.40	7.06	16.48	6.85	7.32	4.58	5.01
25	5.58	5.44	18.97	7.16	19.34	13.44	7.25	15.63	6.26	6.47	4.47	5.13
26	5.26	5.38	18.65	7.23	19.63	13.47	7.27	14.07	5.77	6.23	4.44	5.25
27	5.12	5.34	18.49	7.64	19.42	13.46	7.54	11.22	5.86	5.95	4.40	5.57
28	5.26	5.30	18.35	8.09	19.04	12.95	7.80	8.37	5.52	5.43	4.38	5.92
29	5.99	5.31	18.15	8.17	---	12.48	7.61	7.04	5.26	5.08	4.40	5.75
30	7.00	5.37	17.93	8.57	---	12.05	7.35	6.46	5.72	4.89	4.41	5.33
31	6.88	---	18.05	8.68	---	11.43	---	6.11	---	4.78	4.41	---
MAX	7.00	17.58	18.97	18.44	19.63	18.64	15.19	17.37	8.68	9.58	5.10	5.92
MIN	4.43	5.30	5.45	7.16	8.72	11.43	6.74	5.00	4.79	4.78	4.36	4.45

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in NW ¼ 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 NGVD of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi upstream from base gage at same datum. Nonrecording gage read twice daily at auxiliary gage from Jan. 3, 1983 to Sept. 30, 1986.

REMARKS.--Records fair, except for estimated daily discharges which are poor. Natural flow is supplemented by effluent from operation of several oil fields upstream from station.

AVERAGE DISCHARGE.--45 years, (1928-1996, 1998 to current), 2,440 ft³/s, 1,659,000 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, 8.8 ft³/s, Sep. 6-9, 2000, gage height, 4.26 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, e26,700 ft³/s, Feb. 25, maximum gage height, 36.39 ft; minimum discharge, 19 ft³/s, Sep. 8; minimum gage height, 4.73 ft., Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	e880	e184	e11,500	e1,050	e16,900	1,230	e547	e512	e306	e247	e23
2	27	e704	e187	e11,100	e983	e15,400	1,030	e532	e496	e274	e189	e22
3	63	e688	e202	e10,500	e897	e14,000	860	e512	e480	e255	129	e29
4	e895	e2,710	e1,600	e10,000	e850	12,700	707	e495	e447	e241	102	e32
5	e1,430	e5,880	e4,760	e9,520	e824	11,800	596	e480	e439	e220	81	e28
6	e1,100	e7,800	e5,640	e8,900	e899	10,900	550	e471	e398	e368	66	23
7	e795	9,160	e5,950	e8,180	e2,050	9,950	819	e465	e357	e348	57	20
8	e587	10,900	e5,920	e7,330	e2,870	8,990	e1,240	e463	e333	e261	56	19
9	e413	12,000	e5,610	e6,420	e3,090	7,900	e1,580	e460	e324	e328	54	28
10	e344	e11,500	e5,220	e5,490	e3,190	6,800	e1,620	e458	e292	e335	56	36
11	e349	10,400	e4,820	e4,460	e3,240	5,680	e1,590	e455	e260	e455	57	42
12	e334	9,090	e4,310	e3,440	e3,120	4,540	e1,490	e455	e696	e415	53	71
13	e279	7,620	e4,350	e2,610	e2,850	3,670	e1,270	e457	e1,090	e408	49	119
14	e214	6,150	e4,810	e1,930	e2,550	3,750	e1,220	e458	e1,090	e616	48	145
15	e161	e4,890	e4,770	e1,410	e2,300	3,700	e1,340	e465	e963	e721	45	137
16	121	e3,650	e4,460	e1,100	e2,220	3,450	e1,500	e482	e968	e669	39	122
17	94	e2,560	e4,050	e918	e2,230	2,990	e1,580	e706	e1,050	e576	35	100
18	75	e1,630	e3,570	e794	e2,160	2,500	e1,520	e1,090	e1,000	e531	31	79
19	62	e1,030	e3,040	e702	e2,000	2,530	e1,290	e1,900	e831	e761	28	72
20	131	e719	e2,520	e632	e1,830	2,980	e978	e2,720	e650	e715	29	73
21	e1,100	e553	e2,130	e580	e3,970	3,110	e754	e3,370	e603	e530	31	72
22	e1,600	e447	e1,910	e533	e7,520	2,990	e652	e3,840	e588	e437	30	73
23	e1,470	e374	e1,740	e493	e14,800	2,780	e608	e4,210	e574	e406	29	75
24	e1,220	e319	e4,120	e458	e23,200	2,420	e604	e4,400	e565	e457	28	77
25	e970	e276	e6,690	e428	e26,700	2,080	e612	e4,270	e560	e504	28	73
26	e832	e243	e9,440	e416	e23,700	1,920	e598	e3,840	e536	e475	29	68
27	e804	e224	e15,100	e428	e21,000	2,060	e579	e3,150	e482	e416	29	67
28	e1,500	e211	e17,100	e448	e18,700	2,120	e562	e2,210	e420	e371	27	72
29	e1,890	e198	e15,300	e525	---	e1,930	e558	e1,460	e369	e337	e26	81
30	e1,780	e190	e12,800	e835	---	1,740	e557	e755	e335	e308	e25	108
31	e1,340	---	e11,900	e1,030	---	e1,450	---	e524	---	e286	e24	---
TOTAL	22,010	112,996	174,203	113,110	180,793	175,730	30,094	46,100	17,708	13,330	1,757	1,986
MEAN	710	3,767	5,619	3,649	6,457	5,669	1,003	1,487	590	430	56.7	66.2
MAX	1,890	12,000	17,100	11,500	26,700	16,900	1,620	4,400	1,090	761	247	145
MIN	27	190	184	416	824	1,450	550	455	260	220	24	19
AC-FT	43,660	224,100	345,500	224,400	358,600	348,600	59,690	91,440	35,120	26,440	3,490	3,940
CAL YR	2002	TOTAL 779,366	MEAN 2,135	MAX 17,100	MIN 11	AC-FT 1,546,000						
WTR YR	2003	TOTAL 889,817	MEAN 2,438	MAX 26,700	MIN 19	AC-FT 1,765,000						

e Estimated

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.88	12.03	7.10	32.69	13.27	34.28	15.05	10.21	12.56	9.56	7.77	---
2	4.80	10.58	7.13	32.43	12.91	33.77	14.19	10.10	12.39	9.32	7.27	---
3	5.24	10.30	7.28	32.08	12.44	33.21	13.42	9.95	12.28	9.06	6.73	---
4	12.18	---	14.91	31.74	12.17	32.61	12.68	9.82	12.15	8.92	6.27	5.12
5	15.10	---	25.69	31.38	12.02	31.98	12.05	9.71	11.89	8.84	5.94	---
6	13.48	---	27.36	30.91	12.44	31.40	11.69	9.64	11.49	9.96	5.72	4.91
7	11.74	29.95	27.82	30.30	17.74	30.81	12.58	9.60	11.07	---	5.58	4.85
8	10.37	31.07	27.78	29.51	20.78	30.16	---	9.58	10.62	9.77	5.56	4.81
9	9.06	31.85	27.32	28.48	---	29.40	16.93	9.56	10.17	9.91	5.53	4.99
10	8.49	---	26.65	27.10	21.79	28.53	16.95	9.54	9.94	9.91	5.56	5.13
11	8.54	31.11	25.86	25.09	21.96	27.52	16.69	9.52	9.87	10.00	5.57	5.21
12	8.41	30.31	24.77	22.52	21.59	26.30	16.10	9.52	10.36	9.91	5.51	5.66
13	7.91	29.28	24.86	19.88	20.73	25.07	14.99	9.53	12.65	9.92	5.45	6.25
14	7.28	27.86	25.85	17.30	19.67	25.13	14.59	9.54	---	---	5.42	6.54
15	6.72	25.77	25.77	15.09	18.77	24.96	15.05	9.59	---	11.39	5.37	6.51
16	6.27	22.70	25.11	13.57	18.47	24.17	15.62	9.67	---	---	5.27	6.30
17	5.92	19.16	24.15	12.55	18.50	23.16	15.83	11.12	12.58	10.41	5.17	5.99
18	5.65	15.54	22.91	11.84	18.26	21.98	15.56	13.26	12.34	10.09	5.10	5.71
19	5.45	12.71	21.32	11.27	17.63	21.93	14.54	15.14	11.57	11.64	5.04	5.60
20	6.22	10.95	19.57	10.81	16.90	22.65	12.88	16.94	---	11.35	5.06	5.62
21	13.22	9.86	18.11	10.44	23.49	22.59	11.59	18.46	---	---	5.10	5.60
22	15.63	9.11	17.25	10.11	29.59	21.92	10.94	19.67	11.38	9.38	5.08	5.61
23	14.98	8.56	16.54	9.81	32.98	21.14	10.64	20.55	11.38	9.13	5.06	5.64
24	13.73	8.13	23.94	9.54	35.75	20.14	10.62	21.04	11.35	9.53	5.04	5.67
25	12.32	7.78	28.78	9.31	36.31	18.98	10.67	20.99	11.36	9.89	5.04	5.62
26	11.47	7.52	31.26	9.21	35.81	18.18	10.57	20.40	11.36	9.67	5.07	5.54
27	11.21	7.37	34.08	9.31	35.23	18.35	10.44	19.32	11.16	9.21	5.05	5.52
28	14.67	7.27	34.74	9.46	34.74	18.46	10.31	17.57	---	8.84	---	5.60
29	16.34	7.18	34.17	10.04	---	---	10.29	15.00	10.25	8.55	---	5.72
30	15.83	7.13	33.32	12.07	---	17.02	10.28	13.19	9.85	8.30	---	6.10
31	13.90	---	32.93	13.15	---	---	---	12.71	---	8.11	---	---
MAX	16.34	31.58	34.74	32.69	36.31	34.28	16.95	21.04	---	11.64	7.77	6.54
MIN	4.80	7.13	7.10	9.21	12.02	17.02	11.69	9.52	9.85	8.11	---	4.81

07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic benchmark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW ¼ SE ¼ 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 concrete control. Datum of gage is 76.69 ft above NGVD of 1929. See WDR-LA-88-1 for history of changes prior to Oct. 1, 1988.

REMARKS--Records good, except for estimated records, which are poor. Satellite telemetry and rain gage at site.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 5	1200	*3,000	*11.94	Feb 22	0230	2,310	11.20
Dec 4	1830	1,490	10.06				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	48	40	303	52	71	45	30	18	22	32	19
2	14	42	34	104	48	64	44	29	23	19	22	22
3	241	325	54	73	46	73	44	27	22	20	18	19
4	409	973	821	63	43	133	44	26	18	25	17	16
5	56	2,350	813	58	40	90	e74	25	18	56	16	15
6	37	672	151	54	59	124	e66	25	20	48	16	14
7	124	136	86	50	92	84	e54	25	21	26	15	13
8	64	91	70	48	58	68	47	25	20	22	14	13
9	48	73	62	48	52	62	42	23	18	22	14	13
10	63	64	71	46	62	57	41	22	17	23	13	16
11	52	56	62	43	53	54	40	21	18	22	14	12
12	37	49	65	42	47	104	38	21	53	20	15	44
13	31	44	315	42	45	384	36	22	112	19	16	52
14	28	42	120	42	44	181	34	24	88	34	15	23
15	26	45	72	42	63	93	33	31	41	27	14	17
16	24	50	61	41	74	75	32	30	41	21	14	15
17	23	42	58	38	54	71	33	29	38	19	14	14
18	22	39	55	38	47	84	31	27	47	23	13	14
19	22	38	86	38	45	121	30	24	32	74	12	14
20	45	37	110	38	47	74	31	23	27	29	12	14
21	65	36	64	40	1,070	61	30	22	24	23	14	15
22	39	34	56	38	1,540	56	29	22	23	20	17	23
23	34	37	56	36	313	53	28	21	23	22	15	19
24	30	33	446	34	110	51	62	20	21	23	13	16
25	55	33	240	35	88	49	62	20	20	20	12	15
26	106	34	85	62	90	78	37	25	23	18	12	14
27	204	36	69	64	112	74	31	26	22	18	13	14
28	336	35	62	47	86	58	29	21	20	17	13	14
29	234	33	58	75	---	51	28	20	20	16	15	12
30	96	38	59	113	---	47	28	19	21	16	16	12
31	59	---	622	62	---	45	---	19	---	26	16	---
TOTAL	2,639	5,565	5,023	1,857	4,480	2,690	1,203	744	909	790	472	533
MEAN	85.1	186	162	59.9	160	86.8	40.1	24.0	30.3	25.5	15.2	17.8
MAX	409	2,350	821	303	1,540	384	74	31	112	74	32	52
MIN	14	33	34	34	40	45	28	19	17	16	12	12
AC-FT	5,230	11,040	9,960	3,680	8,890	5,340	2,390	1,480	1,800	1,570	936	1,060
CFSM	1.67	3.64	3.18	1.17	3.14	1.70	0.79	0.47	0.59	0.50	0.30	0.35
IN.	1.92	4.06	3.66	1.35	3.27	1.96	0.88	0.54	0.66	0.58	0.34	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2003, BY WATER YEAR (WY)

	33.3	53.7	73.5	95.4	109	101	97.7	79.2	41.2	33.4	24.0	28.3
MAX	288	391	470	352	474	313	462	698	284	240	105	161
(WY)	(1985)	(1988)	(1983)	(1990)	(1966)	(1995)	(1991)	(1953)	(1989)	(1969)	(1961)	(1985)
MIN	7.87	12.4	15.7	18.3	16.5	23.5	21.5	15.4	10.1	9.22	6.51	5.82
(WY)	(1964)	(1968)	(1955)	(2000)	(2000)	(1955)	(1956)	(1956)	(1963)	(1956)	(2000)	(1956)

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1943 - 2003	
ANNUAL TOTAL	25,488.0		26,905		64.1	
ANNUAL MEAN	69.8		73.7		139	
HIGHEST ANNUAL MEAN					22.7	
LOWEST ANNUAL MEAN					10,100	
HIGHEST DAILY MEAN	2,350	Nov 5	2,350	Nov 5	23,500	May 17, 1953
LOWEST DAILY MEAN	9.6	Sep 15	c12	Aug 19	3.5	Sep 6, 2000
ANNUAL SEVEN-DAY MINIMUM	11	Sep 10	13	Aug 15	3.9	Sep 1, 2000
MAXIMUM PEAK FLOW			3,000	Nov 5	18.58	Nov 16, 1987
MAXIMUM PEAK STAGE			11.94	Nov 5	a3.4	Sep 5, 2000
INSTANTANEOUS LOW FLOW			11	Aug 25	1.08	Sep 29, 1956
INSTANTANEOUS LOW STAGE			b2.79	Aug 25	46,460	
ANNUAL RUNOFF (AC-FT)	50,560		53,370		1.26	
ANNUAL RUNOFF (CFSM)	1.37		1.45		17.09	
ANNUAL RUNOFF (INCHES)	18.59		19.62		94	
10 PERCENT EXCEEDS	96		99		29	
50 PERCENT EXCEEDS	37		37		13	
90 PERCENT EXCEEDS	14		15			

a Also occurred Sep. 6 and 7, 2000

b Also occurred Aug. 26 and 27

c Several days

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	3.25	3.17	4.89	3.33	3.48	3.27	3.10	2.93	2.99	3.13	2.94
2	2.81	3.20	3.10	3.68	3.30	3.44	3.26	3.10	3.00	2.95	2.99	2.99
3	4.41	5.08	3.26	3.50	3.28	3.49	3.26	3.07	3.00	2.96	2.94	2.95
4	5.63	8.66	7.46	3.43	3.26	3.83	3.26	3.05	2.94	3.04	2.91	2.90
5	3.31	11.22	7.92	3.39	3.22	3.60	---	3.04	2.93	3.33	2.88	2.87
6	3.14	6.83	3.89	3.35	3.38	3.78	---	3.04	2.96	3.28	2.89	2.85
7	3.72	3.81	3.53	3.32	3.61	3.57	---	3.05	2.99	3.06	2.87	2.83
8	3.38	3.57	3.43	3.31	3.39	3.46	3.29	3.04	2.96	3.00	2.85	2.84
9	3.24	3.46	3.37	3.30	3.34	3.42	3.25	3.02	2.92	3.00	2.84	2.83
10	3.38	3.38	3.44	3.29	3.42	3.38	3.23	3.00	2.91	3.01	2.84	2.88
11	3.29	3.32	3.38	3.25	3.34	3.35	3.22	2.98	2.92	2.99	2.85	2.81
12	3.14	3.26	3.38	3.24	3.29	3.65	3.21	2.98	3.27	2.97	2.87	3.22
13	3.07	3.21	4.91	3.25	3.27	5.43	3.18	3.00	3.72	2.94	2.89	3.32
14	3.04	3.20	3.72	3.24	3.26	4.09	3.16	3.02	3.57	3.14	2.87	3.00
15	3.01	3.23	3.45	3.24	3.41	3.61	3.14	3.11	3.23	3.07	2.84	2.91
16	2.98	3.27	3.37	3.23	3.50	3.51	3.14	3.11	3.24	2.97	2.84	2.88
17	2.96	3.19	3.34	3.20	3.35	3.48	3.14	3.10	3.20	2.94	2.84	2.86
18	2.95	3.16	3.31	3.20	3.29	3.55	3.13	3.07	3.29	3.01	2.83	2.85
19	2.95	3.15	3.51	3.20	3.27	3.77	3.11	3.03	3.13	3.45	2.81	2.85
20	3.20	3.14	3.67	3.21	3.29	3.50	3.12	3.02	3.07	3.10	2.81	2.84
21	3.38	3.13	3.39	3.22	8.54	3.41	3.11	3.00	3.03	3.01	2.85	2.87
22	3.16	3.11	3.32	3.20	9.99	3.37	3.10	3.00	3.02	2.97	2.90	3.02
23	3.10	3.14	3.32	3.18	4.96	3.34	3.08	2.98	3.00	3.00	2.87	2.95
24	3.06	3.09	5.95	3.16	3.71	3.33	3.37	2.97	2.98	3.02	2.83	2.89
25	3.26	3.10	4.48	3.17	3.59	3.31	3.41	2.97	2.96	2.96	2.81	2.87
26	3.65	3.11	3.53	3.40	3.60	3.51	3.19	3.04	3.01	2.93	2.80	2.86
27	4.28	3.13	3.43	3.43	3.73	3.50	3.12	3.05	3.00	2.92	2.82	2.86
28	5.11	3.12	3.37	3.30	3.57	3.38	3.10	2.99	2.96	2.91	2.83	2.84
29	4.35	3.09	3.34	3.48	---	3.33	3.09	2.97	2.97	2.90	2.86	2.81
30	3.59	3.15	3.35	3.72	---	3.29	3.09	2.95	2.99	2.88	2.88	2.81
31	3.34	---	7.09	3.42	---	3.28	---	2.94	---	3.02	2.89	---
MAX	5.63	11.22	7.92	4.89	9.99	5.43	---	3.11	3.72	3.45	3.13	3.32
MIN	2.81	3.09	3.10	3.16	3.22	3.28	3.08	2.94	2.91	2.88	2.80	2.81

07373000 BIG CREEK AT POLLOCK, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943, 1959, 1965 to 1996, 2001 to current year.

PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.-- WATER TEMPERATURES:Maximum,31°C July 30 to Aug. 1, 1976; minimum, 2.0°C Jan. 15, 1969, Jan. 10, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)
OCT 23...	1145	3.10	8.4	6.5	45	20.0	9	2.30	0.87	1.40	4.0	11	3.90
FEB 11...	1620	3.33	--	--	--	--	--	--	--	--	--	--	--
APR 23...	1100	3.08	6.9	6.8	44	17.4	8	1.80	0.80	1.20	4.1	6	8.10
AUG 27...	0900	2.82	--	6.6	46	25.2	8	1.90	0.87	1.40	4.7	8	6.50

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat fltr mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
OCT 23...	<0.1	18.0	2.60	40	47	0.50	0.03	0.04	<0.010	<0.01	<0.02	<0.02	--
FEB 11...	--	--	--	--	53	0.30	0.02	0.02	<0.010	<0.01	<0.02	<0.02	--
APR 23...	<0.1	19.0	1.40	41	40	<0.20	0.02	0.06	<0.010	<0.01	<0.02	<0.02	0.5
AUG 27...	<0.1	21.0	1.20	43	44	0.20	0.03	0.05	<0.010	<0.01	<0.02	<0.02	5.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Fecal streptococci KF MF, col/ 100 mL (31673)	Aluminum, water, fltrd, ug/L (01106)	Barium, water, fltrd, ug/L (01005)	Cobalt water, fltrd, ug/L (01035)	Iron, water, fltrd, ug/L (01046)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)
OCT 23...	198	84	50	40.0	<1	285	1	54	<2	<1.0	<1	<1.0	22.0
FEB 11...	187	22k	--	--	--	--	--	--	--	--	--	--	--
APR 23...	148	163	26	33.0	<1	388	1	76	<2	<1.0	<1	<1.0	18.0
AUG 27...	<2	396	6	32.0	<1	74	1	75	<2	<1.0	<1	<1.0	21.0

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Vanad- ium, water, fltrd, ug/L (01085)
OCT 23...	<1
FEB 11...	--
APR 23...	<1
AUG 27...	<1

Remark codes used in
this table:

< -- Less than

Value qualifier codes
used in this table:

k -- Counts outside
acceptable range

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

LOCATION.--Lat 31°42'01", long 91°27'31", in sec. 47, T.8 N., R.10 E., Concordia Parish, Hydrologic Unit 08040306, approximately 7.5 miles northeast of Ferriday on State Highway 568, approximately 200 yards east of intersection with State Highway 569.

DRAINAGE AREA.--14.8 mi².

PERIOD OF RECORD.--January 1967 to September 1986, elevations only. March 2002 to current year, gage heights only.

GAGE.--Water-stage recorder. Datum of gage is undetermined. Prior to September 30, 1986, water-stage recorder at site 0.25 mi. north of present location at NGVD of 1929. Prior to May 19, 1981, water-stage recorder at site 8.5 mi. southwest of Waterproof at NGVD of 1929 and prior to Oct. 1, 1976, at datum of 50.00 ft. higher.

REMARKS.--Lake is formed from an oxbow lake by four control structures; two are on Buckner Bayou. Buckner Bayou floodgate consists of two 4.0 ft. pipes with stoplogs which raise elevation. Adjacent to the floodgate is Buckner Bayou weir, which is 30 ft. in length. Lake St. John Control Structure is on lateral canal 2-A near southern end of Lake St. John on west side of lake. This structure consists of two 8.5 by 3.5 ft. timber gates. Little Tensas Bayou Control Structure is located at northeast end of Lake St. John and consists of a 5.0 ft. pipe with a flap valve. Lake is used for flood control and conservation. Satellite telemetry, telephony, and rain gauge at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 58.17 ft, NGVD of 1929, May 13, 1973; minimum observed, 50.25 ft, NGVD of 1929, Nov. 17, 1982.

EXTREMES FOR CURRENT YEAR.--

2002 WY--Maximum gage height, undetermined; minimum gage height, undetermined.

2003 WY--Maximum gage height, 14.33 ft, Feb. 23; minimum gage height, 11.75 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	12.98	12.74	12.56	12.53	12.62	12.35
2	---	---	---	---	---	---	12.96	12.72	12.52	12.55	12.62	12.33
3	---	---	---	---	---	---	12.95	12.70	12.51	12.55	12.60	12.31
4	---	---	---	---	---	---	12.90	12.69	12.50	12.57	12.58	12.29
5	---	---	---	---	---	---	12.87	12.67	12.48	12.61	12.57	12.28
6	---	---	---	---	---	---	12.84	12.65	12.48	12.62	12.57	12.27
7	---	---	---	---	---	---	12.81	12.63	12.47	12.62	12.55	12.26
8	---	---	---	---	---	---	13.06	12.64	12.46	12.58	12.53	12.24
9	---	---	---	---	---	---	13.35	12.65	12.46	12.55	12.50	12.22
10	---	---	---	---	---	---	13.40	12.63	12.46	12.54	12.48	12.20
11	---	---	---	---	---	---	13.39	12.61	12.46	12.52	12.46	12.19
12	---	---	---	---	---	---	13.37	12.58	12.45	12.49	12.46	12.17
13	---	---	---	---	---	---	13.33	12.59	12.44	12.45	12.44	12.14
14	---	---	---	---	---	---	13.28	12.56	12.41	12.43	12.47	12.12
15	---	---	---	---	---	---	13.23	12.52	12.36	12.43	12.50	12.10
16	---	---	---	---	---	---	13.19	12.50	12.35	12.45	12.54	12.08
17	---	---	---	---	---	---	13.15	12.52	12.33	12.45	12.55	12.10
18	---	---	---	---	---	---	13.12	12.59	12.31	12.44	12.56	12.13
19	---	---	---	---	---	---	13.08	12.54	12.29	12.45	12.54	12.12
20	---	---	---	---	---	13.18	13.05	12.50	12.27	12.44	12.52	12.15
21	---	---	---	---	---	13.20	13.02	12.48	12.26	12.38	12.52	12.17
22	---	---	---	---	---	13.02	13.01	12.46	12.24	12.36	12.53	12.37
23	---	---	---	---	---	12.94	12.97	12.44	12.22	12.39	12.56	12.43
24	---	---	---	---	---	12.93	12.94	12.42	12.23	12.41	12.55	12.39
25	---	---	---	---	---	12.93	12.89	12.41	12.22	12.42	12.51	12.39
26	---	---	---	---	---	12.99	12.85	12.41	12.21	12.39	12.49	12.61
27	---	---	---	---	---	12.98	12.81	12.41	12.25	12.38	12.45	12.81
28	---	---	---	---	---	12.95	12.79	12.48	12.41	12.38	12.41	12.85
29	---	---	---	---	---	12.93	12.78	12.52	12.52	12.38	12.39	12.87
30	---	---	---	---	---	12.93	12.76	12.56	12.53	12.39	12.37	12.85
31	---	---	---	---	---	12.99	---	12.58	---	12.50	12.36	---
MAX	---	---	---	---	---	---	13.40	12.74	12.56	12.62	12.62	12.87
MIN	---	---	---	---	---	---	12.76	12.41	12.21	12.36	12.36	12.08

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.82	13.28	12.87	13.26	12.74	13.88	12.94	12.66	12.76	12.73	12.49	12.12
2	12.82	13.23	12.84	13.25	12.73	13.79	12.91	12.64	12.75	12.70	12.47	12.12
3	12.89	13.27	12.85	13.21	12.73	13.70	12.89	12.63	12.81	12.71	12.45	12.12
4	12.92	13.57	13.00	13.17	12.73	13.63	12.88	12.61	12.80	12.80	12.44	12.12
5	12.93	13.98	13.16	13.13	12.71	13.60	12.87	12.59	12.78	12.80	12.41	12.09
6	12.86	14.11	13.16	13.11	12.74	13.66	12.86	12.58	12.76	12.85	12.40	12.06
7	12.86	14.10	13.14	13.06	12.78	13.61	12.89	12.58	12.75	12.84	12.47	12.04
8	12.83	14.04	13.12	13.03	12.76	13.54	12.88	12.56	12.74	12.82	12.46	12.02
9	12.81	13.96	13.09	13.00	12.77	13.49	12.83	12.55	12.70	12.81	12.45	12.00
10	12.80	13.89	13.08	13.00	12.79	13.42	12.80	12.54	12.66	12.81	12.43	11.98
11	12.79	13.87	13.06	12.95	12.78	13.36	12.78	12.53	12.65	12.80	12.41	11.96
12	12.77	13.78	13.04	12.92	12.77	13.32	12.76	12.52	12.73	12.78	12.40	11.99
13	12.74	13.68	13.14	12.89	12.76	13.32	12.75	12.50	12.81	12.74	12.38	12.03
14	12.71	13.59	13.15	12.87	12.75	13.35	12.73	12.49	12.83	12.72	12.36	12.03
15	12.68	13.54	13.13	12.85	12.86	13.32	12.72	12.51	12.86	12.69	12.34	12.00
16	12.65	13.47	13.10	12.85	13.03	13.27	12.70	12.50	12.90	12.67	12.33	11.98
17	12.62	13.38	13.07	12.80	13.03	13.27	12.69	12.72	12.90	12.65	12.31	11.95
18	12.61	13.31	13.05	12.78	13.03	13.26	12.68	12.96	12.98	12.63	12.29	11.93
19	12.59	13.27	13.06	12.76	13.00	13.37	12.67	12.99	12.99	12.61	12.28	11.91
20	12.61	13.22	13.06	12.75	13.00	13.37	12.66	13.00	12.98	12.60	12.27	11.90
21	12.63	13.18	13.03	12.75	13.47	13.35	12.66	13.01	12.94	12.58	---	11.89
22	12.63	13.13	13.01	12.74	14.18	13.31	12.65	12.97	12.90	12.56	---	11.93
23	12.68	13.08	12.99	12.75	14.32	13.26	12.63	12.95	12.88	12.61	---	11.92
24	12.67	13.04	13.14	12.70	14.30	13.21	12.68	12.92	12.84	12.59	---	11.91
25	12.69	13.01	13.17	12.68	14.23	13.16	12.75	12.88	---	12.56	12.21	11.89
26	12.80	12.99	13.16	12.69	14.13	13.16	12.74	12.88	12.78	12.55	12.18	11.87
27	12.93	12.95	13.14	12.68	14.08	13.15	12.72	12.86	12.78	12.53	12.13	11.86
28	13.13	12.91	13.11	12.68	13.99	13.11	12.70	12.84	12.75	12.52	12.12	11.83
29	13.28	12.88	13.08	12.72	---	13.06	12.68	12.82	12.75	12.53	12.14	11.80
30	13.33	12.89	13.05	12.76	---	13.03	12.67	12.79	12.77	12.51	12.13	11.77
31	13.32	---	13.20	12.74	---	12.97	---	12.77	---	12.49	12.13	---
MAX	13.33	14.11	13.20	13.26	14.32	13.88	12.94	13.01	---	12.85	---	12.12
MIN	12.59	12.88	12.84	12.68	12.71	12.97	12.63	12.49	---	12.49	---	11.77

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

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to April 17, 1990.

DISSOLVED SOLIDS: October 1978 to April 17, 1990.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURE: 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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unflab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)
NOV 12...	1030	378,000	57	10.0	7.2	362	15.0	140	34.8	11.7	3.23	20.7	96
JAN 14...	1130	637,000	78	7.5	--x	285	6.3	--	--	--	2.15	13.6	83
JAN 28...	1000	291,000	53	9.3	--x	345	5.5	130	35.5	10.4	2.49	17.7	91
FEB 12...	1100	274,000	65	9.2	8.1	360	6.0	150	39.8	11.9	2.61	17.3	119
FEB 24...	1100	725,000	190	11.1	7.4	302	7.4	110	28.4	8.32	2.56	16.7	76
MAR 10...	1015	979,000	88	11.9	7.3	255	7.3	90	25.3	6.43	2.10	11.9	63
MAR 24...	1200	689,000	--	10.9	7.5	289	11.6	110	30.4	8.49	2.32	15.4	77
APR 15...	1100	437,000	80	9.2	7.8	366	15.5	130	35.1	11.0	2.93	20.7	92
APR 29...	1000	470,000	52	8.7	7.8	364	18.4	120	31.7	9.12	2.35	17.2	83
MAY 12...	1230	536,000	80	7.2	7.3	362	22.3	130	33.7	10.8	3.15	19.1	95
MAY 27...	1100	871,000	60	6.4	7.5	303	22.0	110	30.6	8.33	2.97	12.0	87
JUN 16...	1000	604,000	41	7.1	7.6	354	23.5	140	35.4	11.3	3.03	13.8	106
JUL 14...	1000	371,000	38	7.0	7.9	371	28.7	150	38.0	12.3	2.93	15.2	110
AUG 12...	0915	364,000	34	6.6	8.0	397	28.9	--	--	--	--	--	116
SEP 23...	1030	294,000	57	10.5	7.6	351	25.4	130	35.6	11.0	3.67	17.7	88

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)
NOV 12...	20.2	0.17	7.02	45.4	206	210	0.30	0.56	<0.04	1.05	0.014	0.076	0.087
JAN 14...	21.8	<0.17	4.93	36.3	--	191	0.26	0.64	<0.04	1.17	0.008	0.046	0.056
28...	20.2	0.13	6.37	34.0	186	198	0.25	0.55	E.03	1.16	E.006	0.038	0.042
FEB 12...	18.9	0.15	6.41	35.1	209	220	0.25	0.62	E.03	1.11	E.006	0.026	0.030
24...	20.4	0.14	4.53	31.8	163	179	0.26	0.89	E.04	0.85	<0.008	0.030	0.038
MAR 10...	17.6	0.11	5.03	27.6	138	154	0.19	0.56	E.03	0.90	0.009	0.027	0.035
24...	21.8	0.12	4.94	32.9	168	178	0.25	0.58	E.02	1.06	0.013	0.031	0.037
APR 15...	28.9	0.13	4.49	40.4	205	219	0.27	0.56	<0.04	1.29	0.035	0.040	0.049
29...	24.1	<0.17	3.73	45.0	188	212	0.17	0.48	<0.04	1.04	<0.008	0.043	0.049
MAY 12...	24.0	<0.17	4.14	37.8	195	218	0.26	0.62	<0.04	1.14	<0.008	0.060	0.069
27...	--	--	5.32	--	--	--	0.30	0.65	<0.04	1.35	<0.008	0.063	0.069
JUN 16...	17.9	<0.2	5.86	34.0	192	206	0.25	0.62	<0.04	1.44	<0.008	0.070	0.083
JUL 14...	16.6	0.2	5.13	38.0	201	209	0.23	0.71	<0.04	1.30	<0.008	0.066	0.074
AUG 12...	19.8	0.2	4.35	41.3	--	235	0.24	0.54	<0.04	1.64	<0.008	0.088	0.100
SEP 23...	22.2	0.2	6.88	38.2	192	203	0.25	0.50	<0.04	0.77	<0.008	0.073	0.083

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep- tococci KF MF, col/ 100 mL (31673)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
NOV 12...	0.21	2.4	<0.1	2.3	4.6	2.0	255	98	--	--	--	1.4	--
JAN 14...	0.22	3.8	<0.1	3.8	3.4	1.1	133	100	E2.9	--	--	0.6	--
28...	0.173	2.1	<0.1	2.1	3.1	0.9	--	53	4.8	--	--	0.7	--
FEB 12...	0.20	2.3	<0.1	2.2	3.1	0.9	127	140	14.9	--	--	0.7	--
24...	0.43	5.8	0.4	5.4	3.0	1.5	427	152	7.5	--	--	0.8	--
MAR 10...	0.24	2.5	<0.1	2.5	3.0	2.3	108	--	3.2	7	<0.30	0.7	37
24...	0.184	2.8	<0.1	2.8	3.0	1.0	123	7k	E4.8	--	--	0.6	--
APR 15...	0.24	2.5	<0.1	2.5	3.3	0.3	200	55	7.5	--	--	0.9	--
29...	0.174	2.4	<0.1	2.4	2.8	--	225	52	12.1	--	--	0.8	--
MAY 12...	0.30	2.8	<0.1	2.7	3.4	--	94	67k	4.9	--	--	1.0	--
27...	0.21	2.1	<0.1	2.1	3.5	--	158	77	2.8	4	E.19	1.2	52
JUN 16...	0.20	3.2	<0.1	3.2	3.4	--	166	38k	8.9	--	--	1.4	--
JUL 14...	0.169	2.1	<0.1	2.1	3.3	2.1	39k	21k	10.4	5	E.20n	1.6	53
AUG 12...	0.193	2.0	<0.1	2.0	3.3	1.1	--	176	9.7	8	<0.30	1.4	42
SEP 23...	0.196	2.3	<0.1	2.3	3.5	1.2	42k	47k	5.1	--	--	1.6c	--

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)
NOV 12...	--	50	--	--	--	--	13	--	6.6	--	--	--	0.5
JAN 14...	--	26	--	--	--	--	15	--	2.6	--	--	--	E.3
28...	--	34	--	--	--	--	E6	--	3.9	--	--	--	E.4
FEB 12...	--	40	--	--	--	--	E8	--	5.4	--	--	--	<0.5
24...	--	36	--	--	--	--	15	--	3.5	--	--	--	E.4
MAR 10...	<0.06	24	E.02	<0.8	0.14	1.3	23	E.08	2.4	9.4	0.7	2.56	E.4
24...	--	23	--	--	--	--	E7	--	2.8	--	--	--	<0.5
APR 15...	--	36	--	--	--	--	<10	--	4.5	--	--	--	E.4
29...	--	36	--	--	--	--	<10	--	4.3	--	--	--	E.4
MAY 12...	--	36	--	--	--	--	<10	--	4.7	--	--	--	0.6
27...	<0.06	31	<0.04	<0.8	0.12	1.8	E4	E.04	3.2	1.6	1.2	2.34	E.4
JUN 16...	--	35	--	--	--	--	<8	--	4.5	--	--	--	0.6
JUL 14...	<0.06	42	E.02n	<0.8	0.15	1.6	<8	<0.08	6.9	0.5	1.8	2.34	0.7
AUG 12...	<0.06	35	E.03n	<0.8	0.19	1.6	E5n	<0.08	3.9	2.2	1.9	1.83	0.6
SEP 23...	--	46	--	--	--	--	<8	--	4.4	--	--	--	E.5n

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)
NOV 12...	--	161	1.3	--	<0.006	E.029	0.010	<0.004	<0.005	0.111	<0.050	<0.010	<0.002
JAN 14...	--	118	0.9	--	<0.006	E.027	0.007	<0.004	<0.005	0.076	<0.050	<0.010	<0.002
28...	--	140	0.6	--	<0.006	E.023	0.011	<0.007	<0.005	0.057	<0.050	<0.010	<0.002
FEB 12...	--	168	1.2	--	<0.006	E.023	<0.006	<0.004	<0.005	0.055	<0.050	<0.010	<0.002
24...	--	138	1.5	--	<0.006	E.015	<0.006	<0.004	<0.005	0.055	<0.050	<0.010	<0.002
MAR 10...	M	104	0.7	1	<0.006	E.014	<0.006	<0.004	<0.005	0.045	<0.050	<0.010	<0.002
24...	--	134	0.7	--	<0.006	E.024	<0.006	<0.004	<0.005	0.074	<0.050	<0.010	<0.002
APR 15...	--	155	1.2	--	<0.006	E.043	0.011	0.012	<0.005	1.53	<0.050	<0.010	<0.002
29...	--	155	1.5	--	<0.006	E.032	0.029	0.007	<0.005	0.729	<0.050	<0.010	<0.002
MAY 12...	--	143	1.2	--	<0.006	E.096	0.118	0.018	<0.005	2.76	<0.050	<0.010	<0.002
27...	<0.20	139	2.0	M	<0.006	E.170	0.286	0.021	<0.005	2.19	<0.050	<0.010	<0.002
JUN 16...	--	148	1.6	--	<0.006	E.095	0.120	0.009	<0.005	1.25	<0.050	<0.010	<0.002
JUL 14...	<0.20	176	2.5	Mn	<0.006	E.096	0.066	0.013	<0.005	1.01	<0.050	<0.010	<0.002
AUG 12...	<0.20	137	1.6	2	<0.006	E.065	0.025	<0.004	<0.005	0.349	<0.050	<0.010	<0.002
SEP 23...	--	178	1.9	--	<0.006	E.041	0.012	<0.004	<0.005	0.164	<0.050	<0.010	<0.002

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipronil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)
NOV 12...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	0.007	E.003n	<0.005	<0.02	<0.002	<0.009	<0.005
JAN 14...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
28...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.005	<0.005	<0.02	<0.002	<0.009	<0.005
FEB 12...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
24...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
MAR 10...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
24...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
APR 15...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
29...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
MAY 12...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	E.004n	<0.005	<0.02	<0.002	<0.009	<0.005
27...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.006	<0.005	<0.02	<0.002	<0.009	<0.005
JUN 16...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
JUL 14...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
AUG 12...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
SEP 23...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Desulf- inyl- fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)
NOV 12...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.010n	<0.006	0.032	<0.006	<0.002	<0.007
JAN 14...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.033	E.006n	<0.002	<0.007
28...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.025	<0.006	<0.004	<0.007
FEB 12...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.019	0.008	<0.002	<0.007
24...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.022	<0.006	<0.002	<0.007
MAR 10...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.021	<0.006	<0.002	<0.007
24...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.026	<0.006	<0.002	<0.007
APR 15...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.330	0.010	<0.002	<0.007
29...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.129	<0.006	<0.002	<0.007
MAY 12...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.395	0.007	<0.002	<0.007
27...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.445	0.011	<0.002	<0.007
JUN 16...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.015n	<0.006	0.270	<0.006	<0.004	<0.007
JUL 14...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.198	<0.006	<0.002	<0.007
AUG 12...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.112	<0.006	<0.002	<0.007
SEP 23...	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.011t	<0.006	0.046	<0.006	<0.002	<0.007

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd, 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd, 0.7u GF ug/L (82683)	Phorate water, fltrd, 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd, 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd, 0.7u GF ug/L (82679)	Propar-gite, water, fltrd, 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water, fltrd, 0.7u GF ug/L (82670)	Terba-cil, water, fltrd, 0.7u GF ug/L (82665)
NOV 12...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.040	E.01n	<0.034
JAN 14...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.282	<0.02	<0.034
28...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.089	E.01n	<0.034
FEB 12...	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.041	<0.02	<0.034
24...	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.059	<0.02	<0.034
MAR 10...	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.077	<0.02	<0.034
24...	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.048	<0.02	<0.034
APR 15...	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.090	<0.02	<0.034
29...	<0.003	<0.010	<0.004	<0.022	<0.011	Mn	<0.004	<0.010	<0.011	<0.02	0.062	<0.02	<0.034
MAY 12...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.321	E.01n	<0.034
27...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.187	<0.02	<0.034
JUN 16...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.095	E.01n	<0.034
JUL 14...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.044	<0.02	<0.034
AUG 12...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.025	<0.02	<0.034
SEP 23...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.016	<0.02	<0.034

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Terbu-fos, water, fltrd, 0.7u GF ug/L (82675)	Thio-bencarb, water, fltrd, 0.7u GF ug/L (82681)	Tri-allate, water, fltrd, 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd, 0.7u GF ug/L (82661)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
NOV 12...	<0.02	<0.005	<0.002	<0.009	--	72	164	167,000
JAN 14...	<0.02	<0.005	<0.002	<0.009	--	--	--	--
28...	<0.02	<0.005	<0.002	<0.009	--	84	74	58,100
FEB 12...	<0.02	<0.005	<0.002	<0.009	--	83	159	118,000
24...	<0.02	<0.005	<0.002	<0.009	--	78	562	1,100,000
MAR 10...	<0.02	<0.005	<0.002	<0.009	0.33	60	197	521,000
24...	<0.02	<0.005	<0.002	<0.009	--	54	169	314,000
APR 15...	<0.02	<0.005	<0.002	<0.009	--	85	205	242,000
29...	<0.02	<0.005	<0.002	<0.009	--	71	133	169,000
MAY 12...	<0.02	<0.005	<0.002	<0.009	--	60	236	342,000
27...	<0.02	<0.005	<0.002	<0.009	0.49	64	141	332,000
JUN 16...	<0.02	<0.005	<0.002	<0.009	--	--	--	--
JUL 14...	<0.02	<0.005	<0.002	<0.009	1.25	87	87	87,100
AUG 12...	<0.02	<0.005	<0.002	<0.009	0.87	69	77	75,700
SEP 23...	<0.02	<0.005	<0.002	<0.009	--	91	100	79,400

Remark codes used in this table:

< -- Less than

E -- Estimated value

M-- Presence verified, not quantified

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the NDV

t -- Below the long-term MDL

Null value qualifier codes used in this table:

x -- Result failed quality assurance review

073745253 REGGIO CANAL NEAR WILLS POINT, LA

LOCATION.--Lat 29°47'03", long 89°56'15", T. 14 S., R. 14. E., Plaquemines Parish, Hydrologic Unit 08090203, on a four-pile platform 6 miles southwest of Caernarvon.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.77 ft, Sept. 26, 2002; minimum gage height, -1.17 ft, Dec. 20, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.44 ft, Oct. 4; minimum gage height, -0.48 ft, June 1.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.16	1.97	2.04	1.52	1.37	1.45	0.53	0.25	0.34	---	---	---
2	2.30	1.93	2.04	1.57	1.40	1.50	0.65	0.38	0.52	---	---	---
3	4.37	2.30	3.33	1.54	1.41	1.48	---	---	---	---	---	---
4	4.44	3.75	4.16	1.50	1.29	1.41	---	---	---	---	---	---
5	3.75	3.04	3.36	1.67	1.38	1.54	---	---	---	---	---	---
6	3.04	2.48	2.75	1.38	0.72	1.05	---	---	---	---	---	---
7	2.48	1.99	2.22	1.09	0.68	0.87	---	---	---	---	---	---
8	1.99	1.73	1.85	0.93	0.58	0.77	---	---	---	---	---	---
9	1.87	1.73	1.79	1.04	0.58	0.87	---	---	---	---	---	---
10	1.97	1.74	1.85	1.10	0.81	0.98	---	---	---	---	---	---
11	1.81	1.58	1.73	1.20	0.87	1.05	---	---	---	---	---	---
12	1.65	1.46	1.58	1.10	0.77	0.94	---	---	---	---	---	---
13	1.51	1.36	1.44	0.77	0.50	0.60	---	---	---	---	---	---
14	1.60	1.27	1.44	0.64	0.48	0.58	---	---	---	---	---	---
15	1.54	1.34	1.47	0.94	0.56	0.74	---	---	---	---	---	---
16	1.36	1.20	1.29	0.70	0.12	0.47	---	---	---	---	---	---
17	1.35	1.20	1.27	0.12	-0.29	-0.13	---	---	---	0.98	0.86	0.92
18	1.36	1.09	1.21	0.01	-0.19	-0.09	---	---	---	1.01	0.86	0.93
19	1.36	1.21	1.30	0.15	-0.14	0.01	---	---	---	0.90	0.76	0.84
20	1.24	1.10	1.19	0.48	-0.01	0.23	---	---	---	0.93	0.71	0.83
21	1.30	1.12	1.22	0.83	0.48	0.66	---	---	---	0.83	0.71	0.77
22	1.38	1.26	1.32	0.77	0.44	0.63	---	---	---	0.91	0.72	0.83
23	1.49	1.32	1.40	0.71	0.44	0.57	---	---	---	0.78	0.68	0.75
24	1.49	1.30	1.40	0.70	0.44	0.58	---	---	---	0.91	0.72	0.85
25	1.57	1.32	1.47	0.85	0.47	0.69	---	---	---	0.86	0.73	0.78
26	1.63	1.39	1.50	0.97	0.59	0.77	---	---	---	0.92	0.71	0.79
27	1.58	1.39	1.50	0.75	0.53	0.67	---	---	---	0.92	0.71	0.81
28	1.52	1.29	1.45	0.78	0.52	0.66	---	---	---	0.90	0.64	0.77
29	1.65	1.27	1.47	0.55	0.36	0.47	---	---	---	0.89	0.60	0.76
30	1.48	1.25	1.41	0.46	0.25	0.37	---	---	---	0.97	0.67	0.81
31	1.45	1.23	1.35	---	---	---	---	---	---	1.04	0.68	0.85
MONTH	4.44	1.09	1.77	1.67	-0.29	0.75	---	---	---	---	---	---

073745253 REGGIO CANAL NEAR WILLS POINT, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.81	0.57	0.69	1.96	1.84	1.90	1.53	0.78	1.13	1.26	1.11	1.18
2	0.79	0.44	0.66	1.88	1.79	1.85	0.78	0.59	0.67	1.23	1.03	1.09
3	0.85	0.50	0.68	1.91	1.82	1.86	1.01	0.66	0.83	1.03	0.80	0.89
4	0.72	0.45	0.62	1.96	1.75	1.89	1.04	0.83	0.93	1.00	0.69	0.83
5	1.04	0.50	0.83	1.75	1.46	1.57	1.45	0.88	1.06	1.14	0.87	0.97
6	1.23	1.01	1.11	1.47	1.18	1.29	1.46	1.28	1.38	1.25	1.02	1.11
7	1.01	0.72	0.82	1.52	1.25	1.38	1.51	1.36	1.42	1.27	1.15	1.21
8	0.94	0.69	0.76	1.47	1.32	1.38	1.78	1.41	1.62	1.27	1.09	1.18
9	1.07	0.79	0.89	1.32	1.06	1.16	1.73	1.10	1.47	1.28	1.14	1.21
10	1.05	0.53	0.79	1.08	0.86	0.98	1.10	0.37	0.75	1.27	1.15	1.21
11	0.58	0.29	0.44	1.12	0.85	0.96	0.37	0.07	0.21	1.21	0.76	0.99
12	0.64	0.40	0.51	1.27	0.97	1.13	0.31	0.03	0.17	0.78	0.61	0.68
13	0.52	0.28	0.36	1.29	1.11	1.20	0.36	0.14	0.27	0.87	0.60	0.71
14	0.65	0.44	0.55	1.21	0.91	1.08	---	---	---	0.87	0.74	0.80
15	0.97	0.56	0.79	1.08	0.83	0.96	---	---	---	0.75	0.57	0.66
16	1.06	0.51	0.86	1.27	1.01	1.17	---	---	---	0.78	0.45	0.62
17	0.51	-0.01	0.25	1.48	1.27	1.35	---	---	---	0.76	0.52	0.64
18	0.54	-0.01	0.35	1.78	1.34	1.62	---	---	---	0.73	0.34	0.49
19	0.95	0.54	0.81	1.96	1.78	1.87	---	---	---	0.58	0.18	0.35
20	1.24	0.90	1.02	2.01	1.95	1.97	---	---	---	0.82	0.49	0.61
21	1.75	1.24	1.52	2.00	1.95	1.98	---	---	---	1.02	0.70	0.82
22	1.75	1.61	1.66	1.99	1.93	1.96	0.97	0.75	0.85	1.02	0.68	0.82
23	1.75	1.64	1.68	1.98	1.94	1.96	1.05	0.85	0.93	0.94	0.79	0.85
24	1.77	1.67	1.72	1.97	1.89	1.94	1.23	1.05	1.17	0.99	0.80	0.89
25	1.73	1.63	1.67	1.92	1.86	1.90	1.23	0.83	1.02	0.99	0.63	0.78
26	1.84	1.73	1.78	---	---	---	0.84	0.68	0.76	0.63	0.51	0.57
27	1.84	1.77	1.80	---	---	---	1.09	0.83	0.98	0.72	0.41	0.57
28	1.92	1.79	1.86	---	---	---	1.04	0.93	1.00	0.84	0.60	0.72
29	---	---	---	2.05	1.96	2.02	1.12	0.98	1.04	0.77	0.42	0.54
30	---	---	---	1.96	1.74	1.84	1.25	1.05	1.15	0.42	0.05	0.19
31	---	---	---	1.75	1.53	1.68	---	---	---	0.17	-0.17	-0.06
MONTH	1.92	-0.01	0.98	---	---	---	---	---	---	1.28	-0.17	0.78
	JUNE			JULY			AUGUST			SEPTEMBER		
1	-0.06	-0.48	-0.28	2.68	2.46	2.61	0.65	0.34	0.49	2.14	2.07	2.11
2	0.31	-0.25	-0.08	2.46	2.13	2.29	0.72	0.33	0.53	2.07	1.93	2.01
3	0.56	0.19	0.35	2.13	1.83	1.98	0.73	0.48	0.57	1.93	1.82	1.87
4	0.83	0.33	0.53	1.83	1.57	1.67	0.66	0.36	0.47	1.82	1.71	1.75
5	1.10	0.79	0.91	1.70	1.41	1.57	0.56	0.33	0.44	1.71	1.61	1.66
6	1.35	1.10	1.23	1.69	1.46	1.56	0.45	0.22	0.34	1.72	1.57	1.65
7	1.29	1.11	1.18	1.49	1.39	1.45	0.27	0.02	0.14	1.72	1.57	1.64
8	1.14	0.92	0.99	1.50	1.37	1.43	0.44	-0.11	0.16	1.77	1.61	1.69
9	0.92	0.72	0.81	1.40	1.27	1.33	0.68	0.26	0.46	1.76	1.59	1.65
10	0.72	0.60	0.65	1.27	1.06	1.16	0.75	0.42	0.57	1.66	1.50	1.57
11	0.65	0.51	0.58	1.06	0.84	0.96	0.81	0.52	0.66	1.64	1.53	1.58
12	0.75	0.44	0.57	1.12	0.84	0.97	0.96	0.63	0.77	1.84	1.61	1.73
13	0.92	0.66	0.78	1.19	0.88	1.04	1.04	0.79	0.92	1.84	1.70	1.78
14	0.95	0.70	0.81	1.43	1.14	1.25	1.13	0.86	0.99	1.71	1.46	1.57
15	0.95	0.75	0.86	1.55	1.38	1.45	1.43	1.05	1.22	1.60	1.46	1.53
16	1.04	0.76	0.87	1.55	1.36	1.44	1.47	1.36	1.42	1.62	1.41	1.53
17	1.10	0.86	0.94	1.43	1.15	1.26	1.38	1.24	1.31	1.60	1.43	1.53
18	1.12	0.94	1.04	1.17	0.94	1.02	1.24	1.04	1.16	1.58	1.40	1.49
19	1.12	0.96	1.04	1.00	0.58	0.77	1.09	0.90	1.02	1.58	1.39	1.47
20	1.06	0.90	0.96	0.63	0.50	0.55	0.93	0.73	0.86	1.53	1.36	1.42
21	0.93	0.79	0.85	0.51	0.14	0.35	1.06	0.70	0.90	1.73	1.37	1.57
22	0.93	0.76	0.83	0.14	-0.08	0.04	1.29	0.96	1.14	1.69	1.57	1.63
23	0.88	0.76	0.82	0.02	-0.24	-0.12	1.40	1.18	1.29	1.73	1.53	1.62
24	1.05	0.74	0.88	0.34	-0.23	0.04	1.49	1.28	1.38	1.80	1.62	1.70
25	1.34	0.90	1.11	0.68	0.14	0.45	1.56	1.38	1.47	1.89	1.70	1.77
26	1.50	1.26	1.36	0.89	0.53	0.71	1.55	1.40	1.46	2.05	1.89	1.97
27	1.47	1.31	1.39	0.97	0.67	0.81	1.46	1.29	1.38	2.08	1.97	2.03
28	1.56	1.31	1.44	0.98	0.72	0.86	1.45	1.30	1.37	1.97	1.76	1.88
29	1.72	1.49	1.59	0.94	0.64	0.77	1.59	1.36	1.45	1.88	1.72	1.80
30	2.61	1.72	2.11	0.82	0.58	0.71	1.83	1.59	1.72	2.01	1.78	1.90
31	---	---	---	0.79	0.51	0.63	2.09	1.83	1.98	---	---	---
MONTH	2.61	-0.48	0.90	2.68	-0.24	1.06	2.09	-0.11	0.97	2.14	1.36	1.70

073745253 REGGIO CANAL NEAR WILLS POINT, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1999 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: January 1999 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for July 8-15 when records good; Oct. 1-8 when records fair.

SALINITY: Records excellent except for July 8-15 when records good; Oct. 1-8 when records fair.

WATER TEMPERATURE: Records good except for Oct. 1-8 when records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 12,800 microsiemens/cm, Feb. 26, 2000; minimum, 256 microsiemens/cm, July 1, 2003.

SALINITY: Maximum, 3.6 ppt, Sept. 27, 2003; minimum, 0.1 ppt, Mar. 18, Apr. 9, July 1, 2, 6, 2003.

WATER TEMPERATURE: Maximum, 34.8°C, Aug. 14, 1999; minimum, 2.2°C, Jan. 3, 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 6,590 microsiemens/cm, Sept. 27; minimum, 256 microsiemens/cm, July 1.

SALINITY: Maximum, 3.6 ppt, Sept. 27; minimum, 0.1 ppt, Mar. 18, Apr. 9, July 1, 2, 6.

WATER TEMPERATURE: Maximum, 33.3°C, Aug. 5; minimum, 3.3°C, Jan. 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5,030	4,390	4,820	2,050	1,760	1,870	2,420	2,320	2,370	---	---	---
2	4,390	2,340	3,390	2,190	1,880	2,070	2,320	2,270	2,300	---	---	---
3	4,330	3,410	3,960	2,370	2,190	2,310	---	---	---	---	---	---
4	4,280	3,780	4,120	2,410	2,360	2,390	---	---	---	---	---	---
5	3,990	3,160	3,690	2,400	2,350	2,380	---	---	---	---	---	---
6	3,160	2,620	2,780	2,480	2,400	2,440	---	---	---	---	---	---
7	2,790	2,470	2,540	2,510	2,190	2,410	---	---	---	---	---	---
8	2,520	2,170	2,380	2,540	2,300	2,450	---	---	---	---	---	---
9	2,550	2,230	2,380	2,570	2,360	2,480	---	---	---	---	---	---
10	2,550	2,450	2,510	2,650	2,240	2,520	---	---	---	---	---	---
11	2,500	2,170	2,390	2,660	2,500	2,570	---	---	---	---	---	---
12	2,270	1,940	2,110	2,690	2,310	2,530	---	---	---	---	---	---
13	2,200	1,950	2,080	2,650	2,530	2,590	---	---	---	---	---	---
14	2,120	1,830	1,930	2,690	2,310	2,570	---	---	---	---	---	---
15	2,000	1,860	1,910	2,660	2,530	2,620	---	---	---	---	---	---
16	1,870	1,640	1,730	2,650	2,590	2,630	---	---	---	---	---	---
17	1,850	1,560	1,700	2,590	2,530	2,570	---	---	---	---	---	---
18	1,860	1,550	1,660	2,560	2,430	2,500	---	---	---	---	---	---
19	1,960	1,730	1,860	2,560	2,380	2,490	---	---	---	---	---	---
20	2,030	1,920	1,970	2,530	2,460	2,500	---	---	---	---	---	---
21	2,060	2,020	2,040	2,520	2,280	2,470	---	---	---	---	---	---
22	2,120	1,980	2,060	2,540	2,480	2,500	---	---	---	---	---	---
23	2,260	2,100	2,180	2,540	2,500	2,520	---	---	---	---	---	---
24	2,340	2,230	2,280	2,540	2,510	2,530	---	---	---	---	---	---
25	2,730	2,260	2,470	2,540	2,520	2,530	---	---	---	---	---	---
26	2,710	2,650	2,680	2,530	2,500	2,520	---	---	---	---	---	---
27	2,650	2,600	2,630	2,500	2,460	2,480	---	---	---	---	---	---
28	2,600	2,560	2,580	2,470	2,440	2,460	---	---	---	---	---	---
29	2,590	2,500	2,560	2,450	2,440	2,440	---	---	---	---	---	---
30	2,500	2,340	2,410	2,460	2,420	2,440	---	---	---	---	---	---
31	2,400	1,870	2,180	---	---	---	---	---	---	---	---	---
MONTH	5,030	1,550	2,520	2,690	1,760	2,460	---	---	---	---	---	---

073745253 REGGIO CANAL NEAR WILLS POINT, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	444	429	435	519	508	513	381	361	369	1,110	975	1,040
2	451	432	441	521	503	513	414	379	394	1,170	849	986
3	451	441	445	521	507	516	469	396	424	876	785	825
4	461	436	447	562	503	511	471	422	443	855	789	818
5	465	440	450	697	559	608	498	437	458	1,010	851	884
6	453	442	445	668	595	619	774	498	690	1,180	963	1,070
7	472	441	453	602	539	566	673	538	625	1,290	1,170	1,240
8	493	471	485	591	533	549	538	357	477	1,340	784	1,000
9	505	478	491	641	591	626	382	294	324	1,360	838	1,040
10	538	486	502	822	604	690	365	343	354	1,380	818	1,030
11	614	538	574	743	682	707	381	351	364	895	816	843
12	671	614	639	1,150	657	795	394	359	372	905	802	825
13	720	671	694	1,150	619	846	412	376	391	925	837	863
14	731	681	706	677	585	627	---	---	---	951	917	930
15	720	663	686	604	458	540	---	---	---	938	847	882
16	669	626	654	580	478	559	---	---	---	920	846	867
17	1,140	626	768	749	358	577	---	---	---	933	813	867
18	841	481	689	427	289	332	---	---	---	933	782	825
19	481	452	465	326	310	318	---	---	---	853	798	819
20	525	462	483	335	308	315	---	---	---	917	838	852
21	693	501	579	308	303	305	---	---	---	1,720	917	1,260
22	632	469	532	310	304	307	618	517	568	1,800	982	1,340
23	508	464	488	315	310	312	715	571	634	1,610	1,070	1,380
24	508	457	477	320	315	317	917	706	821	1,660	1,400	1,510
25	497	479	489	322	320	321	934	628	833	1,640	1,180	1,430
26	506	490	497	---	---	---	676	620	647	1,180	1,030	1,100
27	502	467	494	---	---	---	878	676	723	1,220	976	1,050
28	509	493	503	---	---	---	898	757	849	1,600	1,170	1,290
29	---	---	---	347	335	339	936	864	903	1,600	1,080	1,250
30	---	---	---	367	346	355	995	927	959	1,110	967	1,020
31	---	---	---	386	361	370	---	---	---	1,010	925	949
MONTH	1,140	429	536	---	---	---	---	---	---	1,800	782	1,040
JUNE			JULY			AUGUST			SEPTEMBER			
1	946	871	906	1,120	256	613	647	578	612	5,760	5,180	5,490
2	1,050	924	971	338	274	302	649	578	617	5,180	2,920	3,370
3	1,150	993	1,060	369	311	341	602	466	553	2,920	2,760	2,840
4	1,080	725	862	384	355	374	518	472	498	2,810	2,550	2,640
5	950	765	860	387	321	369	517	448	492	2,610	2,520	2,560
6	1,060	803	961	321	285	297	532	448	490	2,700	2,540	2,610
7	1,040	581	746	318	299	307	500	469	488	2,740	2,690	2,710
8	698	642	684	331	318	324	606	475	527	2,930	2,740	2,810
9	810	697	724	348	324	339	898	586	672	3,230	2,860	3,030
10	717	607	668	363	347	355	1,060	744	884	2,860	2,520	2,760
11	729	540	591	371	358	364	1,140	888	1,020	2,540	2,440	2,500
12	597	560	569	394	371	384	1,140	958	1,050	5,320	2,450	3,420
13	655	470	511	423	388	407	1,190	1,090	1,120	6,100	5,320	5,820
14	559	425	469	543	397	418	1,200	1,060	1,120	5,490	2,950	3,550
15	483	351	399	840	543	720	1,410	1,130	1,250	3,060	2,760	2,890
16	555	340	431	882	591	745	2,000	1,400	1,790	3,430	2,740	2,870
17	732	433	600	814	512	620	1,920	583	924	3,650	3,270	3,480
18	697	356	562	598	490	539	859	615	672	3,610	3,260	3,430
19	554	346	422	561	463	499	793	619	696	3,570	2,870	3,310
20	539	338	414	541	434	475	814	637	682	2,870	1,450	1,990
21	447	401	427	519	410	452	851	704	770	1,690	1,080	1,260
22	444	384	426	457	422	434	1,060	776	830	1,690	755	995
23	434	377	401	492	427	455	1,290	1,040	1,140	1,120	750	875
24	418	372	391	533	441	475	1,800	1,270	1,520	1,180	586	809
25	454	353	371	655	521	558	2,510	1,490	1,900	2,070	480	807
26	556	375	449	925	639	724	2,180	1,670	2,010	6,330	2,070	5,520
27	526	375	436	1,050	765	905	2,160	1,190	1,640	6,590	837	3,600
28	659	382	485	1,080	840	946	1,820	1,130	1,420	852	745	793
29	791	448	623	1,150	597	816	1,880	1,290	1,590	852	430	604
30	1,050	513	821	830	532	624	3,420	1,880	2,970	2,460	424	630
31	---	---	---	693	564	608	5,690	3,420	4,520	---	---	---
MONTH	1,150	338	608	1,150	256	509	5,690	448	1,180	6,590	424	2,670

073745253 REGGIO CANAL NEAR WILLS POINT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	2.7	2.3	2.6	1.0	0.9	0.9	1.2	1.2	1.2	---	---	---
2	2.3	1.2	1.8	1.1	1.0	1.1	1.2	1.2	1.2	---	---	---
3	2.3	1.8	2.1	1.2	1.1	1.2	---	---	---	---	---	---
4	2.3	2.0	2.2	1.2	1.2	1.2	---	---	---	---	---	---
5	2.1	1.6	1.9	1.2	1.2	1.2	---	---	---	---	---	---
6	1.6	1.3	1.4	1.3	1.2	1.3	---	---	---	---	---	---
7	1.4	1.3	1.3	1.3	1.1	1.2	---	---	---	---	---	---
8	1.3	1.1	1.2	1.3	1.2	1.3	---	---	---	---	---	---
9	1.3	1.1	1.2	1.3	1.2	1.3	---	---	---	---	---	---
10	1.3	1.3	1.3	1.4	1.1	1.3	---	---	---	---	---	---
11	1.3	1.1	1.2	1.4	1.3	1.3	---	---	---	---	---	---
12	1.2	1.0	1.1	1.4	1.2	1.3	---	---	---	---	---	---
13	1.1	1.0	1.1	1.4	1.3	1.3	---	---	---	---	---	---
14	1.1	0.9	1.0	1.4	1.2	1.3	---	---	---	---	---	---
15	1.0	0.9	1.0	1.4	1.3	1.3	---	---	---	---	---	---
16	0.9	0.8	0.9	1.4	1.3	1.4	---	---	---	---	---	---
17	0.9	0.8	0.9	1.3	1.3	1.3	---	---	---	---	---	---
18	0.9	0.8	0.8	1.3	1.2	1.3	---	---	---	---	---	---
19	1.0	0.9	0.9	1.3	1.2	1.3	---	---	---	---	---	---
20	1.0	1.0	1.0	1.3	1.3	1.3	---	---	---	---	---	---
21	1.0	1.0	1.0	1.3	1.2	1.3	---	---	---	---	---	---
22	1.1	1.0	1.0	1.3	1.3	1.3	---	---	---	---	---	---
23	1.2	1.1	1.1	1.3	1.3	1.3	---	---	---	---	---	---
24	1.2	1.1	1.2	1.3	1.3	1.3	---	---	---	---	---	---
25	1.4	1.2	1.3	1.3	1.3	1.3	---	---	---	---	---	---
26	1.4	1.4	1.4	1.3	1.3	1.3	---	---	---	---	---	---
27	1.4	1.3	1.4	1.3	1.3	1.3	---	---	---	---	---	---
28	1.3	1.3	1.3	1.3	1.3	1.3	---	---	---	---	---	---
29	1.3	1.3	1.3	1.3	1.3	1.3	---	---	---	---	---	---
30	1.3	1.2	1.2	1.3	1.2	1.3	---	---	---	---	---	---
31	1.2	0.9	1.1	---	---	---	---	---	---	---	---	---
MONTH	2.7	0.8	1.3	1.4	0.9	1.3	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.5	0.5	0.5
2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.6	0.4	0.5
3	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.4	0.4	0.4
4	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.4	0.4	0.4
5	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.5	0.4	0.4
6	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.3	0.6	0.5	0.5
7	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
8	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.7	0.4	0.5
9	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.2	0.7	0.4	0.5
10	0.3	0.2	0.2	0.4	0.3	0.3	0.2	0.2	0.2	0.7	0.4	0.5
11	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
12	0.3	0.3	0.3	0.6	0.3	0.4	0.2	0.2	0.2	0.4	0.4	0.4
13	0.4	0.3	0.3	0.6	0.3	0.4	0.2	0.2	0.2	0.5	0.4	0.4
14	0.4	0.3	0.3	0.3	0.3	0.3	---	---	---	0.5	0.5	0.5
15	0.4	0.3	0.3	0.3	0.2	0.3	---	---	---	0.5	0.4	0.4
16	0.3	0.3	0.3	0.3	0.2	0.3	---	---	---	0.5	0.4	0.4
17	0.6	0.3	0.4	0.4	0.2	0.3	---	---	---	0.5	0.4	0.4
18	0.4	0.2	0.3	0.2	0.1	0.2	---	---	---	0.5	0.4	0.4
19	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.4	0.4	0.4
20	0.3	0.2	0.2	0.2	0.2	0.2	---	---	---	0.5	0.4	0.4
21	0.3	0.2	0.3	0.2	0.2	0.2	---	---	---	0.9	0.5	0.6
22	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.9	0.5	0.7
23	0.3	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.8	0.5	0.7
24	0.3	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.4	0.8	0.7	0.8
25	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.4	0.8	0.6	0.7
26	0.2	0.2	0.2	---	---	---	0.3	0.3	0.3	0.6	0.5	0.5
27	0.2	0.2	0.2	---	---	---	0.4	0.3	0.4	0.6	0.5	0.5
28	0.3	0.2	0.2	---	---	---	0.4	0.4	0.4	0.8	0.6	0.6
29	---	---	---	0.2	0.2	0.2	0.5	0.4	0.4	0.8	0.5	0.6
30	---	---	---	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
31	---	---	---	0.2	0.2	0.2	---	---	---	0.5	0.5	0.5
MONTH	0.6	0.2	0.2	---	---	---	---	---	---	0.9	0.4	0.5

073745253 REGGIO CANAL NEAR WILLS POINT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.5	0.4	0.4	0.6	0.1	0.3	0.3	0.3	0.3	3.1	2.8	3.0
2	0.5	0.5	0.5	0.2	0.1	0.2	0.3	0.3	0.3	2.8	1.5	1.8
3	0.6	0.5	0.5	0.2	0.2	0.2	0.3	0.2	0.3	1.5	1.4	1.5
4	0.5	0.4	0.4	0.2	0.2	0.2	0.3	0.2	0.2	1.5	1.3	1.4
5	0.5	0.4	0.4	0.2	0.2	0.2	0.3	0.2	0.2	1.3	1.3	1.3
6	0.5	0.4	0.5	0.2	0.1	0.2	0.3	0.2	0.2	1.4	1.3	1.3
7	0.5	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	1.4	1.4	1.4
8	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.3	1.5	1.4	1.5
9	0.4	0.3	0.4	0.2	0.2	0.2	0.4	0.3	0.3	1.7	1.5	1.6
10	0.4	0.3	0.3	0.2	0.2	0.2	0.5	0.4	0.4	1.5	1.3	1.4
11	0.4	0.3	0.3	0.2	0.2	0.2	0.6	0.4	0.5	1.3	1.3	1.3
12	0.3	0.3	0.3	0.2	0.2	0.2	0.6	0.5	0.5	2.9	1.3	1.8
13	0.3	0.2	0.3	0.2	0.2	0.2	0.6	0.5	0.6	3.3	2.9	3.1
14	0.3	0.2	0.2	0.3	0.2	0.2	0.6	0.5	0.5	3.0	1.5	1.9
15	0.2	0.2	0.2	0.4	0.3	0.4	0.7	0.6	0.6	1.6	1.4	1.5
16	0.3	0.2	0.2	0.4	0.3	0.4	1.0	0.7	0.9	1.8	1.4	1.5
17	0.4	0.2	0.3	0.4	0.3	0.3	1.0	0.3	0.5	1.9	1.7	1.8
18	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.3	1.9	1.7	1.8
19	0.3	0.2	0.2	0.3	0.2	0.2	0.4	0.3	0.3	1.9	1.5	1.7
20	0.3	0.2	0.2	0.3	0.2	0.2	0.4	0.3	0.3	1.5	0.7	1.0
21	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.3	0.4	0.9	0.5	0.6
22	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.9	0.4	0.5
23	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.5	0.6	0.6	0.4	0.4
24	0.2	0.2	0.2	0.3	0.2	0.2	0.9	0.6	0.8	0.6	0.3	0.4
25	0.2	0.2	0.2	0.3	0.3	0.3	1.3	0.7	1.0	1.1	0.2	0.4
26	0.3	0.2	0.2	0.5	0.3	0.4	1.1	0.8	1.0	3.4	1.1	3.0
27	0.3	0.2	0.2	0.5	0.4	0.4	1.1	0.6	0.8	3.6	0.4	1.9
28	0.3	0.2	0.2	0.5	0.4	0.5	0.9	0.6	0.7	0.4	0.4	0.4
29	0.4	0.2	0.3	0.6	0.3	0.4	1.0	0.6	0.8	0.4	0.2	0.3
30	0.5	0.3	0.4	0.4	0.3	0.3	1.8	1.0	1.5	1.3	0.2	0.3
31	---	---	---	0.3	0.3	0.3	3.1	1.8	2.4	---	---	---
MONTH	0.6	0.2	0.3	0.6	0.1	0.3	3.1	0.2	0.6	3.6	0.2	1.4

073745253 REGGIO CANAL NEAR WILLS POINT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.7	27.1	27.3	23.2	22.1	22.5	14.5	12.8	13.8	---	---	---
2	27.8	27.6	27.7	22.1	20.4	21.3	13.3	12.2	12.7	---	---	---
3	27.9	27.0	27.3	20.6	20.0	20.3	---	---	---	---	---	---
4	27.5	27.1	27.2	21.3	20.6	20.8	---	---	---	---	---	---
5	28.5	27.5	27.8	21.5	21.2	21.3	---	---	---	---	---	---
6	28.5	27.9	28.1	21.5	20.2	20.8	---	---	---	---	---	---
7	28.5	28.0	28.2	20.2	19.2	19.5	---	---	---	---	---	---
8	28.7	27.8	28.3	19.7	18.9	19.2	---	---	---	---	---	---
9	27.8	27.4	27.5	19.9	19.4	19.6	---	---	---	---	---	---
10	27.6	27.1	27.3	21.3	19.9	20.5	---	---	---	---	---	---
11	27.1	26.8	27.0	22.0	21.3	21.8	---	---	---	---	---	---
12	27.0	26.7	26.9	21.9	21.1	21.6	---	---	---	---	---	---
13	26.8	26.1	26.6	21.1	18.9	19.5	---	---	---	---	---	---
14	26.1	24.1	25.0	18.9	17.9	18.3	---	---	---	---	---	---
15	24.1	23.3	23.6	19.2	18.5	18.7	---	---	---	---	---	---
16	23.6	22.4	22.9	19.2	16.8	18.4	---	---	---	---	---	---
17	22.8	21.8	22.1	16.8	14.6	15.3	---	---	---	9.3	6.3	7.4
18	22.7	21.9	22.2	15.8	14.9	15.3	---	---	---	7.8	5.7	6.8
19	23.2	22.4	22.7	16.3	15.8	15.9	---	---	---	8.9	6.6	7.5
20	23.8	23.2	23.4	16.9	16.3	16.6	---	---	---	10.9	7.8	9.0
21	24.1	23.8	23.9	17.5	16.8	17.1	---	---	---	11.7	10.2	10.8
22	24.2	23.9	24.0	17.6	16.6	17.2	---	---	---	11.8	10.0	11.0
23	24.3	24.0	24.2	16.6	15.0	15.7	---	---	---	10.0	6.2	7.2
24	24.3	24.1	24.2	15.4	15.1	15.2	---	---	---	6.2	3.3	4.6
25	24.3	24.0	24.1	16.7	15.4	16.1	---	---	---	7.2	5.1	5.9
26	24.2	24.0	24.1	17.6	16.7	17.2	---	---	---	7.3	6.9	7.1
27	24.4	24.1	24.2	17.7	16.0	17.2	---	---	---	8.8	6.4	7.4
28	24.8	24.4	24.5	16.0	13.5	14.7	---	---	---	9.6	8.1	8.7
29	25.0	24.7	24.9	13.5	12.7	13.0	---	---	---	11.7	9.2	10.1
30	24.7	24.0	24.3	14.4	13.2	13.9	---	---	---	11.7	10.6	11.1
31	24.3	23.2	23.8	---	---	---	---	---	---	10.9	9.4	10.0
MONTH	28.7	21.8	25.3	23.2	12.7	18.1	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	12.1	9.3	10.4	11.0	10.6	10.8	18.6	14.9	16.5	28.0	26.4	27.0
2	12.9	10.0	11.1	11.6	9.9	10.8	18.7	17.4	18.0	29.1	27.1	27.8
3	13.3	11.2	11.9	12.3	9.8	11.1	20.5	18.5	19.5	29.3	27.7	28.5
4	13.4	11.8	12.5	13.8	12.0	12.5	23.5	20.1	21.4	29.7	28.2	28.9
5	12.6	9.0	10.3	16.4	13.6	14.7	24.5	22.2	23.2	29.2	28.0	28.5
6	10.1	9.4	9.7	18.1	16.4	17.3	24.2	21.8	22.9	28.8	27.6	28.0
7	10.0	7.8	9.0	19.0	17.3	18.1	24.0	22.9	23.7	28.6	27.5	27.9
8	8.6	7.0	7.6	18.6	17.9	18.3	22.9	19.5	21.8	28.9	27.8	28.4
9	9.2	8.6	8.8	20.5	18.4	19.3	19.5	14.3	17.3	29.2	28.2	28.7
10	13.3	9.2	10.9	21.5	20.0	20.6	16.3	12.2	14.2	29.5	28.5	28.9
11	13.3	12.2	12.9	21.5	20.6	21.0	17.7	14.7	16.1	30.4	28.3	29.4
12	15.0	13.1	13.9	21.6	19.9	20.9	19.9	16.9	18.2	30.4	28.3	29.0
13	16.6	14.2	15.5	21.0	19.9	20.2	22.7	18.6	19.8	28.7	27.3	28.0
14	17.5	15.5	16.5	22.2	19.8	20.9	---	---	---	28.7	26.7	27.5
15	19.4	17.1	18.1	23.8	21.2	22.4	---	---	---	28.9	27.4	28.0
16	19.3	17.0	18.7	22.8	21.8	22.4	---	---	---	29.8	27.8	28.6
17	17.0	12.2	14.4	22.5	20.9	21.5	---	---	---	29.8	28.2	29.0
18	13.4	10.6	11.9	21.3	12.3	15.0	---	---	---	29.8	28.3	29.2
19	12.9	8.9	10.4	16.9	13.7	15.2	---	---	---	30.1	29.0	29.4
20	11.8	9.3	10.6	16.4	14.4	15.6	---	---	---	29.3	28.4	28.8
21	13.1	11.1	12.0	16.8	13.9	15.4	---	---	---	28.5	27.7	28.1
22	14.2	11.8	13.4	17.5	14.3	15.9	26.9	25.7	26.3	28.1	27.1	27.5
23	12.9	9.8	11.3	17.4	15.4	16.5	26.4	25.0	25.6	29.3	26.3	27.3
24	14.0	11.1	12.5	18.3	15.0	16.5	25.4	24.1	24.5	28.6	26.6	27.4
25	13.8	12.0	12.8	17.3	15.4	16.2	27.2	24.1	25.4	29.9	27.4	28.6
26	12.7	11.7	12.3	---	---	---	27.0	25.6	26.3	31.1	29.0	29.7
27	12.9	12.0	12.4	---	---	---	26.1	25.0	25.6	29.5	28.0	28.7
28	12.2	10.7	11.2	---	---	---	27.0	24.8	25.8	28.7	27.3	27.8
29	---	---	---	18.4	14.5	16.6	26.6	25.4	26.0	29.4	27.4	28.3
30	---	---	---	14.5	12.2	13.7	27.2	25.7	26.4	29.3	27.9	28.6
31	---	---	---	16.2	12.2	14.1	---	---	---	30.5	27.7	29.0
MONTH	19.4	7.0	12.2	---	---	---	---	---	---	31.1	26.3	28.4

073745253 REGGIO CANAL NEAR WILLS POINT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.9	28.6	29.6	26.0	24.5	25.4	31.4	29.7	30.7	29.6	28.0	28.7
2	31.0	29.4	30.1	27.5	25.9	26.6	31.3	29.4	30.4	30.5	28.9	29.4
3	30.0	28.7	29.2	27.8	26.9	27.4	29.4	27.1	28.1	31.2	29.7	30.1
4	28.9	28.1	28.4	28.1	27.3	27.7	30.9	27.2	28.7	31.1	30.3	30.6
5	28.7	27.7	28.3	27.6	25.4	26.7	33.3	29.4	30.5	30.6	29.6	29.9
6	28.4	27.9	28.1	27.9	24.5	25.8	30.9	29.9	30.4	29.6	28.6	29.0
7	28.6	26.9	27.8	27.9	26.1	26.6	30.7	29.5	30.0	29.3	28.5	28.8
8	31.0	28.4	29.5	27.6	26.2	26.9	31.1	29.7	30.2	29.1	28.6	28.8
9	32.2	30.2	31.2	28.4	26.9	27.5	32.2	29.9	30.8	29.0	28.6	28.8
10	32.4	31.0	31.7	30.8	28.2	29.6	32.5	31.0	31.6	29.0	28.2	28.6
11	31.6	29.8	30.5	31.6	30.3	30.9	32.1	31.2	31.8	29.3	28.5	28.8
12	30.2	29.1	29.6	31.0	30.0	30.5	31.7	29.8	30.6	29.1	28.3	28.6
13	30.4	28.4	29.2	30.8	30.1	30.5	29.8	28.1	29.1	29.4	27.9	28.5
14	31.2	28.8	30.0	30.4	28.6	29.6	30.0	27.9	28.6	30.0	28.6	29.3
15	31.5	29.6	30.6	30.0	27.8	28.7	30.8	28.6	29.5	29.9	28.8	29.3
16	31.0	29.6	30.4	31.3	29.4	30.1	31.0	29.4	30.1	29.7	28.2	28.7
17	30.3	29.0	29.6	31.7	30.5	31.1	31.0	29.5	30.3	29.0	27.9	28.3
18	30.3	28.7	29.5	31.3	29.0	30.2	30.5	29.0	29.6	29.3	28.0	28.6
19	30.2	29.4	29.9	31.6	29.9	30.8	29.6	29.0	29.4	29.6	28.2	28.8
20	29.5	28.5	28.9	31.6	28.1	29.6	30.5	29.2	29.7	29.5	28.8	29.2
21	29.5	28.4	28.9	30.5	28.1	29.0	30.6	29.0	29.8	28.8	27.9	28.1
22	30.9	28.7	29.7	32.5	29.9	30.9	30.2	29.4	29.8	28.2	27.1	27.6
23	31.9	29.8	30.6	31.0	28.8	30.3	30.7	29.1	29.7	27.6	26.5	27.0
24	32.1	30.9	31.4	28.9	28.5	28.7	31.9	29.6	30.5	27.8	26.6	27.3
25	32.0	30.8	31.4	29.8	28.0	28.8	31.8	30.5	31.0	28.2	26.6	27.4
26	31.6	30.4	30.8	30.8	28.6	29.6	32.8	30.5	31.4	28.1	27.2	27.6
27	30.5	28.4	29.1	30.6	29.8	30.2	32.2	31.3	31.8	28.5	27.5	28.0
28	29.0	28.1	28.5	30.6	29.6	30.1	32.2	31.3	31.8	28.3	26.3	27.6
29	29.0	27.8	28.5	30.6	29.6	29.9	32.5	31.1	31.6	26.3	22.2	24.0
30	28.6	25.5	27.3	30.6	29.2	29.9	31.1	29.1	29.7	22.8	21.2	21.9
31	---	---	---	30.8	29.5	30.2	29.6	28.3	28.7	---	---	---
MONTH	32.4	25.5	29.6	32.5	24.5	29.0	33.3	27.1	30.2	31.2	21.2	28.2

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

LOCATION.--Lat 29°42'29", long 89°43'10", Plaquemines Parish, Hydrologic Unit 08090203, on a two-pipe structure 8 mile southeast of Delacroix.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--May 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is assumed. Prior to July 23, 2003 at site 40 ft downstream at datum NAVD 88. Prior to Oct. 1, 1998, datum of gage is 3.40 ft below NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.02 ft, Sept. 27, 1998; minimum gage height, -2.14 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.64 ft, Aug. 31; minimum gage height, -1.06 ft, Jan. 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.11	1.47	1.82	1.97	1.35	1.70	---	---	---	1.44	-0.41	0.44
2	3.42	1.95	2.63	1.86	1.50	1.72	---	---	---	1.57	-0.05	0.62
3	6.44	3.42	5.10	1.72	1.29	1.55	---	---	---	0.41	-1.06	-0.40
4	3.88	2.00	2.79	1.99	0.81	1.43	---	---	---	0.90	-0.26	0.41
5	2.02	1.52	1.84	2.12	1.34	1.69	---	---	---	1.09	-0.35	0.43
6	1.71	0.77	1.36	1.59	-0.24	0.62	---	---	---	1.02	0.01	0.59
7	1.91	0.77	1.40	1.46	0.21	0.87	---	---	---	1.37	0.23	0.76
8	2.27	1.27	1.83	1.43	0.00	0.76	---	---	---	0.31	-0.52	0.02
9	2.47	1.35	2.03	1.53	0.46	1.00	---	---	---	0.57	-0.16	0.15
10	2.77	1.21	2.03	1.76	0.63	1.21	---	---	---	0.85	0.11	0.48
11	2.18	0.73	1.49	1.75	0.76	1.24	---	---	---	1.16	0.61	0.85
12	2.16	0.98	1.55	1.88	0.48	1.27	---	---	---	1.38	0.73	1.03
13	1.84	1.04	1.51	0.90	0.42	0.65	2.30	0.27	1.29	1.26	0.61	0.93
14	2.09	1.20	1.73	0.97	0.55	0.76	0.71	-0.29	0.10	1.20	0.07	0.68
15	1.97	1.10	1.57	1.17	0.93	1.06	1.05	0.06	0.49	1.29	0.23	0.73
16	1.74	1.10	1.43	1.04	0.21	0.72	1.11	0.01	0.58	1.27	0.15	0.69
17	1.71	1.04	1.36	0.33	-0.30	0.02	1.57	0.02	0.73	0.59	-0.94	-0.19
18	1.64	1.04	1.34	0.57	-0.46	0.11	1.77	0.45	1.14	0.81	-0.39	0.30
19	1.56	1.16	1.32	0.84	-0.41	0.21	1.87	1.00	1.50	0.57	-1.00	-0.11
20	1.59	1.08	1.36	1.35	-0.12	0.58	1.84	0.01	0.78	0.96	-0.55	0.18
21	1.76	0.94	1.44	1.43	0.00	0.78	1.30	0.02	0.74	0.89	-0.30	0.32
22	1.90	1.10	1.53	1.35	0.11	0.70	1.48	0.05	0.78	1.07	0.00	0.54
23	1.98	1.02	1.57	---	---	---	1.84	0.67	1.22	0.44	-0.49	-0.02
24	2.02	1.08	1.56	---	---	---	2.30	0.45	1.43	0.58	0.15	0.42
25	2.14	1.15	1.68	---	---	---	0.45	-0.54	-0.09	0.75	-0.20	0.22
26	2.03	0.98	1.57	---	---	---	0.85	0.32	0.60	1.25	0.02	0.58
27	2.11	0.99	1.56	---	---	---	0.81	0.33	0.60	1.14	0.07	0.55
28	2.01	0.85	1.42	---	---	---	0.89	0.20	0.49	1.36	0.06	0.74
29	1.85	1.28	1.54	---	---	---	1.16	0.02	0.55	1.53	0.00	0.77
30	1.72	1.11	1.42	---	---	---	1.75	0.29	0.87	1.58	0.04	0.80
31	1.94	1.37	1.66	---	---	---	1.79	0.98	1.45	1.65	0.20	0.89
MONTH	6.44	0.73	1.76	---	---	---	---	---	---	1.65	-1.06	0.46

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

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.09	-0.12	0.60	1.72	0.89	1.34	0.19	-0.32	-0.11	1.81	0.98	1.44
2	1.11	-0.21	0.54	1.60	0.42	0.99	0.83	-0.16	0.40	1.49	0.68	1.15
3	1.31	0.23	0.85	2.09	1.21	1.60	1.06	0.41	0.78	1.39	0.51	0.98
4	1.23	0.00	0.65	2.43	1.48	1.88	1.35	0.57	0.98	1.59	0.39	1.06
5	1.37	0.91	1.13	1.51	1.08	1.33	1.44	0.69	1.12	1.86	0.76	1.33
6	1.45	1.01	1.27	1.35	0.87	1.12	1.88	0.81	1.33	1.92	0.92	1.43
7	1.01	0.41	0.62	1.79	1.23	1.58	1.69	0.99	1.31	1.84	1.04	1.45
8	1.19	0.61	0.81	1.58	0.99	1.29	2.27	1.07	1.70	1.84	0.81	1.35
9	1.42	0.47	0.94	1.30	0.89	1.06	1.62	-0.28	0.54	1.60	1.01	1.38
10	1.29	0.17	0.68	1.45	0.55	0.99	-0.07	-0.81	-0.44	1.60	1.05	1.34
11	1.36	0.22	0.67	1.53	0.41	0.94	0.66	-0.61	-0.02	1.26	0.54	0.84
12	1.24	0.19	0.67	1.51	0.71	1.18	0.85	-0.52	0.16	1.27	0.54	0.83
13	1.33	0.10	0.61	1.43	0.64	1.05	0.79	-0.23	0.33	1.35	0.67	0.99
14	1.52	0.04	0.75	1.43	0.43	0.98	0.71	-0.04	0.37	1.18	0.35	0.94
15	1.79	0.48	1.18	1.48	0.38	0.94	0.77	0.19	0.50	1.33	0.23	0.86
16	1.85	0.50	1.03	2.07	0.87	1.38	1.34	0.51	0.99	1.39	0.11	0.80
17	0.79	-0.29	0.23	2.07	0.89	1.36	1.09	0.22	0.72	1.53	0.22	0.93
18	0.88	-0.10	0.46	1.95	1.17	1.57	1.47	0.01	0.81	1.17	0.06	0.60
19	1.02	0.21	0.69	1.96	1.32	1.69	1.71	0.40	1.15	1.46	-0.13	0.68
20	1.04	0.45	0.77	1.59	0.90	1.39	1.75	0.74	1.23	1.57	0.33	0.97
21	1.93	0.96	1.38	1.24	0.48	0.88	1.42	0.55	0.98	1.60	0.59	1.13
22	1.86	-0.22	0.90	1.51	0.16	0.91	1.69	0.34	1.02	1.39	0.52	0.97
23	1.50	-0.36	0.57	1.40	0.32	0.88	1.84	0.31	1.04	1.43	0.92	1.20
24	1.29	0.24	0.78	1.33	0.16	0.75	1.84	1.08	1.47	1.49	0.84	1.18
25	1.59	0.23	0.87	1.27	0.10	0.68	1.48	0.63	1.00	1.13	0.68	0.87
26	1.75	0.56	1.13	1.55	0.27	0.87	1.36	0.61	1.03	1.01	0.23	0.76
27	1.72	0.41	1.10	1.92	0.87	1.37	1.52	1.11	1.35	1.34	0.33	0.98
28	1.62	0.54	1.08	1.86	1.06	1.43	1.36	1.00	1.19	1.44	0.52	1.05
29	---	---	---	1.82	0.36	0.98	1.47	1.14	1.30	---	---	---
30	---	---	---	0.41	-0.57	-0.18	1.69	1.07	1.46	---	---	---
31	---	---	---	0.22	-0.40	0.00	---	---	---	---	---	---
MONTH	1.93	-0.36	0.82	2.43	-0.57	1.10	2.27	-0.81	0.86	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	3.29	1.44	2.13	4.96	4.06	4.50	6.36	5.61	5.97
2	---	---	---	2.09	1.20	1.66	4.82	4.10	4.48	6.22	5.34	5.80
3	---	---	---	1.82	1.01	1.44	4.76	4.41	4.57	6.13	5.27	5.72
4	---	---	---	1.69	0.89	1.33	4.73	4.33	4.52	6.10	5.16	5.67
5	---	---	---	1.66	0.95	1.32	4.84	3.92	4.45	6.17	5.18	5.70
6	---	---	---	1.63	1.12	1.47	4.93	3.74	4.37	6.25	5.20	5.76
7	---	---	---	1.80	1.39	1.58	4.63	3.60	4.13	6.11	5.19	5.69
8	---	---	---	1.74	1.16	1.50	5.21	3.70	4.55	6.11	5.36	5.74
9	---	---	---	1.72	0.80	1.37	5.39	4.02	4.81	5.96	5.20	5.59
10	0.96	0.14	0.61	1.58	0.43	1.13	5.40	4.16	4.83	5.85	5.13	5.51
11	1.02	-0.01	0.53	1.59	0.37	1.03	5.27	4.27	4.82	5.81	5.39	5.57
12	1.26	0.00	0.70	---	---	---	5.63	4.35	5.01	5.93	5.71	5.81
13	1.39	0.14	0.89	---	---	---	5.44	4.54	4.97	5.97	5.31	5.63
14	1.58	0.19	0.92	---	---	---	5.58	4.61	5.13	5.69	5.12	5.45
15	1.60	0.34	0.98	---	---	---	6.20	4.78	5.58	5.78	5.24	5.52
16	1.54	0.32	0.94	---	---	---	5.74	5.14	5.42	5.92	5.33	5.66
17	1.82	0.39	1.12	---	---	---	5.31	4.74	5.09	5.79	5.14	5.48
18	1.64	0.67	1.19	---	---	---	5.19	4.71	4.90	5.82	5.21	5.50
19	1.48	0.72	1.12	---	---	---	5.17	4.45	4.81	5.77	4.84	5.40
20	1.24	0.57	0.92	---	---	---	5.08	4.52	4.79	5.60	5.04	5.36
21	1.08	0.57	0.85	---	---	---	5.43	4.77	5.17	6.18	5.26	5.77
22	1.21	0.61	0.91	---	---	---	5.89	5.06	5.51	6.13	5.09	5.65
23	1.20	0.61	0.90	---	---	---	5.96	5.12	5.56	6.23	5.11	5.76
24	1.38	0.74	1.07	4.76	3.51	4.23	6.05	5.12	5.62	6.28	5.33	5.84
25	1.80	0.93	1.47	5.21	4.06	4.72	6.06	5.16	5.61	6.38	5.55	5.95
26	1.78	1.00	1.53	5.38	4.28	4.94	5.76	4.96	5.39	6.31	5.92	6.12
27	1.78	0.87	1.38	5.41	4.37	4.94	5.86	4.85	5.38	6.21	5.57	5.91
28	2.13	0.87	1.63	5.43	4.41	4.92	5.74	5.03	5.40	5.81	5.38	5.53
29	2.28	1.48	1.92	5.32	4.25	4.75	6.20	5.25	5.70	6.02	5.45	5.76
30	4.37	1.57	2.88	5.27	4.25	4.76	6.21	5.80	6.00	6.34	5.74	6.00
31	---	---	---	5.09	4.14	4.60	6.64	5.98	6.29	---	---	---
MONTH	---	---	---	---	---	---	6.64	3.60	5.08	6.38	4.84	5.69

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- May 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1997 to current year.

SALINITY: Oct. 2002 to September 2003.

WATER TEMPERATURE: May 1997 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 1-16 when records fair.

SALINITY: Records excellent except for Oct. 1-16 when records fair.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 34,200 microsiemens/cm, Oct. 8, 1999; minimum, 517 microsiemens/cm, Mar. 31, 2003.

SALINITY: Maximum, 13.7, in ppt, Oct. 3, 2002; minimum, 0.3, in ppt, on several days, 2003.

WATER TEMPERATURE: Maximum, 34.8°C, July 17, 2002; minimum, 1.7°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 22,800 microsiemens/cm, Oct. 3; minimum, 517 microsiemens/cm, Mar. 31.

SALINITY: Maximum, 13.7 ppt, Oct. 3; minimum, 0.3 ppt, on several days.

WATER TEMPERATURE: Maximum, 34.2°C, Aug. 5; minimum, 4.3°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10,700	9,160	10,200	8,240	7,510	7,830	---	---	---	3,520	2,270	2,840
2	14,400	10,100	11,500	8,440	7,580	8,110	---	---	---	4,130	2,000	3,070
3	22,800	14,400	19,800	8,480	7,610	8,110	---	---	---	2,920	1,700	2,060
4	20,000	14,000	16,900	8,460	7,600	8,040	---	---	---	2,690	2,340	2,520
5	14,000	11,200	12,300	8,540	7,070	7,910	---	---	---	3,420	2,620	2,890
6	11,300	9,310	10,400	7,220	5,660	6,550	---	---	---	3,380	2,650	2,980
7	10,700	9,130	9,690	6,860	6,060	6,590	---	---	---	4,570	3,040	3,480
8	10,100	8,140	9,260	6,700	5,620	6,310	---	---	---	3,040	1,900	2,470
9	10,000	8,940	9,430	6,620	6,190	6,450	---	---	---	2,760	1,570	2,010
10	9,860	8,600	9,330	7,050	6,080	6,510	---	---	---	3,600	2,040	2,430
11	9,720	8,040	8,950	6,850	5,650	6,280	---	---	---	4,150	2,910	3,590
12	9,360	7,700	8,600	6,660	5,690	6,270	---	---	---	4,710	3,520	4,000
13	9,030	8,000	8,480	6,770	5,330	6,090	9,250	4,820	6,460	4,330	3,510	3,890
14	8,840	7,600	8,370	6,570	5,920	6,380	5,720	3,540	4,700	4,240	2,760	3,430
15	8,650	7,660	8,370	6,510	5,980	6,280	5,530	3,500	4,710	3,770	2,750	3,290
16	8,790	7,520	8,410	6,280	4,910	5,630	5,310	3,960	4,660	3,830	1,900	2,920
17	8,940	7,740	8,520	5,650	4,140	4,750	5,230	4,030	4,650	2,600	1,230	1,800
18	8,620	7,800	8,170	5,620	4,630	5,260	6,200	4,720	5,180	2,370	1,700	2,120
19	8,650	7,640	8,420	5,610	4,960	5,290	7,010	5,390	5,980	2,240	958	1,350
20	8,560	7,830	8,250	5,660	5,130	5,430	6,350	3,660	4,630	1,830	1,080	1,510
21	8,470	7,770	8,160	5,700	5,020	5,450	4,580	3,340	4,100	1,740	1,060	1,390
22	8,540	7,940	8,180	5,820	5,210	5,490	4,980	3,420	4,150	1,840	1,150	1,410
23	8,840	8,090	8,410	---	---	---	6,150	3,870	4,610	1,810	935	1,200
24	8,930	8,320	8,540	---	---	---	8,460	3,740	5,980	2,000	1,620	1,780
25	9,600	8,450	8,910	---	---	---	4,130	2,270	3,060	1,710	1,290	1,560
26	9,400	8,320	8,800	---	---	---	4,270	3,700	4,020	1,720	1,460	1,610
27	9,420	8,270	8,850	---	---	---	4,030	3,370	3,870	2,260	1,540	1,710
28	9,310	8,020	8,680	---	---	---	4,000	3,000	3,580	2,500	1,450	1,850
29	9,020	7,080	8,040	---	---	---	3,800	3,010	3,460	3,200	1,520	2,070
30	8,160	6,380	7,500	---	---	---	4,860	3,330	3,720	3,630	1,590	2,270
31	7,940	6,880	7,670	---	---	---	6,370	3,520	4,570	4,710	1,960	3,020
MONTH	22,800	6,380	9,520	---	---	---	---	---	---	4,710	935	2,400

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

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3,750	1,460	2,440	3,930	2,180	2,980	955	525	675	6,910	5,160	6,010
2	3,170	1,230	2,120	3,340	1,290	2,220	911	584	780	6,210	4,990	5,490
3	3,260	1,690	2,440	4,390	2,370	3,060	1,170	792	990	5,490	4,530	5,030
4	3,290	1,160	1,940	6,620	3,000	4,360	1,320	970	1,140	6,270	4,370	5,190
5	5,200	2,000	3,470	3,830	2,210	2,890	1,400	1,050	1,210	7,230	4,580	5,860
6	6,790	3,730	5,480	2,740	1,490	2,120	1,810	1,040	1,320	8,120	4,990	6,420
7	3,730	2,360	2,900	3,340	2,620	2,910	1,710	1,190	1,380	8,120	5,690	6,750
8	5,680	2,560	4,220	3,180	2,450	2,790	2,450	1,260	1,740	7,920	5,290	6,540
9	5,200	3,450	4,590	3,790	1,930	2,690	1,680	876	1,140	7,440	5,840	6,670
10	4,900	2,610	3,760	2,880	1,580	2,250	1,060	708	813	7,440	5,960	6,630
11	3,890	2,000	3,030	2,540	1,730	2,210	1,080	670	890	6,370	5,660	6,100
12	3,880	2,590	3,250	2,600	2,160	2,350	1,070	867	981	5,870	5,400	5,680
13	4,010	2,230	3,020	3,040	2,180	2,380	1,180	962	1,030	6,500	5,540	5,890
14	4,660	2,930	3,510	3,040	1,720	2,180	1,220	1,000	1,110	6,200	5,830	5,960
15	7,610	3,840	5,200	2,560	1,630	2,020	1,220	1,140	1,190	6,470	5,550	5,930
16	8,370	3,090	5,020	4,820	2,140	2,880	2,100	1,200	1,590	6,780	5,650	6,060
17	3,340	1,900	2,570	5,200	2,480	3,470	1,630	1,250	1,430	7,530	5,660	6,410
18	3,910	2,800	3,310	6,200	3,340	4,440	2,570	1,170	1,640	6,180	5,670	6,000
19	4,500	3,320	3,860	6,270	4,050	5,020	4,830	1,500	2,840	7,260	5,470	6,140
20	4,920	3,220	3,930	4,070	2,500	3,390	5,650	2,670	3,680	8,070	5,880	6,720
21	9,220	4,860	6,470	3,590	1,430	2,210	3,940	2,630	3,370	8,170	6,440	7,160
22	8,180	2,720	4,810	2,460	1,430	1,930	5,190	2,610	3,610	7,600	6,020	6,790
23	4,260	2,240	3,280	2,090	1,400	1,780	6,570	2,880	4,070	7,760	6,860	7,260
24	3,760	2,710	3,260	1,810	1,100	1,420	6,720	4,430	5,560	8,160	6,750	7,470
25	4,190	2,410	3,100	1,550	1,020	1,290	5,640	3,920	4,480	7,590	6,420	6,980
26	4,650	2,470	3,330	1,640	992	1,280	4,430	3,480	4,060	7,050	6,120	6,600
27	4,650	2,030	2,920	2,510	1,160	1,600	5,470	4,310	4,920	7,680	6,170	6,940
28	3,140	1,870	2,570	2,510	1,320	1,800	5,060	4,290	4,690	8,040	6,620	7,380
29	---	---	---	2,260	988	1,450	6,030	4,580	5,220	---	---	---
30	---	---	---	859	645	728	6,890	4,980	6,060	---	---	---
31	---	---	---	1,300	517	851	---	---	---	---	---	---
MONTH	9,220	1,160	3,560	6,620	517	2,420	6,890	525	2,450	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	7,730	5,040	6,130	2,900	2,280	2,620	20,000	17,500	19,000
2	---	---	---	5,960	4,060	4,940	2,760	2,270	2,550	19,200	16,100	18,300
3	---	---	---	4,720	3,440	4,070	2,600	2,100	2,360	18,600	16,400	17,700
4	---	---	---	4,000	3,060	3,540	2,540	2,020	2,260	18,400	15,800	17,400
5	---	---	---	3,610	2,760	3,300	2,660	1,960	2,320	18,600	15,800	17,500
6	---	---	---	3,350	2,600	3,150	2,520	1,960	2,260	19,400	16,000	17,900
7	---	---	---	3,310	2,820	3,110	2,350	1,830	2,070	18,900	16,200	17,700
8	---	---	---	3,350	2,580	3,060	2,830	1,800	2,340	19,100	17,000	18,100
9	---	---	---	3,280	2,560	2,950	4,090	2,260	3,030	18,500	17,100	17,800
10	4,610	4,030	4,350	2,950	2,240	2,630	5,440	2,680	3,890	18,100	16,500	17,300
11	4,490	3,890	4,200	2,930	2,110	2,430	5,670	3,360	4,500	18,500	16,600	17,400
12	4,970	3,890	4,310	---	---	---	8,100	3,860	5,580	20,000	18,100	19,200
13	4,300	3,560	3,990	---	---	---	7,970	4,630	6,120	20,100	17,900	19,000
14	4,870	3,500	4,010	---	---	---	9,320	4,990	6,890	18,600	17,000	18,000
15	5,020	3,560	4,080	---	---	---	14,300	6,210	10,200	18,500	17,300	18,100
16	4,970	3,650	4,100	---	---	---	11,500	9,370	9,870	18,400	17,300	18,100
17	5,610	3,740	4,430	---	---	---	9,370	7,350	8,510	19,100	17,400	18,300
18	5,260	4,070	4,630	---	---	---	9,050	5,990	7,430	18,600	17,500	18,200
19	4,950	4,120	4,480	---	---	---	8,180	5,380	6,790	18,500	16,800	18,000
20	4,470	3,910	4,170	---	---	---	7,120	5,200	6,290	18,000	16,700	17,600
21	4,170	3,590	3,910	---	---	---	7,960	5,900	7,260	19,800	17,200	18,500
22	4,080	3,360	3,810	---	---	---	11,600	6,850	9,410	19,100	17,000	18,200
23	4,030	3,300	3,740	---	---	---	13,900	8,370	11,600	19,400	16,800	18,200
24	4,250	3,600	4,000	1,990	1,500	1,840	14,700	9,850	12,600	19,700	17,300	18,600
25	5,390	3,670	4,580	2,600	1,780	2,230	15,900	11,400	13,400	19,900	18,100	18,800
26	5,990	4,410	5,220	3,120	2,130	2,630	14,700	11,800	13,100	19,800	18,500	19,200
27	5,070	4,090	4,560	3,260	2,400	2,760	14,400	11,200	12,900	19,500	18,200	18,800
28	5,800	3,910	4,740	3,180	2,590	2,830	14,300	11,500	13,000	18,200	17,000	17,500
29	6,540	4,440	5,440	2,980	2,590	2,780	17,800	12,500	14,600	18,300	17,100	17,800
30	12,600	4,770	7,800	3,080	2,540	2,810	19,900	15,500	17,500	19,000	17,500	18,300
31	---	---	---	3,020	2,480	2,750	22,000	18,100	19,900	---	---	---
MONTH	---	---	---	---	---	---	22,000	1,800	7,840	20,100	15,800	18,200

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.1	5.1	5.8	4.6	4.1	4.3	---	---	---	1.8	1.2	1.5
2	8.3	5.7	6.6	4.7	4.2	4.5	---	---	---	2.2	1.0	1.6
3	13.7	8.3	11.8	4.7	4.2	4.5	---	---	---	1.5	0.9	1.0
4	11.9	8.1	9.9	4.7	4.2	4.4	---	---	---	1.4	1.2	1.3
5	8.1	6.3	7.0	4.7	3.9	4.4	---	---	---	1.8	1.3	1.5
6	6.4	5.2	5.9	4.0	3.1	3.6	---	---	---	1.8	1.4	1.5
7	6.1	5.1	5.4	3.8	3.3	3.6	---	---	---	2.4	1.6	1.8
8	5.7	4.5	5.2	3.7	3.0	3.4	---	---	---	1.6	1.0	1.3
9	5.6	5.0	5.3	3.6	3.4	3.5	---	---	---	1.4	0.8	1.0
10	5.5	4.8	5.2	3.9	3.3	3.5	---	---	---	1.9	1.0	1.2
11	5.5	4.4	5.0	3.7	3.0	3.4	---	---	---	2.2	1.5	1.9
12	5.2	4.2	4.8	3.6	3.1	3.4	---	---	---	2.5	1.8	2.1
13	5.0	4.4	4.7	3.7	2.9	3.3	5.2	2.6	3.5	2.3	1.8	2.1
14	4.9	4.2	4.6	3.6	3.2	3.5	3.1	1.9	2.5	2.2	1.4	1.8
15	4.8	4.2	4.6	3.5	3.2	3.4	3.0	1.8	2.5	2.0	1.4	1.7
16	4.9	4.1	4.7	3.4	2.6	3.0	2.9	2.1	2.5	2.0	1.0	1.5
17	5.0	4.3	4.7	3.0	2.2	2.5	2.8	2.1	2.5	1.3	0.6	0.9
18	4.8	4.3	4.5	3.0	2.5	2.8	3.4	2.5	2.8	1.2	0.9	1.1
19	4.8	4.2	4.7	3.0	2.7	2.8	3.8	2.9	3.2	1.1	0.5	0.7
20	4.8	4.3	4.6	3.1	2.8	2.9	3.5	1.9	2.5	0.9	0.5	0.8
21	4.7	4.3	4.5	3.1	2.7	2.9	2.4	1.7	2.2	0.9	0.5	0.7
22	4.7	4.4	4.5	3.1	2.8	3.0	2.7	1.8	2.2	0.9	0.6	0.7
23	4.9	4.5	4.7	---	---	---	3.3	2.0	2.5	0.9	0.5	0.6
24	5.0	4.6	4.7	---	---	---	4.7	2.0	3.2	1.0	0.8	0.9
25	5.4	4.7	5.0	---	---	---	2.2	1.2	1.6	0.9	0.6	0.8
26	5.3	4.6	4.9	---	---	---	2.3	1.9	2.1	0.9	0.7	0.8
27	5.3	4.6	4.9	---	---	---	2.1	1.8	2.0	1.2	0.8	0.9
28	5.2	4.4	4.8	---	---	---	2.1	1.6	1.9	1.3	0.7	0.9
29	5.0	3.9	4.4	---	---	---	2.0	1.6	1.8	1.7	0.8	1.1
30	4.5	3.5	4.1	---	---	---	2.6	1.7	2.0	1.9	0.8	1.2
31	4.4	3.8	4.2	---	---	---	3.5	1.8	2.4	2.5	1.0	1.6
MONTH	13.7	3.5	5.3	---	---	---	---	---	---	2.5	0.5	1.2
FEBRUARY			MARCH			APRIL			MAY			
1	2.0	0.7	1.3	2.1	1.1	1.5	0.5	0.3	0.3	3.8	2.8	3.3
2	1.6	0.6	1.1	1.7	0.6	1.1	0.4	0.3	0.4	3.4	2.7	3.0
3	1.7	0.9	1.3	2.3	1.2	1.6	0.6	0.4	0.5	3.0	2.4	2.7
4	1.7	0.6	1.0	3.6	1.6	2.3	0.7	0.5	0.6	3.4	2.3	2.8
5	2.8	1.0	1.8	2.0	1.1	1.5	0.7	0.5	0.6	4.0	2.4	3.2
6	3.7	2.0	3.0	1.4	0.7	1.1	0.9	0.5	0.7	4.5	2.7	3.5
7	2.0	1.2	1.5	1.7	1.3	1.5	0.9	0.6	0.7	4.5	3.1	3.7
8	3.1	1.3	2.2	1.7	1.3	1.4	1.3	0.6	0.9	4.4	2.8	3.6
9	2.8	1.8	2.4	2.0	1.0	1.4	0.8	0.4	0.6	4.1	3.2	3.6
10	2.6	1.3	2.0	1.5	0.8	1.2	0.5	0.3	0.4	4.1	3.2	3.6
11	2.1	1.0	1.6	1.3	0.9	1.1	0.5	0.3	0.4	3.5	3.1	3.3
12	2.0	1.3	1.7	1.3	1.1	1.2	0.5	0.4	0.5	3.2	2.9	3.1
13	2.1	1.1	1.6	1.6	1.1	1.2	0.6	0.5	0.5	3.5	3.0	3.2
14	2.5	1.5	1.8	1.6	0.9	1.1	0.6	0.5	0.5	3.4	3.2	3.2
15	4.2	2.0	2.8	1.3	0.8	1.0	0.6	0.6	0.6	3.5	3.0	3.2
16	4.6	1.6	2.7	2.6	1.1	1.5	1.1	0.6	0.8	3.7	3.0	3.3
17	1.7	1.0	1.3	2.8	1.3	1.8	0.8	0.6	0.7	4.1	3.1	3.5
18	2.1	1.4	1.7	3.4	1.7	2.4	1.3	0.6	0.8	3.4	3.1	3.3
19	2.4	1.7	2.0	3.4	2.1	2.7	2.6	0.8	1.5	4.0	2.9	3.3
20	2.6	1.7	2.1	2.2	1.3	1.8	3.0	1.4	1.9	4.5	3.2	3.7
21	5.2	2.6	3.5	1.9	0.7	1.1	2.1	1.4	1.8	4.5	3.5	3.9
22	4.5	1.4	2.6	1.3	0.7	1.0	2.8	1.3	1.9	4.2	3.3	3.7
23	2.3	1.1	1.7	1.1	0.7	0.9	3.6	1.5	2.2	4.3	3.8	4.0
24	2.0	1.4	1.7	0.9	0.5	0.7	3.7	2.4	3.0	4.5	3.7	4.1
25	2.2	1.2	1.6	0.8	0.5	0.6	3.0	2.1	2.4	4.2	3.5	3.8
26	2.5	1.3	1.7	0.8	0.5	0.6	2.4	1.8	2.1	3.9	3.3	3.6
27	2.5	1.0	1.5	1.3	0.6	0.8	2.9	2.3	2.6	4.2	3.3	3.8
28	1.6	0.9	1.3	1.3	0.7	0.9	2.7	2.3	2.5	4.4	3.6	4.1
29	---	---	---	1.2	0.5	0.7	3.3	2.4	2.8	---	---	---
30	---	---	---	0.4	0.3	0.4	3.8	2.7	3.3	---	---	---
31	---	---	---	0.6	0.3	0.4	---	---	---	---	---	---
MONTH	5.2	0.6	1.9	3.6	0.3	1.2	3.8	0.3	1.3	---	---	---

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	4.3	2.7	3.3	1.5	1.2	1.4	11.9	10.3	11.2
2	---	---	---	3.2	2.1	2.6	1.4	1.2	1.3	11.4	9.4	10.8
3	---	---	---	2.5	1.8	2.2	1.3	1.1	1.2	11.0	9.6	10.4
4	---	---	---	2.1	1.6	1.9	1.3	1.0	1.2	10.9	9.2	10.2
5	---	---	---	1.9	1.4	1.7	1.4	1.0	1.2	11.0	9.2	10.3
6	---	---	---	1.7	1.3	1.6	1.3	1.0	1.2	11.5	9.3	10.5
7	---	---	---	1.7	1.5	1.6	1.2	0.9	1.1	11.2	9.4	10.4
8	---	---	---	1.7	1.3	1.6	1.5	0.9	1.2	11.4	10.0	10.7
9	---	---	---	1.7	1.3	1.5	2.2	1.2	1.6	10.9	10.1	10.5
10	2.5	2.1	2.3	1.5	1.1	1.4	2.9	1.4	2.1	10.7	9.7	10.2
11	2.4	2.1	2.2	1.5	1.1	1.2	3.1	1.8	2.4	10.9	9.7	10.3
12	2.7	2.1	2.3	---	---	---	4.5	2.0	3.0	11.9	10.7	11.4
13	2.3	1.9	2.1	---	---	---	4.4	2.5	3.3	12.0	10.5	11.3
14	2.6	1.8	2.1	---	---	---	5.2	2.7	3.8	11.0	10.0	10.6
15	2.7	1.9	2.2	---	---	---	8.3	3.4	5.8	10.9	10.2	10.6
16	2.7	1.9	2.2	---	---	---	6.5	5.2	5.5	10.9	10.2	10.7
17	3.0	2.0	2.4	---	---	---	5.2	4.0	4.7	11.4	10.2	10.8
18	2.8	2.2	2.5	---	---	---	5.0	3.2	4.1	11.0	10.3	10.7
19	2.6	2.2	2.4	---	---	---	4.5	2.9	3.7	10.9	9.9	10.6
20	2.4	2.1	2.2	---	---	---	3.9	2.8	3.4	10.6	9.8	10.3
21	2.2	1.9	2.1	---	---	---	4.4	3.2	4.0	11.8	10.1	11.0
22	2.2	1.8	2.0	---	---	---	6.6	3.7	5.3	11.4	10.0	10.7
23	2.1	1.7	2.0	---	---	---	8.0	4.6	6.6	11.5	9.9	10.7
24	2.3	1.9	2.1	1.0	0.8	0.9	8.6	5.5	7.3	11.7	10.2	11.0
25	2.9	1.9	2.4	1.3	0.9	1.1	9.3	6.5	7.7	11.8	10.7	11.2
26	3.2	2.3	2.8	1.6	1.1	1.4	8.6	6.7	7.5	11.8	10.9	11.4
27	2.7	2.2	2.4	1.7	1.2	1.4	8.3	6.3	7.4	11.6	10.7	11.2
28	3.1	2.1	2.5	1.7	1.3	1.5	8.3	6.5	7.5	10.7	10.0	10.3
29	3.6	2.4	2.9	1.5	1.3	1.4	10.5	7.2	8.5	10.8	10.1	10.5
30	7.2	2.5	4.3	1.6	1.3	1.5	11.8	9.0	10.3	11.3	10.3	10.8
31	---	---	---	1.6	1.3	1.4	13.2	10.7	11.9	---	---	---
MONTH	---	---	---	---	---	---	13.2	0.9	4.4	12.0	9.2	10.7

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

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	30.1	28.2	29.0	21.7	19.5	20.7	---	---	---	15.0	12.9	14.0
2	29.3	27.8	28.3	19.9	18.3	19.1	---	---	---	15.6	11.8	14.0
3	27.8	26.5	26.9	19.4	17.8	18.6	---	---	---	12.0	9.2	10.6
4	28.6	26.2	27.3	20.2	19.4	19.8	---	---	---	12.2	9.6	10.8
5	29.2	27.9	28.4	21.3	20.0	20.7	---	---	---	13.9	10.3	12.0
6	30.0	27.5	28.6	20.3	17.8	18.8	---	---	---	14.0	11.8	12.7
7	29.8	28.4	29.0	18.9	16.5	17.9	---	---	---	12.5	10.6	11.7
8	29.0	27.6	28.4	20.2	17.0	18.5	---	---	---	13.3	9.5	11.2
9	28.5	27.6	28.1	21.3	18.5	19.9	---	---	---	15.1	11.3	12.9
10	27.7	26.8	27.2	24.3	20.4	22.3	---	---	---	15.4	13.6	14.5
11	28.8	26.4	27.5	23.7	22.9	23.3	---	---	---	13.6	10.6	11.6
12	29.0	27.0	27.9	22.9	17.5	21.1	---	---	---	10.7	8.7	9.5
13	28.1	24.8	26.8	17.5	16.0	16.7	13.6	11.8	12.6	9.2	7.1	8.2
14	25.0	22.0	23.6	17.9	15.2	16.7	12.5	11.0	11.8	9.7	7.5	8.8
15	23.0	21.5	22.4	19.4	17.1	18.2	13.5	11.2	12.2	10.1	8.2	9.2
16	22.2	20.8	21.4	19.0	12.8	16.2	14.6	11.8	13.0	12.3	9.6	10.6
17	22.7	20.6	21.4	13.5	11.2	12.5	15.2	13.0	14.2	10.1	7.1	8.3
18	22.7	20.5	21.7	15.0	12.3	13.8	17.0	14.4	15.6	9.2	6.4	7.8
19	23.9	21.8	22.7	16.6	14.5	15.6	19.1	15.9	17.4	10.4	6.0	8.1
20	24.6	23.1	23.9	17.4	15.9	16.7	17.6	15.5	16.5	13.2	8.1	10.6
21	24.8	23.7	24.2	18.6	16.1	17.1	16.1	14.3	15.2	16.1	11.1	13.6
22	25.0	23.5	24.3	17.0	15.3	16.2	18.7	15.3	16.9	17.3	14.2	15.7
23	25.3	24.0	24.6	---	---	---	17.6	16.9	17.2	15.2	8.4	10.1
24	24.7	23.9	24.3	---	---	---	20.3	15.9	18.4	8.4	5.7	6.9
25	24.6	23.7	24.2	---	---	---	15.9	11.6	13.0	7.6	4.3	6.0
26	24.3	24.0	24.2	---	---	---	11.6	10.8	11.1	7.8	6.9	7.3
27	25.9	23.9	24.8	---	---	---	11.3	9.8	10.6	9.1	6.8	7.9
28	27.3	24.9	26.0	---	---	---	12.6	10.1	11.2	10.6	8.2	9.5
29	26.3	23.9	25.1	---	---	---	13.8	11.2	12.4	13.9	10.2	12.1
30	24.8	23.7	24.2	---	---	---	14.5	12.8	13.7	14.9	12.6	13.9
31	24.1	21.5	22.7	---	---	---	16.2	14.4	15.2	15.6	13.0	14.1
MONTH	30.1	20.5	25.5	---	---	---	---	---	---	17.3	4.3	10.8
FEBRUARY			MARCH			APRIL			MAY			
1	16.3	13.0	14.4	15.8	15.3	15.5	18.1	14.4	16.3	28.4	25.7	26.9
2	17.3	13.3	15.1	17.0	15.0	16.0	19.0	17.0	18.1	29.5	27.0	28.1
3	17.7	15.0	16.2	16.0	14.1	14.8	20.4	18.3	19.3	29.7	27.5	28.5
4	17.3	15.3	16.4	14.8	13.9	14.3	23.1	20.1	21.4	29.4	27.8	28.5
5	15.6	13.6	14.4	17.8	14.6	15.8	24.0	22.2	23.2	28.3	26.7	27.6
6	14.3	13.2	13.7	18.6	17.6	18.1	24.6	23.1	23.9	28.4	26.5	27.5
7	13.9	9.8	11.7	19.0	17.2	18.1	25.2	23.8	24.5	28.8	26.8	27.8
8	10.9	8.6	9.9	18.7	18.2	18.5	23.8	20.6	22.7	28.9	27.0	28.0
9	11.3	9.7	10.4	20.8	18.6	19.6	20.6	11.9	16.2	29.3	27.2	28.2
10	14.0	11.3	12.5	21.7	19.4	20.6	16.8	10.1	12.9	29.3	27.2	28.3
11	14.2	11.8	13.0	21.0	19.9	20.5	16.8	13.6	15.0	29.9	27.2	28.5
12	15.5	12.9	14.2	21.4	19.8	20.6	19.1	15.2	16.8	29.0	27.6	28.2
13	16.2	14.4	15.2	22.4	20.5	21.3	22.0	17.3	19.3	27.8	26.0	27.1
14	18.0	15.3	16.6	22.7	20.4	21.5	24.0	20.1	21.9	28.4	25.3	26.6
15	18.8	16.8	17.8	23.4	20.7	22.0	24.8	22.2	23.5	29.3	27.2	28.0
16	18.5	15.7	17.9	22.3	21.2	21.6	24.7	22.3	23.4	29.7	27.3	28.3
17	15.7	11.7	12.9	23.3	20.4	21.6	26.1	23.5	24.5	29.1	27.4	28.2
18	14.0	10.8	12.4	22.7	21.3	22.1	26.3	24.5	25.5	28.3	26.7	27.5
19	15.8	12.6	14.0	23.0	21.3	22.3	26.0	24.8	25.4	27.9	26.3	27.2
20	16.5	14.8	15.7	22.8	21.1	22.2	26.1	23.8	25.1	28.0	26.4	27.2
21	17.2	16.0	16.5	21.8	19.7	20.7	26.5	25.1	25.8	27.7	26.5	27.0
22	17.5	14.1	16.4	22.0	19.2	20.6	26.0	24.6	25.3	27.0	25.5	26.3
23	16.1	13.3	14.7	22.4	20.3	21.3	25.2	23.5	24.3	27.2	24.1	26.0
24	17.3	14.7	16.0	23.3	20.2	21.7	24.9	23.1	24.0	28.8	26.0	27.3
25	17.0	16.0	16.6	22.1	21.0	21.6	26.9	24.0	25.3	29.2	26.7	27.9
26	16.8	16.0	16.4	22.1	20.7	21.4	26.1	23.9	25.3	30.5	28.2	29.0
27	16.9	16.1	16.5	23.2	20.5	21.9	26.5	23.6	25.0	28.4	26.8	27.9
28	16.1	15.2	15.5	24.3	22.0	23.2	27.2	24.4	25.9	28.7	26.0	27.1
29	---	---	---	23.4	17.9	21.5	26.9	25.3	26.1	---	---	---
30	---	---	---	16.2	13.0	14.5	27.1	25.5	26.2	---	---	---
31	---	---	---	17.0	13.0	14.6	---	---	---	---	---	---
MONTH	18.8	8.6	14.8	24.3	13.0	19.7	27.2	10.1	22.4	---	---	---

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

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	27.2	24.9	26.0	31.1	29.4	30.3	30.0	27.8	28.7
2	---	---	---	28.8	26.5	27.4	30.4	28.8	29.5	32.1	28.7	30.2
3	---	---	---	28.8	27.6	28.2	31.3	28.5	29.8	31.7	30.0	30.8
4	---	---	---	28.4	27.0	27.8	33.7	29.9	31.5	31.3	30.2	30.7
5	---	---	---	27.0	26.1	26.7	34.2	30.3	31.9	30.2	28.2	29.4
6	---	---	---	29.4	25.8	27.2	31.9	30.1	31.3	30.2	27.8	28.7
7	---	---	---	29.0	27.5	28.2	31.0	29.3	30.1	29.7	28.4	29.1
8	---	---	---	29.1	27.3	28.0	31.9	29.1	30.2	30.1	28.4	29.1
9	---	---	---	31.1	28.2	29.4	32.0	29.9	30.8	29.0	28.0	28.6
10	32.7	30.5	31.4	32.8	29.7	30.8	32.1	30.0	30.9	29.0	27.5	28.2
11	30.7	28.8	29.9	31.6	30.1	30.7	31.6	30.5	31.0	29.4	27.1	28.2
12	30.6	28.6	29.4	---	---	---	30.6	28.1	29.4	28.9	27.4	28.2
13	30.4	27.7	29.1	---	---	---	28.1	26.6	27.6	30.0	27.3	28.5
14	30.9	28.8	29.8	---	---	---	29.7	26.3	27.8	30.9	28.3	29.5
15	30.9	29.2	30.0	---	---	---	30.1	28.4	29.2	30.5	28.7	29.5
16	31.3	29.0	30.2	---	---	---	30.9	29.1	30.0	29.2	27.7	28.5
17	30.8	28.5	29.5	---	---	---	31.0	29.5	30.4	29.9	27.4	28.4
18	29.8	27.8	28.7	---	---	---	32.2	29.3	30.6	30.2	27.9	28.9
19	29.1	28.1	28.6	---	---	---	32.8	30.2	31.3	31.4	28.4	29.5
20	28.8	27.6	28.1	---	---	---	31.5	30.4	30.8	29.4	28.0	28.8
21	29.0	28.0	28.4	---	---	---	30.9	29.6	30.3	28.3	27.6	27.9
22	30.8	28.0	29.3	---	---	---	30.2	29.2	29.8	28.1	26.8	27.5
23	32.9	29.8	31.1	---	---	---	30.8	29.1	29.6	28.2	26.3	27.1
24	32.7	30.5	31.6	29.6	28.3	28.8	31.8	29.3	30.2	28.1	26.6	27.4
25	32.1	30.1	31.1	31.0	28.3	29.5	31.3	29.9	30.5	27.5	26.8	27.1
26	31.3	29.6	30.2	32.1	29.3	30.5	32.8	30.1	31.2	28.3	26.4	27.3
27	29.8	28.8	29.5	32.1	30.4	31.2	31.8	30.9	31.3	29.2	27.4	28.1
28	29.7	28.2	29.0	32.1	30.6	31.1	31.7	30.3	30.8	28.3	25.0	26.8
29	30.0	28.5	29.1	31.7	29.6	30.6	31.2	29.8	30.4	25.4	22.4	23.5
30	28.8	25.7	27.2	32.1	30.1	30.9	30.2	28.7	29.5	22.8	21.4	22.0
31	---	---	---	31.9	30.0	30.9	29.5	28.0	28.6	---	---	---
MONTH	---	---	---	---	---	---	34.2	26.3	30.2	32.1	21.4	28.2

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

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

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--March 1992 to September 1998. December 1998 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 0.703 ft below NAVD 88. Prior to Sept. 18, 2001, datum of gage was NGVD 1929. Prior to Oct. 1, 1995, datum of gage was 8.4 ft below NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 7.86 ft, Oct. 3, 2002; minimum, -3.01 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.86 ft, Oct. 3; minimum gage height, -1.99 ft, Feb. 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	2.40	1.16	1.98	1.16	0.17	0.74	2.08	-1.20	0.29
2	6.00	2.79	3.65	2.37	1.69	2.07	1.31	-0.46	0.45	1.94	-0.60	0.10
3	7.86	2.33	5.09	2.19	1.34	1.88	1.80	-0.65	0.57	1.40	-1.26	-0.29
4	2.92	1.39	2.39	2.94	0.61	1.76	1.93	-0.30	0.83	1.40	-0.74	0.38
5	2.56	1.42	2.13	2.91	1.27	1.83	1.83	-0.86	0.40	1.35	-0.94	0.18
6	2.21	1.57	1.90	2.19	-0.72	0.59	1.81	-0.56	0.51	1.41	-0.19	0.48
7	2.43	1.16	1.94	2.16	0.11	1.07	1.59	-0.74	0.35	1.52	-0.20	0.48
8	2.92	1.66	2.30	2.14	-0.19	0.97	1.63	-0.43	0.44	0.20	-0.42	-0.08
9	3.14	1.32	2.28	2.22	0.32	1.27	2.48	0.45	1.18	0.62	-0.04	0.19
10	3.31	1.27	2.27	2.48	0.45	1.42	2.77	0.27	1.36	0.85	0.07	0.49
11	3.14	1.02	2.08	2.14	0.55	1.32	1.30	0.42	0.84	1.11	0.45	0.79
12	3.08	0.97	2.00	2.71	0.15	1.31	3.05	0.89	1.32	1.30	0.42	0.83
13	2.73	1.30	2.07	1.41	0.42	0.96	2.86	-0.79	0.43	1.28	0.36	0.84
14	3.23	1.69	2.51	1.35	0.75	1.01	0.67	-0.93	-0.06	1.27	-0.43	0.43
15	2.86	1.44	2.18	1.43	1.16	1.32	1.04	-0.29	0.40	1.36	-0.21	0.58
16	2.57	1.46	2.09	1.41	0.36	0.89	1.12	-0.48	0.41	1.18	-0.49	0.41
17	2.30	1.23	1.88	0.63	-0.07	0.26	1.93	-0.42	0.70	1.05	-1.43	-0.56
18	2.34	1.58	2.00	0.87	-0.47	0.23	2.14	-0.06	1.05	0.96	-0.82	-0.04
19	2.09	1.62	1.85	1.40	-0.71	0.34	2.01	0.45	1.29	1.30	-1.62	-0.40
20	2.33	1.52	1.97	1.99	-0.40	0.80	1.54	-0.89	0.17	1.30	-1.25	-0.11
21	2.51	1.17	1.99	1.85	-0.31	0.81	1.66	-0.60	0.51	1.05	-0.72	0.19
22	2.55	1.26	2.01	1.71	0.08	0.68	1.67	-0.76	0.45	1.06	-0.38	0.38
23	2.76	1.31	2.05	1.48	-0.34	0.58	2.57	0.30	1.31	0.43	-0.33	0.01
24	2.96	1.32	2.04	1.60	-0.39	0.59	2.66	-0.74	0.62	0.54	-0.41	0.27
25	3.00	1.19	2.09	1.70	-0.21	0.80	0.56	-0.73	-0.32	0.83	-0.62	0.18
26	2.77	0.78	1.88	1.66	-0.10	0.78	0.77	0.07	0.53	1.44	-0.48	0.34
27	2.94	0.97	1.91	1.40	0.18	0.81	0.74	0.28	0.48	1.18	-0.64	0.39
28	2.71	0.69	1.67	1.46	0.09	0.78	0.82	-0.13	0.35	1.62	-0.81	0.52
29	2.42	0.74	1.75	0.86	0.19	0.56	1.14	-0.50	0.42	1.53	-0.68	0.53
30	2.12	1.19	1.74	0.82	0.05	0.36	2.19	-0.23	0.95	1.69	-1.03	0.32
31	2.51	1.49	2.08	---	---	---	2.04	0.37	1.16	1.65	-0.77	0.21
MONTH	---	---	---	2.94	-0.72	1.00	3.05	-0.93	0.64	2.08	-1.62	0.27

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

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.79	-0.84	-0.01	2.23	0.68	1.30	---	---	---	2.10	0.42	1.41
2	0.76	-1.25	-0.27	1.82	0.34	0.98	---	---	---	1.68	0.08	1.07
3	0.78	-0.91	-0.10	2.96	1.57	1.99	1.25	0.44	0.87	1.70	0.02	0.94
4	0.55	-0.87	-0.25	2.98	1.52	1.98	1.73	0.59	1.19	1.94	0.02	1.10
5	0.87	0.55	0.66	1.71	1.07	1.45	1.80	0.72	1.33	2.27	0.26	1.31
6	0.84	0.06	0.58	1.63	0.99	1.26	2.37	0.72	1.62	2.29	0.34	1.39
7	0.83	-0.01	0.45	2.24	0.80	1.70	2.11	0.71	1.38	2.15	0.52	1.36
8	1.41	0.73	1.06	1.85	0.79	1.33	3.28	0.97	2.01	2.17	0.36	1.35
9	1.45	0.35	0.96	1.61	0.44	1.15	1.04	-0.55	0.33	1.76	0.58	1.28
10	1.01	-0.18	0.37	1.75	0.21	1.11	0.57	-1.01	-0.06	1.64	0.74	1.22
11	1.51	-0.09	0.70	1.87	-0.04	1.05	1.38	-0.63	0.41	1.07	0.59	0.77
12	0.88	-0.29	0.42	1.55	0.38	0.94	1.55	-0.84	0.45	1.69	0.68	1.02
13	1.31	-0.51	0.54	1.49	-0.02	0.71	1.15	-0.33	0.56	1.68	0.78	1.13
14	1.44	-0.82	0.24	1.59	-0.09	0.86	0.96	-0.06	0.56	1.37	0.01	0.85
15	1.36	-0.58	0.35	1.74	0.25	1.09	1.19	0.30	0.74	1.67	-0.50	0.79
16	1.16	-0.91	-0.06	2.68	0.85	1.75	1.62	0.17	1.08	1.73	-0.42	0.79
17	1.33	-0.76	0.01	2.45	1.07	1.65	1.57	-0.29	0.84	2.01	-0.75	0.83
18	1.36	-0.04	0.58	---	---	---	2.20	-0.25	1.14	1.59	-0.75	0.54
19	1.24	0.22	0.72	---	---	---	2.30	0.02	1.38	2.26	-0.74	0.93
20	0.88	0.40	0.66	---	---	---	2.41	0.27	1.29	2.07	-0.18	1.06
21	1.39	0.19	0.86	---	---	---	1.97	0.10	1.06	2.04	0.36	1.20
22	0.30	-1.99	-1.03	---	---	---	2.38	-0.05	1.26	1.76	0.32	1.15
23	1.67	-1.16	0.63	---	---	---	2.45	-0.16	1.22	1.74	0.94	1.33
24	1.48	-0.39	0.62	---	---	---	2.10	0.68	1.41	1.76	0.84	1.30
25	1.84	-0.49	0.82	---	---	---	1.39	0.37	1.02	1.16	0.72	0.89
26	1.73	-0.16	0.86	---	---	---	1.87	0.67	1.34	1.18	-0.04	0.79
27	1.78	-0.58	0.66	---	---	---	1.79	1.19	1.51	1.65	0.49	1.16
28	2.27	0.15	1.05	---	---	---	1.53	0.99	1.25	1.63	0.07	1.02
29	---	---	---	---	---	---	1.64	1.09	1.38	1.29	-0.64	0.48
30	---	---	---	---	---	---	1.88	0.73	1.45	1.10	-0.74	0.27
31	---	---	---	---	---	---	---	---	---	1.07	-1.15	0.13
MONTH	2.27	-1.99	0.43	---	---	---	---	---	---	2.29	-1.15	1.00
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.20	-1.09	0.22	1.89	-0.03	0.84	1.30	-0.31	0.64	2.91	1.59	2.20
2	1.68	-0.72	0.63	2.09	-0.06	1.21	1.18	-0.03	0.69	2.80	1.27	2.05
3	1.77	-0.72	0.56	1.82	-0.11	1.05	1.03	0.57	0.80	2.79	1.29	2.04
4	2.14	-0.41	1.03	1.79	0.14	1.02	1.12	0.54	0.80	2.85	1.12	2.04
5	2.38	0.30	1.46	1.58	0.23	1.07	1.31	0.05	0.69	3.08	1.05	2.13
6	2.07	0.28	1.14	1.59	0.66	1.34	1.71	-0.38	0.68	3.08	0.97	2.17
7	1.47	0.11	0.89	1.89	1.08	1.45	1.34	-0.56	0.51	2.91	1.34	2.11
8	1.23	0.37	0.88	1.72	0.70	1.25	2.16	-0.12	1.12	2.79	1.33	2.08
9	1.17	0.37	0.69	1.79	0.26	1.09	2.34	0.05	1.32	2.55	1.42	2.10
10	1.06	-0.22	0.54	1.66	-0.46	0.77	2.24	0.11	1.24	---	---	---
11	1.12	-0.54	0.43	1.90	-0.21	0.87	1.99	0.17	1.16	---	---	---
12	1.61	-0.63	0.64	2.11	-0.06	1.10	2.54	0.25	1.41	2.23	1.80	2.04
13	1.66	-0.68	0.73	2.58	-0.06	1.24	2.05	0.38	1.19	2.25	1.53	1.84
14	2.14	-0.69	0.88	2.69	0.15	1.69	2.22	0.64	1.54	2.15	1.21	1.78
15	2.10	-0.68	0.89	2.36	0.39	1.52	3.12	0.75	2.23	2.27	1.57	1.88
16	2.03	-0.44	0.92	2.20	0.37	1.25	1.95	1.29	1.68	2.63	1.67	2.10
17	2.46	-0.32	1.20	2.10	0.44	1.15	1.76	1.07	1.43	2.33	1.22	1.80
18	2.01	0.04	1.09	1.65	0.64	1.18	1.71	1.01	1.33	2.39	1.39	1.84
19	1.76	0.27	0.98	1.07	0.64	0.87	1.77	0.74	1.22	2.31	0.76	1.58
20	1.31	0.17	0.80	1.11	0.53	0.86	1.76	0.78	1.32	2.19	1.15	1.72
21	1.14	0.32	0.78	0.89	-0.22	0.48	2.18	1.24	1.70	2.81	1.04	2.08
22	1.12	0.42	0.82	1.06	-0.51	0.30	2.70	1.27	2.04	2.74	0.98	1.93
23	1.25	0.43	0.86	0.83	-0.57	0.26	2.77	1.19	2.02	2.93	1.16	2.15
24	1.51	0.45	1.05	1.63	0.00	0.74	2.88	1.07	2.06	2.96	1.41	2.25
25	1.99	0.81	1.46	1.86	0.07	1.08	2.83	0.73	1.92	3.01	1.75	2.38
26	1.82	0.35	1.28	1.96	0.12	1.19	2.37	0.66	1.61	2.74	2.12	2.44
27	1.96	0.09	1.14	1.98	0.15	1.17	2.63	0.81	1.76	2.49	1.56	2.09
28	2.62	0.57	1.65	2.12	-0.15	1.12	2.40	1.01	1.78	2.36	1.67	1.88
29	2.59	0.70	1.72	1.97	-0.13	0.95	2.77	1.39	2.24	2.79	1.71	2.23
30	4.65	0.43	2.61	1.82	-0.02	1.05	2.89	2.07	2.37	3.19	1.84	2.42
31	---	---	---	1.49	-0.35	0.74	3.11	2.02	2.56	---	---	---
MONTH	4.65	-1.09	1.00	2.69	-0.57	1.03	3.12	-0.56	1.45	---	---	---

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.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: June 1992 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 2, Dec. 14, Jan. 31-Feb. 2, Mar. 13-14, and Apr. 18-22 when records good; Feb. 3-Mar.

11, Mar. 15-16 when records fair; Mar. 17-20 when records poor.

SALINITY: Records excellent except for Oct. 2, Dec. 14, Jan. 31-Feb. 2, Mar. 13-14, and Apr. 18-22 when records good; Feb. 3-Mar. 11, Mar. 15-16 when records fair; Mar. 17-20 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 44,600 microsiemens, Oct. 8, 1999; minimum, 291 microsiemens, Mar. 3, 1994.

SALINITY: Maximum, 20.4 ppt, Feb. 14,15, 2003; minimum, 0.9 ppt, April 10, 2003.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 32,600 microsiemens/cm, Feb. 14, 15; minimum, 1,710 microsiemens/cm, Apr. 10.

SALINITY: Maximum, 20.4 ppt, Feb. 14, 15; minimum, 0.9 ppt, Apr. 10.

WATER TEMPERATURE: Maximum, 31.7°C, Aug. 26; minimum, 7.5°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

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

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	25,900	20,400	23,800	22,800	19,500	21,000	---	---	---	13,800	12,600	13,400
2	25,700	18,800	21,500	22,000	14,400	17,400	8,950	5,560	6,940	13,200	11,000	12,600
3	26,000	19,900	22,300	26,600	19,500	23,300	9,140	6,280	8,170	12,200	10,500	11,500
4	24,200	18,800	20,800	26,800	24,500	25,700	12,300	8,180	10,500	13,500	10,300	11,700
5	28,100	24,200	26,300	25,200	20,700	23,800	13,000	9,300	11,600	14,300	10,800	13,100
6	29,500	24,800	28,000	22,500	18,100	21,300	12,700	8,950	10,800	13,000	9,560	11,800
7	29,000	21,600	24,400	25,200	19,800	23,000	10,400	8,550	9,630	15,700	9,560	12,500
8	30,100	25,100	28,400	22,700	19,300	21,100	9,680	6,360	7,620	16,800	10,500	13,600
9	31,200	27,400	29,500	23,600	19,800	21,800	6,480	2,840	4,040	20,700	13,300	17,200
10	29,000	18,000	24,400	23,300	17,700	22,000	2,840	1,710	2,280	22,100	17,800	20,200
11	29,800	24,400	27,800	23,800	17,100	21,200	3,910	2,200	3,170	22,000	12,300	17,500
12	29,500	23,000	27,700	24,600	21,400	23,000	5,760	3,390	4,010	20,000	15,000	17,800
13	31,400	24,800	28,300	24,500	19,600	22,200	6,540	4,870	5,730	19,400	17,400	18,300
14	32,600	25,800	28,700	23,700	15,100	19,700	11,400	6,440	8,840	19,200	14,600	17,700
15	32,600	28,200	30,200	23,800	16,100	20,800	12,800	9,280	11,200	18,500	13,200	16,500
16	31,800	23,100	26,300	27,900	20,500	24,700	13,500	8,840	11,600	18,000	13,200	15,800
17	27,500	16,600	21,900	28,000	21,300	25,200	11,200	7,660	9,340	20,700	12,900	17,600
18	28,600	22,200	25,600	28,200	23,200	26,000	13,200	7,470	10,500	17,500	8,650	12,500
19	28,500	26,100	27,400	28,000	23,100	26,300	13,800	9,160	12,000	10,200	8,140	8,960
20	28,200	25,200	27,100	27,500	20,700	24,900	14,800	9,700	12,200	10,700	9,240	9,980
21	31,600	27,500	29,700	---	---	---	15,000	11,500	13,000	12,300	10,000	10,800
22	27,600	7,930	16,100	---	---	---	16,100	10,600	13,600	17,200	10,600	13,700
23	22,600	7,980	18,600	---	---	---	17,400	10,600	14,200	20,700	15,700	18,900
24	21,500	16,000	18,900	---	---	---	17,100	12,200	14,500	21,000	17,100	19,100
25	22,600	13,900	18,900	---	---	---	12,200	9,360	10,400	19,900	16,500	18,000
26	23,200	18,100	20,800	---	---	---	14,500	9,150	11,400	18,900	15,500	17,200
27	23,000	14,600	18,700	---	---	---	14,200	13,000	13,900	20,000	16,600	18,600
28	22,500	15,800	19,100	---	---	---	14,200	11,900	12,900	20,900	17,600	19,400
29	---	---	---	---	---	---	13,700	12,700	13,200	19,400	13,000	17,400
30	---	---	---	---	---	---	14,300	12,600	13,700	18,100	13,000	16,200
31	---	---	---	---	---	---	---	---	---	17,900	11,900	15,100
MONTH	32,600	7,930	24,300	---	---	---	---	---	---	22,100	8,140	15,300
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17,600	11,300	15,000	15,500	9,030	11,600	10,600	8,050	8,980	28,000	27,200	27,600
2	17,300	13,900	15,400	13,700	9,110	11,300	9,630	7,740	8,560	27,700	26,100	27,100
3	---	---	---	11,100	8,440	9,690	18,400	8,160	12,600	27,100	25,200	26,300
4	---	---	---	10,400	7,550	9,030	19,800	14,800	18,600	26,800	24,400	25,800
5	19,100	16,500	17,800	9,600	7,300	8,410	19,800	9,790	15,900	27,000	24,100	25,900
6	19,400	15,700	18,400	8,770	7,460	8,200	26,900	10,800	21,100	27,400	24,500	26,200
7	17,100	13,800	15,500	9,650	8,730	9,080	26,900	10,400	17,300	27,500	24,600	26,300
8	15,900	12,500	14,500	9,300	7,420	8,690	30,000	14,100	24,100	27,400	25,800	26,700
9	14,900	12,100	13,200	9,300	6,520	8,250	28,700	20,600	25,600	27,100	26,200	26,600
10	14,200	10,300	12,300	8,490	5,050	7,370	30,000	20,600	25,700	---	---	---
11	13,800	9,310	12,000	8,640	5,090	7,270	29,000	22,700	24,800	---	---	---
12	14,300	9,960	12,700	9,450	6,060	7,870	28,700	22,600	25,700	26,500	26,000	26,200
13	13,900	9,330	12,600	11,600	6,370	8,490	25,100	22,800	24,100	26,000	25,500	25,800
14	15,400	9,240	12,200	12,800	7,490	10,200	23,500	22,200	22,900	26,000	25,300	25,500
15	15,000	9,730	12,600	11,600	9,350	10,300	---	---	---	25,600	25,100	25,400
16	15,900	10,200	12,900	10,300	8,520	9,580	---	---	---	26,000	25,100	25,700
17	16,600	10,700	13,900	10,100	6,980	8,510	---	---	---	26,100	25,000	25,500
18	16,700	11,400	14,000	9,400	6,720	8,170	---	---	---	25,600	24,400	25,000
19	14,800	12,400	13,600	7,190	6,470	6,820	---	---	---	25,000	23,700	24,500
20	13,500	11,300	12,500	7,060	5,860	6,530	---	---	---	24,500	23,600	24,000
21	12,200	10,700	11,600	6,190	4,470	5,420	29,000	24,400	27,000	23,800	21,300	22,700
22	12,100	10,200	11,400	6,240	4,310	5,120	30,200	24,900	28,100	23,600	21,700	22,500
23	11,900	10,600	11,300	6,720	4,000	5,200	30,300	26,400	28,400	23,300	21,800	22,300
24	13,200	10,400	11,800	8,630	4,010	6,580	30,000	26,100	28,300	22,900	21,900	22,400
25	17,600	11,400	14,800	13,600	5,800	11,000	30,100	26,500	28,300	22,700	20,700	22,100
26	17,200	11,400	14,800	13,300	8,650	11,200	28,700	25,800	27,500	21,900	20,500	21,400
27	16,900	10,500	13,500	13,300	9,380	11,200	29,000	25,800	27,300	22,600	21,200	21,900
28	18,100	11,400	14,600	13,900	8,400	11,200	27,800	26,200	27,000	23,300	21,300	22,500
29	17,800	13,400	15,900	12,700	8,210	10,500	28,600	26,600	27,600	21,700	19,100	20,300
30	22,600	9,820	16,800	12,800	8,640	10,800	28,600	27,700	28,200	24,200	20,800	22,200
31	---	---	---	11,700	8,250	9,770	28,100	27,400	27,900	---	---	---
MONTH	---	---	---	15,500	4,000	8,820	---	---	---	---	---	---

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	---	---	---	---	---	---
2	15.7	10.0	12.4	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	13.9	4.9	9.6	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	18.4	13.2	16.4
30	---	---	---	---	---	---	---	---	---	18.1	10.9	14.9
31	---	---	---	---	---	---	---	---	---	16.2	14.2	15.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	15.8	12.1	14.4	13.7	11.6	12.6	---	---	---	7.9	7.2	7.7
2	15.7	11.1	12.9	13.2	8.3	10.2	5.0	3.0	3.8	7.6	6.2	7.2
3	15.9	11.8	13.4	16.3	11.6	14.1	5.1	3.4	4.5	7.0	6.0	6.5
4	14.7	11.1	12.5	16.4	14.8	15.7	7.0	4.5	5.9	7.8	5.8	6.7
5	17.3	14.7	16.1	15.3	12.4	14.4	7.5	5.2	6.6	8.3	6.1	7.5
6	18.2	15.0	17.2	13.5	10.7	12.8	7.3	5.0	6.1	7.5	5.4	6.7
7	17.9	13.0	14.8	15.3	11.8	13.9	5.9	4.8	5.4	9.1	5.4	7.2
8	18.7	15.3	17.5	13.7	11.5	12.6	5.4	3.5	4.2	9.9	6.0	7.8
9	19.4	16.8	18.2	14.3	11.8	13.1	3.5	1.5	2.1	12.4	7.6	10.1
10	17.9	10.6	14.8	14.1	10.4	13.2	1.5	0.9	1.2	13.3	10.5	12.1
11	18.4	14.8	17.1	14.4	10.1	12.7	2.1	1.1	1.7	13.2	7.0	10.3
12	18.2	13.9	17.0	14.9	12.9	13.9	3.1	1.8	2.1	11.9	8.7	10.5
13	19.5	15.0	17.4	14.8	11.7	13.4	3.6	2.6	3.1	11.5	10.2	10.8
14	20.4	15.8	17.7	14.4	8.8	11.8	6.5	3.5	4.9	11.4	8.5	10.4
15	20.4	17.4	18.7	14.4	9.4	12.5	7.4	5.2	6.3	10.9	7.6	9.7
16	19.8	13.9	16.1	17.2	12.2	15.0	7.8	4.9	6.6	10.6	7.6	9.2
17	16.9	9.7	13.1	17.2	12.8	15.3	6.3	4.2	5.2	12.4	7.4	10.4
18	17.6	13.3	15.6	17.4	14.0	15.8	7.6	4.1	6.0	10.3	4.8	7.2
19	17.5	15.9	16.8	17.2	13.9	16.1	7.9	5.1	6.8	5.8	4.5	5.0
20	17.4	15.3	16.6	16.9	12.4	15.1	8.6	5.4	7.0	6.1	5.2	5.6
21	19.6	16.9	18.3	---	---	---	8.7	6.5	7.5	7.0	5.6	6.1
22	16.9	4.4	9.5	---	---	---	9.4	6.0	7.8	10.1	6.0	7.9
23	13.6	4.4	11.1	---	---	---	10.2	6.0	8.2	12.4	9.1	11.2
24	12.9	9.3	11.2	---	---	---	10.1	7.0	8.4	12.6	10.1	11.3
25	13.6	8.0	11.2	---	---	---	7.0	5.2	5.9	11.8	9.7	10.7
26	14.0	10.7	12.4	---	---	---	8.4	5.1	6.5	11.2	9.0	10.1
27	13.9	8.5	11.1	---	---	---	8.2	7.5	8.0	11.9	9.7	11.0
28	13.5	9.2	11.4	---	---	---	8.2	6.8	7.4	12.5	10.4	11.5
29	---	---	---	---	---	---	7.9	7.3	7.6	11.5	7.5	10.2
30	---	---	---	---	---	---	8.3	7.2	7.9	10.7	7.5	9.4
31	---	---	---	---	---	---	---	---	---	10.5	6.8	8.8
MONTH	20.4	4.4	14.8	---	---	---	---	---	---	13.3	4.5	8.9

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.4	6.4	8.8	9.0	5.0	6.6	6.0	4.5	5.0	17.2	16.6	17.0
2	10.2	8.0	9.0	7.9	5.1	6.4	5.4	4.3	4.8	17.0	15.9	16.6
3	---	---	---	6.3	4.7	5.4	10.9	4.5	7.2	16.6	15.3	16.1
4	---	---	---	5.9	4.2	5.0	11.8	8.6	11.0	16.4	14.8	15.8
5	11.4	9.7	10.5	5.4	4.0	4.7	11.8	5.5	9.3	16.5	14.6	15.8
6	11.5	9.1	10.9	4.9	4.1	4.5	16.4	6.1	12.6	16.8	14.8	16.0
7	10.1	7.9	9.1	5.4	4.9	5.1	16.4	5.9	10.2	16.9	14.9	16.1
8	9.3	7.2	8.4	5.2	4.1	4.8	18.6	8.1	14.6	16.8	15.8	16.3
9	8.7	6.9	7.6	5.2	3.6	4.6	17.7	12.3	15.6	16.6	16.0	16.2
10	8.2	5.8	7.0	4.7	2.7	4.1	18.6	12.3	15.7	---	---	---
11	7.9	5.2	6.8	4.8	2.7	4.0	17.9	13.7	15.1	---	---	---
12	8.3	5.6	7.3	5.3	3.3	4.3	17.7	13.6	15.6	16.2	15.9	16.0
13	8.0	5.2	7.2	6.6	3.5	4.7	15.3	13.7	14.6	15.9	15.5	15.7
14	9.0	5.2	7.0	7.4	4.1	5.8	14.2	13.3	13.8	15.9	15.4	15.6
15	8.7	5.5	7.2	6.6	5.2	5.8	---	---	---	15.6	15.3	15.5
16	9.3	5.8	7.4	5.8	4.7	5.4	---	---	---	15.9	15.3	15.7
17	9.7	6.1	8.0	5.7	3.8	4.7	---	---	---	15.9	15.2	15.6
18	9.8	6.5	8.1	5.3	3.7	4.5	---	---	---	15.6	14.8	15.2
19	8.6	7.1	7.8	3.9	3.5	3.7	---	---	---	15.2	14.4	14.9
20	7.8	6.4	7.2	3.9	3.2	3.6	---	---	---	14.8	14.3	14.6
21	7.0	6.1	6.6	3.4	2.4	2.9	17.9	14.8	16.6	14.4	12.8	13.7
22	6.9	5.8	6.5	3.4	2.3	2.7	18.7	15.1	17.3	14.3	13.0	13.5
23	6.8	6.0	6.4	3.7	2.1	2.8	18.8	16.1	17.5	14.1	13.1	13.4
24	7.6	5.9	6.7	4.8	2.1	3.6	18.6	15.9	17.4	13.8	13.2	13.4
25	10.4	6.5	8.6	7.8	3.1	6.3	18.7	16.2	17.4	13.7	12.4	13.3
26	10.1	6.5	8.6	7.6	4.8	6.4	17.7	15.8	16.9	13.2	12.2	12.8
27	9.9	6.0	7.8	7.6	5.2	6.3	17.9	15.8	16.7	13.6	12.7	13.2
28	10.7	6.5	8.5	8.0	4.7	6.4	17.1	16.0	16.5	14.1	12.8	13.5
29	10.5	7.7	9.3	7.3	4.5	5.9	17.6	16.3	17.0	13.0	11.4	12.1
30	13.6	5.5	9.9	7.4	4.8	6.1	17.6	17.0	17.4	14.7	12.4	13.4
31	---	---	---	6.6	4.6	5.5	17.3	16.8	17.1	---	---	---
MONTH	---	---	---	9.0	2.1	4.9	---	---	---	---	---	---

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

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	22.9	21.4	22.1	15.1	14.3	14.5	14.8	14.0	14.3
2	28.5	27.7	28.0	21.4	20.1	20.6	14.4	13.9	14.1	14.8	13.4	14.2
3	27.8	26.8	27.3	20.1	19.7	19.9	14.8	14.2	14.5	13.4	11.8	12.3
4	27.6	26.6	27.1	20.5	20.1	20.2	15.7	14.8	15.2	12.1	11.0	11.5
5	28.5	27.5	27.8	20.9	20.5	20.7	15.8	14.8	15.4	12.6	11.3	11.9
6	29.1	28.1	28.4	20.9	19.6	20.2	14.8	13.5	14.0	12.9	12.1	12.6
7	29.3	28.6	28.9	19.6	18.6	18.9	13.5	12.7	13.0	12.7	11.6	12.1
8	29.1	28.5	28.8	19.1	18.5	18.8	12.9	12.5	12.7	12.1	11.4	11.8
9	28.8	28.2	28.5	19.9	19.0	19.4	12.7	12.5	12.6	13.1	11.5	12.2
10	28.3	27.5	27.8	21.3	19.8	20.5	12.7	12.5	12.6	13.8	13.0	13.4
11	27.9	27.1	27.5	22.0	21.3	21.7	12.5	10.9	12.0	13.1	11.0	11.9
12	28.0	27.3	27.7	22.0	20.4	21.3	12.0	11.2	11.6	11.0	10.1	10.4
13	28.0	26.4	27.3	20.4	18.6	19.2	13.0	11.8	12.3	9.7	8.9	9.3
14	26.4	24.4	25.4	18.6	18.0	18.3	12.7	11.8	12.3	9.9	9.1	9.5
15	24.4	23.3	23.9	18.8	18.2	18.4	12.9	12.4	12.6	10.1	9.2	9.6
16	23.3	22.4	22.7	18.8	16.9	18.0	13.4	12.5	12.9	10.5	9.8	10.2
17	22.8	21.6	22.0	16.9	15.9	16.1	14.1	13.1	13.6	10.2	8.9	9.3
18	22.6	21.9	22.2	16.1	15.7	15.9	14.7	13.7	14.2	8.6	7.9	8.3
19	22.8	22.5	22.6	16.5	15.8	16.1	15.9	14.6	15.2	9.3	7.9	8.6
20	23.2	22.8	23.0	16.8	16.3	16.6	16.4	15.2	15.7	10.5	8.8	9.6
21	24.0	23.2	23.6	17.3	16.6	16.9	15.4	14.5	15.0	12.0	10.2	11.0
22	24.7	23.9	24.3	17.1	16.5	16.8	16.8	15.0	15.8	12.9	11.7	12.2
23	24.7	24.2	24.4	16.5	15.7	16.0	16.4	15.9	16.2	12.7	9.2	11.3
24	24.6	24.1	24.4	16.2	15.6	15.9	18.3	16.3	17.2	9.2	7.9	8.4
25	24.5	24.1	24.3	16.9	16.1	16.4	17.1	14.2	15.2	8.4	7.5	8.0
26	24.5	24.2	24.3	17.4	16.7	17.0	14.2	12.7	13.2	8.3	8.0	8.2
27	25.1	24.2	24.5	17.4	16.3	16.9	12.8	12.6	12.7	9.0	8.2	8.6
28	26.0	24.9	25.4	16.3	15.2	15.6	13.0	12.4	12.7	9.9	8.9	9.4
29	25.8	24.8	25.3	15.2	14.6	14.8	13.6	12.8	13.1	11.1	9.7	10.4
30	24.8	24.4	24.6	15.1	14.8	14.9	14.5	13.3	13.9	12.4	11.1	11.8
31	24.5	22.9	23.6	---	---	---	15.1	14.4	14.8	13.1	11.8	12.5
MONTH	---	---	---	22.9	14.6	18.1	18.3	10.9	13.9	14.8	7.5	10.8
FEBRUARY			MARCH			APRIL			MAY			
1	13.9	12.2	13.0	15.8	15.6	15.7	17.2	14.9	16.0	27.3	25.4	26.2
2	14.9	12.7	13.8	16.3	15.3	15.8	18.3	16.4	17.4	28.0	26.1	27.0
3	15.6	13.6	14.6	15.7	14.6	15.1	19.3	17.6	18.4	28.7	26.8	27.6
4	15.7	14.5	15.2	15.0	14.5	14.8	21.6	19.0	20.0	28.9	27.1	27.9
5	14.5	13.2	13.7	16.2	15.0	15.3	23.0	20.3	21.4	28.1	27.0	27.6
6	13.6	12.9	13.2	17.3	15.5	16.2	23.7	22.4	23.1	28.1	26.8	27.5
7	13.6	11.2	12.5	18.0	16.6	17.3	24.1	23.1	23.6	28.3	26.9	27.6
8	11.2	10.1	10.8	18.3	17.7	18.0	23.3	21.4	22.6	28.8	27.2	27.9
9	11.2	10.6	10.9	19.8	18.0	18.6	21.4	15.2	18.4	29.2	27.4	28.1
10	12.7	11.2	11.9	20.1	18.7	19.5	15.2	12.8	14.3	29.0	27.6	28.3
11	13.0	12.1	12.5	20.2	19.4	19.8	15.7	14.2	15.1	29.0	27.4	28.2
12	14.3	12.7	13.6	20.5	19.5	20.0	17.0	15.2	16.0	28.5	27.5	28.0
13	14.9	14.1	14.5	21.5	20.2	20.7	18.5	16.8	17.5	28.0	26.6	27.7
14	16.2	14.7	15.5	21.9	20.6	21.1	19.6	18.1	18.9	27.9	26.1	26.9
15	17.0	15.7	16.5	22.5	21.1	21.6	22.6	19.6	20.9	28.2	27.0	27.5
16	17.6	16.1	17.1	21.7	21.0	21.4	23.2	21.3	22.1	28.8	27.0	27.8
17	16.1	13.7	14.7	21.9	20.7	21.2	23.9	22.2	23.0	28.7	27.5	28.0
18	14.3	12.9	13.5	22.2	21.4	21.8	24.8	23.1	23.8	27.9	27.1	27.5
19	14.9	13.4	14.1	22.7	21.5	22.0	24.8	23.9	24.4	27.3	26.7	27.0
20	15.6	14.6	15.1	22.6	21.7	22.4	25.1	23.7	24.4	27.4	26.5	27.0
21	16.2	15.6	15.8	21.9	20.8	21.2	25.5	24.4	24.9	27.1	26.6	26.8
22	16.9	14.9	16.3	21.4	20.1	20.7	25.5	24.4	24.8	26.7	25.8	26.3
23	16.1	14.4	15.4	22.0	20.5	21.1	24.7	23.6	24.2	27.1	25.0	26.0
24	16.9	15.4	16.1	22.4	20.7	21.5	24.4	23.4	23.9	27.3	26.0	26.8
25	16.9	16.2	16.6	22.0	20.9	21.4	25.5	23.8	24.6	28.7	26.4	27.4
26	16.8	16.2	16.5	22.0	20.9	21.5	25.2	23.8	24.4	29.0	27.0	27.7
27	16.7	16.2	16.5	22.6	21.0	21.8	25.1	23.2	23.8	28.1	26.8	27.5
28	16.2	15.7	15.8	23.4	21.9	22.6	26.0	24.1	25.0	27.4	26.0	26.6
29	---	---	---	23.0	21.1	22.4	26.3	24.5	25.4	27.5	25.6	26.4
30	---	---	---	18.6	15.6	16.7	26.5	25.0	25.7	27.5	25.4	26.3
31	---	---	---	16.0	15.0	15.7	---	---	---	27.7	25.9	26.8
MONTH	17.6	10.1	14.5	23.4	14.5	19.5	26.5	12.8	21.6	29.2	25.0	27.3

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

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.8	26.3	27.1	26.2	25.3	25.7	30.2	29.3	29.8	29.3	27.8	28.3
2	28.9	27.5	28.1	27.6	25.8	26.6	29.3	28.5	29.0	30.6	28.6	29.3
3	---	---	---	27.9	26.6	27.3	29.0	28.2	28.6	30.8	29.5	30.2
4	---	---	---	27.6	26.7	27.1	29.4	29.0	29.1	31.3	29.8	30.4
5	28.4	27.4	27.9	27.0	26.3	26.6	31.3	29.3	29.9	30.5	29.0	29.6
6	27.8	26.7	27.1	28.1	26.1	26.7	30.2	29.8	29.9	29.7	28.3	28.9
7	28.1	26.2	27.2	28.1	27.2	27.6	29.9	29.1	29.4	29.8	28.6	29.1
8	29.1	27.3	27.9	27.9	26.9	27.4	30.0	28.7	29.2	30.2	28.6	29.2
9	30.4	27.8	28.9	29.6	27.6	28.3	30.8	29.4	29.9	29.4	28.6	28.9
10	30.8	29.1	29.9	30.5	28.9	29.6	31.3	29.8	30.3	---	---	---
11	29.9	28.6	29.3	30.4	29.1	29.7	30.5	29.6	30.1	---	---	---
12	29.6	28.5	29.0	30.9	29.3	29.8	29.6	28.0	28.9	28.5	27.1	27.8
13	29.7	28.3	28.9	29.8	28.9	29.4	28.0	26.9	27.5	29.0	27.3	27.9
14	30.5	28.5	29.4	28.9	27.8	28.3	28.9	26.6	27.6	29.4	28.1	28.7
15	30.8	28.9	29.7	29.3	27.4	28.3	29.2	28.0	28.6	29.3	28.2	28.8
16	30.6	29.0	29.8	30.5	28.6	29.4	29.9	28.5	29.0	28.4	27.1	27.8
17	29.9	28.5	29.1	30.5	29.0	29.7	29.9	29.6	29.8	28.2	26.7	27.5
18	29.9	28.0	28.8	30.6	28.6	29.2	30.0	29.5	29.7	28.7	27.5	28.1
19	29.4	28.6	29.0	30.8	28.5	29.6	30.3	29.8	30.0	29.1	27.8	28.4
20	29.0	28.1	28.5	29.9	29.1	29.5	30.3	30.0	30.1	28.7	27.5	28.2
21	28.7	28.1	28.4	30.5	28.7	29.5	30.9	29.8	30.2	27.8	27.2	27.5
22	30.2	27.9	28.8	30.4	28.8	29.5	30.2	29.3	29.6	27.5	26.6	27.1
23	31.0	29.1	29.9	29.5	28.3	29.0	30.1	28.9	29.5	27.2	26.1	26.6
24	31.6	30.1	30.8	29.0	27.9	28.4	30.9	29.7	30.2	27.4	26.3	26.8
25	31.2	29.8	30.5	30.4	28.2	28.9	31.1	29.8	30.3	27.6	26.4	26.9
26	31.1	29.7	30.1	31.0	29.0	29.7	31.7	30.0	30.7	27.5	26.4	27.0
27	30.5	29.3	30.0	31.2	29.6	30.3	31.4	30.4	30.8	28.5	27.0	27.8
28	29.3	28.6	29.0	31.3	30.0	30.5	30.9	29.8	30.3	28.2	25.8	27.1
29	29.1	28.3	28.6	31.0	29.7	30.3	30.2	29.4	29.8	25.8	22.7	23.9
30	28.4	26.0	27.1	31.0	29.7	30.2	29.7	28.7	29.2	22.7	21.6	22.1
31	---	---	---	31.0	29.5	30.2	29.0	28.0	28.4	---	---	---
MONTH	---	---	---	31.3	25.3	28.8	31.7	26.6	29.5	---	---	---

07374527 NORTHEAST BAY GARDENE NEAR POINTE A LA HACHE, LA

DRAINAGE AREA.--Indeterminate.

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

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1995, datum of gage was 8.1 ft below NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 8.80 ft, Sept. 27, 1998; minimum recorded, -2.64 ft, Mar. 19, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.05 ft, Oct. 3; minimum gage height, -1.47 ft, Jan. 19.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.34	1.57	1.97	2.23	1.01	1.80	0.99	0.17	0.63	1.61	-1.19	0.01
2	4.77	2.19	3.12	2.12	1.47	1.86	1.15	-0.58	0.31	1.59	-0.74	-0.04
3	7.05	1.71	4.51	1.84	1.15	1.59	1.65	-0.73	0.40	0.96	-1.23	-0.42
4	2.34	0.90	1.88	2.67	0.34	1.45	1.78	-0.38	0.70	1.05	-0.90	0.08
5	2.04	0.95	1.63	2.67	0.87	1.56	1.78	-0.77	0.42	0.91	-1.03	-0.06
6	1.75	1.02	1.42	1.92	-0.79	0.36	1.75	-0.59	0.48	0.92	-0.33	0.22
7	1.96	0.70	1.46	1.96	-0.12	0.87	1.47	-0.80	0.29	1.20	-0.49	0.24
8	2.35	1.26	1.85	1.72	-0.42	0.71	1.24	-0.47	0.33	-0.04	-0.55	-0.28
9	2.50	0.88	1.81	1.93	0.09	1.00	2.19	0.45	1.13	0.45	-0.19	0.01
10	2.78	0.78	1.80	2.13	0.11	1.11	2.68	0.21	1.38	0.69	0.09	0.36
11	2.66	0.59	1.64	1.81	0.26	1.04	1.17	0.06	0.59	0.71	0.34	0.54
12	2.62	0.55	1.60	2.65	0.19	1.31	2.02	0.23	0.60	0.90	0.24	0.58
13	2.31	1.02	1.74	1.36	0.22	0.82	1.97	-1.07	-0.13	0.84	0.08	0.48
14	2.85	1.34	2.17	1.06	0.54	0.79	0.10	-1.23	-0.52	0.89	-0.61	0.15
15	2.45	0.87	1.82	1.22	0.99	1.07	0.39	-0.76	-0.17	0.95	-0.30	0.32
16	2.20	1.06	1.72	1.30	0.37	0.84	0.50	-0.91	-0.12	0.94	-0.58	0.22
17	1.93	0.89	1.51	0.42	-0.28	0.05	1.20	-0.83	0.14	1.04	-1.25	-0.36
18	1.97	1.10	1.62	0.62	-0.66	-0.01	1.39	-0.53	0.45	1.05	-0.91	-0.04
19	1.72	1.25	1.48	1.13	-0.89	0.09	1.39	-0.11	0.69	0.94	-1.47	-0.44
20	1.89	1.17	1.58	1.79	-0.58	0.56	1.05	-1.13	-0.21	1.02	-1.16	-0.16
21	2.07	0.87	1.64	1.79	-0.42	0.65	0.99	-0.87	0.06	0.90	-0.66	0.16
22	2.18	0.98	1.68	1.49	-0.03	0.56	1.07	-0.98	0.05	0.94	-0.24	0.42
23	2.32	0.97	1.71	1.37	-0.48	0.43	1.79	-0.08	0.77	0.55	-0.02	0.17
24	2.45	1.06	1.72	1.27	-0.50	0.41	1.86	-0.83	0.33	0.46	-0.38	0.16
25	2.65	0.85	1.75	1.50	-0.34	0.63	0.13	-0.83	-0.52	0.66	-0.61	0.06
26	2.33	0.55	1.54	1.45	-0.23	0.64	0.40	-0.31	0.12	1.18	-0.51	0.39
27	2.56	0.61	1.55	1.29	0.14	0.76	0.23	-0.16	0.01	0.97	-0.58	0.25
28	2.29	0.30	1.30	1.37	-0.02	0.73	0.33	-0.53	-0.10	1.27	-0.76	0.33
29	2.07	0.57	1.44	0.66	0.03	0.40	0.65	-0.79	0.01	1.39	-0.78	0.37
30	1.79	0.92	1.48	0.66	-0.11	0.22	1.58	-0.50	0.48	1.65	-0.84	0.38
31	2.31	1.25	1.88	---	---	---	1.43	0.16	0.66	1.65	-0.61	0.40
MONTH	7.05	0.30	1.81	2.67	-0.89	0.81	2.68	-1.23	0.30	1.65	-1.47	0.15

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

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.01	-0.60	0.25	2.07	0.58	1.22	0.23	-0.36	-0.10	1.92	0.33	1.28
2	1.14	-0.74	0.22	1.61	0.18	0.86	0.93	-0.05	0.48	1.51	0.02	0.97
3	1.27	-0.23	0.59	2.55	1.29	1.72	1.09	0.34	0.74	1.58	0.01	0.88
4	1.10	-0.15	0.44	2.57	1.15	1.62	1.50	0.38	1.01	1.80	-0.01	1.00
5	1.10	0.74	0.91	1.47	0.83	1.16	1.55	0.61	1.15	2.07	0.16	1.18
6	1.12	0.47	0.88	1.52	0.83	1.15	2.08	0.62	1.42	2.05	0.28	1.25
7	0.69	0.36	0.50	1.91	0.69	1.61	1.69	0.55	1.21	1.86	0.40	1.18
8	0.95	0.37	0.60	1.64	0.59	1.15	2.89	0.91	1.80	2.00	0.28	1.20
9	1.25	0.02	0.67	1.47	0.61	1.05	1.04	-0.35	0.37	1.59	0.45	1.13
10	0.91	-0.29	0.32	1.71	0.28	1.05	0.51	-0.86	-0.09	1.43	0.60	1.08
11	1.32	-0.13	0.54	1.80	0.03	0.98	1.25	-0.51	0.37	0.98	0.49	0.68
12	0.90	-0.38	0.35	1.61	0.34	1.03	1.40	-0.69	0.39	1.67	0.66	1.01
13	1.32	-0.38	0.54	1.70	0.13	0.90	1.05	-0.30	0.49	1.54	0.69	1.04
14	1.85	-0.44	0.60	1.64	-0.09	0.88	0.88	-0.05	0.52	1.21	-0.06	0.76
15	1.85	0.05	1.03	1.56	0.06	0.92	1.12	0.29	0.71	1.53	-0.44	0.76
16	1.85	-0.07	0.74	2.40	0.58	1.47	1.50	0.20	1.03	1.67	-0.44	0.77
17	1.01	-0.56	0.16	2.26	0.57	1.22	1.45	-0.14	0.84	1.83	-0.58	0.76
18	1.15	-0.35	0.38	2.02	0.90	1.59	2.07	-0.14	1.13	1.51	-0.71	0.49
19	1.04	0.05	0.59	1.87	0.97	1.55	2.08	0.11	1.31	2.21	-0.61	0.91
20	1.13	0.32	0.74	1.54	0.40	1.23	2.23	0.40	1.25	1.96	-0.11	0.99
21	1.92	0.83	1.34	1.35	-0.14	0.77	1.88	0.16	1.06	1.87	0.30	1.10
22	1.21	-1.13	-0.20	1.73	-0.21	0.90	2.30	0.13	1.26	1.66	0.35	1.08
23	1.76	-0.84	0.78	1.53	-0.27	0.73	2.33	-0.12	1.13	1.58	0.94	1.25
24	1.46	-0.34	0.59	1.57	-0.32	0.64	1.85	0.56	1.24	1.59	0.73	1.17
25	1.88	-0.24	0.87	1.49	-0.42	0.57	1.31	0.21	0.86	1.04	0.60	0.79
26	2.00	0.08	1.06	1.82	-0.12	0.89	1.77	0.80	1.30	1.09	0.12	0.74
27	1.78	-0.24	0.88	2.12	0.74	1.48	1.72	1.03	1.38	1.63	0.52	1.14
28	2.07	0.15	0.99	1.88	0.60	1.27	1.37	0.83	1.12	1.49	-0.09	0.94
29	---	---	---	1.76	0.49	0.92	1.51	0.98	1.25	1.13	-0.72	0.39
30	---	---	---	1.10	-0.44	0.19	1.71	0.62	1.33	0.99	-0.79	0.18
31	---	---	---	0.21	-0.35	0.00	---	---	---	0.87	-1.15	0.02
MONTH	2.07	-1.13	0.62	2.57	-0.44	1.06	2.89	-0.86	0.93	2.21	-1.15	0.91
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.09	-1.15	0.12	1.96	0.08	0.99	1.22	-0.30	0.56	2.81	1.58	2.17
2	1.53	-0.77	0.52	2.20	0.24	1.34	1.02	-0.16	0.46	2.72	1.28	2.02
3	---	---	---	1.84	0.06	1.08	0.97	0.48	0.71	2.75	1.26	2.03
4	---	---	---	1.74	0.22	1.06	0.94	0.41	0.64	2.78	1.14	2.02
5	2.24	0.13	1.27	1.68	0.30	1.15	1.09	-0.17	0.50	3.10	1.10	2.15
6	1.86	0.35	0.85	1.70	0.79	1.42	1.43	-0.65	0.44	3.05	0.98	2.18
7	1.32	-0.06	0.72	1.97	1.22	1.58	1.01	-0.74	0.20	2.85	1.08	2.09
8	1.07	0.19	0.72	1.84	0.84	1.38	1.93	-0.30	0.89	2.69	1.34	2.06
9	1.03	0.22	0.55	1.90	0.39	1.25	2.10	-0.18	1.11	2.48	0.93	1.82
10	0.93	-0.35	0.41	1.77	-0.28	0.95	2.02	-0.18	1.03	2.47	0.93	1.83
11	0.98	-0.59	0.34	1.99	-0.19	1.01	1.78	-0.07	0.97	2.23	1.60	1.90
12	1.45	-0.64	0.55	2.22	0.08	1.27	2.34	0.06	1.23	2.23	1.82	2.04
13	1.57	-0.71	0.67	2.74	0.07	1.40	1.71	0.24	1.01	2.24	1.58	1.83
14	2.06	-0.71	0.83	2.88	0.38	1.85	2.07	0.47	1.38	2.12	1.21	1.78
15	2.06	-0.60	0.85	2.56	0.81	1.76	2.97	0.65	2.08	2.33	1.59	1.94
16	2.00	-0.41	0.88	2.06	0.57	1.31	1.75	1.06	1.49	2.69	1.69	2.16
17	2.44	-0.28	1.18	1.95	0.36	1.03	1.52	0.81	1.20	2.33	1.22	1.80
18	1.98	0.06	1.07	1.49	0.51	1.04	1.43	0.76	1.06	2.38	1.40	1.86
19	1.70	0.25	0.99	0.88	0.48	0.70	1.48	0.48	0.96	2.29	0.78	1.60
20	1.27	0.15	0.80	0.95	0.37	0.72	1.42	0.66	1.06	2.10	1.20	1.72
21	1.12	0.34	0.78	0.72	-0.32	0.35	2.00	1.13	1.56	2.78	1.05	2.09
22	1.20	0.45	0.86	0.83	-0.64	0.14	2.66	1.18	1.95	2.70	1.04	1.93
23	1.30	0.51	0.89	0.58	-0.69	0.07	2.62	1.11	1.92	2.98	1.19	2.18
24	1.55	0.54	1.09	1.38	-0.23	0.54	2.82	1.01	2.00	2.93	1.22	2.25
25	2.04	0.97	1.55	1.67	-0.04	0.92	2.75	0.66	1.86	2.97	1.68	2.35
26	1.83	0.43	1.39	1.79	0.01	1.06	2.27	0.59	1.54	2.81	2.15	2.45
27	2.03	0.23	1.24	1.84	0.03	1.04	2.54	0.59	1.67	2.49	1.56	2.11
28	2.73	0.41	1.71	1.93	-0.21	1.00	2.28	0.85	1.68	2.21	1.84	1.97
29	2.66	0.87	1.85	1.72	-0.26	0.78	2.73	1.33	2.14	3.00	1.81	2.35
30	4.37	0.87	2.75	1.65	-0.24	0.82	2.77	2.00	2.31	3.30	1.99	2.54
31	---	---	---	1.44	-0.34	0.61	2.97	1.98	2.48	---	---	---
MONTH	---	---	---	2.88	-0.69	1.02	2.97	-0.74	1.29	3.30	0.78	2.04

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1992 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: January 1992 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Nov. 10-Dec. 11, Jan. 4-28, Mar. 2-12, Mar. 31-Apr. 1, May 29-June 3, July 10-11, Aug. 2-20, and Sept. 7-30 when records good.

SALINITY: Records excellent except for Nov. 10-Dec. 11, Jan. 4-28, Mar. 2-12, Mar. 31-Apr. 1, May 29-June 3, July 10-11, Aug. 2-20, and Sept. 7-30 when records good.

WATER TEMPERATURE: Records good except for Oct. 17-Dec. 11 when records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 43,900 microsiemens/cm, Nov. 19, 2000; minimum, 1,300 microsiemens, Feb. 3, 1994.

SALINITY: Maximum, 20.4 ppt, Aug. 15, 2003; minimum, 1.0 ppt, Apr. 1, 10, 2003.

WATER TEMPERATURE: Maximum, 34.5 °C, July 17, 2002; minimum, 2.5° C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 32,700 microsiemens/cm, Aug. 15; minimum, 2,030 microsiemens/cm, Apr. 1.

SALINITY: Maximum, 20.4 ppt, Aug. 15; minimum, 1.0 ppt, Apr. 1, 10.

WATER TEMPERATURE: Maximum, 32.5°C, Aug. 4; minimum, 6.0°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12,800	11,500	12,100	17,700	15,000	16,100	14,800	12,700	13,500	14,200	6,180	8,950
2	17,700	11,900	14,200	17,700	15,200	16,400	14,800	12,100	13,300	15,100	8,260	10,700
3	22,500	14,600	17,900	16,900	15,000	16,200	15,900	11,500	13,200	10,700	5,470	7,350
4	16,700	12,500	15,000	18,200	13,200	15,600	17,500	13,200	14,700	13,300	7,500	10,000
5	14,800	11,600	12,800	19,500	15,400	16,900	17,700	11,400	13,600	13,100	8,370	10,200
6	12,500	10,600	11,600	15,900	8,630	11,700	15,900	10,800	13,000	12,300	10,300	11,300
7	11,800	9,910	11,000	15,600	11,300	13,200	13,800	11,800	12,800	13,900	10,900	11,800
8	12,000	10,500	11,300	13,900	10,700	12,500	13,600	12,600	13,100	11,500	8,150	9,180
9	12,400	10,600	11,600	15,800	12,000	13,500	19,200	13,000	15,100	10,600	8,390	9,300
10	14,100	10,900	12,000	17,000	11,900	13,900	21,900	15,700	19,300	11,700	9,460	10,800
11	12,200	10,100	11,300	16,300	11,600	13,900	19,300	13,100	16,100	15,700	11,700	13,600
12	12,000	9,590	10,900	16,600	12,400	14,200	18,200	14,400	15,300	17,600	12,900	15,300
13	11,700	10,000	10,900	13,400	10,300	11,500	18,700	10,700	14,900	17,700	12,800	15,000
14	12,800	10,100	11,200	11,700	11,200	11,500	13,100	8,590	10,300	16,300	10,800	12,900
15	11,600	10,300	11,000	13,800	11,500	12,000	13,100	9,540	11,300	17,000	11,900	13,400
16	14,900	9,840	11,400	13,900	10,100	12,000	13,600	9,660	11,200	17,000	11,000	12,900
17	13,200	10,600	11,900	11,000	10,000	10,500	15,600	9,940	11,900	12,800	5,650	8,400
18	14,700	11,800	13,000	13,100	9,230	10,700	16,400	11,900	13,500	16,100	9,340	11,700
19	15,600	12,400	13,300	14,900	8,750	11,500	17,100	12,800	14,400	11,300	4,870	8,230
20	22,100	12,900	17,300	17,200	10,800	13,400	15,000	9,360	11,400	15,200	7,210	9,920
21	21,600	13,200	17,900	19,200	11,800	14,800	12,800	9,890	11,400	12,800	7,800	10,200
22	18,600	16,600	17,500	16,200	12,300	13,500	13,300	9,500	11,400	14,800	10,500	12,600
23	18,200	16,900	17,500	16,000	12,100	13,600	15,100	11,300	12,600	13,100	8,840	10,600
24	19,500	16,900	17,800	14,500	12,500	13,400	18,000	9,000	13,500	16,300	11,100	14,300
25	19,800	16,700	18,000	16,100	13,100	14,000	11,200	8,300	9,310	18,300	10,400	13,500
26	20,400	14,400	17,600	17,000	13,200	14,500	12,200	8,920	10,100	20,300	11,500	15,900
27	20,600	14,800	17,400	14,800	13,200	14,100	12,700	10,500	11,300	19,200	11,700	16,000
28	18,600	12,900	16,200	15,500	12,700	13,800	11,300	9,370	10,400	23,000	11,000	16,700
29	17,600	14,500	15,700	14,000	12,100	13,200	13,400	9,380	10,800	24,400	10,100	17,200
30	16,200	13,600	14,900	14,300	11,700	13,000	17,100	10,300	12,300	24,200	11,900	17,100
31	16,200	14,700	15,200	---	---	---	17,700	10,700	13,900	24,400	16,300	19,300
MONTH	22,500	9,590	14,100	19,500	8,630	13,500	21,900	8,300	12,900	24,400	4,870	12,400

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

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	20,200	13,500	16,900	17,600	15,300	16,300	5,390	2,030	2,880	15,500	11,500	13,100
2	19,200	11,200	15,200	16,600	12,800	15,000	10,400	2,300	7,690	13,600	10,600	12,300
3	20,900	13,800	17,100	22,700	15,000	17,600	11,100	7,640	9,950	12,500	10,300	11,400
4	19,100	13,800	16,800	23,600	14,700	20,400	11,000	7,920	9,780	13,200	9,770	11,400
5	21,800	19,100	20,500	20,300	12,700	15,400	10,300	8,590	9,710	14,200	10,100	12,100
6	24,600	19,800	22,900	20,500	11,500	14,900	11,000	9,290	9,940	25,800	10,800	16,400
7	21,800	14,000	19,300	18,800	15,300	17,100	10,500	9,090	9,830	24,500	11,700	16,900
8	22,200	14,000	19,700	16,500	14,900	15,700	11,500	9,050	10,100	24,400	14,900	19,300
9	23,900	18,600	21,300	15,700	12,800	14,700	9,550	3,600	6,960	23,100	16,900	20,800
10	23,000	15,900	18,900	16,600	12,300	14,100	3,980	2,040	3,140	22,400	19,000	20,600
11	22,300	16,800	18,600	15,700	10,000	12,800	4,890	2,330	3,560	19,400	13,300	16,100
12	21,100	14,900	17,800	17,100	12,400	14,100	5,340	3,080	4,330	20,600	15,000	17,600
13	23,500	14,900	18,400	15,600	11,800	13,600	6,110	4,480	5,200	20,600	16,900	18,800
14	24,100	15,100	18,800	14,700	10,200	12,800	6,300	4,880	5,450	19,400	14,300	18,100
15	25,200	18,400	21,500	14,500	9,660	12,200	7,440	5,220	6,260	21,100	14,100	17,400
16	25,000	17,400	20,300	18,100	12,200	14,300	10,800	6,610	8,330	21,700	14,300	18,200
17	19,900	9,750	14,800	18,100	11,900	14,000	8,650	5,720	7,540	22,500	16,700	19,400
18	19,600	14,400	16,900	17,100	12,700	14,800	12,400	5,310	8,670	21,100	14,900	17,800
19	19,300	16,700	18,200	18,200	14,300	15,900	12,200	7,440	9,890	20,900	13,100	17,600
20	19,400	17,100	18,200	15,400	10,800	13,900	12,200	9,000	10,300	20,500	17,200	19,100
21	24,900	19,300	21,400	12,800	8,720	11,200	10,800	9,000	10,000	20,500	18,700	19,800
22	22,000	9,230	14,900	13,700	7,580	10,900	12,600	8,830	10,500	20,500	17,900	19,300
23	20,000	11,600	15,600	11,300	9,280	10,500	14,000	9,270	10,700	19,500	17,200	18,600
24	18,300	13,500	16,000	10,800	7,420	9,350	14,800	11,400	12,400	19,600	18,200	19,000
25	19,000	14,100	16,200	9,940	5,780	8,170	11,600	9,700	10,600	19,200	17,000	18,200
26	19,000	15,100	16,500	10,900	7,440	8,880	11,700	10,200	10,700	18,700	16,200	17,800
27	18,200	14,100	16,400	13,500	9,040	10,600	12,800	10,800	11,800	19,700	17,100	18,500
28	18,200	14,700	15,900	13,100	9,490	10,500	12,300	10,600	11,500	19,300	17,800	18,600
29	---	---	---	11,100	7,050	9,520	12,400	11,400	12,000	18,900	14,800	17,900
30	---	---	---	9,220	2,760	5,680	14,400	11,800	12,900	18,500	14,000	16,200
31	---	---	---	4,230	2,410	3,590	---	---	---	17,700	12,700	15,800
MONTH	25,200	9,230	18,000	23,600	2,410	12,900	14,800	2,030	8,750	25,800	9,770	17,200
JUNE			JULY			AUGUST			SEPTEMBER			
1	18,300	12,100	15,200	19,900	11,000	15,500	9,760	8,590	8,980	27,000	24,800	25,800
2	18,700	14,700	16,800	13,600	10,300	12,300	9,210	8,560	8,840	26,800	25,100	26,000
3	---	---	---	11,200	8,260	9,930	9,190	7,600	8,460	26,500	25,800	26,200
4	16,800	15,300	16,400	10,100	7,380	9,090	17,100	6,150	8,940	26,200	25,900	26,100
5	16,900	16,100	16,400	9,600	6,430	8,460	24,000	7,610	11,900	26,300	25,900	26,100
6	16,800	14,900	16,000	8,790	7,970	8,530	20,000	9,090	15,100	26,400	25,700	26,100
7	15,300	13,700	14,500	9,110	8,030	8,550	20,500	8,870	13,700	26,300	25,700	26,000
8	14,400	12,800	13,700	9,040	7,220	8,430	24,000	9,760	17,800	26,300	25,600	25,900
9	13,500	10,700	12,400	8,830	5,980	7,790	25,600	14,700	20,800	26,100	25,500	25,900
10	13,600	8,590	11,100	8,610	4,830	6,500	27,000	17,300	22,000	26,000	25,300	25,700
11	14,200	7,550	10,600	8,830	4,830	6,500	26,800	19,000	22,900	26,000	25,400	25,800
12	14,000	7,550	10,600	9,080	5,660	7,290	28,300	21,600	24,600	26,000	21,000	22,800
13	13,000	8,200	11,100	10,500	5,980	8,050	26,600	22,500	24,800	25,200	21,400	23,200
14	14,100	8,550	11,300	10,800	7,630	9,220	29,800	23,600	26,300	25,000	22,300	24,000
15	14,300	9,830	12,000	10,400	9,100	9,900	32,700	25,400	29,400	24,200	21,900	23,200
16	15,100	10,200	12,100	10,600	8,700	9,850	30,700	26,000	28,900	24,000	22,200	23,100
17	16,800	11,000	12,700	9,850	8,450	9,110	28,700	21,500	25,400	24,400	22,300	23,400
18	14,400	11,400	12,700	8,800	7,550	8,340	30,200	18,900	24,300	23,600	22,200	23,100
19	13,100	11,700	12,300	7,670	6,370	6,640	30,800	16,900	25,200	24,000	21,500	23,000
20	12,300	11,100	11,800	7,030	6,000	6,610	30,700	18,900	25,300	23,700	20,700	22,200
21	11,700	10,300	11,000	6,500	3,920	5,600	28,100	21,500	25,600	22,000	18,400	20,700
22	11,600	9,520	10,800	6,410	3,570	4,820	26,800	24,700	25,500	21,500	19,500	20,500
23	12,800	9,170	10,900	5,560	3,210	4,690	27,100	24,800	25,900	21,400	19,500	20,700
24	14,100	9,170	12,100	7,450	3,640	5,430	28,300	25,300	26,600	21,000	19,200	20,300
25	16,000	12,200	14,700	9,100	5,160	7,390	27,400	26,200	26,800	20,900	19,100	20,300
26	16,400	13,100	15,300	12,700	6,410	9,060	27,300	25,400	26,600	19,800	19,100	19,600
27	17,500	11,900	14,400	12,600	7,140	9,510	27,000	25,000	26,300	20,200	18,400	19,400
28	18,600	11,900	15,300	12,200	8,070	9,800	26,900	26,000	26,500	22,600	19,000	20,300
29	19,400	14,600	17,000	10,900	7,360	9,170	27,800	25,800	26,900	23,000	21,200	22,400
30	21,000	15,900	18,100	10,300	8,500	9,360	27,700	25,900	27,100	23,300	21,600	22,700
31	---	---	---	10,200	8,220	9,070	26,300	24,200	25,600	---	---	---
MONTH	---	---	---	19,900	3,210	8,400	32,700	6,150	22,000	27,000	18,400	23,400

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.4	6.5	6.9	10.4	8.7	9.4	8.6	7.3	7.8	8.2	3.4	5.0
2	10.4	6.8	8.2	10.4	8.9	9.6	8.6	6.9	7.6	8.8	4.6	6.0
3	13.5	8.5	10.6	9.9	8.7	9.5	9.3	6.5	7.6	6.1	2.9	4.0
4	9.8	7.2	8.7	10.7	7.6	9.1	10.3	7.6	8.5	7.6	4.1	5.7
5	8.6	6.6	7.4	11.6	9.0	9.9	10.4	6.5	7.8	7.5	4.6	5.8
6	7.2	6.0	6.6	9.3	4.8	6.7	9.3	6.1	7.5	7.0	5.8	6.4
7	6.7	5.6	6.3	9.1	6.4	7.6	7.9	6.7	7.4	8.0	6.2	6.7
8	6.8	6.0	6.4	8.0	6.1	7.2	7.8	7.2	7.5	6.5	4.5	5.1
9	7.1	6.0	6.6	9.2	6.8	7.8	11.4	7.5	8.8	6.0	4.7	5.2
10	8.1	6.2	6.8	10.0	6.8	8.0	13.2	9.1	11.5	6.6	5.3	6.1
11	7.0	5.7	6.4	9.5	6.6	8.0	11.5	7.5	9.4	9.1	6.6	7.8
12	6.8	5.4	6.2	9.7	7.1	8.2	10.7	8.3	8.9	10.4	7.4	8.9
13	6.6	5.6	6.2	7.7	5.8	6.5	11.1	6.1	8.7	10.4	7.4	8.7
14	7.4	5.7	6.4	6.6	6.3	6.5	7.5	4.8	5.8	9.5	6.1	7.4
15	6.6	5.8	6.2	7.9	6.5	6.9	7.5	5.3	6.4	10.0	6.8	7.7
16	8.7	5.5	6.5	8.0	5.7	6.9	7.8	5.4	6.4	10.0	6.2	7.4
17	7.6	6.0	6.8	6.2	5.6	5.9	9.1	5.6	6.8	7.4	3.0	4.7
18	8.6	6.7	7.5	7.5	5.2	6.0	9.6	6.8	7.8	9.4	5.2	6.7
19	9.1	7.1	7.6	8.7	4.9	6.6	10.1	7.4	8.3	6.4	2.6	4.6
20	13.3	7.4	10.2	10.1	6.1	7.7	8.7	5.2	6.5	8.9	4.0	5.6
21	13.0	7.6	10.6	11.4	6.7	8.6	7.4	5.6	6.5	7.4	4.3	5.8
22	11.0	9.7	10.3	9.4	7.0	7.8	7.6	5.3	6.5	8.6	6.0	7.2
23	10.7	9.9	10.3	9.3	6.9	7.9	8.8	6.4	7.3	7.5	4.9	6.0
24	11.6	9.9	10.5	8.4	7.2	7.7	10.6	5.0	7.8	9.5	6.3	8.3
25	11.8	9.8	10.6	9.4	7.5	8.0	6.3	4.6	5.2	10.8	5.9	7.8
26	12.1	8.3	10.4	10.0	7.6	8.4	7.0	5.0	5.7	12.1	6.5	9.3
27	12.3	8.6	10.3	8.6	7.6	8.2	7.3	6.0	6.4	11.4	6.6	9.3
28	11.0	7.4	9.5	9.0	7.3	8.0	6.4	5.2	5.9	13.9	6.2	9.8
29	10.4	8.4	9.2	8.1	6.9	7.6	7.7	5.2	6.1	14.8	5.7	10.2
30	9.4	7.8	8.7	8.3	6.6	7.4	10.1	5.8	7.1	14.7	6.8	10.1
31	9.4	8.6	8.8	---	---	---	10.4	6.1	8.0	14.8	9.5	11.5
MONTH	13.5	5.4	8.2	11.6	4.8	7.8	13.2	4.6	7.4	14.8	2.6	7.1
FEBRUARY			MARCH			APRIL			MAY			
1	12.0	7.8	9.9	10.4	8.9	9.5	2.9	1.0	1.5	9.0	6.5	7.6
2	11.4	6.3	8.8	9.7	7.4	8.7	5.9	1.2	4.3	7.8	6.0	7.1
3	12.5	7.9	10.1	13.7	8.7	10.4	6.3	4.2	5.6	7.2	5.8	6.5
4	11.4	7.9	9.8	14.3	8.6	12.2	6.2	4.4	5.5	7.6	5.5	6.5
5	13.1	11.4	12.3	12.1	7.3	9.0	5.8	4.8	5.5	8.2	5.7	6.9
6	14.9	11.8	13.8	12.2	6.5	8.7	6.2	5.2	5.6	15.8	6.1	9.7
7	13.1	8.1	11.4	11.1	8.9	10.0	6.0	5.1	5.5	14.8	6.6	10
8	13.3	8.1	11.7	9.7	8.7	9.1	6.5	5.0	5.7	14.8	8.7	11.5
9	14.5	11.0	12.8	9.1	7.4	8.5	5.3	1.9	3.8	13.9	9.9	12.4
10	13.9	9.3	11.2	9.7	7.0	8.2	2.1	1.0	1.6	13.5	11.3	12.3
11	13.4	9.9	11.0	9.1	5.6	7.4	2.6	1.2	1.9	11.5	7.6	9.4
12	12.6	8.7	10.5	10.1	7.1	8.2	2.9	1.6	2.3	12.3	8.7	10.4
13	14.2	8.7	10.9	9.1	6.7	7.8	3.3	2.4	2.8	12.3	9.9	11.2
14	14.6	8.8	11.1	8.6	5.8	7.4	3.4	2.6	2.9	11.5	8.3	10.7
15	15.3	10.9	12.9	8.4	5.4	7.0	4.1	2.8	3.4	12.6	8.1	10.2
16	15.2	10.2	12.1	10.7	7.0	8.3	6.1	3.6	4.6	13.0	8.3	10.8
17	11.8	5.5	8.6	10.7	6.8	8.1	4.8	3.1	4.2	13.5	9.8	11.6
18	11.7	8.3	9.9	10.1	7.3	8.6	7.1	2.9	4.8	12.6	8.7	10.5
19	11.5	9.8	10.8	10.7	8.3	9.3	7.0	4.1	5.6	12.5	7.5	10.4
20	11.5	10.1	10.8	9.0	6.1	8.0	7.0	5.0	5.8	12.2	10.1	11.4
21	15.1	11.5	12.9	7.4	4.9	6.4	6.1	5.0	5.7	12.2	11.1	11.8
22	13.2	5.2	8.7	7.9	4.2	6.2	7.2	4.9	5.9	12.2	10.5	11.5
23	11.9	6.6	9.1	6.4	5.2	5.9	8.1	5.2	6.1	11.6	10.1	11.0
24	10.8	7.8	9.4	6.1	4.1	5.2	8.6	6.5	7.1	11.7	10.7	11.3
25	11.3	8.1	9.5	5.6	3.1	4.5	6.6	5.4	6.0	11.4	10.0	10.8
26	11.3	8.8	9.7	6.2	4.1	5.0	6.6	5.8	6.0	11.1	9.4	10.5
27	10.7	8.1	9.6	7.8	5.0	6.0	7.4	6.1	6.7	11.7	10.1	11.0
28	10.7	8.6	9.3	7.5	5.3	6.0	7.0	6.0	6.5	11.5	10.5	11.0
29	---	---	---	6.3	3.9	5.3	7.1	6.5	6.8	11.2	8.6	10.5
30	---	---	---	5.2	1.4	3.1	8.3	6.7	7.4	10.9	8.1	9.5
31	---	---	---	2.2	1.2	1.9	---	---	---	10.4	7.3	9.2
MONTH	15.3	5.2	10.7	14.3	1.2	7.4	8.6	1.0	4.9	15.8	5.5	10.2

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.8	6.9	8.8	11.8	6.2	9.0	5.5	4.8	5.0	16.5	15.0	15.7
2	11.1	8.6	9.8	7.8	5.8	7.0	5.1	4.8	4.9	16.4	15.3	15.9
3	---	---	---	6.3	4.6	5.6	5.1	4.2	4.7	16.2	15.8	16.0
4	9.9	8.9	9.6	5.7	4.1	5.1	10.1	3.3	5.0	16.0	15.8	15.9
5	9.9	9.4	9.6	5.4	3.5	4.7	14.5	4.2	6.8	16.1	15.8	15.9
6	9.9	8.7	9.3	4.9	4.4	4.7	11.9	5.1	8.8	16.1	15.7	16.0
7	8.9	7.9	8.4	5.1	4.4	4.8	12.2	4.9	7.9	16.1	15.7	15.9
8	8.3	7.4	7.9	5.0	4.0	4.7	14.5	5.5	10.5	16.1	15.6	15.8
9	7.8	6.1	7.1	4.9	3.2	4.3	15.6	8.6	12.4	15.9	15.5	15.8
10	7.8	4.8	6.3	4.8	2.6	3.5	16.5	10.2	13.2	15.9	15.4	15.7
11	8.2	4.2	6.0	4.9	2.6	3.5	16.4	11.3	13.8	15.9	15.5	15.7
12	8.1	4.2	6.0	5.1	3.1	4.0	17.4	13.0	15.0	15.9	12.6	13.8
13	7.5	4.5	6.3	6.0	3.2	4.5	16.3	13.5	15.1	15.3	12.9	14.0
14	8.1	4.8	6.4	6.1	4.2	5.2	18.4	14.3	16.0	15.2	13.4	14.5
15	8.3	5.5	6.8	5.9	5.1	5.6	20.4	15.5	18.2	14.7	13.2	14.0
16	8.8	5.8	6.9	6.0	4.8	5.5	19.0	15.9	17.8	14.5	13.3	13.9
17	9.9	6.2	7.3	5.5	4.7	5.1	17.7	12.9	15.5	14.8	13.4	14.1
18	8.3	6.5	7.3	4.9	4.2	4.6	18.7	11.2	14.8	14.3	13.3	14.0
19	7.5	6.6	7.1	4.2	3.5	3.6	19.1	9.9	15.3	14.5	12.9	13.9
20	7.0	6.3	6.7	3.9	3.3	3.6	19.0	11.2	15.4	14.4	12.4	13.4
21	6.6	5.8	6.2	3.5	2.1	3.0	17.3	12.9	15.6	13.2	10.9	12.4
22	6.6	5.3	6.1	3.5	1.9	2.6	16.4	15.0	15.5	12.9	11.6	12.2
23	7.4	5.1	6.2	3.0	1.7	2.5	16.6	15.0	15.8	12.9	11.6	12.3
24	8.1	5.1	6.9	4.1	1.9	2.9	17.4	15.4	16.3	12.6	11.4	12.1
25	9.3	7.0	8.5	5.1	2.8	4.1	16.8	16.0	16.4	12.5	11.4	12.1
26	9.6	7.5	8.9	7.3	3.5	5.1	16.7	15.5	16.3	11.8	11.4	11.6
27	10.3	6.8	8.3	7.2	3.9	5.3	16.5	15.2	16.0	12.0	10.9	11.5
28	11.0	6.8	8.9	7.0	4.5	5.5	16.4	15.9	16.2	13.6	11.3	12.1
29	11.5	8.5	10.0	6.2	4.0	5.1	17.1	15.8	16.5	13.9	12.7	13.5
30	12.6	9.3	10.7	5.8	4.7	5.2	17.0	15.8	16.6	14.1	13.0	13.7
31	---	---	---	5.8	4.6	5.1	16.1	14.7	15.6	---	---	---
MONTH	---	---	---	11.8	1.7	4.7	20.4	3.3	13.3	16.5	10.9	14.1

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.1	27.8	28.4	22.1	20.2	21.0	13.8	12.4	12.9	14.8	13.7	14.3
2	29.2	27.8	28.3	20.2	18.8	19.3	13.9	12.1	12.9	15.1	13.2	14.2
3	28.0	26.8	27.2	19.5	18.4	18.9	14.3	13.1	13.8	13.4	11.3	12.1
4	28.1	26.6	27.2	20.2	19.4	19.8	15.9	14.0	14.8	12.2	10.5	11.5
5	29.5	27.6	28.1	20.9	20.2	20.6	15.7	12.6	14.4	13.1	11.1	12.0
6	30.0	28.1	28.9	20.7	18.5	19.3	12.7	11.3	11.9	13.8	12.0	12.8
7	29.7	28.8	29.3	18.6	17.1	17.9	11.7	10.5	11.2	12.9	11.4	12.1
8	29.4	28.5	28.9	19.2	17.3	18.3	11.6	10.8	11.2	12.9	11.1	11.9
9	28.9	28.1	28.5	20.1	18.4	19.3	11.7	11.0	11.3	13.4	11.6	12.4
10	28.2	27.5	27.8	22.1	19.9	21.0	11.7	11.3	11.5	14.6	13.2	13.9
11	28.4	27.1	27.7	22.7	22.1	22.4	12.2	10.8	11.5	13.4	10.7	11.4
12	28.6	27.5	28.0	22.4	18.6	21.1	12.1	11.3	11.7	10.7	9.2	9.8
13	28.2	25.9	27.3	18.7	15.9	17.0	13.0	11.8	12.4	9.3	8.2	8.8
14	26.1	23.8	24.7	17.4	16.0	16.8	12.7	11.4	12.1	9.7	8.3	9.0
15	23.9	22.5	23.2	18.7	17.2	17.7	13.1	11.7	12.3	10.1	8.9	9.5
16	22.5	21.3	21.8	17.9	14.5	16.6	13.8	12.2	12.9	10.9	9.6	10.1
17	22.3	20.6	21.2	14.9	13.4	14.2	14.7	13.1	13.8	10.2	8.1	9.0
18	22.1	20.4	21.3	15.4	13.7	14.6	15.4	13.9	14.6	9.0	7.3	8.1
19	23.8	21.7	22.5	16.1	14.9	15.6	17.2	14.8	16.0	9.5	7.6	8.5
20	24.6	22.8	23.3	16.7	16.0	16.3	16.8	15.7	16.2	11.4	8.6	9.9
21	24.7	23.3	24.0	17.5	16.3	16.8	16.1	14.7	15.4	13.2	10.6	11.7
22	25.2	24.1	24.6	17.0	15.8	16.3	17.5	15.4	16.3	14.4	12.4	13.4
23	25.2	24.3	24.7	16.1	14.4	15.3	17.1	16.6	16.9	13.4	8.3	10.9
24	25.0	24.3	24.6	16.4	14.5	15.4	19.1	16.9	17.8	8.3	6.5	7.4
25	24.8	24.0	24.4	17.1	15.6	16.3	17.2	12.6	14.2	7.6	6.0	6.9
26	24.6	24.2	24.4	17.8	16.4	17.1	12.8	11.9	12.3	7.8	7.3	7.6
27	25.3	24.2	24.7	17.5	15.3	16.6	12.6	11.2	11.8	8.8	7.3	8.1
28	26.2	24.9	25.5	15.3	13.7	14.4	12.9	11.5	12.1	9.8	8.3	9.0
29	25.9	24.6	25.3	14.6	13.0	13.6	13.8	12.3	13.0	11.1	9.6	10.4
30	24.7	24.0	24.4	14.2	13.7	13.9	14.4	13.3	13.9	12.5	10.9	12.0
31	24.0	22.1	22.9	---	---	---	15.4	14.3	14.8	13.5	11.9	12.5
MONTH	30.0	20.4	25.6	22.7	13.0	17.4	19.1	10.5	13.5	15.1	6.0	10.7
FEBRUARY			MARCH			APRIL			MAY			
1	14.5	12.3	13.3	16.0	15.7	15.9	17.9	14.5	16.2	27.9	25.4	26.2
2	15.2	12.8	14.0	16.8	15.5	16.1	18.7	16.6	17.6	28.5	26.3	27.2
3	16.1	13.9	15.0	16.0	14.6	15.1	19.6	17.9	18.7	29.0	26.8	27.8
4	16.1	14.9	15.7	15.3	14.5	14.8	22.6	19.3	20.4	28.6	27.5	28.0
5	14.9	13.0	13.7	17.1	15.1	16.0	23.7	21.3	22.3	28.1	27.0	27.7
6	13.9	13.2	13.5	17.6	16.5	17.0	23.9	22.8	23.2	27.8	26.9	27.4
7	13.8	11.2	12.6	18.3	16.8	17.4	24.4	23.1	23.8	28.3	27.0	27.6
8	11.2	10.2	10.7	18.4	17.7	18.0	23.6	21.4	22.7	28.4	27.2	27.8
9	11.2	10.4	10.7	19.9	18.3	18.9	21.6	14.6	18.0	29.1	27.4	28.2
10	12.9	11.2	12.0	20.4	19.1	19.8	14.9	12.3	13.7	29.0	27.7	28.4
11	13.6	12.0	12.7	20.2	19.6	19.9	16.1	14.0	14.9	29.0	27.6	28.3
12	14.6	12.8	13.6	20.9	19.7	20.1	18.1	15.1	16.1	28.6	27.3	27.8
13	15.4	13.8	14.6	21.8	20.4	20.9	19.5	17.0	18.1	27.9	26.5	27.3
14	17.0	14.8	15.8	22.0	20.7	21.3	22.0	19.1	20.0	28.1	25.9	26.9
15	17.9	15.9	16.9	22.7	20.9	21.7	23.3	20.2	21.8	28.3	27.0	27.5
16	18.0	16.4	17.6	22.0	21.2	21.6	23.5	21.7	22.5	28.9	26.9	27.8
17	16.4	13.4	14.7	22.3	20.8	21.4	24.3	22.4	23.4	28.6	27.3	28.0
18	14.4	12.5	13.5	23.0	21.3	22.0	25.5	23.4	24.2	28.1	27.2	27.7
19	15.3	13.5	14.2	23.2	21.7	22.5	25.4	24.1	24.7	27.7	27.0	27.3
20	16.3	14.8	15.5	22.9	21.8	22.4	25.5	24.0	24.7	27.5	26.7	27.1
21	17.1	16.0	16.4	22.2	20.7	21.5	26.1	24.6	25.2	27.1	26.5	26.8
22	17.4	14.9	16.6	21.5	19.7	20.6	25.7	24.3	25.0	26.8	25.5	26.1
23	16.1	14.4	15.3	21.8	20.3	20.9	24.9	23.7	24.4	27.0	24.6	25.6
24	17.1	15.2	16.1	22.4	20.3	21.3	24.7	23.6	24.1	28.0	25.6	26.6
25	16.9	16.2	16.7	22.0	20.8	21.4	26.1	24.0	24.9	28.6	26.6	27.6
26	16.9	16.4	16.6	22.3	20.9	21.6	25.6	24.0	24.8	29.6	26.9	28.0
27	16.9	16.5	16.7	22.7	21.0	21.8	24.8	23.5	24.0	28.2	27.1	27.7
28	16.5	15.7	16.0	23.6	21.9	22.7	25.8	23.8	24.6	27.4	25.5	26.3
29	---	---	---	23.3	18.5	22.0	26.3	24.7	25.4	27.8	25.1	26.4
30	---	---	---	18.5	15.3	16.5	26.7	24.9	25.6	27.8	25.7	26.7
31	---	---	---	16.7	14.0	15.1	---	---	---	28.0	26.1	27.0
MONTH	18.0	10.2	14.7	23.6	14.0	19.6	26.7	12.3	21.8	29.6	24.6	27.3

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

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.4	26.3	27.4	27.1	25.4	26.1	30.2	29.4	29.8	29.8	28.0	28.7
2	29.3	27.4	28.3	27.8	26.3	26.8	29.7	28.6	29.1	30.8	28.8	29.6
3	---	---	---	28.1	26.8	27.5	31.1	28.1	29.4	31.1	29.5	30.2
4	28.6	27.2	28.0	27.7	26.8	27.3	32.5	29.0	30.3	31.4	30.0	30.6
5	29.2	27.3	28.2	27.0	26.4	26.7	31.8	29.4	30.4	30.6	29.1	29.9
6	28.2	26.9	27.4	29.0	26.2	27.3	30.8	29.7	30.2	29.7	28.2	28.9
7	29.1	26.3	27.3	28.5	27.6	28.0	30.2	29.3	29.7	29.9	28.8	29.3
8	29.7	27.8	28.4	28.6	27.2	27.8	31.1	29.0	29.7	30.1	28.5	29.2
9	31.5	28.6	29.7	31.1	27.9	28.9	30.6	29.6	30.1	29.2	28.4	28.7
10	31.0	29.3	30.2	30.9	28.9	29.9	31.1	29.6	30.2	29.3	27.8	28.5
11	30.2	29.1	29.6	31.1	29.3	29.9	30.7	29.9	30.3	29.3	27.8	28.5
12	30.1	28.6	29.2	31.4	29.5	30.1	30.1	28.6	29.3	28.7	27.6	28.2
13	30.3	28.5	29.2	30.4	29.4	29.7	28.6	27.1	27.8	29.2	27.5	28.2
14	30.6	28.7	29.5	29.4	28.0	28.4	29.1	26.8	27.7	30.0	28.1	29.0
15	30.9	28.8	29.8	29.5	27.6	28.4	29.6	28.1	28.8	29.6	28.5	29.0
16	30.6	28.9	29.8	30.8	28.6	29.4	30.6	28.7	29.6	28.7	27.1	27.8
17	30.1	28.5	29.1	30.7	29.2	30.0	30.5	29.6	30.1	28.5	26.6	27.5
18	29.9	28.0	28.7	31.4	28.3	29.4	31.0	28.9	29.9	29.3	27.4	28.3
19	29.3	28.6	29.0	31.2	29.6	30.3	32.0	29.6	30.6	29.5	28.0	28.7
20	29.2	28.0	28.6	30.5	29.5	29.9	30.7	29.9	30.4	28.9	27.7	28.4
21	29.0	28.2	28.5	30.7	28.7	29.6	31.1	29.7	30.3	28.0	27.4	27.7
22	30.3	27.8	28.8	30.4	28.9	29.5	30.5	29.6	30.0	27.7	26.8	27.4
23	32.2	29.1	30.3	29.4	28.2	28.9	30.8	29.2	29.8	27.4	26.0	26.6
24	32.0	29.8	30.7	29.4	28.0	28.4	30.9	29.7	30.2	27.5	26.2	26.8
25	31.4	30.1	30.7	30.5	28.4	29.0	31.2	29.8	30.4	27.7	26.3	27.0
26	32.4	29.6	30.5	31.2	29.0	29.7	32.1	30.0	30.8	28.3	26.7	27.4
27	30.7	29.5	30.1	31.6	29.9	30.5	31.3	30.6	30.9	28.7	27.3	28.0
28	29.5	28.6	29.0	31.6	29.9	30.7	31.2	29.8	30.5	28.4	25.7	27.4
29	29.2	28.0	28.5	31.2	29.5	30.4	30.8	29.6	30.1	25.7	22.9	23.8
30	28.7	26.2	27.3	31.2	29.5	30.2	30.2	28.9	29.6	22.9	21.1	21.9
31	---	---	---	31.0	29.6	30.4	29.5	28.4	28.8	---	---	---
MONTH	---	---	---	31.6	25.4	29.0	32.5	26.8	29.8	31.4	21.1	28.0

07375000 TCHEFUNCTE RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'57", long 90°14'55", on line between SE ¼ NE ¼ and SW ¼ NE ¼ 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. Prior to October 2000, published as Tchefuncta River near Folsom.

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WDR LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft above NGVD of 1929. Prior to June 9, 1944, non-recording gage at same site and datum.

REMARKS.--Records good. Satellite telemetry at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 4	0630	4,830	18.91	Mar 14	0630	1,510	14.18
Dec 24	2100	2,660	16.52	Apr 9	1230	3,390	17.26
Feb 23	0130	2,800	16.74	Jun 29	0800	1,470	14.07
Mar 8	0730	1,490	14.14	Jul 1	1100	*10,700	*20.83

Minimum discharge, 56 ft³/s, Sept. 30, gage height, 5.50 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	171	79	357	83	491	76	83	63	10,400	120	88
2	113	126	76	295	76	249	75	81	62	3,000	284	78
3	1,050	106	72	195	74	194	74	79	62	e2,000	142	e75
4	e5,000	102	89	158	80	165	73	77	63	e1,200	115	e72
5	e4,500	201	194	140	90	156	74	75	66	e800	97	e70
6	e3,000	526	238	126	79	186	83	74	62	e1,500	88	e68
7	e1,000	382	142	112	165	764	102	73	67	e1,000	84	e66
8	e200	183	110	103	189	1,380	1,230	71	92	837	81	e64
9	117	140	98	97	112	733	2,940	69	78	409	78	e62
10	145	135	105	95	97	349	1,300	68	64	282	74	61
11	194	617	176	91	95	232	389	67	62	228	72	60
12	147	820	138	85	86	182	203	65	65	585	71	60
13	117	301	142	82	80	427	155	67	74	620	71	70
14	101	181	166	80	77	1,370	126	69	236	220	71	223
15	91	143	125	79	78	963	107	70	675	160	70	129
16	84	138	104	78	379	423	93	68	302	137	68	80
17	76	128	95	77	621	308	86	67	169	133	68	69
18	69	108	89	75	245	323	80	76	205	234	70	64
19	66	97	86	74	151	275	76	78	126	172	67	62
20	65	95	97	75	123	283	73	70	96	124	70	60
21	64	142	94	74	252	192	84	76	97	112	71	60
22	63	134	85	75	1,950	150	92	72	278	112	76	68
23	62	106	150	74	2,070	129	76	67	567	111	72	88
24	62	97	2,080	70	719	115	70	64	194	484	70	81
25	63	90	2,240	69	276	106	212	62	147	542	66	67
26	112	84	997	71	212	100	275	61	155	182	65	63
27	173	78	335	75	482	96	126	86	186	134	e62	62
28	370	75	213	76	1,040	93	102	191	474	112	e62	61
29	647	73	171	74	---	87	92	94	1,180	101	63	59
30	637	73	148	76	---	82	87	73	1,220	108	63	57
31	337	---	179	98	---	78	---	67	---	141	76	---
MEAN	608	188	294	107	356	345	288	76.1	240	845	84.1	74.9
MAX	5,000	820	2,240	357	2,070	1,380	2,940	191	1,220	10,400	284	223
MIN	62	73	72	69	74	78	70	61	62	101	62	57
CFSM	6.37	1.97	3.08	1.12	3.73	3.61	3.01	0.80	2.51	8.84	0.88	0.78
IN.	7.35	2.20	3.55	1.29	3.89	4.16	3.36	0.92	2.80	10.20	1.02	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	74.0	119	183	211	292	255	234	149	93.1	102	96.3	98.1
MAX	608	800	866	831	1,257	621	1,227	853	373	845	426	444
(WY)	(2003)	(1962)	(1954)	(1998)	(1961)	(1973)	(1983)	(1953)	(1959)	(2003)	(1983)	(2002)
MIN	27.6	39.0	51.3	57.7	47.9	51.5	42.5	32.0	35.5	30.7	28.8	29.3
(WY)	(2001)	(2000)	(1970)	(1957)	(2000)	(2000)	(2000)	(2001)	(1968)	(2000)	(2000)	(2000)

07375000 TCHEFUNCTE RIVER NEAR FOLSOM, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL MEAN	211		293		158	
HIGHEST ANNUAL MEAN					313	
LOWEST ANNUAL MEAN					47.4	
HIGHEST DAILY MEAN	8,340	Sep 27	10,400	Jul 1	15,100	Feb 22, 1961
LOWEST DAILY MEAN	35	Sep 17	57	Sep 30	0.00	Jun 5, 1981
ANNUAL SEVEN-DAY MINIMUM	36	Sep 14	63	Sep 6	27	Sep 30, 2000
MAXIMUM PEAK FLOW			10,700	Jul 1	29,800	Apr 5, 1983
MAXIMUM PEAK STAGE			20.83	Jul 1	24.14	Apr 5, 1983
INSTANTANEOUS LOW FLOW			56	Sep 30	26	Sep 4, 1968
ANNUAL RUNOFF (CFSM)	2.21		3.06		1.65	
ANNUAL RUNOFF (INCHES)	29.99		41.60		22.48	
10 PERCENT EXCEEDS	336		618		292	
50 PERCENT EXCEEDS	78		97		69	
90 PERCENT EXCEEDS	43		65		42	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.66	7.06	5.92	8.79	5.97	9.70	5.88	5.80	5.49	20.18	6.47	6.03
2	6.39	6.55	5.88	8.28	5.88	7.87	5.86	5.77	5.47	16.70	8.14	5.88
3	11.07	6.29	5.82	7.32	5.84	7.31	5.84	5.74	5.47	---	6.73	---
4	---	6.23	6.06	6.91	5.93	7.00	5.83	5.72	5.49	---	6.41	---
5	---	7.29	7.30	6.71	6.07	6.89	5.85	5.68	5.55	---	6.18	---
6	---	10.02	7.76	6.54	5.92	7.22	5.97	5.66	5.47	---	6.04	---
7	---	8.95	6.74	6.37	6.95	11.18	6.23	5.65	5.55	---	5.99	---
8	---	7.19	6.35	6.24	7.24	13.83	12.35	5.62	5.92	11.68	5.95	---
9	6.43	6.71	6.18	6.17	6.37	11.16	16.82	5.59	5.73	9.19	5.91	---
10	6.76	6.66	6.27	6.14	6.17	8.73	13.37	5.57	5.50	8.17	5.85	5.60
11	7.31	10.20	7.11	6.08	6.14	7.71	9.00	5.55	5.47	7.64	5.81	5.59
12	6.79	11.63	6.69	6.01	6.02	7.18	7.47	5.53	5.52	10.36	5.79	5.58
13	6.44	8.32	6.73	5.96	5.93	9.08	6.98	5.55	5.65	10.54	5.80	5.73
14	6.22	7.16	7.00	5.94	5.88	13.80	6.64	5.59	7.57	7.58	5.80	7.59
15	6.09	6.74	6.54	5.92	5.90	12.34	6.40	5.60	10.91	6.94	5.77	6.54
16	5.99	6.69	6.27	5.91	8.82	9.26	6.21	5.57	8.28	6.68	5.75	5.89
17	5.88	6.57	6.15	5.89	10.61	8.41	6.12	5.56	7.04	6.63	5.74	5.72
18	5.77	6.31	6.06	5.86	7.78	8.53	6.04	5.69	7.42	7.73	5.77	5.65
19	5.73	6.16	6.02	5.85	6.83	8.13	5.97	5.72	6.54	7.07	5.72	5.61
20	5.70	6.14	6.16	5.86	6.51	8.19	5.92	5.60	6.16	6.52	5.77	5.59
21	5.68	6.74	6.13	5.85	7.71	7.28	6.09	5.69	6.17	6.37	5.79	5.58
22	5.67	6.64	6.00	5.86	14.92	6.82	6.20	5.63	8.06	6.37	5.86	5.70
23	5.66	6.29	6.61	5.85	15.36	6.58	5.97	5.56	10.27	6.35	5.79	6.00
24	5.65	6.17	15.21	5.79	11.04	6.41	5.89	5.51	7.27	9.65	5.76	5.90
25	5.67	6.08	15.76	5.77	8.12	6.29	7.41	5.47	6.79	10.05	5.70	5.69
26	6.34	5.99	12.36	5.80	7.50	6.20	7.97	5.45	6.88	7.18	5.68	5.63
27	7.08	5.91	8.60	5.87	9.63	6.16	6.39	5.82	7.18	6.64	---	5.60
28	8.86	5.86	7.51	5.88	12.71	6.11	6.07	7.17	9.62	6.38	---	5.59
29	10.75	5.83	7.06	5.84	---	6.04	5.93	5.95	13.16	6.22	5.65	5.55
30	10.70	5.83	6.81	5.87	---	5.96	5.86	5.66	12.44	6.32	5.65	5.51
31	8.59	---	7.14	6.18	---	5.91	---	5.56	---	6.72	5.85	---
MAX	---	11.63	15.76	8.79	15.36	13.83	16.82	7.17	13.16	---	---	---
MIN	---	5.83	5.82	5.77	5.84	5.91	5.83	5.45	5.47	---	---	---

07375050 TCHEFUNCTE RIVER NEAR COVINGTON, LA

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

DRAINAGE AREA.--145 mi².

WATER-STAGE RECORDS.

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 29.86 ft, May 3, 1953; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 27.34 ft, July 1; minimum gage height, 9.88 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.01	12.92	10.38	15.06	10.55	17.32	10.52	10.44	10.0	26.72	11.94	11.27
2	11.79	11.74	10.42	14.32	10.39	13.88	10.49	10.38	9.95	26.30	12.22	10.53
3	18.51	11.25	10.36	12.91	10.33	12.56	10.46	10.34	10.03	23.37	12.62	10.28
4	24.96	11.38	10.51	12.08	10.31	12.02	10.43	10.30	9.93	23.21	11.43	10.39
5	24.19	13.02	13.06	11.67	10.42	11.76	10.71	10.28	9.95	21.52	11.05	10.51
6	21.17	16.22	13.18	11.42	10.46	11.73	11.29	10.24	9.98	22.08	10.76	10.20
7	15.97	15.47	12.16	11.24	10.54	15.35	12.60	10.22	9.96	21.45	10.62	10.14
8	12.90	13.13	11.27	11.07	11.74	18.23	21.30	10.19	10.06	19.77	10.56	10.07
9	12.15	11.93	10.92	10.94	11.25	19.11	23.83	10.16	10.30	16.43	10.49	10.04
10	14.84	11.52	11.44	10.86	10.77	15.59	22.94	10.13	10.08	13.97	10.42	10.02
11	13.91	16.12	12.11	10.80	10.62	13.34	18.67	10.10	9.96	12.76	10.35	10.04
12	12.51	21.79	11.92	10.68	10.55	12.35	13.52	10.07	9.95	13.23	10.31	9.98
13	11.78	18.12	12.02	10.60	10.44	13.91	12.33	10.06	10.01	15.64	10.29	10.04
14	11.50	13.23	12.10	10.56	10.35	18.60	11.77	10.10	10.89	14.02	10.27	10.47
15	11.25	12.05	11.62	10.52	10.40	19.78	11.41	10.10	14.39	12.08	10.25	11.60
16	11.08	11.73	11.10	10.48	12.11	17.06	11.16	10.08	15.85	11.60	10.25	10.63
17	10.93	11.61	10.84	10.46	14.72	14.40	10.97	10.05	13.29	11.36	11.50	10.23
18	10.79	11.29	10.70	10.43	14.23	13.99	10.85	10.04	11.99	12.22	10.62	10.08
19	10.69	11.14	10.63	10.40	11.85	13.64	10.75	10.17	11.81	12.41	10.30	10.01
20	10.57	11.44	10.73	10.37	11.24	13.46	10.67	10.14	11.34	15.18	10.74	9.97
21	10.39	12.58	10.85	10.36	15.30	12.71	10.63	10.08	11.65	14.03	13.74	9.97
22	10.35	11.90	10.67	10.36	20.99	11.89	10.79	10.13	11.62	11.28	10.89	10.01
23	10.32	11.26	11.98	10.35	22.62	11.50	10.73	10.06	13.47	11.10	10.43	10.08
24	10.28	10.93	22.34	10.34	21.00	11.26	10.58	10.00	13.78	12.15	10.28	10.32
25	10.42	10.77	23.73	10.28	15.49	11.08	10.55	9.96	11.38	14.76	10.21	10.16
26	12.54	10.65	21.75	10.27	13.74	10.95	12.68	10.02	11.48	13.63	10.15	10.02
27	13.20	10.54	17.28	10.30	15.61	10.88	11.66	10.02	11.14	11.82	10.26	9.98
28	16.11	10.45	13.36	10.34	16.59	10.81	10.88	10.64	12.39	11.32	10.30	9.95
29	17.53	10.39	12.43	10.32	---	10.74	10.63	11.08	15.06	11.26	10.44	9.94
30	18.90	10.37	11.96	10.30	---	10.66	10.51	10.31	19.45	13.14	10.25	9.90
31	16.15	---	14.05	10.38	---	10.58	---	10.09	---	11.70	10.93	---
MAX	24.96	21.79	23.73	15.06	22.62	19.78	23.83	11.08	19.45	26.72	13.74	11.60
MIN	10.28	10.37	10.36	10.27	10.31	10.58	10.43	9.96	9.93	11.10	10.15	9.90

07375105 BOGUE FALAYA NEAR CAMP COVINGTON, LA

LOCATION.--Lat 30°33'23", long 90°08'46", sec. 26, T. 6 S., R. 11 E., St. Tammany Parish, Hydrologic Unit 08090201, at bridge on Million Dollar Road, approximately 0.1 mile east of State Highway 25, and approximately 7.0 miles northwest of Covington.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--January 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR THE PERIOD OF RECORD.--Maximum gage height, 57.01 ft, July 1, 2003; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 57.01 ft, July 1; minimum gage height, 34.19 ft, June 2.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.23	35.47	34.52	37.43	34.38	35.85	34.59	34.39	34.21	53.54	34.98	34.72
2	35.13	35.09	34.45	36.13	34.37	35.45	34.58	34.38	34.20	41.00	34.88	34.64
3	45.27	34.88	34.43	35.55	34.35	35.19	34.57	34.37	34.27	41.04	34.88	34.56
4	48.22	35.01	34.63	35.24	34.37	35.09	34.57	34.35	34.27	39.12	34.77	34.52
5	39.31	36.17	35.87	35.06	34.34	35.02	34.61	34.34	34.23	41.94	34.68	34.53
6	37.25	37.34	35.45	34.94	34.35	35.20	34.77	34.32	34.24	44.43	34.64	34.53
7	36.23	35.91	34.97	34.83	34.72	37.69	35.52	34.31	34.28	39.48	34.61	34.49
8	35.58	---	34.77	34.75	34.60	37.73	43.92	34.30	34.33	38.14	34.63	34.47
9	35.24	34.92	34.66	34.71	34.47	36.15	42.00	34.29	34.35	37.41	34.61	34.46
10	36.87	34.81	35.01	34.68	34.45	35.78	37.71	34.28	34.25	36.29	34.56	34.46
11	36.54	40.06	35.27	34.61	34.43	35.38	36.18	34.26	34.23	35.68	34.53	34.51
12	35.64	43.38	34.93	34.56	34.37	35.15	35.60	34.25	34.30	36.49	34.51	34.47
13	35.23	37.73	35.14	34.52	34.34	38.22	35.26	34.27	34.61	35.78	34.52	34.49
14	34.97	36.08	35.08	34.50	34.32	38.76	35.03	34.35	36.11	35.34	34.53	34.93
15	34.84	35.55	34.82	34.47	34.38	37.16	34.89	34.33	37.94	35.23	34.50	34.85
16	34.74	35.46	34.70	34.45	35.76	35.99	34.79	34.30	36.69	35.31	34.50	34.58
17	34.66	35.21	34.63	34.42	35.25	36.12	34.73	34.27	36.46	35.09	35.94	34.48
18	34.60	34.98	34.58	34.40	34.84	35.85	34.67	34.28	37.43	35.59	35.30	34.45
19	34.56	34.86	34.57	34.39	34.65	35.98	34.62	34.36	36.02	35.23	34.73	34.43
20	34.53	34.96	34.64	34.38	34.57	35.69	34.59	34.31	36.82	35.21	34.61	34.42
21	34.51	35.60	34.58	34.39	39.31	35.32	34.56	34.38	36.85	35.13	34.83	34.43
22	34.49	35.09	34.54	34.38	42.42	35.08	34.54	34.35	37.16	34.90	34.76	34.49
23	---	34.82	36.28	34.36	39.02	34.94	34.51	34.30	35.73	34.98	34.67	34.54
24	---	34.70	49.09	34.34	36.45	34.86	34.48	34.26	35.22	36.55	34.60	34.49
25	---	34.63	42.53	34.33	35.68	34.79	34.48	34.24	36.37	35.81	34.54	34.45
26	---	34.58	37.59	34.35	35.76	34.75	34.48	34.25	35.14	35.45	34.51	34.43
27	---	34.54	36.22	34.42	37.57	34.75	34.46	34.69	34.81	35.27	34.49	34.44
28	---	34.51	35.69	34.42	36.90	34.72	34.43	34.52	35.13	35.01	34.50	34.43
29	39.51	34.47	35.40	34.39	---	34.67	34.41	34.34	35.17	34.90	34.48	34.40
30	39.26	34.49	35.23	34.39	---	34.66	34.40	34.26	41.14	35.46	34.48	34.39
31	36.50	---	37.41	34.40	---	34.63	---	34.23	---	35.31	34.61	---
MAX	---	---	49.09	37.43	42.42	38.76	43.92	34.69	41.14	53.54	35.94	34.93
MIN	---	---	34.43	34.33	34.32	34.63	34.40	34.23	34.20	34.90	34.48	34.39

07375175 BOGUE FALAYA AT BOSTON STREET AT COVINGTON, LA

LOCATION.--Lat 30°28'35", long 90°05'22", sec. 26, T. 6 S., R. 11 E., St. Tammany Parish, Hydrologic Unit 08090201, at bridge 0.5 mile east of courthouse in Covington.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--December 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

EXTREMES FOR THE PERIOD OF RECORD.--Maximum gage height, 16.63 ft, July 1, 2003; minimum, -0.60 ft, Apr. 8, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.63 ft, July 1; minimum gage height, -0.48 ft, June 1.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.05	2.00	0.37	3.24	0.36	1.79	-0.01	1.29	-0.16	14.83	1.59	2.34
2	2.32	1.78	0.58	1.90	0.29	1.40	0.22	1.15	0.09	7.53	1.91	2.06
3	8.30	1.85	0.60	1.05	0.51	1.41	0.69	0.94	0.47	4.24	1.43	1.86
4	12.00	1.93	0.88	0.80	0.38	1.90	0.96	1.01	0.51	4.05	1.06	1.75
5	5.62	2.88	1.49	0.69	0.59	1.59	1.13	1.26	0.88	4.90	0.71	1.60
6	3.16	3.23	1.26	0.57	1.12	1.26	1.39	1.31	1.30	6.68	0.65	1.69
7	2.80	2.00	0.90	0.62	0.71	2.09	2.10	1.39	0.98	3.89	0.30	1.74
8	2.42	1.44	0.67	0.29	0.53	2.39	7.05	1.27	0.82	3.38	0.36	1.88
9	2.22	1.38	0.72	0.22	0.73	1.77	7.32	1.41	0.63	3.11	0.60	1.78
10	4.04	1.48	1.16	0.31	0.77	1.38	2.92	1.44	0.53	1.92	0.71	1.66
11	3.23	4.63	1.19	0.44	0.57	1.21	1.41	0.91	0.58	1.45	0.79	1.70
12	2.30	8.81	1.20	0.62	0.61	1.23	0.98	0.78	0.60	1.54	0.99	1.94
13	1.79	3.63	1.57	0.67	0.50	2.44	0.84	0.85	0.79	1.54	1.13	1.93
14	1.71	1.96	0.77	0.52	0.71	3.52	0.73	0.99	1.04	1.57	1.11	1.58
15	1.66	1.64	0.52	0.47	1.00	2.33	0.67	0.84	2.02	1.79	1.33	1.52
16	1.41	1.26	0.51	0.44	1.47	1.75	0.99	0.81	1.69	1.62	1.45	1.51
17	1.40	0.90	0.56	-0.03	0.90	2.11	0.85	0.93	1.41	1.31	1.41	1.49
18	1.40	0.66	0.88	0.04	0.65	1.96	0.83	0.57	2.04	1.17	1.15	1.52
19	1.57	0.61	1.30	-0.12	0.67	2.08	1.11	0.61	1.57	1.04	0.90	1.42
20	1.38	0.97	0.93	-0.02	0.72	1.72	1.27	0.86	3.44	4.11	0.99	1.23
21	1.45	1.67	0.69	0.06	3.79	1.14	1.09	1.08	3.74	3.08	1.22	1.58
22	1.47	1.15	0.67	0.16	6.94	0.92	0.93	0.94	2.80	1.11	1.47	1.70
23	1.54	0.88	1.17	-0.19	3.66	0.87	1.07	0.99	1.56	0.61	1.61	1.57
24	1.63	0.78	7.63	-0.02	1.94	0.77	1.58	1.05	1.40	1.42	1.65	1.69
25	1.75	0.81	6.81	0.02	1.43	0.73	1.30	0.82	1.81	1.56	1.62	1.81
26	1.95	0.83	2.48	0.20	1.64	0.73	0.96	0.61	1.79	1.25	1.50	2.09
27	2.95	0.64	1.46	0.32	2.98	1.07	1.19	0.74	1.70	1.20	1.42	2.02
28	5.31	0.66	1.04	0.38	2.30	1.36	1.01	0.82	1.61	1.08	1.47	1.54
29	5.03	0.54	0.85	0.51	---	0.97	1.09	0.55	2.04	1.02	1.69	1.47
30	4.79	0.33	0.91	0.49	---	0.30	1.24	0.20	4.89	2.25	2.18	1.68
31	2.63	---	3.08	0.55	---	0.11	---	0.03	---	1.47	2.56	---
MAX	12.00	8.81	7.63	3.24	6.94	3.52	7.32	1.44	4.89	14.83	2.56	2.34
MIN	1.38	0.33	0.37	-0.19	0.29	0.11	-0.01	0.03	-0.16	0.61	0.30	1.23

07375300 TANGIPAHOA RIVER NEAR KENTWOOD, LA

LOCATION.--Lat 30°56'15", long 90°29'25", between secs. 43 and 45, T. 1 S., R. 7 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, on downstream side of bridge on State Highway 38, 0.9 mi upstream from Terry's Creek, 1.1 mi east of Kentwood, and 1.7 mi downstream from Irving Branch.

DRAINAGE AREA.--241 mi².

PERIOD OF RECORD.--December 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 180.07 ft NGVD of 1929.

REMARKS.--Satellite telemetry at station.

EXTREME FOR PERIOD OF RECORD.--Maximum gage height, 15.35 ft, Sept. 27, 2002; minimum, 2.19 ft, Sept. 6, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.47 ft, Feb. 22; minimum gage height, 2.62 ft, Sept. 19, 20, 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.83	6.42	3.03	5.32	3.71	4.39	3.01	2.95	2.67	9.63	2.92	2.85
2	3.59	4.38	2.98	4.88	3.37	3.98	3.00	2.95	2.72	8.38	3.66	2.79
3	6.96	3.89	2.99	4.21	3.22	3.72	2.99	2.93	3.42	5.16	3.29	2.78
4	11.63	5.81	3.41	3.78	3.17	3.64	3.00	2.91	3.19	4.99	3.05	2.84
5	10.19	9.89	4.78	3.56	3.12	3.57	2.99	2.88	2.90	6.29	2.98	2.91
6	7.44	11.10	4.68	3.43	3.69	3.61	3.00	2.87	2.80	10.00	2.90	2.82
7	5.19	9.26	4.06	3.33	8.48	3.68	3.03	2.86	2.85	6.64	2.86	2.74
8	4.29	5.66	3.62	3.24	7.27	3.46	8.50	2.86	2.90	4.47	2.83	2.73
9	3.87	4.36	3.41	3.21	5.36	3.38	7.00	2.85	2.79	4.61	2.81	2.71
10	3.80	3.94	3.62	3.19	4.84	3.30	4.28	2.83	2.74	4.10	2.79	2.69
11	3.72	4.40	3.68	3.16	4.61	3.21	3.76	2.83	2.77	3.84	2.79	2.68
12	3.58	4.69	3.46	3.10	4.12	3.20	3.53	2.84	2.73	4.74	2.77	2.67
13	3.53	4.07	3.96	3.07	3.75	6.01	3.40	2.85	3.07	4.07	2.91	2.70
14	3.34	3.63	4.34	3.05	3.53	6.25	3.30	2.90	5.66	3.61	2.91	2.84
15	3.17	3.45	4.02	3.04	3.83	4.64	3.23	2.93	6.55	3.39	2.81	2.74
16	3.09	3.36	3.68	3.03	8.13	4.11	3.18	2.97	8.73	3.28	2.78	2.69
17	3.02	3.26	3.47	3.02	7.04	4.15	3.14	2.90	7.06	3.18	2.76	2.65
18	2.98	3.15	3.34	3.00	5.12	4.03	3.11	2.98	4.17	3.24	2.74	2.64
19	2.95	3.14	3.30	2.98	4.23	5.42	3.08	2.96	4.00	3.17	2.73	2.63
20	2.93	3.24	3.36	2.99	3.86	5.30	3.07	2.93	3.60	3.18	2.78	2.63
21	2.93	3.43	3.45	3.00	6.54	4.51	3.19	2.96	5.45	3.16	2.84	2.65
22	2.93	3.25	3.38	3.01	11.08	3.87	3.12	3.08	6.25	3.06	2.91	2.94
23	2.91	3.13	3.33	3.00	10.87	3.59	3.08	2.94	4.19	4.11	2.88	2.97
24	2.93	3.07	6.43	2.99	10.37	3.42	3.05	2.85	3.58	8.88	2.78	2.79
25	3.12	3.05	7.35	2.92	5.51	3.32	3.33	2.77	3.31	6.00	2.74	2.73
26	9.13	3.03	5.34	2.95	4.52	3.27	3.24	2.82	3.16	4.07	2.74	2.72
27	9.11	3.00	4.28	3.02	7.29	3.24	3.09	3.31	3.27	3.54	2.72	2.69
28	9.49	2.99	3.84	3.01	5.74	3.18	3.02	3.02	3.78	3.22	2.71	2.68
29	8.28	2.94	3.60	3.02	---	3.13	2.99	2.80	3.59	3.14	2.70	2.67
30	9.25	2.97	3.46	3.42	---	3.06	2.96	2.74	3.92	3.03	2.76	2.63
31	9.42	---	3.91	3.88	---	3.04	---	2.70	---	2.96	2.90	---
MAX	11.63	11.10	7.35	5.32	11.08	6.25	8.50	3.31	8.73	10.00	3.66	2.97
MIN	2.91	2.94	2.98	2.92	3.12	3.04	2.96	2.70	2.67	2.96	2.70	2.63

07375422 BIG CREEK EAST OF TANGIPAHOA, LA

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

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.00 ft above NAVD 88.

REMARKS.--Satellite telemetry at station.

EXTREME FOR PERIOD OF RECORD.--Maximum gage height, 18.33 ft, Aug. 12, 2001; minimum recorded, 7.57 ft, many days, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.33 ft, July 1; minimum gage height, 7.88 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.01	8.23	8.03	9.46	8.06	8.72	8.07	8.02	7.97	15.80	8.14	8.02
2	7.99	8.12	8.00	8.62	8.04	8.54	8.06	8.02	7.98	10.24	8.06	7.96
3	12.80	8.08	8.01	8.37	8.04	8.41	8.06	8.01	8.31	9.00	8.26	7.95
4	12.76	8.21	8.57	8.24	8.06	8.42	8.06	8.01	8.29	12.31	8.07	7.94
5	9.01	10.64	9.66	8.20	8.03	8.37	8.07	8.00	8.04	11.91	8.02	7.96
6	8.47	10.97	8.63	8.16	8.64	---	8.11	8.00	8.03	13.70	8.00	7.94
7	8.25	8.77	8.31	8.11	9.98	---	9.30	8.00	8.51	9.56	7.99	7.93
8	8.13	8.40	8.20	8.09	8.47	---	14.77	7.99	8.12	8.80	7.99	7.93
9	8.09	8.24	8.14	8.09	8.27	---	11.84	7.99	8.03	8.57	7.98	7.92
10	8.20	8.18	8.78	8.08	8.24	---	9.06	7.98	8.00	8.39	7.97	7.92
11	8.18	9.84	8.61	8.05	8.17	8.44	8.64	7.98	7.99	8.32	7.97	7.91
12	8.10	9.87	8.30	8.04	8.12	8.55	8.43	7.98	7.98	8.49	7.98	7.91
13	8.06	8.71	8.61	8.04	8.09	13.27	8.30	7.98	8.05	8.27	8.01	7.95
14	8.01	8.36	8.40	8.04	8.08	12.22	8.23	8.00	9.47	8.19	7.99	8.05
15	7.99	8.29	8.22	8.02	8.67	9.24	8.18	7.99	10.82	8.16	7.97	7.95
16	7.98	8.76	8.16	8.02	11.33	8.81	8.16	7.99	12.34	8.13	7.96	7.92
17	7.96	8.28	8.12	8.01	8.85	9.23	8.15	7.98	8.80	8.11	8.42	7.91
18	7.94	8.16	8.11	8.01	8.43	8.82	8.13	8.07	8.34	8.12	8.03	7.90
19	7.94	8.10	8.12	8.01	8.29	9.36	8.11	8.02	8.18	8.10	7.97	7.90
20	7.94	8.16	8.12	8.01	8.22	8.71	8.10	7.98	8.10	8.11	7.95	7.90
21	7.94	8.32	8.09	8.02	12.06	8.43	8.10	7.98	9.05	8.25	7.95	7.92
22	7.93	8.15	8.08	8.02	15.04	8.32	8.09	7.97	10.58	8.13	8.05	9.05
23	7.93	8.07	8.18	8.01	9.91	8.25	8.07	7.96	8.46	8.20	7.97	8.59
24	7.93	8.04	11.40	7.99	8.92	8.21	8.09	7.95	8.18	8.28	7.94	8.02
25	8.06	8.03	10.04	8.00	8.60	8.18	8.14	7.94	8.10	8.13	7.93	7.96
26	9.80	8.02	8.64	8.02	8.76	8.16	8.09	8.71	8.49	8.76	7.93	7.94
27	9.70	8.01	8.40	8.03	11.81	8.15	8.06	9.54	9.59	8.18	7.92	7.93
28	10.64	8.00	8.28	8.02	9.19	8.13	8.04	8.15	9.06	8.09	7.92	7.91
29	9.89	7.99	8.21	8.03	---	8.10	8.04	8.04	8.97	8.06	7.92	7.90
30	9.34	8.04	8.18	8.33	---	8.08	8.02	8.00	11.50	8.09	7.96	7.89
31	8.50	---	9.28	8.13	---	8.07	---	7.98	---	8.09	8.09	---
MAX	12.80	10.97	11.40	9.46	15.04	---	14.77	9.54	12.34	15.80	8.42	9.05
MIN	7.93	7.99	8.00	7.99	8.03	---	8.02	7.94	7.97	8.06	7.92	7.89

07375430 TANGIPAHOA RIVER AT AMITE, LA

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

DRAINAGE AREA.--296 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 80.00 ft above NAVD 88.

EXTREME FOR PERIOD OF RECORD.--Maximum gage height, 19.42 ft, Sept. 28, 2002; minimum, 5.45 ft, Nov. 20, 21, 22, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.56 ft, July 1; minimum gage height, 5.92 ft, Jan. 23, 24, 25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.70	8.51	6.12	7.40	6.30	7.76	6.43	6.53	6.31	14.01	6.43	6.28
2	7.45	7.35	6.11	7.11	6.15	7.44	6.42	6.51	6.30	10.51	6.73	6.21
3	10.67	7.03	6.12	6.76	6.09	7.23	6.42	6.50	6.53	8.17	6.68	6.19
4	---	7.24	6.41	6.52	6.04	7.14	6.42	6.49	6.74	8.12	6.45	6.19
5	---	9.86	7.67	6.39	6.02	7.08	6.43	6.48	6.48	8.73	6.37	6.24
6	---	11.65	7.22	6.31	6.15	7.23	6.45	6.46	6.41	11.06	6.32	6.22
7	---	10.56	6.78	6.24	8.57	8.60	6.65	6.44	6.41	9.60	6.30	6.18
8	---	8.41	6.48	6.19	8.37	7.65	11.13	6.43	6.45	7.70	6.28	6.17
9	---	7.42	6.33	6.17	7.44	7.11	11.91	6.42	6.36	7.27	6.26	6.16
10	---	7.09	6.48	6.14	6.89	6.96	8.19	6.41	6.32	7.23	6.24	6.15
11	---	7.60	6.64	6.10	6.86	6.84	7.51	6.39	6.47	6.90	6.23	6.14
12	---	7.70	6.40	6.06	6.61	6.80	7.25	6.38	6.37	7.11	6.22	6.13
13	---	7.17	6.54	6.05	6.43	10.43	7.10	6.40	6.43	6.99	6.23	6.16
14	---	6.86	6.82	6.03	6.31	10.31	7.00	6.41	7.12	6.78	6.28	6.24
15	---	6.72	6.59	6.02	6.46	8.13	6.92	6.42	8.14	6.66	6.23	6.20
16	---	6.69	6.43	6.02	9.03	7.49	6.87	6.42	9.22	6.59	6.21	6.15
17	---	6.56	6.32	5.99	8.51	7.48	6.82	6.41	8.82	6.54	6.24	6.13
18	---	6.48	6.25	5.98	7.41	7.35	6.78	6.42	7.15	6.54	6.22	6.11
19	---	6.44	6.20	5.98	6.85	7.66	6.75	6.44	6.80	6.52	6.18	6.11
20	---	6.44	6.18	5.98	6.60	7.78	6.73	6.42	6.68	6.50	6.20	6.10
21	---	6.56	6.19	6.00	8.92	7.31	6.73	6.39	6.96	6.80	6.25	6.12
22	---	6.46	6.20	5.98	13.88	7.01	6.71	6.43	8.41	6.53	6.33	6.35
23	---	6.37	6.24	5.95	14.40	6.83	6.67	6.40	7.13	6.64	6.28	6.46
24	---	6.30	8.65	5.94	12.34	6.72	6.67	6.36	6.66	8.02	6.21	6.23
25	---	6.25	9.10	5.94	9.04	6.64	6.84	6.33	6.50	7.95	6.18	6.17
26	9.01	6.21	7.67	5.95	7.99	6.58	6.74	6.41	6.42	7.04	6.17	6.15
27	10.13	6.16	7.00	5.97	9.98	6.55	6.64	7.05	6.76	6.70	6.17	6.14
28	10.45	6.14	6.69	5.98	8.77	6.53	6.60	6.58	7.52	6.52	6.16	6.12
29	9.74	6.12	6.52	5.99	---	6.49	6.57	6.42	6.79	6.45	6.15	6.11
30	9.63	6.12	6.41	6.20	---	6.45	6.55	6.36	7.93	6.42	6.16	6.09
31	9.38	---	6.71	6.30	---	6.43	---	6.33	---	6.39	6.24	---
MAX	---	11.65	9.10	7.40	14.40	10.43	11.91	7.05	9.22	14.01	6.73	6.46
MIN	---	6.12	6.11	5.94	6.02	6.43	6.42	6.33	6.30	6.39	6.15	6.09

07375500 TANGIPAHOA RIVER AT ROBERT, LA

LOCATION.--Lat 30°30'23", long 90°21'42", on line between secs. 39 and 40, T. 6 S., R. 8 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chappepeela Creek, and 6.0 mi east of Hammond.

DRAINAGE AREA.--646 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 6.60 ft above NAVD 88. Prior to Oct. 1, 2001, datum of gage is 6.87 ft, above NGVD of 1929. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good. Satellite telemetry at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 4	1830	15,400	18.84	Mar 15	0000	8,740	16.60
Nov 7	0700	8,000	16.26	Apr 9	1530	13,400	18.25
Dec 25	1145	9,080	16.74	Jul 1	1720	*23,500	*20.42
Feb 23	0530	12,900	18.11	Jul 7	0600	8,570	16.53

Minimum discharge, 500 ft³/s, Sept. 30, gage height, 6.78 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,740	4,230	838	2,050	816	3,890	780	690	666	18,200	1,020	623
2	1,530	2,540	834	2,090	787	2,110	765	680	667	15,400	1,190	609
3	3,200	1,500	822	1,530	728	1,610	754	677	699	9,120	1,510	576
4	13,300	1,280	910	1,210	711	1,380	745	668	841	5,870	1,340	564
5	12,900	2,650	1,690	1,040	689	1,270	955	659	815	4,870	946	571
6	9,480	6,370	2,180	969	688	1,340	1,370	650	741	6,160	817	584
7	5,030	7,850	1,570	917	1,360	3,800	1,300	643	712	8,350	771	562
8	2,470	5,980	1,240	876	2,890	4,950	7,330	638	729	5,530	822	544
9	1,660	2,790	1,060	843	2,150	2,820	12,900	633	718	2,470	743	538
10	1,460	1,790	1,050	821	1,350	1,670	9,560	628	694	1,820	697	533
11	1,500	2,510	1,280	800	1,130	1,330	3,410	626	693	1,470	670	528
12	1,340	4,020	1,190	781	1,040	1,140	1,690	621	730	1,870	656	524
13	1,160	2,770	1,140	760	945	2,490	1,270	622	702	2,090	643	580
14	1,060	1,720	1,300	746	866	7,530	1,070	648	919	1,380	649	759
15	985	1,400	1,270	732	865	7,230	979	641	1,670	1,100	648	689
16	923	1,310	1,100	720	2,830	3,220	920	642	2,900	1,000	634	584
17	874	1,210	1,010	712	4,410	2,080	875	645	3,620	976	704	542
18	831	1,090	955	701	3,020	2,000	841	671	2,670	982	644	526
19	796	1,030	923	694	1,570	1,890	812	664	1,280	932	607	517
20	769	1,020	911	686	1,160	2,340	790	682	1,100	892	598	513
21	746	1,080	900	682	2,490	1,890	793	671	1,030	904	612	512
22	730	1,090	896	679	9,340	1,430	804	659	2,050	928	652	541
23	715	1,010	1,140	673	12,500	1,170	770	670	2,490	860	668	683
24	700	957	6,220	666	11,800	1,050	746	660	1,300	1,330	626	639
25	700	926	8,700	661	9,290	986	842	653	1,000	2,660	593	559
26	1,280	905	5,790	658	4,120	942	954	648	937	1,750	576	536
27	3,710	885	2,460	665	3,730	911	822	810	1,010	1,160	572	535
28	5,430	864	1,500	665	5,950	887	750	914	1,940	959	569	538
29	6,600	848	1,200	658	---	858	720	737	2,200	896	560	513
30	6,490	841	1,050	672	---	827	703	688	3,650	1,560	591	503
31	5,210	---	1,280	794	---	801	---	670	---	1,020	616	---
TOTAL	96,319	64,466	54,409	27,151	89,225	67,842	57,020	20,808	41,173	104,509	22,944	17,025
MEAN	3,107	2,149	1,755	876	3,187	2,188	1,901	671	1,372	3,371	740	568
MAX	13,300	7,850	8,700	2,090	12,500	7,530	12,900	914	3,650	18,200	1,510	75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

[illegible]

07375500 TANGIPAHOA RIVER AT ROBERT, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	537,326		662,891			
ANNUAL MEAN	1,472		1,816		1,173	
HIGHEST ANNUAL MEAN					2,258	1983
LOWEST ANNUAL MEAN					366	2000
HIGHEST DAILY MEAN	16,200	Sep 29	18,200	Jul 1	78,500	Apr 7, 1983
LOWEST DAILY MEAN	450	May 29	503	Sep 30	233	Sep 7, 2000
ANNUAL SEVEN-DAY MINIMUM	458	May 23	534	Sep 16	238	Sep 1, 2000
MAXIMUM PEAK FLOW			23,500	Jul 1	85,000	Apr 7, 1983
MAXIMUM PEAK STAGE			20.42	Jul 1	25.87	Apr 7, 1983
INSTANTANEOUS LOW FLOW			500	Sep 30	232	Sep 7, 2000
ANNUAL RUNOFF (CFSM)	2.28		2.81		1.82	
ANNUAL RUNOFF (INCHES)	30.94		38.17		24.68	
10 PERCENT EXCEEDS	2,750		4,060		2,090	
50 PERCENT EXCEEDS	830		923		646	
90 PERCENT EXCEEDS	507		622		382	

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.97	13.76	7.57	10.86	7.80	13.34	7.87	7.52	7.02	19.25	8.88	7.35
2	10.07	11.61	7.56	10.93	7.70	11.08	7.82	7.47	7.01	18.71	9.36	7.30
3	12.09	9.79	7.52	9.84	7.48	10.18	7.78	7.45	7.12	16.73	10.07	7.17
4	18.19	9.26	7.83	9.08	7.42	9.67	7.74	7.40	7.62	15.08	9.69	7.13
5	18.08	11.58	9.84	8.63	7.33	9.41	8.39	7.36	7.53	14.34	8.61	7.15
6	16.87	15.35	10.88	8.36	7.33	9.57	9.59	7.31	7.26	15.18	8.15	7.19
7	14.38	16.18	9.66	8.16	9.18	13.22	9.24	7.28	7.15	16.43	7.98	7.11
8	11.69	15.09	8.84	8.01	12.18	14.41	15.63	7.24	7.21	14.71	8.16	7.04
9	10.36	11.85	8.36	7.90	11.01	12.10	18.10	7.21	7.17	11.69	7.86	7.01
10	10.02	10.14	8.35	7.82	9.41	10.29	16.84	7.18	7.08	10.67	7.70	6.99
11	10.06	11.39	8.96	7.74	8.90	9.55	12.82	7.16	7.08	9.98	7.59	6.96
12	9.66	13.53	8.72	7.68	8.63	9.12	10.47	7.13	7.22	10.76	7.53	6.94
13	9.24	11.84	8.61	7.60	8.27	11.27	9.59	7.12	7.11	11.12	7.49	7.15
14	8.95	9.99	8.99	7.55	7.98	15.99	9.11	7.20	7.90	9.79	7.51	7.80
15	8.68	9.24	8.92	7.49	7.97	15.82	8.79	7.16	9.87	9.15	7.50	7.54
16	8.45	9.01	8.51	7.45	12.02	12.60	8.56	7.15	12.06	8.81	7.45	7.16
17	8.27	8.79	8.21	7.42	13.93	11.05	8.38	7.15	13.08	8.72	7.70	7.00
18	8.12	8.49	8.00	7.38	12.29	10.92	8.25	7.23	11.63	8.74	7.47	6.93
19	7.99	8.29	7.88	7.35	9.93	10.72	8.13	7.19	8.99	8.56	7.34	6.89
20	7.89	8.23	7.83	7.32	8.97	11.45	8.04	7.24	8.55	8.41	7.30	6.86
21	7.81	8.45	7.79	7.31	11.12	10.71	8.04	7.18	8.31	8.46	7.35	6.86
22	7.75	8.48	7.77	7.30	16.75	9.78	8.07	7.13	10.55	8.55	7.49	6.98
23	7.69	8.19	8.38	7.28	17.98	9.20	7.93	7.16	11.41	8.30	7.54	7.48
24	7.64	8.00	15.15	7.25	17.73	8.85	7.82	7.11	9.04	9.63	7.39	7.33
25	7.63	7.89	16.58	7.23	16.78	8.62	8.16	7.07	8.21	11.98	7.27	7.04
26	9.33	7.81	14.91	7.22	13.54	8.46	8.55	7.04	7.97	10.48	7.20	6.94
27	13.22	7.74	11.50	7.25	13.20	8.34	8.06	7.61	8.21	9.29	7.19	6.94
28	14.78	7.66	9.77	7.25	15.14	8.26	7.78	7.98	10.43	8.66	7.17	6.95
29	15.52	7.61	9.06	7.22	---	8.15	7.66	7.32	10.95	8.43	7.13	6.83
30	15.46	7.58	8.67	7.28	---	8.04	7.58	7.13	12.75	10.14	7.24	6.79
31	14.62	---	9.22	7.72	---	7.95	---	7.05	---	8.87	7.33	---
MAX	18.19	16.18	16.58	10.93	17.98	15.99	18.10	7.98	13.08	19.25	10.07	7.80
MIN	7.63	7.58	7.52	7.22	7.33	7.95	7.58	7.04	7.01	8.30	7.13	6.79

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 September 2001 (gage heights only), October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 204.44 ft above NGVD of 1929 (levels by Louisiana Department of Transportation and Development). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

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

AVERAGE DISCHARGE.--14 years (1957-68, 1980-81), 116 ft³/s, 17.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s, Apr. 6, 1983, maximum gage height, 13.30 ft; minimum gage height, 1.43 ft, July 15, 16, 2000.

EXTREMES FOR CURRENT YEAR.--2002 W.Y.: Maximum discharge, 4,290 ft³/s, Sept. 27, gage height, 10.77 ft; minimum discharge, 29 ft³/s, on several days, gage height, 1.78 ft.

2003 W.Y.: Maximum discharge, 3,490 ft³/s, Feb. 22, gage height, 10.38 ft; minimum discharge, 41 ft³/s, June 9, 10, gage height, 1.51 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	37	e82	50	138	69	173	40	72	42	33	24
2	37	37	e53	50	180	636	106	40	48	40	33	24
3	37	40	e54	49	97	659	75	41	43	41	33	25
4	36	42	56	48	74	140	62	41	41	38	33	25
5	37	43	54	58	67	88	55	40	41	52	35	25
6	44	44	52	103	96	73	49	39	43	55	845	27
7	42	45	52	82	146	65	47	39	42	44	987	32
8	39	45	51	67	110	59	254	39	44	46	125	33
9	38	45	51	60	81	56	1,410	39	48	45	55	30
10	39	45	50	57	69	53	1,470	39	e44	55	41	29
11	65	43	50	54	61	51	269	38	e48	59	39	29
12	213	44	50	55	57	73	103	38	44	50	37	29
13	157	44	133	63	54	86	78	38	39	56	45	29
14	691	44	393	73	51	74	66	39	39	72	84	29
15	339	45	198	64	49	62	58	40	39	141	88	29
16	99	46	102	57	48	57	53	40	38	122	50	30
17	67	46	93	53	47	54	49	42	40	80	76	30
18	54	47	116	51	45	50	47	46	39	47	42	30
19	48	50	99	71	45	48	45	46	40	39	34	30
20	45	50	75	465	149	51	43	46	40	37	31	31
21	43	50	64	331	171	124	41	46	43	35	30	34
22	41	50	59	121	85	86	39	46	42	39	44	70
23	40	52	59	93	66	61	38	45	40	47	48	41
24	40	57	57	83	58	53	38	45	38	45	34	31
25	39	59	54	190	53	49	40	46	38	38	29	50
26	38	59	53	135	50	437	41	48	41	37	27	1,780
27	37	83	51	90	47	2,200	42	49	49	36	27	3,090
28	37	197	54	74	45	949	42	50	66	34	26	1,310
29	37	e49	55	66	---	138	41	50	67	33	25	186
30	37	e112	53	62	---	93	40	128	47	41	24	86
31	37	---	51	e95	---	80	---	235	---	39	24	---
TOTAL	2,590	1,650	2,474	2,970	2,239	6,774	4,914	1,598	1,343	1,585	3,084	7,248
MEAN	83.5	55.0	79.8	95.8	80.0	219	164	51.5	44.8	51.1	99.5	242
MAX	691	197	393	465	180	2,200	1,470	235	72	141	987	3,090
MIN	36	37	50	48	45	48	38	38	38	33	24	24
CFSM	0.93	0.61	0.89	1.07	0.89	2.44	1.83	0.57	0.50	0.57	1.11	2.69
IN.	1.07	0.68	1.03	1.23	0.93	2.81	2.04	0.66	0.56	0.66	1.28	3.01

07375800 TICKFAW RIVER AT LIVERPOOL, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.60	1.60	---	1.87	3.05	2.11	3.45	1.94	2.43	1.94	1.87	1.63
2	1.59	1.60	---	1.87	3.52	6.13	2.73	1.96	2.05	1.89	1.86	1.64
3	1.59	1.65	---	1.86	2.61	6.16	2.30	1.99	1.94	1.91	1.87	1.66
4	1.58	1.71	1.98	1.84	2.29	3.11	2.09	2.01	1.90	1.84	1.88	1.65
5	1.60	1.74	1.94	2.00	2.17	2.50	1.97	2.02	1.90	2.07	1.91	1.66
6	1.74	1.76	1.92	2.69	2.59	2.27	1.86	2.01	1.96	2.16	6.35	1.71
7	1.72	1.78	1.90	2.40	3.20	2.13	1.81	2.02	1.93	1.97	7.05	1.79
8	1.64	1.77	1.90	2.16	2.78	2.04	3.49	2.02	1.98	2.01	3.09	1.87
9	1.62	1.76	1.89	2.05	2.39	1.98	8.16	2.01	2.05	1.99	2.31	1.81
10	1.63	1.77	1.88	2.00	2.21	1.93	8.29	2.01	---	2.17	2.05	1.78
11	2.05	1.73	1.88	1.96	2.07	1.90	4.03	2.00	---	2.25	2.01	1.77
12	3.78	1.74	1.88	1.97	1.99	2.25	2.69	2.00	1.97	2.09	1.98	1.76
13	3.14	1.74	2.91	2.11	1.94	2.46	2.35	2.01	1.87	2.18	2.08	1.76
14	6.38	1.76	5.06	2.26	1.89	2.29	2.15	2.03	1.86	2.44	2.71	1.77
15	4.52	1.77	3.66	2.11	1.85	2.09	2.02	2.04	1.85	3.22	2.75	1.78
16	2.64	1.80	2.68	2.00	1.83	1.99	1.93	2.05	1.84	3.07	2.23	1.79
17	2.17	1.80	2.57	1.94	1.80	1.95	1.86	2.09	1.88	2.64	2.59	1.80
18	1.96	1.82	2.86	1.90	1.78	1.87	1.82	2.16	1.86	2.18	2.07	1.80
19	1.84	1.87	2.64	2.21	1.77	1.82	1.79	2.18	1.88	2.02	1.89	1.80
20	1.76	1.88	2.30	5.33	3.10	1.87	1.76	2.18	1.89	1.96	1.81	1.82
21	1.72	1.87	2.12	4.51	3.41	2.94	1.75	2.18	1.94	1.92	1.76	1.90
22	1.69	1.87	2.03	2.92	2.45	2.45	1.72	2.17	1.92	2.02	1.93	2.46
23	1.67	1.91	2.03	2.57	2.15	2.07	1.72	2.16	1.88	2.17	2.19	2.05
24	1.65	2.01	2.00	2.42	2.02	1.93	1.74	2.16	1.85	2.13	1.89	1.81
25	1.64	2.03	1.95	3.63	1.93	1.86	1.82	2.17	1.85	2.00	1.74	2.18
26	1.61	2.04	1.92	3.08	1.86	4.74	1.85	2.21	1.90	1.98	1.72	8.19
27	1.60	2.36	1.90	2.53	1.81	9.13	1.89	2.23	2.06	1.94	1.71	10.08
28	1.59	3.68	1.95	2.29	1.78	6.79	1.92	2.24	2.35	1.89	1.69	8.05
29	1.59	---	1.97	2.16	---	3.10	1.92	2.25	2.37	1.88	1.66	3.54
30	1.59	---	1.93	2.09	---	2.56	1.92	3.13	2.03	2.02	1.64	2.55
31	1.60	---	1.89	---	---	2.38	---	3.98	---	2.01	1.63	---
MAX	6.38	---	---	---	3.52	9.13	8.29	3.98	---	3.22	7.05	10.08
MIN	1.58	---	---	---	1.77	1.82	1.72	1.94	---	1.84	1.63	1.63

MISSISSIPPI RIVER DELTA

07375800 TICKFAW RIVER AT LIVERPOOL, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	133	57	351	61	130	60	47	42	265	46	49
2	58	86	58	176	58	109	59	47	42	140	52	51
3	492	72	64	113	57	97	58	47	45	82	53	47
4	1,470	295	104	90	58	92	58	46	43	67	49	49
5	1,300	1,050	206	79	55	91	58	46	42	113	47	49
6	212	1,400	127	72	199	90	58	46	44	293	46	47
7	103	768	87	67	904	86	60	46	43	397	45	46
8	72	156	72	63	631	81	1,150	45	42	129	46	45
9	61	104	65	61	146	78	1,100	45	42	115	45	45
10	58	87	67	60	128	75	177	45	41	132	45	44
11	56	169	68	58	144	72	102	45	45	85	44	44
12	54	103	65	56	103	71	83	44	44	126	44	44
13	51	75	96	55	85	e640	72	45	46	94	44	46
14	48	66	127	54	77	740	66	45	52	70	44	48
15	47	62	91	53	121	276	61	45	129	60	44	46
16	46	59	74	53	585	137	59	45	449	55	44	44
17	44	58	66	53	522	127	57	45	709	52	44	43
18	43	56	62	54	144	127	55	47	125	52	44	43
19	43	55	60	53	103	278	54	46	92	50	43	43
20	43	57	61	53	88	269	53	45	75	52	49	43
21	44	e83	63	53	618	122	53	45	106	52	52	43
22	44	57	63	53	2,790	95	52	45	85	49	119	48
23	44	55	64	52	1,870	84	51	44	66	55	78	48
24	45	54	327	52	510	76	53	43	57	97	52	46
25	94	53	541	52	155	72	54	42	53	77	47	45
26	454	52	171	54	146	69	52	45	50	56	46	45
27	391	53	98	54	446	68	50	47	86	50	46	45
28	657	53	77	53	210	66	49	45	78	48	45	44
29	706	53	68	54	---	64	48	43	55	47	45	44
30	1,120	57	62	88	---	62	48	42	102	46	45	43
31	642	---	167	71	---	61	---	42	---	46	48	---
TOTAL	8,609	5,481	3,378	2,310	11,014	4,505	4,010	1,395	2,930	3,052	1,541	1,367
MEAN	278	183	109	74.5	393	145	134	45.0	97.7	98.5	49.7	45.6
MAX	1,470	1,400	541	351	2,790	740	1,150	47	709	397	119	51
MIN	43	52	57	52	55	61	48	42	41	46	43	43
CFSM	3.10	2.04	1.21	0.83	4.39	1.62	1.49	0.50	1.09	1.10	0.55	0.51
IN.	3.57	2.27	1.40	0.96	4.57	1.87	1.66	0.58	1.22	1.27	0.64	0.57

07375800 TICKFAW RIVER AT LIVERPOOL, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.27	3.11	2.01	4.80	1.91	2.87	1.81	1.65	1.53	4.19	1.55	1.62
2	2.13	2.56	2.02	3.43	1.86	2.57	1.78	1.64	1.54	3.00	1.66	1.65
3	4.97	2.35	2.12	2.71	1.84	2.39	1.78	1.64	1.59	2.17	1.69	1.58
4	8.41	4.20	2.69	2.38	1.85	2.33	1.76	1.63	1.56	1.93	1.61	1.62
5	8.05	7.56	3.76	2.21	1.80	2.29	1.77	1.62	1.54	2.62	1.56	1.61
6	3.78	8.51	2.98	2.10	3.08	2.28	1.78	1.62	1.57	4.31	1.55	1.58
7	2.77	6.47	2.47	2.01	7.12	2.23	1.81	1.62	1.57	4.91	1.54	1.55
8	2.36	3.29	2.25	1.95	5.92	2.15	7.13	1.61	1.55	2.87	1.55	1.54
9	2.19	2.71	2.14	1.92	3.12	2.10	7.54	1.60	1.53	2.66	1.53	1.53
10	2.13	2.48	2.16	1.89	2.90	2.05	3.41	1.60	1.52	2.88	1.52	1.52
11	2.10	3.42	2.18	1.85	3.10	2.01	2.55	1.59	1.59	2.21	1.51	1.51
12	2.06	2.69	2.13	1.82	2.57	1.98	2.26	1.59	1.58	2.79	1.51	1.51
13	2.00	2.31	2.59	1.80	2.30	---	2.09	1.60	1.62	2.35	1.52	1.55
14	1.95	2.15	2.99	1.79	2.17	6.57	1.98	1.61	1.73	1.97	1.52	1.59
15	1.93	2.08	2.53	1.78	2.66	4.19	1.90	1.61	2.90	1.81	1.52	1.54
16	1.90	2.04	2.29	1.77	5.93	2.96	1.86	1.60	5.33	1.72	1.51	1.51
17	1.87	2.02	2.16	1.77	5.53	2.83	1.83	1.59	6.41	1.67	1.51	1.49
18	1.85	1.98	2.08	1.78	3.10	2.83	1.80	1.64	2.77	1.67	1.50	1.49
19	1.84	1.97	2.06	1.78	2.57	4.26	1.78	1.61	2.33	1.63	1.50	1.48
20	1.84	2.00	2.07	1.78	2.34	4.17	1.77	1.61	2.07	1.67	1.61	1.48
21	1.86	---	2.10	1.78	5.48	2.76	1.75	1.59	2.53	1.67	1.67	1.50
22	1.87	2.00	2.10	1.78	9.88	2.36	1.74	1.59	2.21	1.61	2.69	1.59
23	1.87	1.96	2.12	1.76	9.03	2.18	1.72	1.57	1.92	1.72	2.11	1.59
24	1.88	1.94	4.48	1.74	5.30	2.07	1.75	1.56	1.76	2.40	1.68	1.55
25	2.39	1.92	5.76	1.74	3.19	2.00	1.78	1.55	1.68	2.08	1.57	1.53
26	5.37	1.91	3.42	1.79	3.02	1.96	1.74	1.60	1.64	1.74	1.54	1.52
27	5.00	1.94	2.63	1.79	5.33	1.93	1.70	1.63	2.12	1.64	1.55	1.53
28	6.27	1.93	2.34	1.77	3.72	1.90	1.68	1.61	2.10	1.59	1.53	1.52
29	6.43	1.94	2.18	1.80	---	1.87	1.67	1.56	1.73	1.57	1.52	1.50
30	7.73	2.00	2.08	2.34	---	1.84	1.66	1.55	2.35	1.56	1.52	1.48
31	5.91	---	3.25	2.07	---	1.82	---	1.54	---	1.54	1.59	---
MAX	8.41	---	5.76	4.80	9.88	---	7.54	1.65	6.41	4.91	2.69	1.65
MIN	1.84	---	2.01	1.74	1.80	---	1.66	1.54	1.52	1.54	1.50	1.48

07375960 TICKFAW RIVER AT MONTPELIER, LA

LOCATION.--Lat 30°41'10", long 90°38'35", sec. 51, T. 4 S., R. 6 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 16, 0.2 mi east of Montpelier.

DRAINAGE AREA.--220 mi².

PERIOD OF RECORD.--May 2001 to September 2003.

GAGE.--Water-stage recorder. Datum of gage is assumed.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,880 ft³/s, June 8, 2001, from regression equation based on comparisons with other stations on same stream; maximum gage height, 13.51 ft, Apr. 9, 2003; minimum discharge, 63 ft³/s, June 30, gage height, 1.95 ft.

EXTREMES FOR CURRENT YEAR.--2001 W.Y. (May to September): Maximum daily discharge, 6,800 ft³/s, June 8, from regression equation based on comparisons with other stations on same stream; maximum gage height, 13.37 ft, June 7; minimum discharge, 63 ft³/s, June 3, gage height, 1.95 ft.
2002 W.Y.: Maximum daily discharge, 4,900 ft³/s, Sept. 28, from regression equation based on comparisons with other stations on same stream; maximum gage height, 13.38 ft; minimum discharge, 77 ft³/s, Nov. 20, Sept. 15, gage height, 2.14 ft.
2003 W.Y.: Maximum daily discharge, 5,610 ft³/s, Feb. 23, from regression equation based on comparisons with other stations on same stream; maximum gage height, 13.51 ft, Apr. 9; minimum discharge, 105 ft³/s, Sept. 30, gage height, 2.48 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									70	533	102	113
2									70	253	101	209
3									67	281	103	644
4									67	229	100	761
5									71	206	94	613
6									e2,940	303	90	457
7									e6,310	229	89	260
8									e6,880	150	89	349
9									e5,660	124	97	1,020
10									e3,820	112	97	1,400
11									3,060	108	102	1,110
12									1,270	167	237	521
13									437	292	407	253
14									323	488	302	189
15									239	414	337	157
16								e75	186	256	245	139
17								72	156	172	187	127
18								73	138	136	141	118
19								72	130	118	120	113
20								72	120	109	110	109
21								73	114	104	105	107
22								72	113	151	100	104
23								71	108	178	96	101
24								70	107	139	94	98
25								69	101	112	91	96
26								70	96	105	92	93
27								70	94	110	96	92
28								70	114	152	108	91
29								69	120	128	207	90
30								68	167	107	153	89
31								70	---	100	117	---
MEAN								---	1,105	196	142	321
MAX								---	6,880	533	407	1,400
MIN								---	67	100	89	89
MED								---	125	151	102	133
AC-FT								---	65,750	12,030	8,750	19,090
CFSM								---	5.02	0.89	0.65	1.46
IN.								---	5.61	1.03	0.75	1.63

e Estimated

07375960 TICKFAW RIVER AT MONTPELIER, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									2.05	5.14	2.44	2.57
2									2.04	3.76	2.44	3.41
3									2.00	3.95	2.46	5.47
4									2.01	3.59	2.43	5.89
5									2.06	3.41	2.35	5.44
6									6.16	4.05	2.30	4.83
7									12.95	3.57	2.29	3.82
8									12.78	2.94	2.29	4.18
9									12.16	2.68	2.38	6.52
10									11.36	2.56	2.39	7.26
11									9.59	2.51	2.43	6.69
12									6.96	2.97	3.59	5.05
13									4.78	4.02	4.68	3.77
14									4.22	5.03	4.10	3.28
15									3.67	4.70	4.31	3.00
16									3.25	3.78	3.71	2.83
17								2.07	2.99	3.13	3.25	2.71
18								2.08	2.83	2.80	2.85	2.63
19								2.08	2.74	2.62	2.64	2.56
20								2.08	2.64	2.53	2.54	2.53
21								2.08	2.58	2.47	2.48	2.51
22								2.07	2.57	2.92	2.42	2.47
23								2.06	2.51	3.18	2.38	2.43
24								2.04	2.50	2.83	2.35	2.40
25								2.03	2.43	2.56	2.32	2.37
26								2.04	2.38	2.48	2.32	2.34
27								2.05	2.35	2.53	2.37	2.32
28								2.04	2.57	2.95	2.51	2.31
29								2.03	2.64	2.72	3.40	2.30
30								2.01	2.99	2.51	2.96	2.29
31								2.05	---	2.42	2.61	---

07375960 TICKFAW RIVER AT MONTPELIER, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	93	161	112	227	e180	e831	107	e295	e119	e120	88
2	86	92	147	110	484	e904	e630	106	e193	e94	e95	86
3	85	92	124	108	372	e2,300	e340	104	e125	e86	e84	86
4	85	91	109	106	253	e1,430	e239	102	e106	e80	e76	86
5	86	90	103	128	203	e549	e203	101	e103	e86	e55	86
6	90	88	100	372	237	e283	e164	100	e99	e99	e153	86
7	92	88	97	346	371	e219	e130	99	e95	e110	e797	86
8	91	87	96	240	354	e199	e430	e105	e94	e104	e1,110	93
9	87	86	94	189	277	e191	e2,170	e104	e95	e88	e527	93
10	86	86	92	162	220	e178	e4,770	e103	e94	e86	e226	90
11	95	86	92	148	194	e163	e3,290	e101	e96	e95	e154	86
12	208	85	92	141	e167	e228	e1,560	e99	e96	e100	e134	83
13	311	85	128	145	e154	e330	e583	e98	e92	e101	123	82
14	849	85	490	149	e145	e300	e293	e99	e89	e95	176	80
15	1,150	84	670	157	e137	e226	e233	e98	e86	e125	281	79
16	662	84	389	145	e132	e190	e214	e97	e82	e184	203	79
17	251	84	259	132	e127	e178	173	e99	e82	e203	159	79
18	180	84	270	124	e122	e169	162	e102	e82	e158	156	80
19	149	84	253	133	e104	e151	151	e102	e83	e119	139	79
20	132	80	214	239	e140	e125	143	e100	e82	e96	116	79
21	121	82	173	467	e270	e219	136	e98	e82	e83	106	84
22	115	82	149	535	e311	e324	130	e97	e82	e81	105	122
23	110	83	140	283	e227	e255	127	e95	e84	e93	183	157
24	107	85	132	227	e166	e155	123	e94	e82	e120	212	123
25	103	85	127	223	e144	e150	120	e94	e78	e123	143	126
26	100	84	121	349	e134	e434	117	e92	e85	e104	114	869
27	97	84	116	291	e123	e1,660	115	e97	e91	e89	103	e3,060
28	95	89	116	220	e100	e2,470	113	e99	e109	e74	98	e4,900
29	94	227	122	185	---	e1,560	111	e95	e136	e95	94	e3,780
30	94	209	124	167	---	e924	109	e132	e143	e157	91	1,880
31	93	---	116	155	---	e645	---	e268	---	e166	89	---
MEAN	193	94.8	175	209	211	558	597	106	105	110	201	560
MAX	1,150	227	670	535	484	2,470	4,770	268	295	203	1,110	4,900
MIN	85	80	92	106	100	125	109	92	78	74	55	79
MED	97	85	124	162	180	228	168	99	93	99	134	86
AC-FT	11,880	5,640	10,740	12,870	11,690	34,290	35,520	6,520	6,230	6,770	12,340	33,300
CFSM	0.88	0.43	0.79	0.95	0.96	2.54	2.71	0.48	0.48	0.50	0.91	2.54
IN.	1.01	0.48	0.92	1.10	1.00	2.92	3.03	0.56	0.53	0.58	1.05	2.84

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.25	2.34	3.04	2.55	3.53	---	---	2.51	---	---	---	2.27
2	2.25	2.33	2.91	2.54	5.01	---	---	2.49	---	---	---	2.25
3	2.24	2.32	2.68	2.52	4.50	---	---	2.47	---	---	---	2.25
4	2.24	2.31	2.53	2.49	3.77	---	---	2.45	---	---	---	2.24
5	2.26	2.30	2.45	2.70	3.39	---	---	2.44	---	---	---	2.24
6	2.30	2.28	2.42	4.49	3.64	---	---	2.43	---	---	---	2.25
7	2.33	2.27	2.39	4.35	4.50	---	---	2.41	---	---	---	2.25
8	2.31	2.27	2.37	3.68	4.41	---	---	---	---	---	---	2.33
9	2.27	2.25	2.35	3.27	3.94	---	---	---	---	---	---	2.34
10	2.25	2.25	2.33	3.05	3.53	---	---	---	---	---	---	2.30
11	2.36	2.25	2.32	2.91	3.32	---	---	---	---	---	---	2.25
12	3.40	2.24	2.32	2.85	---	---	---	---	---	---	---	2.22
13	4.15	2.24	2.69	2.89	---	---	---	---	---	---	2.67	2.20
14	6.03	2.23	4.95	2.93	---	---	---	---	---	---	3.11	2.18
15	6.78	2.23	5.62	3.00	---	---	---	---	---	---	3.95	2.16
16	5.54	2.22	4.55	2.89	---	---	---	---	---	---	3.39	2.16
17	3.74	2.22	3.82	2.76	---	---	3.14	---	---	---	3.01	2.17
18	3.20	2.22	3.89	2.69	---	---	3.05	---	---	---	2.99	2.18
19	2.93	2.22	3.77	2.77	---	---	2.95	---	---	---	2.83	2.17
20	2.77	2.18	3.47	3.65	---	---	2.87	---	---	---	2.60	2.17
21	2.66	2.20	3.14	4.91	---	---	2.80	---	---	---	2.49	2.22
22	2.59	2.20	2.93	5.16	---	---	2.75	---	---	---	2.48	2.61
23	2.53	2.21	2.84	3.98	---	---	2.71	---	---	---	3.14	3.00
24	2.50	2.23	2.77	3.58	---	---	2.67	---	---	---	3.46	2.67
25	2.46	2.24	2.71	3.54	---	---	2.64	---	---	---	2.86	2.69
26	2.42	2.23	2.65	4.38	---	---	2.61	---	---	---	2.58	5.83
27	2.39	2.23	2.60	4.02	---	---	2.59	---	---	---	2.46	10.31
28	2.37	2.29	2.60	3.53	---	---	2.57	---	---	---	2.39	12.91
29	2.36	3.57	2.67	3.24	---	---	2.54	---	---	---	2.35	10.96
30	2.35	3.44	2.68	3.09	---	---	2.52	---	---	---	2.32	7.83
31	2.34	---	2.60	2.98	---	---	---	---	---	---	2.29	---

07375960 TICKFAW RIVER AT MONTPELIER, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	1,340	129	645	184	797	152	140	118	4,060	145	124
2	263	524	130	670	159	384	150	139	118	4,360	165	125
3	706	257	129	413	148	309	148	137	133	956	141	129
4	2,230	235	297	287	143	276	147	136	133	916	139	133
5	3,030	919	1,330	241	139	264	153	134	126	2,080	133	150
6	2,150	2,430	1,450	214	157	344	166	133	125	3,200	128	130
7	1,880	3,100	446	194	800	982	194	131	127	2,380	127	122
8	333	2,260	306	180	1,310	471	1,730	130	129	949	126	119
9	231	922	253	170	1,200	304	e4,920	129	123	409	123	118
10	214	299	249	164	513	272	e4,110	128	118	380	121	116
11	229	435	278	156	302	237	1,990	126	189	344	119	114
12	230	1,040	254	150	290	242	389	125	182	311	118	113
13	183	390	270	145	242	e1,030	289	128	160	315	119	119
14	161	264	329	142	210	e3,530	245	131	172	259	121	152
15	144	225	318	139	225	3,600	220	130	216	211	119	128
16	134	217	262	137	1,010	1,520	201	128	371	187	125	118
17	128	198	226	134	1,560	601	189	128	631	170	136	113
18	122	177	205	132	955	516	180	131	655	161	121	111
19	118	164	191	130	418	602	173	126	400	154	120	110
20	115	164	186	129	281	728	167	129	224	151	120	110
21	113	183	183	129	1,030	557	164	133	293	156	141	109
22	111	180	180	129	e3,400	328	160	133	1,090	151	199	123
23	109	161	191	127	e5,610	261	156	125	607	147	219	158
24	108	150	953	123	e4,840	230	154	119	237	167	188	128
25	109	143	2,510	122	3,440	210	160	119	189	187	143	118
26	400	138	1,370	126	887	196	158	119	165	185	128	114
27	1,150	134	541	131	1,220	186	152	148	169	155	124	113
28	2,200	130	303	131	1,840	179	147	147	309	143	124	112
29	2,330	127	250	129	---	170	145	128	300	143	120	109
30	2,160	128	221	152	---	162	142	122	454	160	119	107
31	1,660	---	263	233	---	156	---	119	---	134	123	---
MEAN	755	568	458	197	1,161	634	582	130	275	764	135	122
MAX	3,030	3,100	2,510	670	5,610	3,600	4,920	148	1,090	4,360	219	158
MIN	108	127	129	122	139	156	142	119	118	134	118	107
MED	230	221	262	142	657	309	165	129	185	187	125	118
AC-FT	46,430	33,790	28,170	12,110	64,490	38,960	34,610	8,000	16,390	46,970	8,320	7,230
CFSM	3.43	2.58	2.08	0.90	5.28	2.88	2.64	0.59	1.25	3.47	0.61	0.55
IN.	3.96	2.88	2.40	1.03	5.50	3.32	2.95	0.68	1.40	4.00	0.71	0.62

e Estimated

07375960 TICKFAW RIVER AT MONTPELIER, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.99	7.16	2.74	5.53	3.24	5.90	2.96	2.84	2.62	10.56	2.88	2.68
2	3.41	4.96	2.74	5.62	3.02	4.57	2.94	2.83	2.62	10.81	3.07	2.69
3	5.13	3.80	2.74	4.68	2.92	4.14	2.92	2.81	2.77	6.10	2.85	2.73
4	8.58	3.64	3.92	4.00	2.87	3.94	2.91	2.80	2.77	6.13	2.83	2.76
5	9.59	5.96	7.12	3.68	2.83	3.86	2.96	2.78	2.70	8.36	2.77	2.93
6	8.51	8.87	7.28	3.48	2.99	4.30	3.08	2.77	2.69	9.80	2.72	2.74
7	8.00	9.68	4.69	3.32	5.81	6.35	3.29	2.76	2.71	8.74	2.71	2.66
8	4.26	8.67	3.96	3.20	7.11	4.90	7.46	2.74	2.74	6.34	2.70	2.64
9	3.61	6.00	3.61	3.12	6.87	4.11	12.88	2.73	2.68	4.65	2.68	2.62
10	3.47	4.08	3.59	3.06	4.99	3.91	11.31	2.72	2.62	4.54	2.65	2.60
11	3.59	4.59	3.79	2.99	4.09	3.65	8.06	2.71	3.22	4.34	2.63	2.58
12	3.60	6.52	3.62	2.93	4.02	3.67	4.58	2.70	3.20	4.15	2.62	2.57
13	3.23	4.57	3.74	2.89	3.69	8.90	4.01	2.73	3.02	4.17	2.63	2.63
14	3.04	3.85	4.10	2.86	3.44	12.12	3.72	2.76	3.13	3.81	2.65	2.95
15	2.88	3.56	4.03	2.83	3.54	10.12	3.52	2.75	3.47	3.45	2.63	2.72
16	2.79	3.50	3.68	2.81	6.33	7.43	3.38	2.72	4.45	3.26	2.68	2.62
17	2.72	3.35	3.41	2.79	7.54	5.40	3.28	2.72	5.48	3.12	2.80	2.57
18	2.66	3.17	3.24	2.76	6.37	5.12	3.20	2.75	5.58	3.03	2.66	2.55
19	2.63	3.06	3.13	2.75	4.67	5.40	3.14	2.70	4.52	2.98	2.64	2.54
20	2.58	3.06	3.09	2.73	3.96	5.80	3.09	2.73	3.55	2.94	2.64	2.53
21	2.57	3.23	3.07	2.74	6.06	5.25	3.06	2.78	3.98	2.99	2.84	2.53
22	2.55	3.20	3.04	2.74	11.15	4.25	3.02	2.77	6.55	2.95	3.35	2.67
23	2.53	3.04	3.13	2.71	12.92	3.83	2.99	2.69	5.17	2.90	3.52	3.01
24	2.51	2.94	6.03	2.68	12.18	3.60	2.97	2.63	3.65	3.09	3.27	2.72
25	2.53	2.87	9.00	2.66	9.97	3.44	3.03	2.63	3.28	3.25	2.87	2.62
26	4.26	2.82	7.15	2.70	6.00	3.33	3.01	2.63	3.07	3.24	2.73	2.58
27	6.77	2.78	5.15	2.75	6.85	3.25	2.95	2.91	3.10	2.98	2.68	2.57
28	8.57	2.74	4.10	2.76	8.03	3.19	2.91	2.91	4.12	2.87	2.69	2.56
29	8.76	2.72	3.75	2.73	---	3.12	2.89	2.73	4.07	2.87	2.64	2.53
30	8.52	2.72	3.53	2.94	---	3.05	2.86	2.66	4.32	3.02	2.63	2.50
31	7.73	---	3.83	3.62	---	2.99	---	2.63	---	2.79	2.68	---

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in SE ¼ NE ¼ 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 18.65 ft above NAVD 88. Prior to Oct. 1, 2001, datum of gage is 19.15 ft. above NGVD of 1929. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944 to June 14, 1948, water-stage recorder, June 15, 1949 to Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 6	0330	2,320	9.73	Mar 15	1100	4,190	13.29
Oct 30	0000	2,320	9.73	Apr 10	1730	*5,300	*14.75
Nov 8	0500	2,180	9.42	Jul 3	0300	3,090	11.38
Feb 24	2300	5,210	14.64	Jul 7	0200	2,660	10.47

Minimum discharge, 109 ft³/s, Sept. 30, gage height, 0.99 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,450	1,350	222	523	235	1,430	209	e199	126	1,980	184	136
2	445	1,060	222	733	197	755	203	e196	125	2,910	232	132
3	795	512	225	618	177	516	200	e193	130	2,840	215	130
4	1,540	405	287	419	168	427	196	e192	137	1,160	173	134
5	2,010	627	805	329	163	384	255	e190	135	1,510	163	145
6	2,170	1,520	1,350	281	170	414	420	e187	130	2,410	154	149
7	1,820	1,950	981	251	295	1,140	443	e185	128	2,570	150	133
8	1,250	2,100	500	230	884	1,230	2,500	e182	128	1,760	152	126
9	e590	1,630	394	216	1,010	579	3,110	e181	131	868	144	124
10	382	676	422	205	876	431	4,780	e179	126	476	141	121
11	358	545	430	196	427	363	4,080	e177	123	532	137	120
12	354	857	396	189	350	325	e691	e176	196	542	136	119
13	315	820	386	181	318	863	e402	e174	166	426	134	123
14	269	483	404	176	266	2,660	e326	e176	166	368	134	133
15	244	393	430	172	301	4,010	e288	e179	209	293	134	150
16	224	353	389	170	767	2,910	e267	e177	234	248	132	129
17	212	337	337	167	1,270	1,350	e253	e176	430	225	157	120
18	202	310	302	164	1,140	819	e244	e181	621	220	160	116
19	194	289	279	162	772	746	e236	e183	600	202	138	114
20	188	281	264	160	415	855	e228	e180	321	193	134	113
21	181	291	257	158	970	775	e223	e185	229	188	141	112
22	177	297	254	157	2,670	573	e221	149	422	190	174	117
23	174	281	386	155	3,410	412	e220	141	916	184	213	127
24	171	262	1,140	153	4,860	347	e213	134	390	179	220	149
25	171	251	1,580	151	4,670	307	e214	129	242	191	183	127
26	187	242	1,850	151	2,770	279	e225	129	199	205	151	119
27	695	235	1,080	154	1,250	262	e244	128	176	194	138	116
28	1,270	230	522	157	1,540	248	e226	152	217	172	132	114
29	2,000	225	367	156	---	237	e212	148	350	188	132	112
30	2,140	223	307	154	---	225	e204	134	450	264	128	110
31	1,780	---	351	190	---	216	---	129	---	216	134	---
TOTAL	23,958	19,035	17,119	7,278	32,341	26,088	21,533	5,221	7,953	23,904	4,850	3,770
MEAN	773	634	552	235	1,155	842	718	168	265	771	156	126
MAX	2,170	2,100	1,850	733	4,860	4,010	4,780	199	916	2,910	232	150
MIN	171	223	222	151	163	216	196	128	123	172	128	110
CFSM	3.13	2.57	2.24	0.95	4.68	3.41	2.91	0.68	1.07	3.12	0.63	0.51
IN.	3.61	2.87	2.58	1.10	4.87	3.93	3.24	0.79	1.20	3.60	0.73	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2003, BY WATER YEAR (WY)

[illegible]

07376000 TICKFAW RIVER AT HOLDEN, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1941 - 2003	
ANNUAL TOTAL	149,391		193,050			
ANNUAL MEAN	409		529		386	
HIGHEST ANNUAL MEAN					707	1983
LOWEST ANNUAL MEAN					94.8	2000
HIGHEST DAILY MEAN	4,630	Sep 29	4,860	Feb 24	19,200	Apr 7, 1983
LOWEST DAILY MEAN	86	Jun 22	110	Sep 30	53	Jun 12, 2000
ANNUAL SEVEN-DAY MINIMUM	88	Jun 20	117	Sep 17	56	Sep 2, 2000
MAXIMUM PEAK FLOW			5,300	Apr 10	22,500	Apr 7, 1983
MAXIMUM PEAK STAGE			14.75	Apr 10	21.04	Apr 7, 1983
INSTANTANEOUS LOW FLOW			109	Sep 30	a52	Sep 6, 2000
ANNUAL RUNOFF (CFSM)	1.66		2.14		1.56	
ANNUAL RUNOFF (INCHES)	22.50		29.07		21.21	
10 PERCENT EXCEEDS	1,140		1,350		797	
50 PERCENT EXCEEDS	194		228		166	
90 PERCENT EXCEEDS	100		132		98	

a Also occurred Sep 7, 2000.

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.09	7.17	1.37	3.78	1.96	7.38	1.90	---	1.16	8.83	1.69	1.26
2	3.22	6.07	1.37	4.83	1.67	4.95	1.85	---	1.15	11.01	2.08	1.22
3	4.89	3.39	1.39	4.29	1.51	3.88	1.82	---	1.19	10.86	1.95	1.20
4	7.73	2.67	1.86	3.20	1.43	3.37	1.79	---	1.26	6.47	1.60	1.24
5	8.99	3.95	4.89	2.61	1.38	3.10	2.22	---	1.25	7.60	1.50	1.34
6	9.38	7.66	7.15	2.30	1.43	3.26	3.32	---	1.20	9.91	1.42	1.38
7	8.54	8.86	5.70	2.09	2.34	6.40	3.36	---	1.18	10.28	1.38	1.23
8	6.64	9.22	3.33	1.93	5.44	6.72	10.04	---	1.18	8.28	1.40	1.16
9	---	7.99	2.60	1.81	5.94	4.18	11.43	---	1.21	5.39	1.33	1.14
10	2.81	4.29	2.79	1.73	5.41	3.40	14.06	---	1.16	3.65	1.30	1.11
11	2.65	3.62	2.85	1.66	3.24	2.97	13.04	---	1.13	3.95	1.27	1.10
12	2.62	5.20	2.62	1.60	2.75	2.74	---	---	1.78	3.99	1.26	1.09
13	2.35	5.04	2.54	1.54	2.54	5.12	---	---	1.54	3.36	1.24	1.13
14	2.03	3.22	2.67	1.50	2.19	10.44	---	---	1.53	3.00	1.24	1.23
15	1.83	2.60	2.85	1.47	2.40	13.01	---	---	1.89	2.53	1.24	1.39
16	1.68	2.32	2.57	1.44	4.95	10.97	---	---	2.10	2.22	1.22	1.19
17	1.58	2.21	2.21	1.41	6.88	7.06	---	---	3.38	2.04	1.45	1.10
18	1.49	2.02	1.96	1.39	6.41	5.24	---	---	4.39	1.99	1.48	1.06
19	1.43	1.88	1.81	1.36	4.97	4.94	---	---	4.29	1.84	1.28	1.04
20	1.38	1.82	1.70	1.35	3.17	5.38	---	---	2.70	1.77	1.24	1.03
21	1.32	1.90	1.65	1.33	5.41	5.06	---	---	2.07	1.73	1.30	1.02
22	1.29	1.93	1.62	1.32	10.49	4.15	---	1.37	3.28	1.74	1.60	1.07
23	1.26	1.82	2.43	1.30	11.97	3.28	---	1.31	5.59	1.70	1.94	1.17
24	1.23	1.68	6.45	1.28	14.19	2.87	---	1.24	3.12	1.66	2.00	1.38
25	1.23	1.60	7.86	1.27	13.93	2.62	---	1.19	2.17	1.76	1.68	1.17
26	1.37	1.53	8.61	1.27	10.65	2.44	---	1.19	1.82	1.87	1.39	1.09
27	4.45	1.48	6.18	1.30	6.83	2.32	---	1.18	1.63	1.78	1.28	1.06
28	6.87	1.44	3.78	1.32	7.75	2.22	---	1.41	1.96	1.59	1.22	1.04
29	8.96	1.40	2.86	1.31	---	2.13	---	1.37	2.89	1.69	1.22	1.02
30	9.31	1.39	2.47	1.29	---	2.04	---	1.24	3.33	2.33	1.18	1.00
31	8.42	---	2.75	1.60	---	1.96	---	1.19	---	1.96	1.24	---
TOTAL	---	107.37	102.89	57.88	149.23	145.60	---	---	64.53	128.78	44.62	34.66
MEAN	---	3.58	3.32	1.87	5.33	4.70	---	---	2.15	4.15	1.44	1.16
MAX	---	9.22	8.61	4.83	14.19	13.01	---	---	5.59	11.01	2.08	1.39
MIN	---	1.39	1.37	1.27	1.38	1.96	---	---	1.13	1.59	1.18	1.00
MED	---	2.46	2.62	1.47	4.96	3.88	---	---	1.80	2.33	1.33	1.14

07376420 NATALBANY RIVER AT AMITE, LA.

LOCATION.--Lat 30°42'45", long 90°34'26", sec. 53, T. 4 S., R. 6 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070203, on downstream side of bridge on State Highway 16, 1.25 miles southwest of Coon Branch, and 2.75 miles west of Interstate 55.

DRAINAGE AREA.--34.5 mi².

PERIOD OF RECORD.--December 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.43 ft, Jan. 7, 1998, June 7, 2001; minimum, 6.99 ft, May 31-June 4, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.89 ft, Mar. 13; minimum gage height, 7.02 ft, June 1, 2.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.01	8.58	7.27	9.02	7.36	8.75	7.33	7.12	7.04	13.73	7.24	7.05
2	7.86	8.35	7.26	8.62	7.31	8.51	7.29	7.11	7.06	11.68	7.13	7.05
3	10.17	8.22	7.39	8.35	7.27	8.35	7.25	7.10	7.13	8.90	7.10	7.04
4	11.61	8.24	9.17	8.19	7.23	8.27	7.23	7.09	7.06	8.63	7.09	7.18
5	9.75	10.26	10.91	8.09	7.19	8.26	7.41	7.08	7.12	10.36	7.08	7.68
6	9.35	11.34	9.47	8.00	7.91	9.18	7.58	7.07	7.08	12.57	7.08	7.33
7	8.75	9.42	8.77	7.91	9.86	11.43	8.12	7.07	7.07	10.63	7.07	7.12
8	8.39	8.80	8.49	7.82	8.76	10.08	11.73	7.07	7.05	9.01	7.07	7.08
9	8.23	8.54	8.32	7.74	8.34	9.00	12.54	7.06	7.04	8.85	7.06	7.06
10	8.38	8.38	8.68	7.67	8.20	8.75	9.77	7.06	7.04	8.74	7.06	7.05
11	8.84	8.90	8.73	7.57	8.12	8.47	8.73	7.06	7.04	8.46	7.06	7.05
12	8.49	9.76	8.45	7.49	7.99	8.71	8.39	7.05	7.04	8.71	7.05	7.04
13	8.23	8.95	8.91	7.42	7.87	13.55	8.16	7.09	7.04	8.16	7.08	7.16
14	8.06	8.54	8.76	7.36	7.76	12.65	7.99	7.07	7.33	7.89	7.06	7.07
15	7.94	8.45	8.44	7.34	8.47	9.98	7.85	7.07	8.51	7.72	7.05	7.06
16	7.84	8.44	8.27	7.27	10.41	9.03	7.71	7.06	9.58	7.57	7.16	7.05
17	7.72	8.26	8.17	7.23	9.04	9.27	7.62	7.16	8.22	7.49	7.24	7.05
18	7.60	8.11	8.06	7.19	8.51	8.97	7.54	7.12	7.76	7.39	7.09	7.04
19	7.52	7.99	7.98	7.19	8.29	9.46	7.47	7.08	7.50	7.29	7.06	7.04
20	7.45	8.00	7.88	7.17	8.14	8.95	7.39	7.07	7.30	7.23	7.29	7.04
21	7.38	8.21	7.84	7.15	10.67	8.50	7.33	7.06	7.25	7.19	7.37	7.06
22	7.33	8.05	7.83	7.15	12.75	8.28	7.27	7.05	8.44	7.17	7.19	7.25
23	7.29	7.95	8.02	7.13	10.75	8.12	7.23	7.05	8.20	7.15	7.15	7.36
24	7.26	7.80	10.80	7.13	9.07	8.00	7.26	7.04	7.72	7.97	7.09	7.17
25	7.37	7.68	10.04	7.14	8.71	7.88	7.26	7.04	7.47	7.63	7.06	7.08
26	8.72	7.53	8.90	7.18	8.78	7.78	7.21	7.05	7.31	7.37	7.05	7.06
27	9.76	7.44	8.56	7.18	10.43	7.69	7.18	7.10	8.11	7.27	7.05	7.05
28	10.98	7.37	8.37	7.17	9.28	7.65	7.15	7.24	9.00	7.18	7.05	7.04
29	10.20	7.32	8.24	7.17	---	7.54	7.13	7.10	8.36	7.38	7.04	7.04
30	10.04	7.30	8.14	7.66	---	---	7.12	7.07	9.56	8.07	7.08	7.04
31	9.01	---	8.55	7.58	---	7.37	---	7.06	---	7.28	7.06	---
MAX	11.61	11.34	10.91	9.02	12.75	---	12.54	7.24	9.58	13.73	7.37	7.68
MIN	7.26	7.30	7.26	7.13	7.19	---	7.12	7.04	7.04	7.15	7.04	7.04

07376500 NATALBANY RIVER AT BAPTIST, LA.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE ¼ NW ¼ sec. 30, T. 6 S., R. 7 E., St. Helena Meridian, Tangipahoa Parish, Hydrologic Unit 08070203, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi downstream from Still Branch, and 0.7 mi west of Baptist.

DRAINAGE AREA.--79.5 mi².

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 10.79 ft above NAVD 88. Prior to July 29, 1994, the datum of gage was 11.28 ft above NGVD of 1929. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft upstream at same datum.

REMARKS.--Records good. Satellite telemetry and rain gage at station. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge 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)
Dec 24	1130	2,250	13.71	Apr 9	0300	2,840	14.64
Feb 22	2000	2,570	14.24	Jul 1	0830	*4,210	*16.37
Mar 14	1730	2,200	13.62				

Minimum discharge, 13 ft³/s, on several days, gage height, 3.74 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	75	e21	306	25	140	40	21	15	4,130	74	18
2	32	51	20	143	23	106	39	21	16	3,360	118	16
3	983	42	24	85	23	87	38	21	20	1,420	71	15
4	1,220	43	121	62	24	78	38	20	30	250	39	15
5	404	429	691	52	23	75	225	20	18	535	30	49
6	147	923	255	47	28	237	193	20	29	1,030	e29	25
7	109	289	100	43	219	1,390	524	20	20	943	e28	18
8	63	98	61	41	114	665	2,260	19	17	301	e27	16
9	52	62	46	40	58	205	2,270	19	15	124	e25	15
10	117	50	148	39	46	137	804	19	14	92	e23	15
11	122	195	132	38	40	101	155	18	16	114	e21	14
12	76	196	79	38	34	101	88	18	16	144	e19	15
13	52	121	131	37	30	1,050	63	18	18	70	17	31
14	44	70	100	e36	28	2,050	52	22	21	50	18	22
15	e34	51	63	e35	247	1,000	46	18	57	41	17	16
16	e29	50	45	e34	951	198	41	18	116	36	30	14
17	30	42	38	e33	231	221	39	17	66	36	46	14
18	29	39	34	e32	95	169	37	27	30	39	19	14
19	30	e37	31	e31	60	221	36	20	22	31	17	14
20	27	e45	30	e30	47	156	33	19	21	75	17	13
21	26	59	27	e29	1,030	100	32	26	24	46	29	14
22	26	41	26	e28	e2,300	79	31	19	30	30	33	20
23	27	e35	303	e27	1,490	e70	31	17	52	40	24	23
24	27	e27	2,050	e26	279	e60	30	16	28	53	19	17
25	40	24	968	e25	133	e55	42	16	30	39	17	15
26	98	23	195	e25	138	e52	32	16	32	30	16	14
27	220	22	103	25	732	49	e30	16	65	28	15	14
28	471	22	73	23	281	48	e27	16	107	27	15	13
29	850	e20	60	23	---	45	e25	17	70	26	15	13
30	455	e22	53	25	---	42	22	16	827	184	20	13
31	149	---	312	28	---	40	---	15	---	60	35	---
TOTAL	6,026	3,203	6,340	1,486	8,729	9,027	7,323	585	1,842	13,384	923	525
MEAN	194	107	205	47.9	312	291	244	18.9	61.4	432	29.8	17.5
MAX	1,220	923	2,050	306	2,300	2,050	2,270	27	827	4,130	118	49
MIN	26	20	20	23	23	40	22	15	14	26	15	13
CFSM	2.45	1.34	2.57	0.60	3.92	3.66	3.07	0.24	0.77	5.43	0.37	0.22
IN.	2.82	1.50	2.97	0.70	4.08	4.22	3.43	0.27	0.86	6.26	0.43	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	39.9	76.7	134	182	239	214	197	110	66.4	59.3	58.0	60.8
MAX	356	750	710	710	1,026	563	821	791	518	432	378	586
(WY)	(1986)	(1949)	(1954)	(1998)	(1966)	(1995)	(1983)	(1953)	(2001)	(2003)	(1992)	(1977)
MIN	2.61	3.47	6.97	9.48	6.66	15.2	8.36	5.60	5.88	4.55	4.94	5.86
(WY)	(1964)	(1966)	(1959)	(1957)	(2000)	(1955)	(1963)	(1963)	(1955)	(1947)	(1948)	(1969)

07376500 NATALBANY RIVER AT BAPTIST, LA.—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	38,658		59,393		119	
ANNUAL MEAN	106		163		234	
HIGHEST ANNUAL MEAN					19.7	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	2,130	Apr 9	4,130	Jul 1	9,700	Apr 7, 1983
LOWEST DAILY MEAN	10	Sep 15	13	Sep 20	1.8	Nov 3, 1963
ANNUAL SEVEN-DAY MINIMUM	11	Sep 11	14	Sep 15	2.1	Dec 11, 1962
MAXIMUM PEAK FLOW			4,210	Jul 1	9,810	Apr 7, 1983
MAXIMUM PEAK STAGE			16.37	Jul 1	20.80	Apr 7, 1983
INSTANTANEOUS LOW FLOW			a13	Sep 19	1.8	Nov 2, 1963
ANNUAL RUNOFF (CFSM)	1.33		2.05		1.50	
ANNUAL RUNOFF (INCHES)	18.09		27.79		20.33	
10 PERCENT EXCEEDS	195		294		247	
50 PERCENT EXCEEDS	35		37		25	
90 PERCENT EXCEEDS	17		16		7.2	

a Occurred on many days

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.39	5.11	---	7.22	4.05	5.72	4.05	3.87	3.65	16.29	5.10	3.92
2	4.26	4.68	3.89	5.93	4.01	5.29	4.03	3.86	3.84	15.33	5.64	3.85
3	9.83	4.49	4.01	5.26	4.00	4.99	4.02	3.84	3.82	11.07	5.10	3.82
4	11.33	4.52	5.65	4.89	4.02	4.84	4.00	3.83	4.10	6.83	4.50	3.82
5	7.80	7.47	9.46	4.71	4.00	4.78	5.80	3.83	3.75	8.38	4.28	4.71
6	5.93	10.38	6.95	4.60	4.12	6.31	6.13	3.82	4.07	10.89	---	4.15
7	5.48	7.05	5.45	4.52	6.58	11.95	7.55	3.81	3.82	10.55	---	3.94
8	4.79	5.42	4.87	4.48	5.60	9.18	13.69	3.79	3.73	7.16	---	3.86
9	4.57	4.89	4.57	4.45	4.81	6.42	13.74	3.78	3.66	5.77	---	3.82
10	5.51	4.66	5.85	4.43	4.58	5.69	9.68	3.77	3.62	5.40	---	3.81
11	5.65	6.35	5.80	4.41	4.45	5.21	6.01	3.76	3.67	5.58	---	3.80
12	5.02	6.42	5.16	4.40	4.31	5.17	5.25	3.75	3.67	5.95	---	3.81
13	4.58	5.69	5.82	4.38	4.21	10.50	4.86	3.76	3.74	5.08	3.90	4.22
14	4.41	5.03	5.45	---	4.15	13.35	4.64	3.87	3.82	4.73	3.92	4.07
15	---	4.68	4.90	---	5.76	10.29	4.52	3.76	4.72	4.55	3.91	3.84
16	---	4.65	4.57	---	10.49	6.34	4.42	3.75	5.58	4.43	4.13	3.80
17	4.06	4.49	4.40	---	6.65	6.57	4.36	3.73	4.87	4.42	4.54	3.78
18	4.05	4.43	4.29	---	5.38	6.05	4.32	4.02	4.12	4.49	3.97	3.77
19	4.08	---	4.22	---	4.86	6.57	4.28	3.82	3.87	4.31	3.91	3.77
20	3.98	---	4.19	---	4.61	5.90	4.22	3.80	3.85	4.90	3.90	3.76
21	3.95	4.84	4.12	---	9.87	5.19	4.19	4.00	3.91	4.64	4.23	3.77
22	3.96	4.48	4.10	---	---	4.86	4.16	3.78	4.12	4.28	4.35	3.98
23	3.99	---	5.84	---	11.95	4.86	4.15	3.71	4.63	4.48	4.12	4.07
24	4.00	---	13.35	---	6.94	---	4.12	3.70	4.07	4.78	3.96	3.89
25	4.24	4.03	10.23	---	5.64	---	4.40	3.69	4.10	4.50	3.90	3.81
26	5.30	4.00	6.39	---	5.64	---	4.17	3.68	4.09	4.28	3.86	3.78
27	6.46	3.97	5.49	4.05	9.63	4.26	---	3.70	4.81	4.24	3.84	3.78
28	8.28	3.96	5.08	4.01	6.99	4.22	---	3.69	5.49	4.21	3.84	3.76
29	9.99	---	4.86	4.00	---	4.17	---	3.71	4.96	4.19	3.83	3.74
30	8.14	---	4.73	4.04	---	4.10	3.87	3.68	9.13	6.18	3.98	3.74
31	5.97	---	7.11	4.15	---	4.06	---	3.66	---	4.90	4.37	---
MAX	---	---	---	---	---	---	---	4.02	9.13	16.29	---	4.71
MIN	---	---	---	---	---	---	---	3.66	3.62	4.19	---	3.74

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in sec. 72, T. 2 S., R. 4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above NGVD of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

REMARKS.--Records good, except for estimated daily discharge, which are poor. Satellite telemetry and rain gage at station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 6	0400	9,150	12.26	Feb 23	0130	*37,600	*18.66

Minimum discharge, 253 ft³/s, Sept. 30, gage height, 1.15 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e915	2,340	443	e1,050	803	1,180	463	336	278	425	314	329
2	e1,480	1,070	436	e1,050	637	967	455	333	278	496	316	357
3	e2,720	859	439	e697	560	858	448	332	289	428	360	328
4	e3,330	2,140	718	e671	522	815	445	328	302	466	325	293
5	e2,620	6,090	1,580	e594	494	805	444	323	289	511	311	296
6	e1,740	8,440	1,310	602	934	777	443	319	288	753	304	291
7	e1,330	5,260	889	565	3,670	758	455	318	291	740	301	281
8	e767	1,930	706	532	2,800	735	2,480	315	302	487	297	278
9	e772	1,040	617	513	1,450	697	1,180	311	290	420	293	275
10	e667	856	582	500	1,040	657	720	309	280	544	289	272
11	e699	822	596	483	1,080	619	579	306	278	448	288	270
12	e642	891	575	467	893	603	519	305	281	473	293	275
13	e488	726	684	455	734	2,590	482	314	297	476	376	292
14	e442	640	907	448	647	2,830	458	317	315	382	341	330
15	e406	594	829	446	910	1,800	438	317	329	362	318	313
16	e382	565	685	438	4,400	1,150	425	321	567	340	297	284
17	e365	543	596	430	3,780	1,010	414	316	590	333	293	271
18	e349	518	549	422	1,660	952	405	321	386	478	287	267
19	e336	503	540	417	962	1,290	396	322	334	546	286	264
20	e326	513	632	416	795	1,710	390	314	325	477	295	264
21	e318	513	591	416	3,460	1,090	384	338	538	391	294	269
22	e310	492	546	421	17,700	815	377	316	692	368	316	292
23	e303	472	529	410	26,300	719	370	302	477	353	315	302
24	e352	461	1,120	400	6,530	660	368	297	361	729	299	282
25	376	455	1,580	397	1,740	611	375	294	324	939	288	271
26	1,910	448	1,150	406	1,230	582	369	301	318	533	282	267
27	2,430	442	798	423	1,380	572	358	311	314	404	280	276
28	3,480	434	682	422	1,400	551	348	303	381	361	278	270
29	3,900	429	612	418	---	547	343	292	377	336	291	261
30	6,280	434	569	896	---	518	339	287	369	323	336	254
31	6,070	---	867	1,140	---	472	---	284	---	315	329	---
TOTAL	46,505	40,920	23,357	16,945	88,511	29,940	15,670	9,702	10,740	14,637	9,492	8,574
MEAN	1,500	1,364	753	547	3,161	966	522	313	358	472	306	286
MAX	6,280	8,440	1,580	1,140	26,300	2,830	2,480	338	692	939	376	357
MIN	303	429	436	397	494	472	339	284	278	315	278	254
CFSM	2.59	2.35	1.30	0.94	5.45	1.67	0.90	0.54	0.62	0.81	0.53	0.49
IN.	2.98	2.62	1.50	1.09	5.68	1.92	1.01	0.62	0.69	0.94	0.61	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

	477	569	1,040	1,238	1,687	1,579	1,482	881	614	498	434	493
MAX	2,964	2,528	4,106	3,870	4,793	5,194	6,032	4,275	2,915	2,184	1,491	2,081
(WY)	(1965)	(1958)	(1972)	(1998)	(1966)	(1980)	(1983)	(1953)	(1975)	(1989)	(1975)	(1975)
MIN	197	225	263	339	311	358	318	213	252	217	215	220
(WY)	(1964)	(1970)	(1967)	(1957)	(2000)	(2000)	(2001)	(2001)	(2000)	(2000)	(2000)	(1963)

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	295,336		314,993			
ANNUAL MEAN	809		863		905	
HIGHEST ANNUAL MEAN					1,924	1983
LOWEST ANNUAL MEAN					328	2000
HIGHEST DAILY MEAN	8,700	Sep 28	26,300	Feb 23	58,500	Apr 7, 1983
LOWEST DAILY MEAN	218	Sep 16	254	Sep 30	170	Sep 7, 2000
ANNUAL SEVEN-DAY MINIMUM	222	Sep 13	269	Sep 24	177	Sep 2, 2000
MAXIMUM PEAK FLOW			37,600	Feb 23	104,000	Jan 25, 1990
MAXIMUM PEAK STAGE			18.66	Feb 23	22.05	Jan 25, 1990
INSTANTANEOUS LOW FLOW			253	Sep 30	167	Sep 7, 2000
ANNUAL RUNOFF (CFSM)	1.40		1.49		1.56	
ANNUAL RUNOFF (INCHES)	18.94		20.20		21.19	
10 PERCENT EXCEEDS	1,520		1,390		1,520	
50 PERCENT EXCEEDS	430		444		408	
90 PERCENT EXCEEDS	248		289		250	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.39	1.78	---	2.64	3.56	1.83	1.50	1.33	1.68	1.33	1.37
2	---	3.19	1.76	---	2.22	3.06	1.81	1.49	1.33	1.85	1.34	1.44
3	---	2.75	1.77	---	2.05	2.79	1.79	1.49	1.36	1.69	1.45	1.37
4	---	4.94	2.43	---	1.97	2.68	1.78	1.47	1.40	1.78	1.36	1.29
5	---	9.88	4.43	---	1.90	2.65	1.78	1.46	1.36	1.89	1.32	1.27
6	---	11.81	3.86	2.13	2.86	2.57	1.78	1.45	1.36	2.46	1.30	1.26
7	---	9.20	2.86	2.06	7.64	2.52	1.81	1.45	1.37	2.42	1.29	1.23
8	---	5.03	2.38	1.99	6.52	2.46	5.69	1.44	1.39	1.82	1.28	1.22
9	---	3.25	2.18	1.95	4.14	2.35	3.53	1.43	1.36	1.66	1.26	1.21
10	---	2.78	2.10	1.91	3.24	2.26	2.42	1.42	1.32	1.95	1.25	1.20
11	---	2.69	2.13	1.88	3.33	2.18	2.09	1.41	1.32	1.72	1.25	1.20
12	---	2.87	2.09	1.84	2.88	2.15	1.96	1.41	1.33	1.78	1.26	1.21
13	---	2.44	2.34	1.81	2.46	6.12	1.87	1.43	1.37	1.79	1.50	1.26
14	---	2.23	2.91	1.79	2.24	6.59	1.81	1.44	1.42	1.55	1.40	1.37
15	---	2.13	2.71	1.78	2.82	4.88	1.77	1.44	1.46	1.50	1.34	1.32
16	---	2.06	2.33	1.77	8.42	3.49	1.73	1.46	2.04	1.44	1.28	1.24
17	---	2.01	2.13	1.74	7.69	3.16	1.71	1.44	2.10	1.41	1.26	1.20
18	---	1.96	2.03	1.73	4.56	3.02	1.68	1.45	1.61	1.77	1.25	1.19
19	---	1.92	2.01	1.71	3.05	3.80	1.66	1.46	1.46	1.94	1.24	1.18
20	---	1.95	2.21	1.71	2.62	4.69	1.64	1.43	1.44	1.78	1.27	1.18
21	---	1.94	2.12	1.71	6.57	3.36	1.63	1.50	1.97	1.56	1.27	1.20
22	---	1.90	2.02	1.72	14.87	2.67	1.61	1.44	2.33	1.50	1.33	1.26
23	---	1.85	1.98	1.69	17.05	2.42	1.59	1.40	1.83	1.45	1.33	1.29
24	---	1.82	3.38	1.67	10.06	2.27	1.58	1.39	1.53	2.38	1.28	1.23
25	1.60	1.81	4.44	1.66	4.73	2.16	1.60	1.38	1.42	2.89	1.25	1.20
26	4.73	1.79	3.48	1.68	3.69	2.10	1.59	1.40	1.41	1.90	1.23	1.19
27	5.63	1.77	2.63	1.73	4.00	2.08	1.56	1.43	1.40	1.59	1.22	1.22
28	7.19	1.76	2.32	1.72	4.05	2.03	1.53	1.40	1.58	1.47	1.22	1.20
29	7.60	1.74	2.17	1.72	---	1.97	1.52	1.37	1.57	1.40	1.26	1.17
30	10.17	1.75	2.07	2.88	---	1.90	1.51	1.36	1.54	1.36	1.39	1.15
31	9.95	---	2.42	3.48	---	1.85	---	1.35	---	1.34	1.37	---
MAX	---	11.81	4.44	---	17.05	6.59	5.69	1.50	2.33	2.89	1.50	1.44
MIN	---	1.74	1.76	---	1.90	1.85	1.51	1.35	1.32	1.34	1.22	1.15

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 NGVD of 1929. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft upstream. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records fair, except for estimated daily discharge, which are poor. Satellite telemetry and rain gage at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge 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)
Oct 30	1530	4,260	7.83	Mar 14	0730	3,700	7.24
Nov 6	0000	6,300	9.70	Apr 8	1130	*7,400	*10.58
Feb 22	----	Unknown	Unknown				

Minimum discharge, 40 ft³/s, Aug. 19, gage height, 0.21 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	268	89	783	161	211	81	82	71	117	68	54
2	99	197	90	322	123	179	80	81	69	66	121	87
3	593	180	97	167	109	159	79	81	66	59	65	54
4	1,110	868	729	136	102	154	79	e75	73	63	59	47
5	464	3,690	1,500	119	100	164	75	e71	69	126	58	44
6	402	4,170	568	109	350	156	74	e71	66	126	56	42
7	514	1,410	187	101	1,860	149	77	e71	62	89	55	41
8	188	257	136	96	1,550	138	e7,670	71	64	65	55	42
9	145	178	116	95	320	132	2,890	71	62	61	53	42
10	130	149	111	92	228	126	415	71	61	62	53	41
11	301	379	113	89	227	121	210	70	60	74	52	42
12	224	163	109	87	162	117	159	69	61	91	50	43
13	141	123	196	86	139	2,580	138	72	64	81	55	45
14	119	111	208	85	127	3,130	124	76	67	70	49	82
15	111	107	131	84	197	1,530	116	73	68	68	48	54
16	105	103	110	84	2,180	307	111	71	76	67	48	45
17	100	100	102	82	2,150	298	106	70	98	70	56	44
18	96	99	97	81	399	229	102	69	75	134	49	43
19	94	98	96	81	218	258	99	68	74	151	45	43
20	92	100	97	81	176	269	96	68	334	148	48	43
21	91	100	94	83	e858	148	95	67	305	88	49	44
22	89	95	92	83	e8,130	121	93	66	113	75	47	49
23	88	94	88	80	e7,740	117	91	66	65	71	53	51
24	88	93	915	78	e2,370	114	90	65	53	132	49	48
25	98	92	683	78	254	98	88	65	50	95	48	46
26	645	92	213	82	247	95	87	260	49	71	47	46
27	1,480	90	153	88	500	100	85	202	57	76	49	46
28	1,850	90	127	89	344	98	84	80	113	68	52	47
29	2,150	89	116	85	---	87	83	74	64	65	49	46
30	2,970	90	107	453	---	83	82	72	77	64	53	45
31	1,410	---	370	409	---	82	---	71	---	62	53	---
TOTAL	16,089	13,675	7,840	4,468	31,321	11,550	13,659	2,539	2,586	2,655	1,692	1,446
MEAN	519	456	253	144	1,119	373	455	81.9	86.2	85.6	54.6	48.2
MAX	2,970	4,170	1,500	783	8,130	3,130	7,670	260	334	151	121	87
MIN	88	89	88	78	100	82	74	65	49	59	45	41
CFSM	3.58	3.14	1.74	0.99	7.71	2.57	3.14	0.56	0.59	0.59	0.38	0.33
IN.	4.13	3.51	2.01	1.15	8.04	2.96	3.50	0.65	0.66	0.68	0.43	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2003, BY WATER YEAR (WY)

MEAN	116	153	267	403	453	422	390	204	155	121	122	109
MAX	774	758	1,137	1,506	1,454	1,266	1,507	1,232	1,406	570	607	623
(WY)	(1986)	(1978)	(1983)	(1990)	(1966)	(1961)	(1997)	(1953)	(2001)	(1989)	(2002)	(1977)
MIN	33.5	35.7	53.1	62.8	43.9	65.5	46.2	41.8	47.4	49.3	42.5	38.5
(WY)	(2001)	(1969)	(1967)	(1957)	(2000)	(2000)	(1963)	(2001)	(1977)	(1956)	(1957)	(1972)

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR			FOR 2003 WATER YEAR		WATER YEARS 1943 - 2003	
ANNUAL TOTAL	95,547			109,520		242	
ANNUAL MEAN	262			300		527	
HIGHEST ANNUAL MEAN						62.2	
LOWEST ANNUAL MEAN						19,400	
HIGHEST DAILY MEAN	10,000	Aug 7		e8,130	Feb 22	25,300	Jun 8, 2001
LOWEST DAILY MEAN	41	Jul 6		41	Sep 7	28	Oct 31, 2000
ANNUAL SEVEN-DAY MINIMUM	48	Jun 30		42	Sep 6	28	Oct 29, 2000
MAXIMUM PEAK FLOW				Unknown	Feb 22	25,300	Jun 8, 2001
MAXIMUM PEAK STAGE				Unknown	Feb 22	23.37	Mar 18, 1961
INSTANTANEOUS LOW FLOW				40	Aug 19	a26	Oct 31, 2000
ANNUAL RUNOFF (CFSM)	1.81			2.07		1.67	
ANNUAL RUNOFF (INCHES)	24.51			28.10		22.67	
10 PERCENT EXCEEDS	422			411		419	
50 PERCENT EXCEEDS	93			91		79	
90 PERCENT EXCEEDS	54			49		46	

a Also occurred Sep 14, 1995.

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.18	1.19	0.22	2.91	0.75	1.05	0.56	0.57	0.45	0.88	0.55	0.41
2	0.15	0.81	0.23	1.56	0.51	0.86	0.55	0.56	0.43	0.55	0.89	0.70
3	2.02	0.71	0.29	0.86	0.39	0.74	0.55	0.56	0.39	0.49	0.54	0.41
4	3.62	2.99	2.63	0.60	0.34	0.71	0.54	---	0.47	0.52	0.48	0.32
5	1.86	6.92	4.34	0.48	0.32	0.77	0.50	---	0.43	0.93	0.47	0.27
6	1.69	7.66	2.24	0.40	1.66	0.72	0.48	---	0.39	0.95	0.45	0.24
7	2.09	3.97	0.90	0.33	4.92	0.68	0.52	---	0.35	0.72	0.44	0.23
8	0.76	1.25	0.60	0.29	4.40	0.61	---	0.46	0.37	0.54	0.43	0.23
9	0.49	0.85	0.46	0.27	1.47	0.57	6.12	0.45	0.35	0.50	0.41	0.23
10	0.39	0.68	0.41	0.25	1.13	0.53	1.90	0.45	0.34	0.52	0.40	0.22
11	1.32	1.69	0.43	0.23	1.12	0.49	1.27	0.44	0.33	0.60	0.38	0.23
12	0.95	0.76	0.40	0.20	0.76	0.46	1.05	0.43	0.34	0.74	0.36	0.25
13	0.47	0.50	0.94	0.19	0.62	5.90	0.94	0.46	0.37	0.67	0.43	0.29
14	0.31	0.41	1.02	0.18	0.54	6.58	0.86	0.51	0.40	0.58	0.35	0.65
15	0.25	0.38	0.56	0.17	1.03	4.30	0.81	0.47	0.42	0.56	0.34	0.41
16	0.20	0.35	0.41	0.17	5.39	1.59	0.78	0.45	0.50	0.56	0.33	0.28
17	0.16	0.33	0.34	0.15	5.34	1.58	0.76	0.44	0.66	0.58	0.43	0.26
18	0.13	0.31	0.30	0.14	1.83	1.34	0.73	0.43	0.50	0.93	0.34	0.25
19	0.11	0.30	0.28	0.14	1.08	1.43	0.71	0.42	0.49	1.07	0.29	0.25
20	0.09	0.32	0.29	0.14	0.84	1.46	0.69	0.42	1.33	1.05	0.34	0.26
21	0.08	0.32	0.27	0.16	---	0.99	0.67	0.41	1.54	0.72	0.35	0.28
22	0.06	0.28	0.25	0.16	---	0.85	0.66	0.40	0.83	0.63	0.31	0.35
23	0.05	0.27	0.28	0.13	---	0.83	0.65	0.39	0.53	0.59	0.40	0.38
24	0.05	0.26	3.12	0.11	---	0.80	0.64	0.39	0.40	0.94	0.34	0.33
25	0.13	0.25	2.66	0.11	1.25	0.70	0.62	0.39	0.37	0.77	0.33	0.30
26	2.53	0.25	1.04	0.15	1.20	0.68	0.61	1.12	0.35	0.59	0.32	0.30
27	4.18	0.23	0.70	0.21	2.15	0.71	0.60	1.14	0.45	0.63	0.35	0.30
28	4.90	0.23	0.54	0.22	1.60	0.70	0.59	0.55	0.87	0.56	0.39	0.32
29	5.31	0.22	0.46	0.18	---	0.64	0.58	0.49	0.53	0.54	0.35	0.30
30	6.34	0.23	0.38	1.80	---	0.59	0.57	0.46	0.61	0.53	0.41	0.29
31	3.94	---	1.56	1.77	---	0.57	---	0.46	---	0.51	0.40	---
MAX	6.34	7.66	4.34	2.91	---	6.58	---	---	1.54	1.07	0.89	0.70
MIN	0.05	0.22	0.22	0.11	---	0.46	---	---	0.33	0.49	0.29	0.22

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 NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair, except for estimated daily discharge, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 5	1645	*2,310	*18.74				
						No other peak greater than base discharge.	

Minimum discharge, 0.13 ft³/s, Sept. 21, 29, 30, gage height, 1.20 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	12	3.3	292	e35	e42	e11	e4.5	e2.2	118	1.6	2.4
2	2.6	8.5	3.2	37	e32	e50	e13	e4.2	e1.0	29	52	8.5
3	458	9.6	24	18	e26	e42	e13	e4.1	e1.6	20	6.5	19
4	393	211	641	14	e29	e21	e29	e4.1	e2.4	111	2.2	2.1
5	31	1,540	904	11	e40	e41	e70	e4.2	e2.0	260	1.8	1.3
6	13	1,360	275	9.8	e245	e110	e134	e3.6	e3.0	139	1.3	1.1
7	8.6	134	23	8.8	e689	e115	e225	e2.8	e1.0	12	1.2	0.98
8	5.8	19	16	7.7	e235	e39	e1,550	e2.4	e1.0	3.6	1.1	0.89
9	5.6	14	13	7.0	e106	e22	e1,050	e1.9	e1.4	3.8	0.92	0.70
10	7.4	12	13	6.3	e84	e29	e438	e1.6	e1.8	2.7	0.85	0.62
11	7.7	346	15	5.8	e74	e45	e124	e0.90	e1.7	13	0.72	75
12	6.9	205	14	5.4	e50	e121	e52	e0.80	e1.7	43	0.69	94
13	5.2	18	58	5.2	e54	e459	e28	e1.6	e1.4	7.3	0.63	31
14	4.1	12	56	5.1	e115	e746	e25	e2.5	e1.2	2.9	1.6	17
15	3.5	9.9	18	5.3	e656	e278	e19	e1.6	e1.3	2.2	1.1	1.5
16	2.9	7.9	13	4.9	e1,210	e101	e17	e1.5	e1.5	1.9	0.79	0.74
17	2.5	6.9	10	4.5	e342	e76	e17	e2.0	1.7	3.9	0.63	0.49
18	2.2	6.0	8.9	4.3	e98	e80	e15	e1.4	12	12	0.45	0.30
19	1.9	5.3	9.0	4.5	e148	e105	e13	e1.1	e10	3.4	0.38	0.23
20	1.7	13	9.8	4.8	e490	e100	e12	e1.1	80	2.8	0.36	0.20
21	1.4	9.8	8.2	5.3	e2,030	e55	e11	e1.8	574	2.0	0.90	5.7
22	1.4	6.6	7.6	4.4	e3,250	e41	e9.4	e1.1	435	1.9	10	92
23	1.4	5.6	44	4.2	e1,770	e33	e8.4	e0.80	24	1.7	2.1	8.1
24	1.4	5.0	649	e6.8	e302	e26	e9.0	e1.1	3.9	19	1.5	0.94
25	25	4.5	424	e9.6	e286	e23	e8.7	e3.0	2.9	2.8	1.1	0.56
26	228	4.2	32	e14	e227	e22	e7.6	e8.0	2.6	1.9	0.89	0.35
27	775	3.6	17	e11	e169	e20	e6.4	e18	3.2	1.4	0.83	0.29
28	902	3.5	14	e13	e108	e19	e5.5	e9.7	7.3	2.1	0.84	0.22
29	797	3.5	12	e16	---	e16	e5.0	e3.2	14	1.8	0.72	0.16
30	502	3.5	9.9	e31	---	e14	e4.9	e3.0	216	1.5	1.4	0.13
31	54	---	338	e56	---	e12	---	e2.5	---	1.2	2.2	---
TOTAL	4,254.6	3,999.9	3,682.9	632.7	12,900	2,903	3,930.9	100.10	1,412.8	828.8	99.30	366.50
MEAN	137	133	119	20.4	461	93.6	131	3.23	47.1	26.7	3.20	12.2
MAX	902	1,540	904	292	3,250	746	1,550	18	574	260	52	94
MIN	1.4	3.5	3.2	4.2	26	12	4.9	0.80	1.0	1.2	0.36	0.13
CFSM	3.05	2.96	2.64	0.45	10.2	2.08	2.91	0.07	1.05	0.59	0.07	0.27
IN.	3.52	3.31	3.04	0.52	10.66	2.40	3.25	0.08	1.17	0.69	0.08	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)

	MEAN	38.2	46.0	79.4	145	149	112	130	56.9	61.4	32.8	39.3	34.4
	MAX	372	209	369	426	461	335	423	260	519	282	203	226
	(WY)	(1985)	(1978)	(1983)	(1990)	(2003)	(1980)	(1983)	(1991)	(1989)	(1975)	(1987)	(1988)
	MIN	0.16	0.16	7.90	2.52	0.93	1.99	1.11	0.32	0.45	0.68	0.37	0.016
	(WY)	(1991)	(2002)	(1997)	(1981)	(2000)	(2000)	(1981)	(2002)	(1995)	(1995)	(1999)	(1990)

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1973 - 2003	
ANNUAL TOTAL	20,451.56		35,111.50		76.6	
ANNUAL MEAN	56.0		96.2		142	
HIGHEST ANNUAL MEAN					5.63	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	1,540	Nov 5	e3,250	Feb 22	4,270	Apr 22, 1977
LOWEST DAILY MEAN	0.16	Jun 19	0.13	Sep 30	0.00	Aug 20, 1974
ANNUAL SEVEN-DAY MINIMUM	0.18	Jun 14	0.38	Sep 24	0.00	Oct 3, 1974
MAXIMUM PEAK FLOW			Unknown		4,730	Apr 6, 1983
MAXIMUM PEAK STAGE			Unknown		23.24	Apr 6, 1983
INSTANTANEOUS LOW FLOW			0.13	Sep 21, 29-30	0.01	Aug 5, 1998
ANNUAL RUNOFF (CFSM)	1.25		2.14		1.70	
ANNUAL RUNOFF (INCHES)	16.91		29.03		23.12	
10 PERCENT EXCEEDS	77		239		150	
50 PERCENT EXCEEDS	3.5		8.5		3.7	
90 PERCENT EXCEEDS	0.34		1.0		0.31	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.02	2.66	1.86	7.80	---	---	---	---	---	5.53	1.40	1.56
2	2.04	2.42	1.85	3.56	---	---	---	---	---	3.05	3.82	1.83
3	8.38	2.50	2.50	2.71	---	---	---	---	---	2.56	2.02	2.67
4	8.92	6.35	10.71	2.48	---	---	---	---	---	4.72	1.56	1.54
5	3.37	15.29	12.67	2.36	---	---	---	---	---	7.56	1.48	1.38
6	2.69	14.99	7.08	2.27	---	---	---	---	---	5.72	1.37	1.34
7	2.43	5.26	3.00	2.21	---	---	---	---	---	2.44	1.35	1.31
8	2.21	2.87	2.63	2.14	---	---	---	---	---	1.79	1.33	1.28
9	2.19	2.61	2.44	2.09	---	---	---	---	---	1.82	1.29	1.23
10	2.35	2.48	2.45	2.04	---	---	---	---	---	1.66	1.27	1.21
11	2.36	8.38	2.54	2.00	---	---	---	---	---	2.34	1.24	2.77
12	2.30	6.44	2.50	1.97	---	---	---	---	---	3.82	1.23	4.63
13	2.16	2.83	4.03	1.96	---	---	---	---	---	2.13	1.21	3.43
14	2.06	2.48	4.11	1.94	---	---	---	---	---	1.68	1.44	2.89
15	1.99	2.37	2.72	1.96	---	---	---	---	---	1.57	1.34	1.69
16	1.92	2.25	2.44	1.92	---	---	---	---	---	1.51	1.26	1.50
17	1.87	2.18	2.30	1.89	---	---	---	---	1.47	1.66	1.21	1.41
18	1.82	2.12	2.22	1.87	---	---	---	---	2.30	2.41	1.15	1.32
19	1.77	2.07	2.22	1.89	---	---	---	---	---	1.76	1.12	1.28
20	1.74	2.50	2.27	1.91	---	---	---	---	3.02	1.66	1.11	1.26
21	1.70	2.36	2.17	1.96	---	---	---	---	10.48	1.53	1.20	1.68
22	1.69	2.16	2.13	1.88	---	---	---	---	9.27	1.50	2.19	4.83
23	1.69	2.09	3.00	1.86	---	---	---	---	2.93	1.46	1.55	2.27
24	1.70	2.04	11.04	---	---	---	---	---	1.83	2.72	1.42	1.56
25	2.46	1.99	8.96	---	---	---	---	---	1.69	1.66	1.34	1.44
26	7.23	1.96	3.35	---	---	---	---	---	1.63	1.50	1.28	1.35
27	10.55	1.89	2.69	---	---	---	---	---	1.73	1.40	1.27	1.32
28	12.65	1.88	2.51	---	---	---	---	---	2.07	1.54	1.27	1.27
29	11.96	1.88	2.39	---	---	---	---	---	2.46	1.50	1.23	1.23
30	9.91	1.88	2.28	---	---	---	---	---	6.98	1.43	1.36	1.21
31	3.97	---	7.76	---	---	---	---	---	---	1.36	1.57	---
MAX	12.65	15.29	12.67	---	---	---	---	---	---	7.56	3.82	4.83
MIN	1.69	1.88	1.85	---	---	---	---	---	---	1.36	1.11	1.21

07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between secs. 24 and 44, T. 6 S., R. 1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

PERIOD OF RECORD.--March 1944 to current year.

REVISED RECORDS.--WSP 1920: Drainage area. WDR LA-85-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 23.85 ft above NGVD of 1929 (levels by Louisiana Department of Transportation and Development). From Oct. 1, 1962, to Sept. 30, 1975; at datum 2.00 ft higher. From Oct. 1, 1978, to Sept. 30, 1996, at current datum. From Oct. 1, 1996, to Sept. 30, 2001; at datum 2.00 ft lower.

REMARKS.--Records fair, except for periods of estimated daily discharge, Apr. 5-8, 11-14, June 20, July 15-17, 23-24, 27-28, and Sept. 28-30, which are poor. Satellite telemetry and rain gage at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	1,140	127	1,340	260	459	146	109	81	430	76	76
2	127	430	126	601	200	352	143	107	80	279	138	85
3	2,310	206	179	301	179	305	142	106	83	895	129	166
4	2,360	553	1,770	238	168	283	140	104	81	136	88	116
5	925	5,690	4,850	208	161	270	e160	102	83	461	79	82
6	360	11,900	1,660	190	395	280	e220	100	84	297	76	69
7	558	4,740	384	178	4,310	672	e420	98	81	179	75	65
8	260	1,320	257	170	2,260	288	e6,400	97	78	116	74	64
9	202	492	217	165	765	245	12,700	95	79	105	73	63
10	203	290	216	161	324	222	e3,410	94	76	104	73	63
11	173	635	203	156	316	208	e670	93	76	134	72	64
12	271	502	195	152	259	200	e420	92	75	161	505	126
13	172	258	213	148	223	1,880	e280	91	78	119	96	216
14	140	214	340	146	201	5,790	e250	98	77	104	74	114
15	125	217	250	144	1,530	2,970	189	97	79	e90	64	127
16	117	199	200	143	e7,500	823	175	94	83	e90	62	81
17	112	173	177	140	3,670	398	165	91	92	e80	64	71
18	107	161	162	139	1,200	405	157	92	209	134	65	68
19	105	154	157	138	397	386	150	90	115	143	62	66
20	102	236	159	137	273	400	145	89	e550	140	61	64
21	101	221	154	137	e8,590	276	140	90	1,110	119	69	65
22	100	166	149	137	18,600	221	135	88	518	104	69	133
23	98	149	330	135	14,900	199	130	86	164	e90	65	108
24	97	142	3,420	134	e6,080	195	127	85	114	e120	66	80
25	123	138	1,960	132	2,440	183	127	85	107	127	62	69
26	573	135	453	150	832	173	122	85	105	104	63	66
27	3,010	132	267	154	1,360	175	119	298	106	e90	62	65
28	6,450	129	221	147	828	172	116	138	137	e80	62	e60
29	6,310	128	196	144	---	165	113	97	152	79	63	e60
30	5,900	128	182	192	---	155	111	87	345	77	64	e61
31	3,570	---	776	537	---	149	---	83	---	76	80	---
TOTAL	35,213	30,978	19,950	6,994	78,221	18,899	27,722	3,161	5,098	5,263	2,731	2,613
MEAN	1,136	1,033	644	226	2,794	610	924	102	170	170	88.1	87.1
MAX	6,450	11,900	4,850	1,340	18,600	5,790	12,700	298	1,110	895	505	216
MIN	97	128	126	132	161	149	111	83	75	76	61	60
CFSM	4.00	3.64	2.27	0.79	9.84	2.15	3.25	0.36	0.60	0.60	0.31	0.31
IN.	4.61	4.06	2.61	0.92	10.25	2.48	3.63	0.41	0.67	0.69	0.36	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2003, BY WATER YEAR (WY)

	241	275	533	863	948	810	831	452	305	225	235	213
MEAN	1,753	1,230	3,042	3,690	3,419	2,435	3,531	3,261	3,134	1,139	1,243	1,460
(WY)	(1965)	(1949)	(1983)	(1990)	(1966)	(1980)	(1983)	(1953)	(2001)	(1989)	(1975)	(1977)
MIN	32.2	45.9	67.2	79.0	67.1	84.4	58.5	53.3	61.8	74.6	53.8	52.0
(WY)	(1964)	(1957)	(1967)	(1957)	(2000)	(2000)	(1963)	(1963)	(2000)	(1998)	(1954)	(1952)

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR			FOR 2003 WATER YEAR			WATER YEARS 1945 - 2003	
ANNUAL TOTAL	186,876			236,843			492	
ANNUAL MEAN	512			649			1,096	1983
HIGHEST ANNUAL MEAN							105	2000
LOWEST ANNUAL MEAN							34,400	Apr 7, 1983
HIGHEST DAILY MEAN	11,900	Nov 6		18,600	Feb 22		29	Oct 29, 1963
LOWEST DAILY MEAN	63	Jan 3		e60	Sep 28, 29		29	Oct 28, 1963
ANNUAL SEVEN-DAY MINIMUM	68	Jun 13		63	Aug 24		37,000	Apr 7, 1983
MAXIMUM PEAK FLOW				19,100	Feb 22		30.99	Jun 9, 2001
MAXIMUM PEAK STAGE				24.18	Feb 23		28	Aug 1, 1977
INSTANTANEOUS LOW FLOW				Unknown			1.73	
ANNUAL RUNOFF (CFSM)	1.80			2.28			23.53	
ANNUAL RUNOFF (INCHES)	24.48			31.02			958	
10 PERCENT EXCEEDS	837			1,120			123	
50 PERCENT EXCEEDS	124			145			59	
90 PERCENT EXCEEDS	74			74				

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.55	4.89	-1.18	5.51	0.23	2.07	-0.60	-0.73	-1.12	1.96	-1.14	-0.89
2	-0.86	1.80	-1.19	2.67	-0.38	1.38	-0.63	-0.75	-1.14	0.51	-0.36	-0.76
3	6.26	0.09	-0.72	0.64	-0.60	1.02	-0.64	-0.77	-1.09	3.32	-0.44	0.15
4	7.69	1.91	6.09	0.00	-0.71	0.84	-0.66	-0.79	-1.13	-0.34	-0.95	-0.37
5	4.14	11.66	11.47	-0.30	-0.79	0.73	---	-0.83	-1.08	2.13	-1.08	-0.81
6	1.41	17.96	5.98	-0.48	0.59	0.82	---	-0.85	-1.08	1.11	-1.13	-0.99
7	2.65	11.12	1.32	-0.60	10.78	3.00	---	-0.87	-1.12	0.13	-1.16	-1.05
8	0.57	5.34	0.21	-0.69	7.51	0.88	---	-0.89	-1.17	-0.58	-1.17	-1.07
9	0.02	2.07	-0.21	-0.74	3.29	0.50	19.89	-0.91	-1.16	-0.72	-1.18	-1.08
10	0.05	0.54	-0.22	-0.80	0.86	0.28	8.91	-0.93	-1.20	-0.74	-1.19	-1.09
11	-0.30	2.54	-0.35	-0.85	0.79	0.13	---	-0.94	-1.20	-0.37	-1.20	-1.07
12	0.71	2.05	-0.43	-0.89	0.22	0.04	---	-0.96	-1.22	-0.08	1.50	-0.25
13	-0.30	0.21	-0.25	-0.94	-0.15	4.78	---	-0.97	-1.18	-0.54	-0.63	0.54
14	-0.70	-0.25	1.00	-0.96	-0.37	12.58	---	-0.88	-1.19	-0.74	-0.93	-0.39
15	-0.88	-0.21	0.13	-0.98	3.06	8.76	0.19	-0.89	-1.15	---	-1.07	-0.25
16	-0.99	-0.39	-0.39	-1.00	14.48	3.57	0.05	-0.92	-1.10	---	-1.11	-0.82
17	-1.06	-0.66	-0.62	-1.03	9.94	1.69	-0.06	-0.97	-0.95	---	-1.07	-0.97
18	-1.12	-0.79	-0.78	-1.04	4.85	1.74	-0.15	-0.96	0.34	-0.39	-1.05	-1.02
19	-1.16	-0.87	-0.84	-1.06	1.44	1.62	-0.23	-0.99	-0.65	-0.27	-1.11	-1.04
20	-1.19	-0.03	-0.81	-1.07	0.38	1.70	-0.29	-0.99	---	-0.29	-1.12	-1.06
21	-1.21	-0.16	-0.87	-1.07	16.02	0.78	-0.34	-0.99	4.69	-0.54	-1.00	-1.05
22	-1.22	-0.74	-0.92	-1.07	23.54	0.27	-0.40	-1.02	2.40	-0.74	-1.00	-0.21
23	-1.24	-0.93	0.11	-1.08	21.92	0.03	-0.45	-1.04	-0.08	---	-1.05	-0.47
24	-1.25	-1.01	9.53	-1.10	13.34	-0.01	-0.48	-1.05	-0.66	---	-1.04	-0.83
25	-0.95	-1.06	6.74	-1.12	7.74	-0.15	-0.49	-1.06	-0.76	-0.44	-1.10	-1.00
26	2.27	-1.09	1.79	-0.92	3.84	-0.26	-0.56	-1.07	-0.78	-0.74	-1.09	-1.04
27	7.91	-1.12	0.31	-0.87	5.56	-0.24	-0.59	0.92	-0.77	---	-1.11	-1.05
28	13.24	-1.16	-0.17	-0.95	3.81	-0.27	-0.64	-0.38	-0.39	---	-1.11	---
29	12.97	-1.17	-0.42	-0.99	---	-0.35	-0.68	-0.89	-0.21	-1.09	-1.09	---
30	12.67	-1.16	-0.57	-0.48	---	-0.48	-0.71	-1.02	1.08	-1.12	-1.08	---
31	9.64	---	3.12	2.42	---	-0.56	---	-1.09	---	-1.14	-0.83	---
MAX	13.24	17.96	11.47	5.51	23.54	12.58	---	0.92	---	---	1.50	---
MIN	-1.25	-1.17	-1.19	-1.12	-0.79	-0.56	---	-1.09	---	---	-1.20	---

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in sec. 2, T. 7 S., R. 2 E., St. Helena Meridian, East Baton Rouge-Livingston Parish line, Hydrologic Unit 08070202, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Sept. 1, 1938, to Aug. 8, 1939, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station from October 1945 to September 1983.

REMARKS.--Records good. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year. Satellite telemetry and rain gage at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 31	0730	19,900	27.90	Feb 24	0629	*54,000	*34.17
Nov 7	0530	25,600	29.15	Mar 15	0146	13,400	25.98
Feb 17	1800	13,800	26.13	Apr 9	2025	28,600	29.71

Minimum discharge, 387 ft³/s, Sept. 11, 30, gage height, 9.99 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,620	15,200	663	5,160	2,260	4,150	783	708	530	2,350	638	564
2	1,730	9,570	655	5,210	1,540	2,910	751	698	527	1,760	746	597
3	4,630	3,940	686	3,430	1,190	2,280	729	686	552	3,150	820	726
4	8,330	2,360	3,510	2,260	1,050	1,950	710	675	540	1,760	621	644
5	8,810	6,990	8,090	1,750	930	1,790	955	662	547	3,630	564	554
6	7,500	18,500	8,920	1,480	1,090	1,960	3,440	651	582	3,400	e537	470
7	5,550	24,100	5,180	1,310	6,150	3,410	2,910	642	635	2,230	487	433
8	3,490	16,600	2,450	1,190	9,880	2,400	10,100	631	564	1,590	475	415
9	2,300	9,160	1,670	1,100	8,840	1,800	23,300	621	551	1,070	459	404
10	2,380	4,010	1,550	1,040	4,890	1,540	20,100	613	531	899	447	395
11	1,740	2,910	1,390	981	2,760	1,350	8,010	601	525	1,260	436	390
12	1,850	4,250	1,300	930	2,450	1,210	3,090	596	529	1,210	1,550	497
13	1,550	2,710	1,370	882	1,970	2,780	1,860	585	543	1,010	1,220	1,100
14	1,310	1,870	1,850	848	1,590	10,500	1,540	618	539	893	658	722
15	1,040	1,570	1,990	825	2,450	12,500	1,330	622	560	749	556	618
16	898	1,520	1,640	807	9,590	8,290	1,190	610	773	678	497	520
17	798	1,260	1,300	778	13,300	4,130	1,090	602	905	817	472	444
18	730	1,120	1,100	761	11,900	3,150	1,010	618	1,110	1,050	467	418
19	676	1,040	995	e741	6,900	3,400	955	599	790	779	432	407
20	635	1,240	960	e728	3,040	3,970	916	596	712	925	424	402
21	605	1,550	1,030	714	7,620	3,690	885	588	1,700	852	475	418
22	580	1,140	998	712	26,500	2,480	856	595	1,990	712	506	616
23	558	963	1,160	698	45,800	1,790	827	576	1,480	671	627	672
24	537	866	6,720	675	50,200	1,500	801	554	941	620	529	527
25	702	808	8,660	658	26,300	1,310	804	543	722	948	464	453
26	2,440	765	6,180	711	10,200	1,180	786	536	632	1,450	440	431
27	5,970	729	3,230	783	6,730	1,120	764	830	680	1,020	428	468
28	11,700	694	2,030	738	6,080	1,050	739	848	1,010	748	411	420
29	15,700	671	1,620	723	---	993	718	643	1,020	660	436	403
30	18,000	667	1,390	800	---	892	709	569	1,390	590	446	393
31	19,100	---	2,830	2,200	---	832	---	539	---	599	616	---
MEAN	4,402	4,626	2,681	1,343	9,757	2,978	3,089	628	804	1,293	577	517
MAX	19,100	24,100	8,920	5,210	50,200	12,500	23,300	848	1,990	3,630	1,550	1,100
MIN	537	667	655	658	930	832	709	536	525	590	411	390
AC-FT	270,700	275,300	164,900	82,560	541,900	183,100	183,800	38,590	47,820	79,500	35,470	30,790
CFSM	3.44	3.61	2.09	1.05	7.62	2.33	2.41	0.49	0.63	1.01	0.45	0.40
IN.	3.97	4.03	2.42	1.21	7.94	2.68	2.69	0.57	0.70	1.16	0.52	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2003, BY WATER YEAR (WY)

MEAN	946	1,213	2,288	3,336	3,919	3,645	3,415	2,064	1,396	1,163	1,069	1,023
MAX	5,821	4,733	9,423	14,540	11,810	9,131	13,150	13,590	10,600	5,309	4,919	5,637
(WY)	(1965)	(1958)	(1983)	(1990)	(1966)	(1973)	(1980)	(1953)	(2001)	(1940)	(1983)	(1977)
MIN	243	299	420	515	429	565	512	319	385	414	367	320
(WY)	(2001)	(2002)	(1967)	(1957)	(2000)	(2000)	(1963)	(2001)	(2000)	(2000)	(2000)	(2000)

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1914 - 2003	
ANNUAL MEAN	2,195		2,672		2,114	
HIGHEST ANNUAL MEAN					4,433	1983
LOWEST ANNUAL MEAN					599	2000
HIGHEST DAILY MEAN	24,100	Nov 7	50,200	Feb 24	105,000	Apr 8, 1983
LOWEST DAILY MEAN	276	Sep 15	390	Sep 11	230	Oct 26, 2000
ANNUAL SEVEN-DAY MINIMUM	301	Sep 11	429	Sep 6	230	Oct 26, 2000
MAXIMUM PEAK FLOW			54,000	Feb 24	112,000	Apr 8, 1983
MAXIMUM PEAK STAGE			34.17	Feb 24	41.50	Apr 8, 1983
INSTANTANEOUS LOW FLOW			387	Sep 11, 30	229	Oct 29, 2000
ANNUAL RUNOFF (AC-FT)	1,589,000		1,934,000		1,532,000	
ANNUAL RUNOFF (CFSM)	1.71		2.09		1.65	
ANNUAL RUNOFF (INCHES)	23.28		28.34		22.44	
10 PERCENT EXCEEDS	5,720		6,800		4,570	
50 PERCENT EXCEEDS	873		930		849	
90 PERCENT EXCEEDS	370		514		422	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.66	26.60	11.20	19.52	14.49	18.31	11.78	11.15	10.57	14.93	10.93	10.69
2	13.67	23.84	11.18	19.59	13.00	16.20	11.70	11.12	10.56	13.74	11.28	10.80
3	18.35	17.71	11.26	16.76	12.23	15.00	11.64	11.08	10.64	16.41	11.51	11.22
4	23.19	14.96	17.01	14.50	11.88	14.35	11.59	11.05	10.60	13.69	10.88	10.95
5	23.55	21.36	22.89	13.44	11.61	14.02	12.15	11.00	10.63	17.30	10.69	10.66
6	22.46	27.44	23.59	12.87	11.96	14.36	17.14	10.97	10.74	16.91	---	10.39
7	20.17	28.84	19.59	12.50	20.55	17.09	16.17	10.94	10.92	14.70	10.43	10.27
8	17.06	26.96	15.13	12.22	24.23	15.24	23.89	10.90	10.68	13.38	10.40	10.20
9	14.84	23.56	13.55	12.02	23.49	14.05	28.61	10.87	10.64	12.20	10.36	10.16
10	15.00	17.86	13.29	11.88	19.02	13.51	27.81	10.84	10.57	11.76	10.32	10.13
11	13.69	16.00	12.95	11.73	15.49	13.09	22.57	10.81	10.55	12.59	10.28	10.11
12	13.94	18.34	12.74	11.61	14.88	12.80	16.30	10.78	10.56	12.53	12.91	10.47
13	13.30	15.64	12.90	11.49	13.91	15.52	13.95	10.75	10.61	12.07	12.46	12.14
14	12.76	13.97	13.92	11.40	13.12	24.45	13.27	10.86	10.60	11.74	11.00	11.17
15	12.15	13.35	14.22	11.35	14.60	25.56	12.82	10.87	10.67	11.29	10.66	10.85
16	11.80	13.23	13.48	11.30	23.90	23.01	12.50	10.83	11.35	11.06	10.47	10.52
17	11.55	12.65	12.74	11.23	25.96	18.24	12.27	10.81	11.76	11.42	10.39	10.25
18	11.38	12.33	12.29	11.19	25.30	16.65	12.08	10.86	12.31	12.08	10.38	10.13
19	11.24	12.14	12.04	---	21.53	17.10	11.92	10.79	11.42	11.38	10.27	10.08
20	11.13	12.58	11.95	---	16.00	18.07	11.80	10.79	11.17	11.83	10.24	10.05
21	11.05	13.29	12.13	11.07	21.05	17.60	11.71	10.76	13.51	11.61	10.40	10.12
22	10.98	12.38	12.04	11.06	29.23	15.39	11.62	10.79	14.23	11.17	10.50	10.84
23	10.92	11.96	12.38	11.02	32.79	14.02	11.53	10.72	13.14	11.04	10.90	11.03
24	10.86	11.72	21.47	10.96	33.54	13.41	11.45	10.65	11.86	10.88	10.57	10.55
25	11.25	11.57	23.43	10.92	29.17	13.00	11.46	10.61	11.20	11.81	10.37	10.28
26	15.10	11.47	20.82	11.05	24.27	12.71	11.40	10.59	10.92	13.07	10.29	10.19
27	20.50	11.37	16.37	11.24	21.69	12.58	11.33	11.47	11.06	12.05	10.25	10.34
28	25.17	11.28	14.04	11.13	20.94	12.43	11.25	11.59	12.05	11.29	10.19	10.14
29	26.73	11.22	13.18	11.09	---	12.29	11.18	10.94	12.07	11.01	10.28	10.06
30	27.44	11.21	12.68	11.28	---	12.04	11.16	10.70	12.83	10.78	10.31	10.01
31	27.70	---	15.56	14.34	---	11.90	---	10.60	---	10.81	10.86	---
MAX	27.70	28.84	23.59	---	33.54	25.56	28.61	11.59	14.23	17.30	---	12.14
MIN	10.86	11.21	11.18	---	11.61	11.90	11.16	10.59	10.55	10.78	---	10.01

07378745 ALLIGATOR BAYOU NEAR KLEINPETER, LA

LOCATION.--Lat 30°19'15", long 91°01'12", in sec. 28, T. 8 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, about 2.0 miles southwest of Prairieville Post Office on south side of Alligator Bayou Road and approximately 0.4 mile south of Interstate 10.

DRAINAGE AREA.--49.27 mi².

PERIOD OF RECORD.--November 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Gage is affected by lock on Alligator Bayou.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 10.14 ft, June 15, 2001, obtained from comparison with Bluff Swamp Lock nr Kleinpeter; minimum, 2.54 ft, Jan. 23, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.43 ft, Oct. 5; minimum elevation, 2.54 ft, Jan. 23.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.73	6.87	4.50	6.25	4.00	7.01	5.30	5.42	4.96	5.68	5.46	5.49
2	6.55	6.79	5.17	6.02	4.08	7.02	5.30	5.42	4.96	5.70	5.47	5.58
3	7.02	6.64	4.76	5.81	4.15	7.03	5.32	5.41	5.00	5.70	5.46	5.58
4	7.30	6.54	4.17	5.56	4.20	6.94	5.33	5.41	5.01	5.72	5.44	5.58
5	7.37	6.61	5.14	5.27	4.23	6.77	5.31	5.39	5.01	5.74	5.42	5.59
6	7.39	6.76	5.54	4.95	4.30	6.71	5.37	5.37	5.02	5.81	5.42	5.59
7	7.27	6.74	5.39	4.67	4.47	7.13	5.12	5.36	5.06	5.81	5.40	5.58
8	7.10	6.83	4.68	4.72	4.58	7.15	6.16	5.33	5.07	5.64	5.38	5.57
9	7.02	6.80	4.71	5.05	4.67	7.07	6.92	5.31	5.06	5.19	5.36	5.56
10	---	6.65	5.43	5.39	4.77	6.94	7.16	5.31	5.05	5.57	5.34	4.55
11	7.24	6.53	5.72	---	4.85	6.79	7.21	5.28	5.06	5.64	5.32	4.13
12	7.14	6.44	5.37	---	4.91	6.63	7.23	5.25	5.11	5.69	5.34	5.06
13	6.97	6.31	4.93	---	4.96	6.49	7.21	5.24	5.14	5.68	5.37	5.27
14	6.81	6.14	4.69	---	5.01	6.45	7.04	5.23	5.14	5.58	5.38	5.40
15	6.65	5.97	---	5.59	5.12	6.35	6.86	5.21	5.19	5.63	5.36	5.45
16	6.47	5.81	---	5.60	5.72	6.25	6.68	5.20	5.22	5.52	5.35	5.46
17	6.32	5.62	---	5.59	5.95	6.15	6.50	5.19	5.27	5.53	5.37	5.44
18	---	5.41	---	5.61	5.91	5.98	6.31	5.16	5.27	5.66	5.39	5.44
19	---	---	---	5.61	5.72	5.93	6.11	5.14	5.30	5.70	5.38	4.73
20	---	---	5.35	5.63	5.44	5.79	5.89	5.13	5.39	5.76	5.37	5.10
21	---	---	5.38	5.29	5.75	5.59	5.64	5.11	5.38	5.19	5.41	5.23
22	5.16	---	5.41	3.97	6.54	5.32	5.33	5.09	5.37	5.53	5.43	5.35
23	4.94	---	5.11	2.85	6.73	4.99	4.95	5.07	5.35	5.64	5.43	5.42
24	4.73	---	6.10	3.51	6.77	5.00	4.46	5.06	5.33	5.66	5.42	5.45
25	5.21	5.84	6.59	4.53	6.81	5.15	4.68	5.05	5.33	5.66	5.41	5.45
26	5.78	5.85	6.62	3.64	6.87	4.54	5.28	5.03	5.36	5.66	5.40	5.46
27	6.11	5.70	6.46	2.70	6.95	5.11	5.36	5.02	5.46	5.68	5.39	5.48
28	6.27	5.44	6.24	2.62	6.99	5.20	5.40	5.01	5.46	5.67	5.38	5.45
29	---	5.24	6.02	2.62	---	5.21	5.42	5.00	5.45	5.65	5.36	5.43
30	6.90	4.57	5.85	2.89	---	5.25	5.42	4.98	5.51	5.11	5.37	5.41
31	6.92	---	6.16	3.86	---	5.28	---	4.98	---	5.39	5.41	---
MAX	---	---	---	---	6.99	7.15	7.23	5.42	5.51	5.81	5.47	5.59
MIN	---	---	---	---	4.00	4.54	4.46	4.98	4.96	5.11	5.32	4.13

07378746 BAYOU MANCHAC AT ALLIGATOR BAYOU NEAR KLEINPETER, LA
(formerly 07380090 Alligator Bayou near Prairieville, La.)

LOCATION.--Lat 30°19'16", long 91°01'15", in sec. 28, T. 8 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, about 2.0 miles southwest of Prairieville
Post Office on north side of Alligator Bayou Road and approximately 0.4 mile south of Interstate 10.

DRAINAGE AREA.--51.72 mi².

PERIOD OF RECORD.--December 1997 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 15.62 ft, June 10, 2001 (from highwater mark); minimum, -0.40 ft, June 1, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 10.60 ft, Feb. 25, 26; minimum elevation, -0.40 ft, June 1.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.35	6.80	2.53	5.36	0.62	8.38	1.12	1.79	-0.29	4.63	0.47	2.54
2	5.88	6.59	1.54	5.47	0.41	7.54	0.97	1.62	-0.19	3.40	0.46	2.34
3	7.18	6.22	2.36	5.23	0.40	6.62	1.05	1.32	0.27	2.75	0.43	2.02
4	7.62	5.92	3.35	4.95	0.35	6.11	1.14	1.15	0.38	2.29	0.44	1.83
5	7.24	6.08	4.59	4.68	0.54	5.87	1.78	1.18	0.82	3.23	0.31	1.78
6	6.85	6.39	3.93	4.41	1.37	5.80	2.50	1.20	1.14	4.47	0.20	1.70
7	6.42	6.42	3.98	4.27	2.45	6.65	3.71	1.25	0.97	3.25	-0.05	1.72
8	6.26	6.84	4.27	3.94	2.28	6.56	8.79	1.19	0.74	2.70	-0.01	1.85
9	6.22	6.73	3.14	3.38	2.80	6.26	8.80	1.28	0.58	2.86	0.33	1.83
10	6.74	6.31	3.03	2.56	2.74	5.92	8.79	1.30	0.34	1.49	0.57	2.87
11	6.52	5.96	2.90	2.29	1.48	5.61	8.67	0.95	0.45	1.37	0.67	2.15
12	6.22	5.77	3.74	2.13	1.02	5.39	7.83	0.73	0.47	2.14	2.79	2.05
13	5.92	5.61	4.46	1.96	0.79	5.28	6.85	0.87	0.60	1.80	3.94	3.73
14	5.72	5.43	4.30	1.75	0.85	5.35	6.50	0.90	0.62	1.77	2.24	4.10
15	5.61	5.30	3.97	1.54	2.47	5.36	6.09	0.68	0.86	1.66	1.46	2.89
16	5.47	5.19	3.20	1.40	6.44	5.44	5.74	0.62	1.43	1.84	1.50	1.91
17	5.34	5.04	1.99	1.14	5.98	5.40	5.45	0.61	1.82	2.00	1.38	1.69
18	5.21	4.87	1.59	0.97	5.63	5.16	5.21	0.44	1.93	2.77	1.03	1.50
19	5.11	4.71	1.29	0.83	5.43	5.27	5.02	0.50	2.42	1.75	0.76	2.34
20	4.99	4.59	1.60	0.65	4.98	5.19	4.88	0.74	4.16	1.45	0.63	1.39
21	4.88	4.03	1.35	1.84	6.78	5.06	4.72	1.00	2.99	2.46	1.02	1.44
22	4.68	3.11	1.20	3.52	8.49	4.84	4.52	0.95	1.70	0.74	1.29	1.97
23	4.53	2.67	3.25	2.66	8.72	4.58	4.28	0.91	1.03	0.95	1.44	1.79
24	4.39	2.37	7.03	1.28	9.71	3.73	3.96	0.99	1.00	0.54	1.53	1.72
25	3.72	2.19	6.74	0.47	10.45	3.11	3.22	0.77	1.34	0.74	1.58	1.76
26	4.72	2.01	6.41	1.67	10.50	3.46	2.57	0.43	1.96	1.34	1.51	2.01
27	4.87	2.58	6.07	1.81	10.04	2.43	2.38	0.55	3.79	1.68	1.40	2.09
28	5.88	3.21	5.64	1.49	9.19	2.33	2.23	0.74	3.27	1.07	1.42	1.84
29	6.74	3.15	5.31	1.20	---	2.15	2.01	0.47	1.99	1.24	1.50	1.71
30	7.08	3.52	5.06	0.99	---	1.72	1.90	0.01	3.13	2.06	2.06	1.85
31	6.89	---	5.27	0.65	---	1.36	---	-0.18	---	0.64	2.52	---
MAX	7.62	6.84	7.03	5.47	10.50	8.38	8.80	1.79	4.16	4.63	3.94	4.10
MIN	3.72	2.01	1.20	0.47	0.35	1.36	0.97	-0.18	-0.29	0.54	-0.05	1.39

07379960 DAWSON CREEK AT BLUEBONNET BOULEVARD AT BATON ROUGE, LA

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

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1995-2001 (crest stage), October 2001 to September 2002 (gage height only). October 2002 to current year..

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--No estimated daily discharge. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 731 ft³/s, Apr. 8, 2003; minimum discharge, 0.20 ft³/s, May 14, 2003; maximum gage height, 22.79 ft, June 7, 2001; minimum, 3.91 ft, May 14, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 731 ft³/s, Apr. 8, gage height, 18.28 ft; minimum discharge, 0.20 ft³/s, May 14; minimum gage height, 3.91 ft, May 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	72	6.3	53	13	79	1.3	0.76	1.2	118	3.1	21
2	28	57	2.7	16	13	46	1.3	0.64	1.4	31	2.9	15
3	359	34	7.4	10	15	23	1.6	0.72	13	41	2.3	9.7
4	227	45	110	7.5	19	16	1.5	1.1	3.0	21	2.9	14
5	139	145	108	6.1	16	9.4	67	1.3	1.7	128	2.2	9.3
6	88	87	20	5.0	53	84	56	1.0	3.8	135	1.7	4.5
7	45	---	9.2	4.5	42	143	172	0.77	8.4	42	1.9	3.5
8	32	---	6.9	3.9	7.5	32	590	0.79	2.9	17	2.5	3.1
9	88	---	5.3	3.5	5.2	30	295	0.80	1.5	11	2.2	2.8
10	153	---	44	3.3	11	14	---	0.82	1.2	9.6	2.3	2.8
11	55	30	12	3.3	4.5	8.4	---	0.60	7.1	53	2.3	3.2
12	27	17	10	2.8	3.3	6.5	---	0.40	7.8	83	235	25
13	19	7.0	18	2.5	2.9	14	---	0.34	4.2	25	161	---
14	13	4.5	7.4	2.3	2.5	18	13	0.32	3.7	22	51	---
15	12	5.6	4.7	2.2	171	9.5	6.5	0.44	37	33	11	---
16	10	6.7	3.8	2.0	221	17	4.3	0.48	93	15	6.6	---
17	7.8	3.9	3.2	1.9	71	16	3.3	0.57	128	74	5.3	8.7
18	6.7	2.9	2.7	2.1	26	16	2.7	2.1	109	81	4.5	7.1
19	5.0	4.1	4.0	1.9	18	43	2.5	1.8	38	53	3.6	6.2
20	4.2	30	5.4	1.7	12	8.5	2.2	1.3	68	31	14	5.2
21	4.3	21	4.1	1.6	402	4.7	1.7	3.5	101	10	31	11
22	4.5	6.1	3.5	1.8	315	3.6	1.8	2.2	57	11	23	48
23	5.0	4.5	89	1.6	---	3.2	2.0	0.90	13	16	7.2	15
24	---	3.2	337	1.8	---	2.7	2.4	0.55	17	6.5	6.0	6.1
25	---	2.8	139	1.9	---	2.6	4.8	0.51	39	4.0	4.6	4.6
26	139	2.5	49	8.2	---	2.7	1.6	0.62	53	4.6	3.2	3.6
27	153	3.2	21	9.2	191	3.5	1.1	0.87	108	9.1	2.6	4.3
28	110	3.0	11	5.1	119	2.4	0.75	0.79	58	9.5	3.8	2.9
29	256	2.5	8.3	12	---	2.2	0.75	0.74	11	15	3.0	2.5
30	163	10	6.7	24	---	2.4	1.1	0.97	92	4.4	46	2.2
31	92	---	161	17	---	1.8	---	1.0	---	3.3	60	---
TOTAL	---	---	1,220.6	219.7	---	665.1	---	29.70	1,082.9	1,117.0	708.7	---

07379960 DAWSON CREEK AT BLUEBONNET BOULEVARD AT BATON ROUGE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.20	6.89	4.57	6.34	4.97	7.07	4.13	4.04	4.11	8.03	4.33	5.28
2	5.61	6.48	4.29	5.14	4.97	6.17	4.13	4.02	4.13	5.69	4.31	4.97
3	12.53	5.79	4.51	4.83	5.06	5.39	4.16	4.03	4.75	5.94	4.24	4.66
4	10.53	6.12	7.80	4.65	5.24	5.13	4.15	4.09	4.32	5.31	4.31	4.90
5	8.61	8.50	7.78	4.56	5.14	4.77	6.24	4.12	4.17	8.01	4.23	4.65
6	7.31	7.26	5.28	4.49	6.26	6.98	6.40	4.08	4.34	8.45	4.17	4.29
7	6.15	6.34	4.76	4.45	5.96	8.62	8.73	4.04	4.71	6.02	4.20	4.22
8	5.74	7.09	4.61	4.40	4.65	5.72	16.39	4.05	4.30	5.15	4.27	4.18
9	7.10	6.69	4.51	4.36	4.49	5.64	11.80	4.05	4.15	4.86	4.23	4.15
10	8.92	5.77	6.05	4.35	4.86	5.01	9.71	4.05	4.10	4.78	4.25	4.15
11	6.42	5.60	4.91	4.34	4.45	4.71	8.64	4.01	4.57	6.24	4.25	4.19
12	5.56	5.15	4.78	4.30	4.35	4.58	7.14	3.96	4.67	7.16	9.79	5.23
13	5.25	4.61	5.21	4.27	4.31	4.94	5.64	3.95	4.42	5.48	9.09	---
14	4.98	4.45	4.64	4.25	4.27	5.16	4.98	3.94	4.38	5.27	6.26	---
15	4.93	4.53	4.46	4.24	8.12	4.78	4.58	3.97	5.47	5.75	4.74	---
16	4.82	4.60	4.39	4.22	10.32	5.16	4.43	3.98	7.41	5.03	4.43	---
17	4.67	4.40	4.34	4.20	6.83	5.09	4.35	4.00	8.27	6.76	4.33	4.63
18	4.60	4.31	4.29	4.22	5.54	4.91	4.29	4.21	7.82	7.13	4.27	4.50
19	4.48	4.40	4.39	4.20	5.21	6.03	4.26	4.19	5.92	6.34	4.19	4.44
20	4.43	5.48	4.51	4.17	4.88	4.71	4.23	4.12	6.60	5.68	4.63	4.36
21	4.43	5.31	4.41	4.16	13.14	4.46	4.18	4.35	7.62	4.81	5.62	4.70
22	4.45	4.56	4.36	4.19	12.12	4.38	4.18	4.23	6.46	4.81	5.39	6.21
23	4.48	4.45	6.62	4.16	9.71	4.34	4.21	4.06	4.97	5.08	4.48	4.99
24	---	4.34	12.50	4.18	10.58	4.28	4.25	4.00	5.03	4.58	4.38	4.44
25	---	4.30	8.57	4.20	11.47	4.28	4.44	3.99	5.98	4.41	4.28	4.32
26	8.53	4.27	6.26	4.65	10.83	4.28	4.17	4.01	6.22	4.45	4.17	4.24
27	8.74	4.33	5.32	4.74	9.78	4.37	4.09	4.06	7.75	4.75	4.11	4.29
28	7.86	4.31	4.89	4.48	8.10	4.26	4.04	4.05	6.44	4.68	4.22	4.18
29	10.84	4.26	4.71	4.92	---	4.23	4.04	4.04	4.87	5.02	4.15	4.14
30	9.16	4.78	4.59	5.46	---	4.26	4.09	4.08	6.95	4.43	5.71	4.11
31	7.40	---	8.99	5.16	---	4.19	---	4.08	---	4.35	6.54	---
MAX	---	8.50	12.50	6.34	13.14	8.62	16.39	4.35	8.27	8.45	9.79	---
MIN	---	4.26	4.29	4.16	4.27	4.19	4.04	3.94	4.10	4.35	4.11	---

07379960 DAWSON CREEK AT BLUEBONNET BOULEVARD AT BATON ROUGE, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1999 to current year.

WATER TEMPERATURE: October 1999 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Feb. 27 and Apr. 8-9 when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 891 microsiemens/cm, Nov. 17, 1999; minimum, 50 microsiemens/cm, Aug. 8, 2001.

WATER TEMPERATURE: Maximum, 36.8°C, July 10, 2001; minimum, 2.7°C, Jan. 10, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 31...	1030	90	5.6	6.8	149	--	43	7.05	--	10.4	1.2	0.15	0.32
DEC 10...	0715	69	6.9	6.8	199	11.3	64	9.21	9.05	10.7	1.1	0.17	0.35
FEB 19...	0745	20	5.7	7.1	217	12.5	68	10.2	--	17.6	1.1	0.25	0.38
MAR 27...	0730	3.9	--	7.8	420	18.0	164	19.7	--	18.8	2.1	0.88	0.40
APR 17...	0745	3.4	2.4	7.3	311	21.8	112	15.3	--	17.1	1.3	0.32	0.41
MAY 19...	0845	1.9	2.2	8.3	535	26.3	231	28.4	--	9.5	0.98	0.08	0.06
JUN 24...	0815	7.2	2.1	7.3	252	29.1	38	13.7	--	16.9	1.5	0.65	0.25
JUL 16...	0830	10	1.7	7.2	180	27.7	68	7.70	--	9.6	1.1	0.28	0.22
AUG 11...	0945	2.4	3.9	7.8	573	28.1	189	57.2	--	9.8	0.78	<0.04	0.08

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Iron, water, fltrd, ug/L (01046)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)
OCT 31...	0.031	0.17	0.28o	--	<0.006	E.020	<0.006	<0.004	<0.005	0.106	<0.050	<0.010	<0.002
DEC 10...	0.020	0.18	0.31	144	<0.006	E.022	<0.006	<0.004	<0.005	1.34	<0.050	<0.010	<0.002
FEB 19...	0.036	0.08	0.19	--	<0.006	E.028	<0.006	<0.004	<0.005	0.412	<0.050	<0.010	<0.002
MAR 27...	0.111	0.15	0.37	--	<0.006	E.097	<0.006	<0.004	<0.005	1.76	<0.050	<0.010	<0.002
APR 17...	0.078	0.16	0.34	--	<0.006	E.074	<0.006	<0.004	<0.005	2.26	<0.050	<0.010	<0.002
MAY 19...	0.009	0.68	0.87	--	<0.006	E.035	<0.006	<0.004	<0.005	0.391	<0.050	<0.010	<0.002
JUN 24...	0.081	0.34	0.52	--	<0.006	E.043	<0.006	<0.004	<0.005	0.393	<0.050	<0.010	<0.002
JUL 16...	0.060	0.24	0.34	--	--	--	--	--	--	--	--	--	--
AUG 11...	0.014	0.52	0.63o	--	<0.006	E.011	<0.006	<0.004	<0.005	0.095	<0.050	<0.010	<0.002

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Carbaryl, water, fltrd 0.7u GF (82680)	Carbofuran, water, fltrd 0.7u GF (82674)	Chlorpyrifos, water, fltrd, ug/L (38933)	cis-Permethrin, water, fltrd 0.7u GF (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water, fltrd 0.7u GF (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethalfuralin, water, fltrd 0.7u GF (82663)	Ethoprop, water, fltrd 0.7u GF (82672)
OCT 31...	E.038	<0.020	<0.005	<0.006	<0.018	<0.003	0.006	0.047	<0.005	<0.02	0.004	<0.009	<0.005
DEC 10...	E.014	<0.020	<0.005	<0.006	<0.018	<0.003	0.006	0.070	<0.005	<0.02	<0.002	<0.009	<0.005
FEB 19...	E.022	<0.020	E.004n	<0.006	<0.018	<0.003	<0.004	0.061	<0.005	<0.02	<0.002	<0.009	<0.005
MAR 27...	E.012	<0.020	<0.005	<0.006	<0.018	<0.003	0.012	0.124	<0.005	<0.02	0.018	<0.009	<0.005
APR 17...	E.011	<0.020	<0.005	<0.006	<0.018	<0.003	0.009	0.040	<0.005	<0.02	0.004	<0.009	<0.005
MAY 19...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	0.006	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
JUN 24...	E.035	<0.020	<0.005	<0.006	<0.018	<0.003	0.008	0.081	0.006	<0.02	<0.002	<0.009	<0.005
JUL 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	0.008	0.045	<0.005	<0.02	<0.002	<0.009	<0.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Desulfinyl fipronil amide, wat flt ug/L (62169)	Fipronil sulfide, water, fltrd, ug/L (62167)	Fipronil sulfone, water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos, water, fltrd, ug/L (04095)	Lindane, water, fltrd, ug/L (39341)	Linuron, water, fltrd 0.7u GF (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF (82671)	Napropamide, water, fltrd 0.7u GF (82684)
OCT 31...	<0.009	0.008	E.014	E.041	<0.003	<0.004	<0.035	<0.027	<0.006	E.013n	<0.006	<0.002	<0.007
DEC 10...	E.005	0.009	0.013	E.065	<0.003	<0.004	<0.035	<0.027	<0.006	E.012n	<0.006	<0.002	<0.007
FEB 19...	<0.009	<0.005	<0.005	E.031	<0.003	<0.004	<0.035	<0.027	<0.006	E.011n	<0.006	<0.002	<0.007
MAR 27...	E.007	0.009	0.011	E.032	<0.003	<0.004	<0.035	<0.027	<0.006	0.017	<0.006	<0.005	<0.007
APR 17...	<0.009	0.005	0.010	E.024	<0.003	<0.004	<0.035	<0.027	<0.006	E.012n	<0.006	<0.002	<0.007
MAY 19...	E.004	0.007	0.006	E.006	<0.003	<0.004	<0.035	<0.027	<0.006	E.007n	<0.006	<0.002	<0.007
JUN 24...	<0.009	0.008	0.016	E.046	<0.003	<0.004	<0.035	<0.027	<0.006	0.018	<0.006	<0.002	<0.007
JUL 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11...	<0.009	0.008	0.009	E.012	<0.003	<0.004	<0.035	<0.027	<0.006	E.006n	<0.006	<0.002	<0.007

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)
OCT 31...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.066	E.01n	<0.034
DEC 10...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.506	<0.02	<0.034
FEB 19...	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.122	E.01n	<0.034
MAR 27...	<0.003	<0.010	<0.004	<0.022	<0.011	0.06	<0.004	<0.010	<0.011	<0.02	0.278	0.02	<0.034
APR 17...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.085	0.03	<0.034
MAY 19...	<0.003	<0.010	0.005	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.017	E.01n	<0.034
JUN 24...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.022	0.03	<0.034
JUL 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11...	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.019	<0.02	<0.034

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment load, tons/d (80155)
OCT 31...	<0.02	<0.005	<0.002	<0.009	39	9.5
DEC 10...	<0.02	<0.005	<0.002	<0.009	74	14
FEB 19...	<0.02	<0.005	<0.002	<0.009	51	2.8
MAR 27...	<0.02	<0.005	<0.002	<0.009	65	0.68
APR 17...	<0.02	<0.005	<0.002	<0.009	69	0.63
MAY 19...	<0.02	<0.005	<0.002	<0.009	55	0.28
JUN 24...	<0.02	<0.005	<0.002	<0.009	38	0.74
JUL 16...	--	--	--	--	33	0.89
AUG 11...	<0.02	<0.005	<0.002	<0.009	54	0.35

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

n -- Below the NDV

o -- Result determined by alternate method

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.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Gage is tide affected. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 16.92 ft (from floodmark), June 10, 2001; minimum, 0.33 ft (revised due to datum correction), May 20, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 13.38 ft, Feb. 25; minimum elevation, 1.19 ft, Jan. 19, June 14.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.60	7.14	1.29	2.89	1.39	4.43	1.52	1.97	1.27	3.73	---	3.01
2	4.00	6.48	1.29	2.91	1.29	3.39	---	1.89	1.25	3.20	---	2.81
3	5.83	4.90	1.39	2.27	---	2.85	---	1.69	1.24	3.22	---	2.61
4	6.11	3.41	1.98	1.68	---	2.92	1.48	1.62	1.24	2.79	---	2.47
5	6.10	4.01	3.20	1.52	---	2.81	1.81	1.66	1.39	3.19	---	2.37
6	5.89	4.79	3.48	1.39	1.80	2.88	2.39	1.75	1.87	3.74	---	2.33
7	5.13	6.56	3.37	1.37	2.34	3.79	3.11	1.89	1.74	3.14	---	2.39
8	4.26	7.72	2.10	1.35	2.96	3.24	6.93	1.84	1.62	2.79	---	2.53
9	3.85	6.80	1.68	1.30	3.55	2.84	7.02	1.97	---	2.53	---	2.51
10	4.05	4.72	2.09	1.28	3.34	2.38	8.85	2.02	---	2.16	---	2.44
11	3.55	3.15	1.85	1.27	1.90	2.18	8.31	1.76	---	1.82	---	2.47
12	3.23	3.17	1.94	1.38	1.66	2.14	5.44	1.59	---	1.95	1.83	2.62
13	2.95	2.60	2.16	1.47	1.57	2.44	2.78	1.57	---	1.91	2.22	3.03
14	2.71	2.08	1.68	1.35	1.60	3.42	2.08	1.66	1.25	2.12	1.86	2.74
15	2.62	2.12	1.51	1.27	2.29	4.42	1.85	1.56	1.35	2.37	2.03	2.39
16	2.39	1.92	1.43	1.28	4.09	4.90	1.84	1.46	1.64	2.29	2.17	2.33
17	2.33	1.76	1.37	1.23	4.41	4.08	1.86	1.43	1.78	2.04	1.93	2.30
18	2.34	1.66	1.51	1.21	4.96	3.09	1.72	1.39	1.92	1.88	1.69	2.20
19	2.52	1.61	1.78	---	4.74	3.30	1.96	1.35	2.16	1.65	1.63	2.18
20	2.28	1.65	1.59	---	3.01	3.08	2.15	1.38	2.11	---	1.62	2.01
21	2.30	1.73	1.38	---	4.90	2.71	2.04	1.67	1.92	---	1.72	2.13
22	2.37	1.65	1.37	---	6.72	2.12	1.82	1.72	1.86	---	1.92	2.36
23	2.41	1.59	2.34	---	9.67	1.91	1.91	1.63	1.70	---	2.15	2.30
24	2.48	1.54	4.83	---	12.57	1.75	2.21	1.68	1.72	---	2.22	2.34
25	2.63	1.52	4.47	---	12.92	1.67	2.08	1.66	1.99	---	2.22	2.39
26	3.17	1.52	4.12	---	10.49	1.69	1.72	1.42	2.29	1.58	2.18	2.64
27	3.54	1.49	2.93	---	7.82	1.74	1.83	1.35	2.45	1.70	2.05	2.71
28	4.40	1.45	1.93	---	5.72	2.01	1.80	1.39	2.40	1.59	2.08	2.46
29	5.77	1.41	1.67	---	---	1.91	1.76	1.38	2.50	1.61	2.21	2.36
30	6.57	1.33	1.65	1.27	---	1.62	1.93	1.33	3.23	---	2.61	2.50
31	7.00	---	2.87	1.30	---	1.56	---	1.30	---	---	2.96	---
MAX	7.00	7.72	4.83	---	---	4.90	---	2.02	---	---	---	3.03
MIN	2.28	1.33	1.29	---	---	1.56	---	1.30	---	---	---	2.01

073801175 GRAYS CREEK NEAR PORT VINCENT, LA

LOCATION.--Lat 30°24'39", long 90°54'52", in sec. 21, T. 7 S., R. 3 E., Livingston Parish, Hydrologic Unit 08070202, at bridge on State Highway 16, 1.0 miles from intersection of State Highway 16 and Juban Road.

DRAINAGE AREA.--30 mi².

PERIOD OF RECORD.--July 1998 to September 2001 (peak elevations only); October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 25.89 ft, June 8, 2001; minimum recorded gage height, 12.42 ft, Aug. 30, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.10 ft, Apr. 8; minimum gage height, 12.43 ft, May 31, June 1.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.66	13.05	12.79	14.91	12.71	13.08	12.79	12.57	12.48	17.43	12.64	13.28
2	12.67	12.87	12.75	13.33	12.67	12.98	12.76	12.55	12.55	13.87	12.60	13.14
3	18.39	12.81	12.78	12.97	12.67	12.91	12.73	12.53	12.56	21.41	12.58	12.69
4	16.66	13.32	15.24	12.82	12.80	12.89	12.76	---	12.49	17.31	12.55	12.60
5	13.41	15.72	16.93	12.72	12.76	12.85	13.61	---	12.50	19.37	12.55	13.33
6	13.36	14.49	13.66	12.69	13.31	14.28	13.65	12.50	12.51	21.29	12.55	12.64
7	12.88	13.17	13.08	12.67	14.43	19.44	16.01	12.57	12.60	15.81	12.55	12.58
8	12.77	12.91	12.89	12.68	12.92	14.25	23.72	12.58	12.54	13.69	12.67	12.60
9	13.53	12.86	12.81	12.66	12.68	13.72	22.42	12.58	12.54	13.16	12.60	12.56
10	16.19	12.91	14.88	12.63	12.88	13.27	15.57	12.59	12.54	12.80	12.59	12.56
11	13.31	14.97	13.59	12.61	12.72	12.98	13.65	12.55	12.58	13.23	12.55	12.56
12	12.81	13.67	13.14	12.60	12.59	12.88	13.13	12.56	12.71	14.72	13.07	12.58
13	12.67	12.99	14.10	12.59	12.56	14.29	12.87	12.50	12.79	12.79	14.33	13.93
14	12.63	12.82	13.20	12.59	12.58	14.37	12.79	12.55	12.63	12.65	12.72	13.82
15	12.62	12.78	12.93	12.60	14.78	13.39	12.78	12.49	12.64	12.70	12.60	12.69
16	12.59	12.77	12.84	12.70	19.26	13.03	12.73	12.56	12.67	12.68	12.56	12.59
17	12.60	12.74	12.80	12.76	13.89	13.10	12.69	12.61	12.57	12.72	12.59	12.60
18	12.61	12.72	12.77	12.77	13.11	13.23	12.71	12.65	12.45	13.10	12.59	12.60
19	12.62	12.83	12.77	12.77	12.92	14.95	12.72	12.66	13.44	12.73	12.56	12.61
20	12.66	13.23	12.83	12.78	12.88	13.18	12.71	12.60	15.30	12.92	12.59	12.60
21	12.64	13.45	12.76	12.79	19.26	12.91	12.70	12.58	14.94	12.66	13.25	12.77
22	12.59	12.87	12.73	12.74	21.22	12.83	12.63	12.59	13.29	12.60	12.87	13.65
23	12.64	12.76	14.37	12.71	14.88	12.79	12.64	12.50	12.59	12.75	12.95	12.88
24	12.63	12.73	20.56	12.70	13.76	12.77	---	12.56	12.48	12.82	12.69	12.65
25	12.76	12.73	15.30	12.70	13.38	12.81	---	12.61	12.44	12.89	12.64	12.61
26	14.98	12.73	13.39	12.82	13.35	12.81	---	12.65	12.93	14.30	12.68	13.19
27	14.88	12.71	13.06	13.00	15.54	12.78	---	12.56	14.61	13.45	13.07	13.38
28	15.27	12.72	12.89	12.75	13.46	12.80	---	12.47	14.47	12.68	12.70	12.76
29	18.12	12.70	12.80	12.69	---	12.81	---	12.48	12.71	12.58	12.67	12.61
30	16.02	12.75	12.77	12.75	---	12.78	12.61	12.45	14.83	12.59	12.83	12.57
31	13.45	---	16.82	12.76	---	12.76	---	12.44	---	12.89	14.10	---
MAX	18.39	15.72	20.56	14.91	21.22	19.44	---	---	15.30	21.41	14.33	13.93
MIN	12.59	12.70	12.73	12.59	12.56	12.76	---	---	12.44	12.58	12.55	12.56

07380120 AMITE RIVER AT PORT VINCENT, LA

LOCATION.--Lat 30°19'57", long 90°51'07", in sec. 19, T. 8 S., R. 4 E. Livingston Parish, Hydrologic Unit 08070202, on downstream side of bridge on State Highway 42, 0.1 mi east of intersection of State Highway 42 and 431, 0.2 mi west of intersection of State Highway 42 and 16, 0.5 mi downstream from mouth of Grays Creek.

DRAINAGE AREA.--1,596 mi².

PERIOD OF RECORD.--Oct. 25, 1983 to Sept. 30, 1984 (elevations only), October 1984 to current year. Prior to Oct. 24, 1983, elevations only in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is NGVD of 1929. Prior to Oct. 25, 1983, operated by Corps of Engineers, same site and location.

REMARKS.--No estimated daily discharges. Records fair. Satellite telemetry and rain gage at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.65 ft, Apr. 9, 1983; minimum gage height, -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 daily discharge, 38,600 ft³/s, Feb. 24, maximum gage height, 9.86 ft, Feb. 25; minimum daily discharge, 141 ft³/s, Sept. 11; minimum gage height, -0.05 ft, Jan. 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,840	16,000	661	5,140	---	6,990	838	686	486	3,630	810	656
2	3,650	14,100	520	5,720	---	4,640	511	883	414	2,220	840	714
3	6,620	9,230	613	4,630	---	3,210	570	852	487	4,000	733	669
4	8,250	3,930	2,650	2,800	---	2,520	840	665	466	2,430	485	762
5	8,780	5,670	6,600	2,020	---	2,390	1,300	570	163	4,270	570	694
6	9,110	9,280	7,660	1,640	801	3,080	2,870	546	488	5,340	413	426
7	7,640	14,400	7,460	1,370	4,090	5,800	4,200	630	752	3,210	528	329
8	5,260	18,000	3,850	1,460	7,050	4,120	12,300	510	550	2,020	260	178
9	3,570	15,200	1,970	1,170	8,320	2,860	13,900	475	639	1,480	358	225
10	4,320	9,420	2,330	942	7,530	2,340	19,600	476	533	1,250	384	298
11	2,780	4,430	1,710	746	3,580	1,880	18,200	755	427	1,250	278	141
12	2,420	4,790	1,210	702	2,430	---	9,850	307	549	1,750	1,570	174
13	2,140	3,720	1,950	782	1,890	---	3,620	247	456	1,040	2,440	1,400
14	1,860	2,270	2,040	721	1,460	---	2,370	522	458	837	768	1,490
15	1,570	1,860	2,150	626	2,400	---	1,980	412	419	752	572	627
16	1,460	2,040	1,820	674	8,140	---	1,600	152	816	835	783	557
17	1,250	1,650	1,350	747	9,650	---	1,600	438	999	1,180	735	541
18	1,060	1,400	948	541	11,300	---	1,300	580	---	1,660	838	383
19	1,120	1,280	935	556	10,800	---	1,180	472	---	1,130	590	631
20	1,150	1,270	1,020	431	6,120	---	1,180	445	---	1,250	514	409
21	1,000	1,820	834	555	8,080	---	1,250	498	---	1,320	560	251
22	956	1,300	919	803	13,900	3,370	1,110	577	---	932	607	963
23	861	950	1,720	---	24,500	2,290	663	341	---	899	689	715
24	830	767	8,290	---	38,600	1,850	899	369	---	330	647	542
25	938	714	8,690	---	37,800	1,480	1,070	600	---	697	556	314
26	3,550	781	8,350	---	24,400	1,360	910	360	856	1,630	482	354
27	5,380	691	5,320	---	15,000	1,160	589	362	1,690	1,430	441	648
28	8,500	732	2,820	---	9,740	1,140	809	724	1,690	893	296	634
29	11,700	769	2,070	---	---	1,070	455	661	877	1,080	171	229
30	14,300	955	1,640	---	---	1,150	500	509	1,570	801	258	168
31	15,400	---	3,640	---	---	937	---	490	---	642	617	---
TOTAL	147,265	149,419	93,740	---	---	---	108,064	16,114	---	52,188	19,793	16,122
MEAN	4,750	4,981	3,024	---	---	---	3,602	520	---	1,683	638	537

07380120 AMITE RIVER AT PORT VINCENT, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.39	4.71	0.77	2.15	1.12	3.28	0.27	1.96	0.31	3.42	1.11	3.04
2	3.56	4.41	1.11	2.07	0.93	2.54	0.62	1.85	0.52	3.09	1.08	2.83
3	4.59	3.65	1.19	1.54	0.99	2.26	1.23	1.55	0.89	3.00	1.13	2.63
4	5.19	2.89	1.59	1.05	0.94	2.53	1.52	1.49	1.10	2.71	1.15	2.51
5	5.09	3.11	2.17	0.92	1.23	2.46	1.76	1.68	1.59	2.90	1.01	2.42
6	4.80	3.48	2.38	0.89	1.80	2.23	2.16	1.78	1.87	3.31	0.90	2.37
7	4.25	4.13	2.35	1.02	1.93	2.73	2.56	1.89	1.68	3.00	0.62	2.40
8	3.63	4.86	1.62	0.65	2.04	2.64	4.41	1.84	1.49	2.74	0.71	2.53
9	3.23	4.49	1.37	0.32	2.36	2.36	5.13	1.97	1.32	2.49	1.05	2.52
10	3.31	3.38	1.75	0.60	2.33	1.94	6.26	2.01	1.09	2.15	1.28	2.43
11	3.07	2.51	1.69	0.90	1.51	1.82	6.10	1.61	1.17	1.79	1.38	2.47
12	2.82	2.57	1.76	1.28	1.39	1.83	4.11	1.47	1.11	1.87	1.59	2.61
13	2.61	2.09	1.91	1.34	1.26	2.04	2.03	1.60	1.30	1.88	1.86	2.76
14	2.43	1.72	1.22	1.14	1.45	2.52	1.43	1.62	1.34	2.11	1.80	2.54
15	2.36	1.83	0.96	0.99	1.73	2.94	1.23	1.40	1.52	2.38	2.01	2.32
16	2.13	1.52	1.01	1.01	2.66	3.26	1.46	1.35	1.57	2.29	2.16	2.29
17	2.08	0.91	1.07	0.38	2.85	3.05	1.44	1.32	1.72	1.95	1.90	2.26
18	2.11	0.70	1.41	0.30	3.11	2.61	1.40	1.15	---	1.68	1.62	2.16
19	2.32	0.84	1.71	0.14	3.05	2.75	1.74	1.23	---	1.38	1.42	2.13
20	2.06	1.06	1.35	0.25	2.16	2.58	2.00	1.49	---	1.29	1.31	1.96
21	2.12	1.38	1.15	0.38	2.97	2.15	1.84	1.74	---	0.94	1.64	2.09
22	2.21	1.23	1.18	0.60	4.54	1.65	1.61	1.67	---	0.54	1.90	2.30
23	2.27	1.22	1.67	0.37	6.55	1.53	1.85	1.67	---	0.43	2.14	2.24
24	2.35	1.24	3.19	0.46	9.20	1.39	2.13	1.74	---	0.75	2.22	2.31
25	2.43	1.31	3.18	0.50	9.65	1.37	1.98	1.49	---	1.22	2.26	2.40
26	2.65	1.35	2.83	0.76	8.03	1.40	1.61	1.19	2.26	1.52	2.21	2.67
27	2.83	1.25	2.06	0.93	5.91	1.63	1.87	1.29	2.21	1.59	2.08	2.73
28	3.26	1.26	1.36	0.97	4.29	1.97	1.71	1.46	2.22	1.50	2.11	2.49
29	3.84	1.11	1.13	1.05	---	1.82	1.77	1.18	2.47	1.35	2.25	2.37
30	4.39	0.80	1.27	1.10	---	0.98	1.91	0.70	3.04	1.31	2.64	2.51
31	4.63	---	2.08	1.21	---	0.47	---	0.44	---	1.24	2.97	---
MAX	5.19	4.86	3.19	2.15	9.65	3.28	6.26	2.01	---	3.42	2.97	3.04
MIN	2.06	0.70	0.77	0.14	0.93	0.47	0.27	0.44	---	0.43	0.62	1.96

07380126 HENDERSON BAYOU NEAR PORT VINCENT, LA

LOCATION.--Lat 30°17'50", long 90°53'02", in sec. 37, T. 9 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Henderson Bayou Road, 1.2 miles from the intersection of Hwy. 933 and Henderson Bayou Road.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Annual maximums, water years 1980-84. November 1997 to September 2001. October 2002 to September 2003.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 12.00 ft, June 10, 2001 (from highwater mark); minimum recorded elevation, -0.74 ft, Apr. 20, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.39 ft, Feb. 25; minimum elevation, -0.47 ft, on several days.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.55	3.77	-0.02	1.33	0.32	2.51	-0.42	1.15	-0.41	2.62	0.37	2.26
2	2.84	3.52	0.31	1.24	0.13	1.75	-0.16	1.05	-0.28	2.28	0.34	2.06
3	4.30	2.86	0.40	0.72	0.19	1.46	0.45	0.74	0.09	2.19	0.39	1.86
4	4.32	2.10	0.84	0.24	0.15	1.73	0.73	0.68	0.30	1.92	0.41	1.73
5	4.26	2.78	1.42	0.11	0.44	1.65	0.98	0.87	0.78	2.62	0.27	1.64
6	3.98	2.63	1.54	0.08	1.01	1.83	1.36	0.97	1.05	2.56	0.16	1.59
7	3.48	3.12	1.51	0.21	1.13	2.38	2.56	1.08	0.86	2.18	-0.11	1.63
8	2.88	3.82	0.80	-0.16	1.22	1.84	4.93	1.03	0.67	1.96	-0.02	1.76
9	2.59	3.59	0.57	-0.46	1.52	1.57	4.15	1.16	0.50	1.70	0.31	1.74
10	2.59	2.62	1.28	-0.19	1.50	1.14	4.89	1.19	0.26	1.35	0.54	1.66
11	2.28	1.75	0.89	0.10	0.70	1.03	5.11	0.80	0.34	1.00	0.64	1.70
12	2.02	1.76	0.97	0.48	0.59	1.04	3.57	0.66	0.28	1.10	---	1.84
13	1.82	1.28	1.12	0.53	0.46	1.39	1.35	0.80	0.48	1.11	0.99	1.98
14	1.64	0.92	0.42	0.33	0.65	1.70	0.63	0.81	0.52	1.35	1.03	1.76
15	1.57	1.03	0.16	0.19	1.46	2.09	0.45	0.59	0.70	1.61	1.24	1.56
16	1.34	0.72	0.20	0.21	1.89	2.40	0.66	0.54	0.74	1.52	1.38	1.54
17	1.28	0.10	0.26	-0.37	2.00	2.23	0.64	0.50	0.90	1.19	1.13	1.51
18	1.31	-0.10	0.60	-0.43	2.23	1.84	0.62	0.35	1.03	0.92	0.84	1.41
19	1.53	0.04	0.90	-0.47	2.19	1.97	0.94	0.43	1.43	0.63	0.65	1.37
20	1.27	0.31	0.54	-0.44	1.37	1.77	1.20	0.69	0.93	0.58	0.54	1.21
21	1.31	0.58	0.35	-0.38	3.26	1.34	1.04	0.94	0.87	0.20	0.87	1.35
22	1.45	0.43	0.38	-0.19	3.70	0.85	0.81	0.88	0.91	-0.19	1.12	1.55
23	1.46	0.42	2.00	-0.39	4.68	0.74	1.05	0.87	0.83	-0.27	1.36	1.50
24	1.46	0.44	3.65	-0.31	6.85	0.59	1.32	0.93	0.86	0.02	1.44	1.57
25	1.80	0.51	2.34	-0.29	8.23	0.58	1.18	0.68	1.16	0.49	1.49	1.66
26	1.88	0.55	1.99	-0.02	6.97	0.62	0.80	0.39	1.45	0.78	1.43	1.92
27	2.08	0.45	1.24	0.14	5.13	0.84	1.07	0.49	1.65	0.84	1.30	1.98
28	2.42	0.46	0.54	0.18	3.57	1.18	0.91	0.66	1.44	0.76	1.34	1.75
29	3.23	0.30	0.32	0.25	---	1.07	0.97	0.38	1.70	0.61	1.47	1.62
30	3.45	0.00	0.47	0.31	---	0.22	1.11	-0.10	2.51	0.57	1.86	1.76
31	3.68	---	1.65	0.41	---	-0.31	---	-0.32	---	0.51	2.18	---
MAX	4.32	3.82	3.65	1.33	8.23	2.51	5.11	1.19	2.51	2.62	---	2.26
MIN	1.27	-0.10	-0.02	-0.47	0.13	-0.31	-0.42	-0.32	-0.41	-0.27	---	1.21

07380200 AMITE RIVER AT FRENCH SETTLEMENT, LA

LOCATION.--Lat 30°16'31", long 90°46'45", in sec. 11, T. 9 S., R. 4 E., Livingston Parish, Hydrologic Unit 08070202, at bridge on State Highway 16, 2.0 mi south of French Settlement High School.

DRAINAGE AREA.--About 1,750 mi².

PERIOD OF RECORD.--Annual maximums, water years 1995-96; October 1997 to current year (elevations only). Previous stage data was collected at a nearby site (Station number 8522509) by the U.S. Army Corps of Engineers, New Orleans District, from 1949 to 1992.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 6.89 ft, June 11, 2001; minimum recorded gage height, -0.89 ft, Dec. 31, 1997 and Jan. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.40 ft, Oct. 4; minimum gage height, -0.54 ft, Jan. 20.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.35	2.75	0.29	1.32	0.60	2.22	-0.29	1.42	-0.18	---	0.64	2.58
2	2.96	2.69	0.63	1.17	0.42	1.76	0.08	1.31	0.03	---	0.61	2.38
3	3.70	2.51	0.72	0.62	0.44	1.61	0.69	1.00	0.41	2.36	0.67	2.18
4	4.34	2.28	1.00	0.35	0.44	1.94	0.98	0.97	0.61	2.17	0.69	2.06
5	4.16	2.39	1.17	0.33	0.90	1.91	1.21	1.13	1.10	2.20	0.55	1.96
6	3.82	2.34	1.22	0.34	1.32	1.59	1.53	1.20	1.38	2.41	0.44	1.92
7	3.41	2.30	1.23	0.50	1.25	1.77	1.82	1.33	1.19	---	0.16	1.95
8	2.95	2.44	0.87	0.10	1.04	1.83	2.69	---	1.01	---	0.26	2.09
9	2.63	2.41	0.68	-0.20	1.29	1.71	3.01	---	0.83	---	0.60	2.07
10	2.66	2.13	---	0.11	1.35	1.30	3.15	1.57	0.60	1.58	0.82	1.98
11	2.51	1.79	1.14	0.42	0.87	1.23	3.10	0.93	0.67	1.30	0.93	2.02
12	2.28	1.88	1.24	0.80	0.84	1.27	2.34	0.98	0.61	1.37	1.09	2.17
13	2.08	1.44	1.43	0.86	0.71	1.45	1.16	1.11	0.81	1.39	1.34	2.27
14	1.93	1.18	0.61	0.66	0.94	---	0.76	1.13	0.85	1.64	1.34	2.05
15	1.87	1.32	0.36	0.51	1.14	1.70	0.62	0.88	1.03	1.91	1.54	1.88
16	1.64	0.98	0.46	0.54	1.60	---	0.89	0.87	1.08	1.82	1.70	1.86
17	1.60	0.35	0.56	-0.11	1.44	1.99	0.87	0.83	1.22	1.47	1.45	1.83
18	1.63	0.17	0.92	-0.18	1.47	1.87	0.84	0.67	1.36	1.18	1.15	1.74
19	1.85	0.32	1.23	-0.35	1.50	2.03	1.19	0.74	1.32	0.91	0.96	1.70
20	1.58	0.55	0.86	-0.23	1.26	1.85	1.46	1.00	1.22	0.81	0.86	1.53
21	1.65	0.85	0.66	-0.10	1.65	1.37	1.29	1.19	1.15	0.46	1.19	1.67
22	1.73	0.72	0.70	0.12	2.61	0.97	1.06	1.18	1.16	0.06	1.44	1.87
23	1.79	0.73	1.07	-0.13	2.97	0.93	1.29	1.18	1.10	-0.05	1.68	1.82
24	1.87	0.75	2.01	-0.02	3.48	0.80	1.58	1.25	1.17	0.30	1.76	1.89
25	1.95	0.83	1.79	0.02	4.12	0.80	1.44	1.00	1.44	0.75	1.81	1.99
26	2.07	0.88	1.41	0.28	4.16	0.84	1.06	0.70	1.77	1.04	1.76	2.24
27	2.13	0.77	1.09	0.44	---	1.07	1.33	0.80	1.73	1.10	1.62	2.31
28	2.32	0.78	0.67	0.49	2.78	1.42	1.16	0.96	1.68	1.04	1.66	2.07
29	2.51	0.62	0.55	0.58	---	1.30	1.23	0.69	2.02	0.88	1.80	1.94
30	2.67	0.31	0.75	0.65	---	0.41	1.37	0.21	2.57	0.85	2.18	2.07
31	2.71	---	1.45	0.60	---	-0.09	---	-0.06	---	0.78	2.52	---
MAX	4.34	2.75	---	1.32	---	---	3.15	---	2.57	---	2.52	2.58
MIN	1.58	0.17	---	-0.35	---	---	-0.29	---	-0.18	---	0.16	1.53

07380215 AMITE RIVER AT STATE HIGHWAY 22 NEAR MAUREPAS, LA

LOCATION.--Lat 30°18'33", long 90°36'37", in sec. 46, T. 9 S., R. 4 E., Livingston Parish, Killian Quadrangle, Hydrologic Unit 08070202, at bridge on State Highway 22, approximately 2.0 mi south of Maurepas near Clio.

DRAINAGE AREA.--About 1,775 mi².

PERIOD OF RECORD.--July 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.899 ft below NAVD 88.

REMARKS.--Stage affected by wind and tide. Satellite telemetry, rain gage, wind speed and wind direction at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.40 ft, Sept. 26, 2002; minimum, -0.12 ft, Dec. 20, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.04 ft, Oct. 4; minimum gage height, 0.09 ft, Jan. 20.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.31	2.63	0.89	1.64	1.09	2.24	0.37	2.06	0.42	3.34	1.22	3.19
2	3.33	2.65	1.26	1.46	0.98	2.05	0.77	1.94	0.64	2.97	1.20	2.93
3	4.51	2.76	1.34	0.74	1.10	2.12	1.38	1.65	1.00	2.73	1.26	2.72
4	4.84	2.72	1.56	0.73	1.03	2.59	1.67	1.63	1.19	2.57	1.28	2.59
5	4.29	2.81	1.39	0.85	1.32	2.42	1.88	1.83	1.68	2.52	1.13	2.49
6	3.74	2.33	1.34	0.88	1.92	2.08	2.17	1.92	1.99	2.56	1.04	2.47
7	3.25	2.04	1.43	1.07	1.64	2.18	2.38	2.02	1.77	2.54	0.73	2.52
8	2.98	1.99	1.31	0.64	1.25	2.26	2.83	1.97	1.60	2.60	0.83	2.68
9	2.95	2.14	1.40	0.40	1.55	2.20	2.67	2.10	1.42	2.44	1.17	2.64
10	3.10	2.20	1.77	0.69	1.63	1.85	2.13	2.14	1.20	2.15	1.39	2.54
11	2.93	2.27	1.72	1.00	1.34	1.83	1.66	1.71	1.27	1.84	1.50	2.60
12	2.71	2.22	1.83	1.38	1.38	1.90	1.42	1.56	1.21	1.91	1.65	2.78
13	2.52	1.82	1.98	1.44	1.29	2.02	1.30	1.69	1.41	1.94	1.89	2.83
14	2.44	1.74	1.12	1.26	1.53	1.92	1.26	1.73	1.46	2.23	1.90	2.53
15	2.41	1.92	0.86	1.11	1.66	1.89	1.22	1.51	1.62	2.51	2.10	2.40
16	2.18	1.50	1.02	1.11	1.80	2.14	1.57	1.47	1.65	2.37	2.27	2.39
17	2.19	0.89	1.16	0.44	1.31	2.48	1.52	1.47	1.80	2.00	2.03	2.37
18	2.25	0.74	1.55	0.43	1.31	2.50	1.49	1.25	1.94	1.73	1.73	2.31
19	2.47	0.92	1.88	0.25	1.45	2.63	1.86	1.33	1.88	1.46	1.54	2.26
20	2.19	1.15	1.47	0.38	1.53	2.35	2.12	1.60	1.76	1.36	1.46	2.10
21	2.28	1.44	1.28	0.52	2.25	1.82	1.93	1.84	1.69	1.02	1.77	2.26
22	2.35	1.30	1.31	0.71	2.54	1.53	1.71	1.74	1.71	0.63	2.04	2.43
23	2.41	1.33	1.61	0.34	2.10	1.55	1.94	1.75	1.70	0.49	2.29	2.38
24	2.49	1.37	2.16	0.55	2.13	1.44	2.25	1.83	1.77	0.86	2.36	2.47
25	2.59	1.45	1.52	0.61	2.17	1.45	2.06	1.59	2.11	1.32	2.40	2.58
26	2.62	1.50	1.22	0.86	2.34	1.47	1.68	1.29	2.39	1.59	2.33	2.86
27	2.64	1.36	1.28	1.02	2.41	1.74	1.94	1.38	2.25	1.66	2.20	2.88
28	2.68	1.38	1.08	1.09	2.31	2.09	1.79	1.53	2.26	1.61	2.25	2.56
29	2.65	1.25	1.06	1.19	---	1.83	1.86	1.28	2.63	1.45	2.41	2.43
30	2.58	0.91	1.34	1.22	---	1.04	2.01	0.81	3.14	1.44	2.85	2.60
31	2.51	---	1.93	1.28	---	0.57	---	0.55	---	1.37	3.22	---
MAX	4.84	2.81	2.16	1.64	2.54	2.63	2.83	2.14	3.14	3.34	3.22	3.19
MIN	2.18	0.74	0.86	0.25	0.98	0.57	0.37	0.55	0.42	0.49	0.73	2.10

073802220 PANAMA CANAL AT STATE HIGHWAY 44 NEAR GONZALES, LA

LOCATION.--Lat 30°10'14", long 90°55'07", in sec. 12, T. 10 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, located on downstream side of bridge on State Highway 44, 1.0 mi east of Interstate 10 near Gonzales.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--December 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Stage affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.19 ft (from reference gage), Apr. 8, 2003; minimum, -1.00 ft, Dec. 31, 1997, Jan. 1, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.19 ft (from reference gage), Apr. 8; minimum elevation, -0.96 ft, Jan. 20.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.23	2.09	-0.09	2.04	0.08	1.84	-0.70	1.02	-0.64	2.94	0.33	1.69
2	3.07	1.97	0.21	1.27	-0.08	1.70	-0.36	0.96	-0.44	2.16	0.22	1.76
3	5.58	1.90	0.29	0.60	0.01	1.54	0.26	0.67	-0.03	2.06	0.21	1.71
4	4.74	2.15	0.54	0.04	0.03	1.55	0.57	0.56	0.19	2.09	0.23	1.62
5	3.71	4.23	1.72	-0.03	0.27	1.58	0.79	0.71	0.59	3.01	0.12	1.56
6	3.59	4.02	0.84	-0.02	0.84	1.58	1.04	0.82	0.91	3.49	0.01	1.50
7	3.46	2.45	0.55	0.10	0.97	2.88	2.99	0.92	0.79	2.28	-0.24	1.48
8	3.30	2.08	0.39	-0.17	0.37	1.69	7.72	0.89	0.58	1.98	-0.22	1.52
9	3.80	1.91	0.37	-0.63	0.52	1.46	7.10	0.99	0.41	1.81	0.12	1.56
10	4.97	1.80	1.60	-0.33	0.72	1.25	4.42	1.03	0.14	1.67	0.37	1.52
11	3.54	5.06	1.28	-0.04	0.38	1.04	2.98	0.77	0.31	1.47	0.48	1.53
12	3.09	5.25	0.93	0.37	0.38	0.99	2.49	0.54	0.91	1.28	0.59	1.62
13	2.80	2.95	1.65	0.45	0.27	1.11	2.14	0.67	0.64	1.16	0.81	1.71
14	2.57	2.24	0.79	0.26	0.51	1.15	1.81	0.71	0.43	1.19	0.86	1.68
15	2.39	1.99	0.05	0.09	1.34	1.04	1.48	0.49	0.58	1.33	1.02	1.57
16	2.23	1.86	0.01	0.12	2.69	1.14	1.20	0.41	0.94	1.36	1.17	1.50
17	2.07	1.43	0.12	-0.46	1.17	1.45	0.99	0.39	0.88	1.41	1.00	1.45
18	1.91	0.94	0.43	-0.65	0.61	1.44	0.71	0.23	0.94	1.23	0.77	1.36
19	1.79	0.64	0.76	-0.78	0.58	1.84	0.87	0.29	0.88	0.64	0.54	1.33
20	1.68	1.72	0.57	-0.73	0.58	1.52	1.10	0.54	0.82	0.42	0.41	1.19
21	1.56	2.85	0.25	-0.60	3.54	1.24	1.04	0.79	0.68	0.18	0.69	1.22
22	1.51	1.45	0.28	-0.35	4.93	0.75	0.79	0.80	0.69	-0.28	0.94	1.42
23	1.48	0.91	1.92	-0.47	2.54	0.64	0.89	0.74	0.68	-0.29	1.13	1.40
24	1.50	0.67	5.93	-0.49	2.00	0.48	1.15	0.79	0.71	0.98	1.21	1.41
25	1.54	0.60	3.42	-0.43	2.10	0.46	1.10	0.63	0.94	0.43	1.26	1.45
26	1.86	0.59	2.12	-0.17	2.11	0.52	0.78	0.25	1.29	0.64	1.26	1.55
27	2.10	0.49	1.61	0.00	2.24	0.68	0.91	0.36	1.37	0.73	1.18	1.67
28	2.71	0.42	1.13	0.04	1.96	1.00	0.84	0.53	1.27	0.65	1.17	1.67
29	4.09	0.29	0.68	0.12	---	0.97	0.84	0.31	1.35	0.50	1.24	1.56
30	3.40	0.02	0.56	0.21	---	0.29	0.96	-0.20	2.48	0.42	1.39	1.57
31	2.37	---	2.74	0.24	---	-0.47	---	-0.51	---	0.39	1.56	---
MAX	5.58	5.25	5.93	2.04	4.93	2.88	7.72	1.03	2.48	3.49	1.56	1.76
MIN	1.48	0.02	-0.09	-0.78	-0.08	-0.47	-0.70	-0.51	-0.64	-0.29	-0.24	1.19

073802225 BAYOU CONWAY NEAR SORRENTO, LA

LOCATION.--Lat 30°10'23", long 90°50'40", in sec. 25, T. 10 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, located at the Sorrento Pumping Station at levee at end of Conway Road.

DRAINAGE AREA.--Approximately 55.0 mi².

PERIOD OF RECORD.--July 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR THE PERIOD OF RECORD.--Inside: Maximum elevation, 3.08 ft, Mar. 4, 2001; minimum, -0.65 ft, Apr. 18, 1999. Outside: Maximum elevation, 4.30 ft, June 11, 2001; minimum, 0.15 ft, Jan. 12, 2002.

EXTREMES FOR CURRENT YEAR.--INSIDE: Maximum elevation, 2.79 ft, Dec. 24; minimum elevation, -0.64 ft, on several days.

OUTSIDE: Maximum elevation, 3.78 ft, Oct. 3, 4; minimum recorded elevation, 0.15 ft, on many days.

ELEVATION, INSIDE, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.31	1.67	-0.05	1.72	0.10	1.94	-0.60	1.03	-0.56	1.68	0.32	1.72
2	0.28	1.68	0.27	1.19	---	1.94	-0.36	0.97	-0.43	1.49	0.25	1.79
3	0.53	1.69	0.36	0.49	---	1.91	0.26	0.68	-0.03	1.54	0.23	1.73
4	0.80	2.05	0.58	-0.02	0.01	1.90	0.58	0.56	0.19	1.62	0.25	1.65
5	1.18	1.73	1.16	-0.03	0.28	1.89	0.80	0.71	0.59	1.69	0.14	1.59
6	1.42	1.75	0.78	0.01	0.85	1.47	1.05	0.82	0.93	1.75	0.04	1.52
7	1.46	1.79	0.58	0.14	0.93	1.69	1.46	0.92	0.81	1.87	-0.19	1.51
8	1.48	1.79	0.43	-0.22	0.37	1.76	1.81	0.89	0.60	1.89	-0.20	1.55
9	1.28	1.81	0.43	-0.54	0.53	1.78	1.40	0.99	0.43	1.88	0.15	1.59
10	1.59	1.82	1.04	-0.14	0.73	1.77	1.61	1.03	0.16	1.86	0.39	1.55
11	1.47	1.85	1.14	0.48	0.38	1.50	1.66	0.78	0.26	1.84	0.50	1.55
12	1.55	2.18	0.91	0.57	0.39	0.98	1.66	0.54	0.47	1.80	0.62	1.64
13	1.58	1.83	1.36	0.53	0.27	1.11	1.66	0.68	0.50	1.75	0.84	1.73
14	1.54	1.67	0.75	0.41	0.52	1.12	1.65	0.73	0.45	1.71	0.89	1.71
15	1.53	1.70	0.08	---	0.83	1.03	1.55	0.50	0.60	1.68	1.04	1.59
16	1.54	1.74	0.14	---	1.83	1.15	1.12	0.43	0.85	1.64	1.20	1.52
17	1.54	1.73	0.18	---	1.14	1.38	0.92	0.41	0.86	1.62	1.03	1.48
18	1.54	1.21	0.48	-0.50	0.58	1.43	0.66	0.24	0.96	1.62	0.80	1.39
19	1.55	0.59	0.81	-0.62	0.57	1.63	0.85	0.29	0.90	1.59	0.57	1.35
20	1.55	0.86	0.61	---	0.58	1.51	1.09	0.55	0.84	1.57	0.44	1.22
21	1.55	1.77	0.29	---	1.17	1.24	1.04	0.80	0.70	0.82	0.72	1.24
22	1.56	1.33	0.34	---	1.43	0.75	0.78	0.81	0.72	-0.27	0.96	1.42
23	1.57	0.86	0.84	---	1.55	0.64	0.88	0.75	0.72	-0.32	1.15	1.42
24	1.59	0.66	2.00	---	1.59	0.48	1.16	0.80	---	0.21	1.24	1.43
25	1.62	0.62	1.80	-0.35	1.68	0.46	1.11	0.66	0.99	0.41	1.29	1.47
26	1.82	0.63	1.83	---	1.79	0.52	0.78	0.26	1.18	0.66	1.29	1.57
27	1.88	0.53	1.84	0.07	1.90	0.69	0.92	0.37	---	0.75	1.21	1.69
28	2.12	0.47	1.81	---	1.93	1.01	0.85	0.55	---	0.67	1.20	1.69
29	1.62	0.34	1.78	---	---	0.99	0.84	0.34	---	0.52	1.27	1.59
30	1.58	0.06	1.52	---	---	0.28	0.96	-0.15	1.56	0.43	1.41	1.59
31	1.65	---	1.56	0.32	---	-0.45	---	-0.44	---	0.41	1.58	---
MAX	2.12	2.18	2.00	---	---	1.94	1.81	1.03	---	1.89	1.58	1.79
MIN	0.28	0.06	-0.05	---	---	-0.45	-0.60	-0.44	---	-0.32	-0.20	1.22

ELEVATION, OUTSIDE, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

[illegible]

0738022295 GRAND GOUDINE BAYOU AT STATE HIGHWAY 934 NEAR GONZALES, LA

LOCATION.--Lat 30°15'43", long 90°57'48", in sec. 13, T. 9 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Babin Road (Hwy. 934), 1.3 mi northwest of WSLG radio towers.

DRAINAGE AREA.--Approximately 5.9 mi².

PERIOD OF RECORD.--January 1998 to current year.

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 10.42 ft, June 7, 2001; minimum recorded elevation, 2.21 ft, Mar. 7, 8, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 10.00 ft, Apr. 8; minimum elevation, 2.84 ft, July 19.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.12	3.20	2.96	3.79	3.06	3.17	2.94	2.93	2.87	3.57	3.00	3.00
2	3.15	3.10	2.96	3.29	3.04	3.11	2.95	2.93	2.88	3.13	3.05	3.05
3	6.56	3.05	2.98	3.17	3.04	3.09	2.96	2.94	2.95	3.19	2.92	3.09
4	5.59	3.46	3.23	3.14	3.03	3.13	2.95	2.94	2.98	3.35	2.89	3.08
5	4.11	5.15	3.80	3.10	3.05	3.11	2.98	2.94	2.95	3.71	2.87	3.44
6	3.86	4.64	3.30	3.07	3.10	3.88	3.06	2.94	2.92	3.77	2.87	3.23
7	3.23	3.40	3.16	3.03	3.21	6.35	5.03	2.94	2.92	3.22	2.87	3.10
8	3.24	3.20	3.12	3.03	3.13	3.96	9.43	2.94	2.90	3.07	2.88	3.00
9	4.61	3.13	3.04	3.06	3.09	3.34	8.91	2.94	2.89	3.05	2.89	2.94
10	5.94	3.13	3.94	3.05	3.14	3.20	7.04	2.95	2.88	2.96	2.88	2.94
11	3.88	3.81	3.56	3.10	3.16	3.15	4.05	2.93	2.92	2.90	2.88	2.92
12	3.30	3.49	3.35	3.06	3.07	3.13	3.33	2.92	2.97	2.92	2.90	2.96
13	3.14	3.20	3.54	3.03	3.04	3.83	3.20	2.92	2.96	2.94	2.93	3.28
14	3.05	3.08	3.28	3.01	3.04	3.71	3.12	2.93	2.92	2.91	2.92	3.12
15	3.00	3.04	3.18	3.01	3.94	3.25	3.08	2.93	3.08	2.88	2.91	2.98
16	2.99	3.09	3.10	3.00	4.23	3.15	3.05	2.93	3.19	2.87	2.91	2.94
17	2.98	3.02	3.07	2.99	3.32	3.19	3.02	2.93	3.11	2.88	2.91	2.92
18	2.99	2.97	3.06	3.02	3.16	3.19	3.03	2.92	2.98	2.87	2.91	2.91
19	2.96	2.96	3.04	3.03	3.12	3.41	2.99	2.92	2.96	2.98	2.91	2.91
20	2.94	3.24	3.01	3.02	3.10	3.20	2.96	2.92	3.00	3.09	2.92	2.91
21	2.91	3.35	3.01	3.02	5.97	3.12	2.95	2.93	2.96	2.91	3.04	2.93
22	2.94	3.15	2.98	3.01	7.12	3.07	2.96	2.92	2.91	2.87	3.06	3.09
23	2.95	3.06	4.77	3.00	4.47	3.03	2.96	2.92	2.88	2.91	3.02	3.04
24	2.92	3.01	8.37	3.01	3.33	3.00	2.96	2.90	2.88	2.96	2.96	2.99
25	3.39	2.97	6.50	3.01	3.33	2.99	2.96	2.89	2.88	3.20	2.93	2.95
26	3.99	2.99	3.82	3.06	3.39	2.97	2.94	2.89	2.89	3.17	2.92	2.96
27	3.63	2.95	3.34	3.09	3.48	3.01	2.94	2.90	3.20	3.04	2.91	3.08
28	3.91	2.93	3.24	3.06	3.25	2.97	2.94	2.91	3.15	2.95	2.90	3.06
29	5.81	2.93	3.17	3.04	---	2.94	2.94	2.91	2.98	2.94	2.90	3.02
30	5.07	2.96	3.18	3.23	---	2.93	2.94	2.90	3.71	---	2.92	2.99
31	3.48	---	5.08	3.11	---	2.94	---	2.89	---	2.91	2.98	---
MAX	6.56	5.15	8.37	3.79	7.12	6.35	9.43	2.95	3.71	---	3.06	3.44
MIN	2.91	2.93	2.96	2.99	3.03	2.93	2.94	2.89	2.87	---	2.87	2.91

0738022395 BLACK BAYOU AT STATE HIGHWAY 621 NEAR PRAIRIEVILLE, LA

LOCATION.--Lat 30°16'10", long 90°55'01", in sec. 3, T. 9 S., R. 3 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on State Highway 621, 1.7 mi from the intersection of State Highway 61 and State Highway 44 in Gonzales.

DRAINAGE AREA.--Not determined.

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Lowest recordable stage for the period Oct. 1, 2000 to July 18, 2001, is 0.61 ft. Stage affected by wind and tide. Rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 9.40 ft, June 6, 2001; minimum elevation, -0.47 ft, Jan. 19, 20, 21, 24, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.73 ft, Dec. 23; minimum elevation, -0.47 ft, Jan. 19, 20, 21, 24.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.15	2.01	-0.02	1.21	0.14	1.81	-0.40	1.13	-0.38	2.20	0.31	1.84
2	1.55	2.01	0.33	0.61	0.01	1.49	-0.21	1.04	-0.29	2.15	0.25	1.99
3	5.95	1.99	0.44	-0.07	0.13	1.34	0.40	0.72	0.08	2.04	0.30	1.86
4	3.74	2.18	1.02	-0.18	0.07	1.62	0.68	0.66	0.29	1.93	0.33	1.76
5	1.81	4.04	1.61	-0.12	0.40	1.61	0.92	0.85	0.77	3.06	0.19	1.68
6	2.18	2.87	0.56	-0.04	1.01	2.46	1.22	0.95	1.04	2.45	0.07	1.60
7	2.26	1.86	0.59	0.16	0.90	3.85	3.80	1.06	0.86	1.99	-0.15	1.61
8	2.22	1.65	0.42	-0.26	0.39	1.63	7.33	1.01	0.66	1.82	-0.08	1.71
9	2.81	1.61	0.49	-0.44	0.66	1.40	4.57	1.15	0.50	1.68	0.24	1.72
10	3.41	1.53	1.82	-0.24	0.77	1.03	2.47	1.18	0.24	1.42	0.48	1.65
11	2.53	2.42	0.91	0.08	0.43	0.95	2.19	0.80	0.33	1.02	0.58	1.68
12	2.23	1.97	1.02	0.48	0.45	1.02	1.85	0.65	0.33	1.04	0.72	1.80
13	1.99	1.27	1.30	0.53	0.36	1.80	1.03	0.79	0.48	1.05	0.95	1.90
14	1.77	0.90	0.28	0.31	0.61	1.29	0.48	0.80	0.51	1.28	1.00	1.76
15	1.68	1.03	-0.09	0.18	2.24	1.08	0.33	0.57	0.70	1.53	1.21	1.58
16	1.44	0.73	0.08	0.17	2.26	1.25	0.58	0.52	0.77	1.48	1.34	1.55
17	1.34	0.01	0.23	-0.38	0.67	1.51	0.56	0.47	0.89	1.17	1.10	1.52
18	1.36	-0.19	0.62	-0.44	0.54	1.64	0.56	0.31	1.02	0.82	0.83	1.40
19	1.55	-0.01	0.92	-0.47	0.63	1.96	0.91	0.45	2.08	0.55	0.62	1.38
20	1.30	0.76	0.55	-0.45	0.65	1.53	1.17	0.17	1.15	0.65	0.49	1.22
21	1.33	0.69	0.35	-0.42	5.06	1.04	1.00	-0.04	0.78	0.08	0.83	1.32
22	1.48	0.43	0.39	-0.24	3.99	0.62	0.78	-0.18	0.80	-0.24	1.09	1.53
23	1.49	0.44	2.88	-0.42	1.99	0.61	1.02	0.38	0.78	-0.25	1.30	1.48
24	1.51	0.46	6.20	-0.34	1.81	0.49	1.29	0.92	0.83	-0.05	1.40	1.54
25	2.17	0.53	3.21	-0.32	1.94	0.50	1.14	0.67	1.12	0.42	1.45	1.61
26	2.18	0.57	1.22	-0.01	2.01	0.55	0.77	0.35	1.47	0.73	1.41	1.81
27	2.40	0.47	0.61	0.12	2.15	0.78	1.04	0.47	2.30	0.77	1.29	1.92
28	2.20	0.48	0.28	0.16	2.03	1.13	0.89	0.64	1.50	0.69	1.31	1.77
29	4.37	0.31	0.21	0.23	---	0.99	0.95	0.35	1.60	0.52	1.43	1.64
30	2.83	-0.02	0.49	0.43	---	-0.04	1.09	-0.14	2.66	0.49	1.71	1.72
31	2.07	---	3.14	0.34	---	-0.36	---	-0.30	---	0.43	1.78	---
MAX	5.95	4.04	6.20	1.21	5.06	3.85	7.33	1.18	2.66	3.06	1.78	1.99
MIN	1.30	-0.19	-0.09	-0.47	0.01	-0.36	-0.40	-0.30	-0.38	-0.25	-0.15	1.22

073802245 BLACK BAYOU EAST OF GONZALES, LA

LOCATION.--Lat 30°14'25", long 90°52'38", in sec. 26, T. 9 S., R. 3 E. Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on State Highway 431, approximately 0.2 mi from intersection of Hwy. 431 and Churchpoint Road and approximately 3.0 mi north of Hwy. 61 in Gonzales.

DRAINAGE AREA.--Less than 18.30 sq. mi.

PERIOD OF RECORD.--May 1997 to August 1999; November 1999 to current year.

REVISED RECORDS.--WDR-LA-1998: 1997: Extremes for Period of Record.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88. Prior to October 1997 datum of gage was 0.65 ft NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.46 ft, June 8, 2001; minimum, -1.68 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.22 ft, Apr. 8; minimum elevation, -0.92 ft, Jan. 20.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.18	2.05	0.03	1.12	0.13	1.81	-0.65	1.13	-0.51	2.11	0.33	1.86
2	1.55	2.06	0.37	0.64	-0.01	1.49	-0.23	1.04	-0.30	2.16	0.28	2.01
3	3.09	2.04	0.47	-0.07	0.12	1.34	0.40	0.73	0.05	2.06	0.33	1.87
4	2.95	2.19	0.79	-0.20	0.09	1.61	0.68	0.65	0.31	1.93	0.36	1.78
5	1.77	2.88	1.09	-0.10	0.40	1.59	0.92	0.84	0.78	2.39	0.22	1.70
6	2.21	2.66	0.60	-0.02	0.98	1.57	1.20	0.95	1.06	2.08	0.10	1.63
7	2.30	1.90	0.63	0.17	0.88	2.72	2.31	1.06	0.88	2.00	-0.18	1.63
8	2.24	1.69	0.46	-0.30	0.38	1.60	4.89	1.01	0.69	1.83	-0.06	1.73
9	2.08	1.64	0.53	-0.61	0.64	1.39	4.07	1.15	0.52	1.70	0.28	1.74
10	---	1.56	1.17	-0.22	0.75	1.02	2.40	1.18	0.26	1.44	0.51	1.67
11	---	2.12	0.92	0.09	0.40	0.94	2.20	0.81	0.35	1.05	0.61	1.70
12	2.29	1.95	0.99	0.49	0.43	0.98	1.85	0.67	0.34	1.06	0.75	1.81
13	2.05	1.31	1.20	0.54	0.34	1.35	1.03	0.80	0.49	1.07	0.98	1.91
14	1.82	0.94	0.29	0.33	0.59	1.18	0.48	0.81	0.53	1.30	1.03	1.78
15	1.70	1.08	-0.06	0.19	1.21	1.08	0.33	0.58	0.71	1.54	1.24	1.61
16	1.49	0.78	0.11	0.20	1.82	1.28	0.57	0.52	0.77	1.50	1.37	1.57
17	1.39	0.05	0.25	-0.44	0.65	1.52	0.57	0.48	0.91	1.19	1.13	1.53
18	1.40	-0.15	0.63	-0.54	0.52	1.59	0.55	0.33	1.04	0.85	0.85	1.43
19	1.59	0.03	0.94	-0.71	0.62	1.79	0.90	0.46	1.26	0.58	0.64	1.40
20	1.34	0.44	0.57	-0.61	0.65	1.52	1.17	0.18	0.97	0.56	0.52	1.24
21	1.40	0.64	0.36	-0.49	2.26	1.04	1.01	-0.01	0.80	0.10	0.85	1.34
22	1.48	0.48	0.40	-0.24	3.07	0.62	0.78	-0.15	0.82	-0.30	1.11	1.55
23	1.52	0.48	1.38	-0.43	1.96	0.61	1.02	0.41	0.80	-0.42	1.32	1.51
24	1.61	0.50	4.22	-0.35	1.80	0.49	1.29	0.93	0.85	-0.02	1.41	1.56
25	1.71	0.58	2.82	-0.32	1.92	0.50	1.15	0.69	1.14	0.44	1.46	1.64
26	1.93	0.62	1.16	-0.05	1.95	0.56	0.79	0.38	1.48	0.74	1.42	1.83
27	1.96	0.53	0.58	0.10	2.11	0.78	1.05	0.49	1.84	0.79	1.30	1.94
28	2.07	0.53	0.23	0.15	2.02	1.13	0.90	0.66	1.48	0.72	1.33	1.80
29	2.93	0.36	0.16	0.22	---	1.01	0.95	0.38	1.61	0.55	1.44	1.66
30	2.63	0.02	0.44	0.31	---	0.15	1.09	-0.13	1.65	0.52	1.71	1.75
31	2.11	---	1.88	0.33	---	-0.44	---	-0.41	---	0.46	1.78	---
MAX	---	2.88	4.22	1.12	3.07	2.72	4.89	1.18	1.84	2.39	1.78	2.01
MIN	---	-0.15	-0.06	-0.71	-0.01	-0.44	-0.65	-0.41	-0.51	-0.42	-0.18	1.24

073802273 BAYOU FRANCOIS AT HIGHWAY 61 NEAR GONZALES, LA

LOCATION.--Lat 30°13'38", long 90°53'58", in sec. 27, T. 9 S., R. 33 E. Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge on Highway 61, 1.7 mi from the intersection of Highway 61 and Highway 44 in Gonzales.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.72 ft, Sept. 12, 1998; minimum gage height, -1.71 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.52 ft, Apr. 8; minimum gage height, -1.54 ft, May 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.02	1.89	-0.12	0.91	-0.03	1.67	-0.77	1.01	-0.63	1.94	0.21	1.74
2	1.29	1.90	0.21	0.47	-0.15	1.35	-0.35	0.92	-0.42	2.04	0.15	1.88
3	1.78	1.88	0.31	-0.24	-0.03	1.21	0.28	0.61	-0.07	1.93	0.20	1.74
4	1.30	2.07	0.56	-0.35	-0.06	1.49	0.56	0.53	0.19	1.80	0.23	1.64
5	1.53	2.39	0.70	-0.26	0.26	1.47	0.80	0.73	0.68	2.09	0.09	1.57
6	2.05	2.17	0.43	-0.18	0.82	1.35	1.08	0.83	0.94	1.29	-0.03	1.50
7	2.14	1.70	0.47	0.02	0.71	2.04	2.08	0.94	0.76	1.87	-0.32	1.51
8	2.04	1.52	0.30	-0.46	0.22	1.47	3.92	0.89	0.57	1.71	-0.20	1.61
9	2.04	1.48	0.38	-0.76	0.49	1.25	3.42	1.03	0.40	1.57	0.14	1.61
10	2.59	1.39	0.90	-0.37	0.59	0.88	2.35	1.06	0.15	1.31	0.37	1.54
11	2.38	1.84	0.76	-0.05	0.25	0.81	2.09	0.68	0.23	0.92	0.47	1.57
12	2.09	1.77	0.83	0.34	0.29	0.85	1.72	0.55	0.20	0.94	0.61	1.69
13	1.86	1.14	0.98	0.38	0.22	1.07	0.90	0.69	0.38	0.95	0.84	1.79
14	1.65	0.78	0.13	0.17	0.45	1.01	0.36	0.69	0.41	1.19	0.89	1.66
15	1.57	0.91	-0.21	0.03	0.88	0.94	0.22	0.46	0.60	1.42	1.11	1.49
16	1.32	0.60	-0.05	0.03	1.28	1.15	0.46	0.41	0.66	1.37	1.23	1.45
17	1.23	-0.12	0.10	-0.61	0.48	1.39	0.45	0.36	0.80	1.06	0.99	1.42
18	1.24	-0.31	0.48	-0.70	0.39	1.46	0.44	0.21	0.92	0.72	0.71	1.32
19	1.43	-0.13	0.78	-0.86	0.48	1.60	0.79	0.15	0.92	0.45	0.51	1.29
20	1.18	0.20	0.40	-0.75	0.51	1.39	1.05	-0.70	0.79	0.37	0.39	1.13
21	1.24	0.46	0.20	-0.65	1.72	0.91	0.89	-0.71	0.68	-0.03	0.73	1.23
22	1.33	0.31	0.25	-0.39	2.26	0.50	0.66	-0.61	0.70	-0.43	0.98	1.43
23	1.37	0.32	1.27	-0.59	1.83	0.49	0.91	0.74	0.68	-0.54	1.20	1.40
24	1.45	0.35	2.77	-0.50	1.67	0.37	1.17	0.82	0.73	-0.15	1.28	1.45
25	1.53	0.42	2.20	-0.48	1.79	0.38	1.02	0.57	1.03	0.33	1.33	1.53
26	1.69	0.46	0.94	-0.21	1.81	0.43	0.66	0.26	1.33	0.61	1.29	1.72
27	1.71	0.37	0.41	-0.04	1.97	0.66	0.93	0.38	1.38	0.67	1.17	1.83
28	1.86	0.37	0.07	0.00	1.88	1.00	0.78	0.54	1.31	0.59	1.20	1.68
29	2.41	0.19	0.01	0.07	---	0.88	0.84	0.26	1.49	0.42	1.32	1.55
30	2.23	-0.14	0.30	0.14	---	0.02	0.97	-0.26	0.93	0.39	1.59	1.64
31	1.94	---	1.37	0.17	---	-0.56	---	-0.54	---	0.33	1.66	---
MAX	2.59	2.39	2.77	0.91	2.26	2.04	3.92	1.06	1.49	2.09	1.66	1.88
MIN	1.18	-0.31	-0.21	-0.86	-0.15	-0.56	-0.77	-0.71	-0.63	-0.54	-0.32	1.13

073802282 NEW RIVER CANAL NEAR SORRENTO, LA

LOCATION.--Lat 30°11'21", long 90°47'10", in sec. 10, T. 10 S., R. 4 E. Ascension Parish, Hydrologic Unit 08070204, located on the inside and outside of pumping station, on gravel road to the Sorrento Gas & Oil Field, 3.6 miles south of Sorrento and 3.4 miles from Hwy. 61.

DRAINAGE AREA.--93.86 sq. mi.

PERIOD OF RECORD.--April 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Inside: Maximum elevation, 4.67 ft, Sept. 13, 1998; minimum, -1.66 ft, Dec. 31, 1997. Outside: Maximum elevation, 4.88 ft, June 11, 2001; minimum, -1.68 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--INSIDE: Maximum elevation, 2.64 ft, Oct. 10; minimum elevation, -1.30 ft, May 22.

OUTSIDE: Maximum elevation, 4.09 ft, Oct. 4; minimum elevation, -0.95 ft, Jan. 20.

ELEVATION, INSIDE, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.08	1.95	---	0.95	0.11	1.79	-0.67	1.10	-0.56	2.01	0.30	1.83
2	1.30	1.95	---	0.59	-0.02	1.47	-0.25	1.00	-0.35	2.13	0.25	1.97
3	0.74	1.93	0.36	-0.14	0.11	---	0.38	0.69	0.01	2.01	0.30	1.84
4	0.96	2.00	0.60	-0.25	0.09	1.62	0.66	0.60	0.27	1.89	0.32	1.74
5	1.57	2.08	0.71	-0.15	0.39	1.56	0.90	0.79	0.74	1.80	0.19	1.66
6	2.10	2.09	0.50	-0.07	0.95	1.35	1.17	0.90	1.02	1.16	0.07	1.59
7	2.21	1.75	0.54	0.13	0.85	1.73	1.59	1.00	0.85	1.94	-0.22	1.60
8	2.09	1.57	0.37	-0.35	0.36	1.54	2.33	0.95	0.66	1.79	-0.10	1.69
9	1.93	1.53	0.45	-0.65	0.63	1.37	2.29	1.08	0.48	1.66	0.24	1.70
10	2.38	1.44	0.88	-0.25	0.75	1.00	1.83	1.11	0.24	1.40	0.47	1.62
11	2.41	1.73	0.80	0.06	0.39	0.92	2.15	0.76	0.31	1.01	0.57	1.65
12	2.15	1.77	0.87	0.45	0.42	0.96	1.81	0.63	0.28	1.02	0.71	1.76
13	1.92	1.18	1.06	0.50	0.32	1.16	0.99	0.75	0.46	1.03	0.93	1.87
14	1.72	0.83	0.27	0.27	0.56	1.12	0.46	0.76	0.49	1.26	0.98	1.74
15	1.64	0.98	-0.14	0.14	0.85	1.06	0.31	0.54	0.68	1.49	1.18	1.57
16	1.39	0.68	0.02	0.17	1.29	1.26	0.56	0.47	0.73	1.46	1.32	1.53
17	1.30	-0.06	0.16	-0.48	0.61	1.51	0.57	0.43	0.87	1.15	1.09	1.49
18	1.30	-0.26	0.53	-0.57	0.50	1.54	0.55	0.29	1.00	0.83	0.80	1.39
19	1.50	-0.07	0.86	-0.75	0.60	1.68	0.89	0.22	0.99	0.55	0.60	1.36
20	1.25	0.23	0.50	-0.64	0.62	1.50	1.16	-0.64	0.87	0.47	0.48	1.20
21	1.32	0.51	0.27	-0.52	1.16	1.03	1.00	-0.64	0.76	0.08	0.82	1.30
22	1.39	0.38	0.33	-0.25	1.76	0.61	0.75	-0.51	0.79	-0.33	1.07	1.51
23	1.44	0.37	0.83	-0.45	1.85	0.60	0.97	0.82	0.76	-0.44	1.29	1.47
24	1.52	0.39	1.77	-0.37	1.78	0.47	1.24	0.90	0.81	-0.05	1.37	1.52
25	1.58	0.47	1.88	-0.35	1.90	0.48	1.12	0.65	1.10	0.41	1.42	1.60
26	1.73	0.51	0.98	-0.08	1.91	0.54	0.76	0.34	1.41	0.70	1.38	1.79
27	1.73	---	0.49	0.07	2.09	0.77	1.01	0.46	1.44	0.76	1.26	1.90
28	1.87	---	0.15	0.11	2.00	1.11	0.85	0.62	1.39	0.69	1.29	1.76
29	2.09	---	0.09	0.19	---	1.01	0.91	0.34	1.57	0.52	1.41	1.62
30	2.13	---	0.36	0.28	---	0.15	1.05	-0.18	0.73	0.49	1.68	1.71
31	1.99	---	1.25	0.32	---	-0.45	---	-0.45	---	0.43	1.74	---
MAX	2.41	---	---	0.95	2.09	---	2.33	1.11	1.57	2.13	1.74	1.97
MIN	0.74	---	---	-0.75	-0.02	---	-0.67	-0.64	-0.56	-0.44	-0.22	1.20

073802282 NEW RIVER CANAL NEAR SORRENTO, LA—Continued

ELEVATION, OUTSIDE, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.91	1.96	---	0.83	0.10	1.77	-0.69	1.13	-0.54	2.33	0.29	2.05
2	2.74	1.96	---	0.60	-0.03	1.46	-0.26	1.03	-0.34	2.18	0.24	1.97
3	3.52	1.94	0.38	-0.21	0.09	---	0.36	0.72	0.02	2.02	0.29	1.84
4	3.89	2.04	0.62	-0.23	0.08	---	0.65	0.63	0.27	1.90	0.32	1.74
5	3.66	---	0.73	-0.14	0.38	1.53	0.89	0.82	0.75	2.06	0.18	1.66
6	3.35	2.06	0.52	-0.04	0.95	1.36	1.15	0.93	1.02	2.27	0.07	1.59
7	3.01	1.75	0.56	0.15	0.84	1.73	1.64	1.03	0.85	1.88	-0.22	1.60
8	2.72	1.59	0.39	-0.36	0.35	1.55	2.67	0.99	0.66	1.79	-0.10	1.69
9	2.51	1.54	0.46	-0.65	0.61	1.38	2.85	1.12	0.48	1.66	0.24	1.70
10	2.52	1.45	0.90	-0.15	0.73	1.00	2.54	1.15	0.24	1.40	0.46	1.63
11	2.35	1.74	0.81	---	0.37	0.92	2.09	0.79	0.32	1.02	0.56	1.65
12	2.15	1.74	0.88	---	0.40	0.96	1.79	0.66	0.30	1.03	0.70	1.77
13	1.93	1.19	1.07	0.46	0.30	1.16	0.97	0.78	0.47	1.03	0.93	1.87
14	1.72	0.84	0.20	0.22	0.54	1.12	0.43	0.79	0.50	1.27	0.98	1.74
15	1.62	0.99	-0.13	0.15	0.83	1.06	0.28	0.57	0.69	1.50	1.18	1.57
16	1.38	0.69	0.03	0.18	1.26	1.26	0.53	0.50	0.75	1.46	1.32	1.53
17	1.29	-0.04	0.17	-0.55	0.59	1.51	0.54	0.45	0.89	1.15	1.08	1.50
18	1.30	-0.25	0.54	-0.55	0.48	1.54	0.53	0.31	1.02	0.82	0.80	1.40
19	1.50	-0.06	0.87	-0.74	0.58	1.68	0.90	0.43	1.00	0.54	0.60	1.36
20	1.25	0.24	0.50	-0.64	0.60	1.49	1.17	0.69	0.87	0.47	0.48	1.21
21	1.31	0.52	0.28	-0.51	1.64	1.02	1.02	0.92	0.76	0.07	0.82	1.31
22	1.40	0.39	0.33	---	2.05	0.61	0.78	0.79	0.79	-0.33	1.07	1.52
23	---	0.39	0.84	-0.49	1.83	0.60	1.01	0.85	0.77	-0.44	1.29	1.47
24	---	0.41	2.23	-0.32	1.76	0.47	1.27	0.91	0.82	-0.06	1.37	1.53
25	1.67	0.49	1.87	-0.39	1.88	0.47	1.15	0.66	1.11	0.40	1.42	1.61
26	1.73	0.53	0.98	---	2.06	0.54	0.80	0.36	1.41	0.68	1.38	1.80
27	1.74	---	0.52	0.06	2.08	0.76	1.05	0.48	1.45	0.75	1.26	1.91
28	1.88	---	0.12	0.11	1.98	1.11	0.90	0.64	1.40	0.68	1.28	1.77
29	2.09	---	0.09	0.19	---	1.00	0.95	0.36	1.58	0.51	1.40	1.63
30	2.14	---	0.38	0.27	---	0.13	1.09	-0.16	2.26	0.48	1.68	1.72
31	1.99	---	---	0.31	---	-0.47	---	-0.43	---	0.42	1.98	---
MAX	---	---	---	---	2.08	---	2.85	1.15	2.26	2.33	1.98	2.05
MIN	---	---	---	---	-0.03	---	-0.69	-0.43	-0.54	-0.44	-0.22	1.21

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA

LOCATION.-- Lat. 30°09'59", long 89°43'03", sec. 37, T. 10 S., R. 15 E., St. Tammany Parish, Hydrologic Unit 08090201, on the east side of U.S. Coast Guard Navigational Aid No. 4 structure, located on the north side of Bayou Rigolets and 0.8 miles east of U.S. Hwy 90 bridge over Bayou Rigolets and 9.0 mi. southeast of Slidell.

DRAINAGE AREA.-- Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1992 to September 1998. April 1999 to current year.

GAGE.-- Water-stage recorder. Datum of gage is NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.38 ft, Sept. 26, 2002; minimum elevation recorded, -4.91 ft, Aug. 26, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.22 ft, June 30, but may have been higher during period of missing record (Oct. 3) due to Hurricane Lili; minimum elevation, -1.53 ft, Jan. 19, Feb. 23.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.03	1.42	1.82	1.68	0.75	1.22	0.39	-0.55	-0.04	0.90	-0.50	0.22
2	2.64	1.74	2.30	1.52	0.93	1.25	0.55	-0.50	0.04	0.96	-0.41	0.10
3	---	---	---	1.72	1.08	1.38	0.71	-0.57	0.08	-0.10	-1.19	-0.60
4	---	---	---	1.72	0.72	1.20	0.99	-0.20	0.39	0.11	-0.84	-0.29
5	---	---	---	1.91	1.12	1.50	1.42	-0.49	0.26	0.30	-0.93	-0.31
6	---	---	---	1.45	-0.16	0.50	0.65	-0.55	0.07	0.21	-0.62	-0.18
7	---	---	---	0.92	-0.07	0.45	0.54	-0.60	0.00	0.27	-0.55	-0.13
8	---	---	---	0.93	-0.14	0.46	0.39	-0.48	-0.01	-0.31	-0.91	-0.59
9	---	---	---	1.07	0.22	0.67	0.68	0.01	0.37	-0.08	-0.67	-0.45
10	---	---	---	1.35	0.40	0.94	1.43	0.27	0.82	0.10	-0.34	-0.09
11	2.15	0.88	1.53	1.57	0.50	0.96	0.85	-0.10	0.38	0.36	-0.29	0.07
12	1.85	0.69	1.35	1.44	0.11	0.90	1.76	-0.22	0.61	0.44	-0.22	0.20
13	1.57	0.61	1.18	0.64	0.05	0.31	2.17	-0.31	0.83	0.53	-0.07	0.24
14	1.71	0.86	1.34	0.73	0.26	0.52	-0.04	-0.90	-0.46	0.46	-0.56	-0.03
15	1.86	0.79	1.43	1.06	0.72	0.85	0.22	-0.63	-0.23	0.44	-0.61	-0.03
16	1.39	0.67	1.08	0.87	0.12	0.52	0.36	-0.67	-0.15	0.67	-0.56	0.04
17	1.39	0.57	1.02	0.12	-0.61	-0.36	0.78	-0.64	0.02	0.18	-1.24	-0.70
18	1.37	0.57	1.04	0.09	-0.88	-0.38	0.99	-0.14	0.46	-0.10	-1.07	-0.53
19	1.38	1.03	1.21	0.35	-0.74	-0.20	1.31	0.42	0.90	-0.18	-1.53	-0.87
20	1.36	0.83	1.14	0.78	-0.50	0.16	1.33	-0.46	0.20	0.16	-1.03	-0.43
21	1.46	0.78	1.19	0.88	-0.37	0.30	0.67	-0.63	0.03	0.22	-0.68	-0.21
22	1.55	0.78	1.16	0.87	-0.30	0.16	0.66	-0.58	0.08	0.46	-0.40	0.04
23	1.54	0.93	1.28	0.48	-0.47	0.04	1.18	0.02	0.47	0.09	-0.70	-0.43
24	1.72	0.82	1.29	0.55	-0.51	0.06	1.69	-0.20	0.91	-0.09	-0.48	-0.26
25	1.81	0.85	1.34	0.67	-0.29	0.25	-0.05	-0.84	-0.54	0.25	-0.75	-0.23
26	1.80	0.66	1.28	0.74	-0.25	0.30	0.11	-0.42	-0.17	0.52	-0.56	0.00
27	1.70	0.79	1.29	0.71	-0.23	0.23	0.09	-0.14	-0.01	0.51	-0.56	0.00
28	1.77	0.61	1.22	0.62	-0.23	0.21	0.11	-0.47	-0.18	0.71	-0.63	0.03
29	1.89	0.53	1.15	0.27	-0.25	0.07	0.42	-0.72	-0.13	0.89	-0.46	0.25
30	1.42	0.59	1.05	0.22	-0.50	-0.21	1.02	-0.46	0.21	0.89	-0.46	0.25
31	1.53	0.77	1.16	---	---	---	1.77	0.77	1.21	0.93	-0.33	0.29
MONTH	---	---	---	1.91	-0.88	0.48	2.17	-0.90	0.21	0.96	-1.53	-0.15

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.62	-0.49	0.04	1.15	0.35	0.73	-0.18	-0.86	-0.53	---	---	---
2	0.50	-0.57	0.01	1.07	0.04	0.47	0.46	-0.34	0.10	1.27	0.39	0.91
3	0.78	-0.22	0.34	1.21	0.55	0.81	---	---	---	1.07	0.27	0.72
4	0.88	-0.20	0.29	1.93	1.15	1.61	---	---	---	1.33	0.10	0.81
5	0.64	0.23	0.47	1.44	0.92	1.17	---	---	---	1.47	0.42	0.98
6	1.43	0.58	1.04	1.08	0.75	0.94	---	---	---	1.52	0.50	1.04
7	0.74	-0.35	0.09	1.50	0.75	1.23	---	---	---	1.53	0.70	1.13
8	0.31	-0.29	0.01	1.45	0.58	1.08	---	---	---	1.58	0.54	1.12
9	1.01	-0.24	0.35	1.18	0.68	0.98	---	---	---	1.51	0.78	1.22
10	0.87	-0.80	-0.04	1.14	0.31	0.76	---	---	---	1.43	0.90	1.20
11	0.74	-0.38	0.15	1.20	0.08	0.68	---	---	---	1.14	0.60	0.76
12	0.68	-0.28	0.19	1.27	0.26	0.82	---	---	---	1.10	0.53	0.81
13	0.84	-0.42	0.19	1.28	0.25	0.80	---	---	---	1.25	0.56	0.81
14	1.01	-0.26	0.35	1.11	0.12	0.72	---	---	---	1.16	0.24	0.86
15	1.16	0.16	0.71	1.13	0.19	0.70	---	---	---	1.20	0.05	0.75
16	---	---	---	1.99	0.52	1.12	---	---	---	1.18	-0.01	0.66
17	---	---	---	2.14	0.63	1.27	---	---	---	1.39	0.07	0.76
18	---	---	---	1.95	0.93	1.34	---	---	---	1.10	-0.33	0.45
19	---	---	---	2.07	1.03	1.55	---	---	---	1.28	-0.19	0.63
20	0.74	0.26	0.55	1.53	0.37	1.17	---	---	---	1.51	0.18	0.83
21	2.14	0.41	1.24	1.05	-0.09	0.49	---	---	---	1.58	0.47	1.08
22	1.93	-1.27	0.54	1.15	-0.09	0.57	---	---	---	1.35	0.50	0.99
23	0.36	-1.53	-0.46	0.97	-0.07	0.51	---	---	---	1.31	0.67	1.07
24	0.20	-0.88	-0.30	0.93	-0.23	0.39	---	---	---	1.32	0.81	1.08
25	0.42	-1.00	-0.22	0.87	-0.33	0.31	---	---	---	0.87	0.55	0.73
26	1.60	-0.52	0.27	1.11	-0.16	0.51	---	---	---	0.84	0.06	0.58
27	1.60	0.16	0.84	1.51	0.30	0.95	---	---	---	1.13	0.31	0.74
28	1.16	0.00	0.54	1.61	0.70	1.13	---	---	---	1.12	0.19	0.71
29	---	---	---	1.64	0.30	0.79	---	---	---	0.88	-0.09	0.44
30	---	---	---	0.74	-0.67	-0.11	---	---	---	0.47	-0.41	0.14
31	---	---	---	-0.16	-0.71	-0.39	---	---	---	0.36	-0.62	-0.09
MONTH	---	---	---	2.14	-0.71	0.81	---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.32	-0.88	-0.21	3.53	-0.21	0.53	0.89	-0.02	0.43	2.45	1.60	2.03
2	0.77	-0.68	0.13	1.40	-0.25	0.53	0.75	0.03	0.45	2.18	1.26	1.78
3	1.15	-1.02	0.08	1.24	-0.44	0.41	0.65	0.26	0.54	2.04	1.19	1.69
4	1.08	-0.27	0.49	0.73	-0.25	0.13	0.86	0.27	0.51	2.07	1.07	1.63
5	1.41	0.06	0.83	---	---	---	0.72	-0.17	0.35	2.03	1.00	1.57
6	1.50	0.53	1.09	---	---	---	0.90	-0.45	0.31	2.10	1.02	1.66
7	1.17	-0.30	0.48	---	---	---	0.64	-0.65	0.07	2.07	0.97	1.63
8	1.04	0.27	0.71	---	---	---	0.88	-0.50	0.31	2.06	1.15	1.69
9	0.77	0.24	0.49	---	---	---	1.19	-0.30	0.58	1.95	1.21	1.61
10	0.64	-0.19	0.29	---	---	---	1.29	-0.05	0.69	1.74	1.16	1.46
11	1.22	-0.86	0.12	---	---	---	1.26	0.03	0.72	1.72	1.34	1.50
12	1.11	-0.79	0.19	---	---	---	1.45	0.16	0.95	1.90	1.53	1.68
13	0.97	-0.77	0.39	---	---	---	1.32	0.49	0.91	1.89	1.47	1.69
14	1.27	-0.25	0.63	---	---	---	1.43	0.56	1.03	1.83	1.16	1.46
15	1.30	-0.11	0.68	---	---	---	1.74	0.61	1.28	1.64	1.09	1.40
16	1.27	0.06	0.71	---	---	---	1.45	0.98	1.31	1.68	1.17	1.45
17	1.57	0.04	0.84	---	---	---	1.38	0.75	1.14	1.64	1.01	1.37
18	1.40	0.43	0.99	1.13	0.45	0.87	1.19	0.61	0.85	1.69	1.06	1.42
19	1.34	0.46	0.93	0.80	0.40	0.56	1.11	0.32	0.73	1.62	0.66	1.26
20	1.03	0.44	0.75	0.82	0.32	0.56	1.09	0.53	0.81	1.40	0.78	1.13
21	0.97	0.35	0.72	0.51	0.02	0.24	1.36	0.59	1.06	1.97	1.10	1.59
22	0.93	0.51	0.75	0.34	-0.55	-0.01	1.75	1.01	1.39	2.43	0.97	1.64
23	1.06	0.46	0.77	0.30	-0.57	-0.06	1.95	0.99	1.53	1.92	0.97	1.53
24	1.22	0.68	0.97	0.87	-0.33	0.37	1.91	0.99	1.52	2.00	1.04	1.62
25	1.55	0.81	1.30	1.07	-0.16	0.61	1.75	0.97	1.43	2.12	1.32	1.81
26	1.75	0.87	1.43	1.24	0.03	0.79	1.66	0.84	1.29	2.23	1.83	2.02
27	1.75	0.61	1.26	1.26	0.15	0.80	1.73	0.76	1.31	2.23	1.50	1.86
28	1.80	0.61	1.40	1.30	0.18	0.81	1.69	0.90	1.31	1.90	1.23	1.46
29	2.16	1.20	1.71	1.17	0.07	0.64	2.00	1.16	1.60	1.74	1.24	1.45
30	5.22	1.12	2.48	1.10	0.08	0.69	2.14	1.81	1.96	1.86	1.29	1.60
31	---	---	---	1.06	0.03	0.54	2.53	1.98	2.25	---	---	---
MONTH	5.22	-1.02	0.78	---	---	---	2.53	-0.65	0.99	2.45	0.66	1.59

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- July 1992 to September 1998. April 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to September 1998. April 1999 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: July 1992 to September 1998. April 1999 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 22-Nov. 15, June 22-July 17, and Sept. 15-30 when records good; Nov. 16-Dec. 3 when records fair; and Dec. 4-Jan. 27 when records poor.

SALINITY: Records excellent except for Oct. 22-Nov. 15, June 22-July 17, and Sept. 15-30 when records good; Nov. 16-Dec. 3 when records fair; and Dec. 4-Jan. 27 when records poor.

WATER TEMPERATURE: Records good except for Oct. 1-10 and July 8-16 when records fair.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 40,600 microsiemens/cm, Sept. 7, 2000; minimum recorded, 156 microsiemens/cm, Mar. 16, 1998.

SALINITY: Maximum, 15.4 ppt, Aug. 31, 2003; minimum, 0.1 ppt, Mar. 4, 2003.

WATER TEMPERATURE: Maximum, 33.6°C, Aug. 19, 1995; minimum, 3.6°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 25,300 microsiemens/cm, Aug. 31; minimum, 235 microsiemens/cm, Mar. 4.

SALINITY: Maximum, 15.4 ppt, Aug. 31; minimum, 0.1 ppt, Mar. 4.

WATER TEMPERATURE: Maximum, 32.1°C, Aug. 6; minimum, 7.3°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9,670	6,950	8,870	8,040	4,620	6,650	6,650	3,170	5,360	6,380	2,480	4,690
2	9,850	5,470	7,400	8,240	7,160	7,830	5,080	3,370	4,280	6,570	3,380	4,520
3	19,000	5,080	13,700	8,180	4,800	7,370	4,920	3,220	4,070	6,940	3,390	6,450
4	15,500	14,000	14,800	8,240	4,200	6,910	4,780	3,650	4,280	5,120	2,990	4,130
5	---	---	---	8,180	3,080	5,250	6,260	4,350	5,200	5,010	1,390	3,660
6	---	---	---	8,280	7,400	7,650	6,860	4,370	5,480	4,390	1,410	3,040
7	---	---	---	7,790	4,600	6,710	6,820	4,600	5,670	3,480	1,440	2,630
8	9,100	7,750	8,290	7,740	3,700	6,290	7,050	5,030	6,040	7,040	3,480	5,790
9	7,940	4,060	4,640	7,680	2,960	4,740	6,940	4,480	5,220	7,000	2,040	5,370
10	8,040	4,100	5,610	6,000	2,320	4,080	10,800	4,830	6,930	3,750	2,230	3,300
11	8,540	5,310	7,540	7,230	2,320	4,250	5,960	5,160	5,440	3,970	1,810	3,060
12	9,260	4,860	7,790	7,290	2,660	5,080	8,290	3,720	4,930	4,200	3,120	3,670
13	9,310	5,440	8,340	7,800	7,110	7,470	11,900	5,410	8,080	4,240	2,420	3,690
14	9,540	4,660	7,540	7,480	3,680	5,850	6,710	6,020	6,520	6,120	2,900	4,420
15	9,060	5,500	7,470	6,850	2,730	4,810	6,640	4,660	6,130	6,040	3,100	4,500
16	9,070	7,890	8,710	7,220	4,460	6,020	6,300	4,150	5,450	6,420	2,670	4,620
17	8,740	6,680	7,940	6,990	6,410	6,730	5,720	3,900	4,880	6,890	6,090	6,460
18	8,680	3,770	6,860	6,560	2,780	5,800	8,440	4,800	6,590	6,600	4,320	5,650
19	6,680	4,640	5,610	6,130	2,260	4,340	12,500	7,720	9,310	6,780	5,830	6,510
20	8,010	6,540	7,430	4,960	2,720	3,980	9,550	6,120	7,200	5,830	3,710	4,820
21	7,620	4,560	6,490	4,540	3,180	3,880	6,660	4,740	5,870	5,410	3,700	4,660
22	7,740	4,260	6,210	4,900	2,960	3,960	6,100	4,460	5,380	5,580	4,240	5,070
23	6,890	4,450	5,760	4,890	2,570	3,900	6,520	4,480	5,300	5,560	5,000	5,300
24	7,160	4,730	5,830	4,810	2,400	3,750	11,800	5,520	8,000	5,440	4,570	4,960
25	6,750	4,750	5,720	4,270	2,270	3,160	6,610	5,520	6,310	5,620	4,540	5,110
26	8,810	5,270	6,500	3,860	2,570	3,080	6,630	4,290	5,520	9,760	5,410	6,100
27	8,810	5,240	6,740	4,680	2,760	3,310	6,190	5,230	5,850	10,600	5,770	7,480
28	8,940	5,300	7,220	4,680	2,520	3,300	6,590	4,350	6,190	10,400	6,330	7,880
29	9,080	7,070	8,320	5,930	3,810	4,800	6,620	2,510	5,030	---	---	---
30	8,680	8,120	8,500	6,680	5,560	6,150	4,670	1,870	3,440	---	---	---
31	8,450	5,130	7,450	---	---	---	7,800	4,530	6,160	14,600	10,100	11,700
MONTH	---	---	---	8,280	2,260	5,240	12,500	1,870	5,810	---	---	---

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10,100	8,110	9,240	5,190	1,350	3,420	4,240	3,060	3,870	---	---	---
2	8,110	7,600	7,800	5,310	3,440	4,660	3,850	2,060	2,790	2,820	1,640	2,160
3	7,620	7,480	7,540	5,300	972	2,050	---	---	---	4,380	1,610	3,100
4	7,700	7,530	7,630	2,250	235	1,160	---	---	---	4,300	1,530	2,910
5	7,870	7,660	7,730	3,820	1,960	2,950	---	---	---	2,680	1,600	2,180
6	13,300	7,870	10,400	5,060	3,560	4,700	---	---	---	2,590	1,420	2,120
7	12,300	9,010	10,200	5,060	2,560	3,880	---	---	---	2,380	1,580	2,030
8	9,010	7,250	7,980	4,560	1,080	2,870	---	---	---	2,520	1,440	2,080
9	7,790	6,630	7,200	5,040	2,420	4,140	---	---	---	2,440	1,780	2,180
10	8,250	6,930	7,600	5,080	1,620	4,230	---	---	---	2,520	2,050	2,350
11	7,450	6,120	6,990	5,030	1,240	3,510	---	---	---	3,870	2,480	3,160
12	6,910	6,230	6,670	4,400	1,130	2,660	---	---	---	3,990	2,480	3,360
13	6,840	5,230	6,140	4,370	989	2,620	---	---	---	3,680	3,000	3,320
14	8,250	6,070	7,340	5,020	989	3,490	---	---	---	3,490	3,130	3,380
15	8,070	6,500	7,260	4,920	942	3,240	---	---	---	3,730	2,820	3,380
16	9,880	6,800	8,360	2,890	352	1,780	---	---	---	4,110	2,170	3,200
17	6,900	5,410	6,310	1,980	390	1,100	---	---	---	3,650	2,380	3,060
18	5,600	4,330	5,100	1,880	441	1,080	---	---	---	4,170	2,720	3,320
19	6,160	3,820	5,230	1,230	442	790	---	---	---	4,960	2,980	3,600
20	6,240	4,140	5,680	3,650	1,010	2,440	---	---	---	5,320	3,540	4,110
21	13,800	3,490	7,690	4,840	3,250	4,470	---	---	---	6,000	4,270	4,910
22	13,800	5,240	8,070	4,790	2,460	3,740	---	---	---	5,620	4,140	4,680
23	6,960	3,290	5,250	4,540	2,090	3,450	---	---	---	5,050	4,260	4,720
24	5,840	2,800	4,700	4,660	1,890	3,440	---	---	---	4,920	4,400	4,680
25	5,660	1,920	4,570	4,560	1,880	3,180	---	---	---	4,730	4,210	4,530
26	5,400	1,620	3,770	3,380	1,900	2,590	---	---	---	5,020	4,430	4,690
27	5,570	1,600	3,870	2,580	1,790	2,210	---	---	---	4,740	3,990	4,220
28	5,550	1,410	4,340	2,480	1,500	2,070	---	---	---	4,510	3,150	4,060
29	---	---	---	3,060	1,690	2,440	---	---	---	4,540	4,030	4,400
30	---	---	---	4,360	2,930	3,830	---	---	---	4,300	3,510	3,880
31	---	---	---	4,300	3,880	4,200	---	---	---	3,940	2,910	3,510
MONTH	13,800	1,410	6,810	5,310	235	2,980	---	---	---	---	---	---
JUNE			JULY			AUGUST			SEPTEMBER			
1	3,840	2,830	3,330	16,900	8,510	11,200	7,860	5,800	6,810	23,600	16,200	20,800
2	4,010	2,580	3,300	9,120	6,540	7,340	6,980	5,940	6,400	20,500	13,100	16,900
3	3,840	3,130	3,500	7,310	5,120	5,990	6,550	6,080	6,380	17,800	12,400	14,500
4	7,420	3,600	4,470	6,080	5,110	5,670	6,710	5,450	6,370	15,900	11,400	13,400
5	12,100	5,300	7,070	6,010	4,390	5,660	5,980	4,730	5,400	14,700	10,300	12,600
6	12,200	8,060	9,150	5,610	3,970	5,100	8,370	4,340	5,390	14,900	10,900	12,900
7	8,780	6,600	7,380	5,380	2,290	4,390	5,180	3,310	3,840	15,300	11,300	13,600
8	7,460	6,460	6,710	5,240	3,950	4,720	17,000	2,470	8,340	15,700	13,500	14,600
9	6,630	5,590	6,010	5,370	3,670	5,020	18,100	10,600	13,000	14,700	13,000	14,000
10	5,590	4,600	5,280	5,250	4,000	5,000	18,800	11,100	14,000	13,900	11,800	12,900
11	5,830	4,480	5,110	5,220	3,190	4,370	18,300	13,700	15,200	13,500	11,700	12,800
12	5,460	3,880	4,700	4,730	2,470	3,590	19,700	14,700	16,000	14,400	11,300	13,200
13	6,300	4,640	5,190	---	---	---	17,700	15,500	16,400	14,000	12,700	13,200
14	9,780	4,830	6,230	---	---	---	17,400	14,800	16,400	12,800	10,700	12,200
15	8,970	5,590	7,220	---	---	---	20,000	15,200	16,700	12,400	10,800	11,600
16	9,930	5,820	7,460	---	---	---	19,900	15,900	16,900	12,000	10,500	11,500
17	11,700	6,280	8,280	---	---	---	15,900	14,100	15,300	11,900	10,400	11,300
18	11,700	8,760	9,290	4,140	3,410	3,860	14,900	8,180	12,800	11,600	9,970	11,000
19	10,000	7,750	8,500	4,110	3,690	4,000	13,000	7,970	10,200	11,300	10,300	10,800
20	8,480	6,500	7,450	4,060	3,920	4,010	11,600	7,490	9,130	10,600	9,510	10,100
21	7,620	5,830	6,500	4,010	2,960	3,610	15,500	8,700	12,500	14,000	9,680	11,400
22	6,620	4,960	6,010	3,350	2,560	2,770	20,100	13,200	15,900	13,600	11,500	12,300
23	6,620	3,160	5,280	3,060	2,080	2,440	19,600	16,000	17,400	12,800	10,400	11,700
24	5,750	2,840	4,560	10,900	2,070	5,070	19,100	17,000	17,700	13,000	11,400	12,200
25	10,900	3,890	6,740	11,100	6,840	8,320	18,000	17,100	17,300	15,600	12,100	13,200
26	10,500	7,670	8,710	11,400	7,470	9,060	17,200	16,300	16,800	17,600	13,800	14,900
27	8,120	7,110	7,520	10,800	8,440	9,050	17,000	14,800	16,000	17,700	13,700	15,100
28	11,800	6,240	8,150	9,640	8,300	9,040	16,300	15,100	15,800	14,000	11,900	13,200
29	13,500	8,550	10,800	9,110	7,810	8,600	19,300	15,000	16,400	12,700	11,500	12,200
30	20,000	10,400	14,200	8,640	6,840	8,200	22,600	17,300	20,000	13,200	11,800	12,600
31	---	---	---	8,370	6,870	7,790	25,300	21,200	23,100	---	---	---
MONTH	20,000	2,580	6,800	---	---	---	25,300	2,470	13,200	23,600	9,510	13,100

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	5.4	3.8	4.9	4.4	2.5	3.6	3.6	1.6	2.9	3.5	1.3	2.5
2	5.5	2.9	4.1	4.6	3.9	4.3	2.7	1.8	2.3	3.6	1.8	2.4
3	11.3	2.7	7.9	4.5	2.6	4.1	2.6	1.7	2.2	3.8	1.8	3.5
4	9.0	8.1	8.6	4.6	2.2	3.8	2.6	1.9	2.3	2.7	1.6	2.2
5	---	---	---	4.5	1.6	2.8	3.4	2.3	2.8	2.7	0.7	1.9
6	---	---	---	4.6	4.1	4.2	3.8	2.3	3.0	2.3	0.7	1.6
7	---	---	---	4.3	2.5	3.7	3.7	2.5	3.1	1.8	0.7	1.4
8	5.1	4.3	4.6	4.3	1.9	3.4	3.9	2.7	3.3	3.9	1.8	3.1
9	4.4	2.1	2.5	4.2	1.5	2.5	3.8	2.4	2.8	3.8	1.0	2.9
10	4.4	2.2	3.0	3.3	1.2	2.2	6.1	2.6	3.8	2.0	1.1	1.7
11	4.7	2.9	4.2	4.0	1.2	2.3	3.2	2.8	2.9	2.1	0.9	1.6
12	5.2	2.6	4.3	4.0	1.4	2.7	4.6	2.0	2.6	2.2	1.6	1.9
13	5.2	2.9	4.6	4.3	3.9	4.1	6.8	2.9	4.5	2.2	1.2	1.9
14	5.3	2.5	4.2	4.1	1.9	3.2	3.7	3.3	3.6	3.3	1.5	2.4
15	5.1	3.0	4.1	3.7	1.4	2.6	3.6	2.5	3.3	3.3	1.6	2.4
16	5.1	4.4	4.8	4.0	2.4	3.3	3.4	2.2	2.9	3.5	1.4	2.5
17	4.9	3.6	4.4	3.8	3.5	3.7	3.1	2.1	2.6	3.8	3.3	3.5
18	4.8	2.0	3.8	3.6	1.4	3.1	4.7	2.6	3.6	3.6	2.3	3.1
19	3.6	2.5	3.0	3.3	1.2	2.3	7.2	4.3	5.2	3.7	3.2	3.5
20	4.4	3.6	4.1	2.7	1.4	2.1	5.3	3.3	4.0	3.2	2.0	2.6
21	4.2	2.4	3.5	2.4	1.7	2.0	3.6	2.5	3.2	2.9	1.9	2.5
22	4.3	2.3	3.4	2.6	1.5	2.1	3.3	2.4	2.9	3.0	2.2	2.7
23	3.8	2.4	3.1	2.6	1.3	2.1	3.6	2.4	2.9	3.0	2.7	2.8
24	3.9	2.5	3.2	2.6	1.2	2.0	6.7	3.0	4.4	2.9	2.4	2.7
25	3.7	2.5	3.1	2.3	1.2	1.6	3.6	3.0	3.4	3.0	2.4	2.7
26	4.9	2.8	3.5	2.0	1.3	1.6	3.6	2.3	3.0	5.5	2.9	3.3
27	4.9	2.8	3.7	2.5	1.4	1.7	3.4	2.8	3.2	6.0	3.1	4.1
28	5.0	2.8	4.0	2.5	1.3	1.7	3.6	2.3	3.4	5.9	3.4	4.4
29	5.1	3.9	4.6	3.2	2.0	2.6	3.6	1.3	2.7	---	---	---
30	4.8	4.5	4.7	3.6	3.0	3.3	2.5	0.9	1.8	---	---	---
31	4.7	2.8	4.1	---	---	---	4.3	2.4	3.3	8.5	5.7	6.7
MONTH	---	---	---	4.6	1.2	2.8	7.2	0.9	3.2	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	5.7	4.5	5.2	2.8	0.7	1.8	2.2	1.6	2.0	---	---	---
2	4.5	4.2	4.3	2.9	1.8	2.5	2.0	1.0	1.4	1.5	0.8	1.1
3	4.2	4.1	4.2	2.8	0.5	1.0	---	---	---	2.3	0.8	1.6
4	4.2	4.1	4.2	1.1	0.1	0.6	---	---	---	2.3	0.8	1.5
5	4.3	4.2	4.3	2.0	1.0	1.5	---	---	---	1.4	0.8	1.1
6	7.6	4.3	5.9	2.7	1.9	2.5	---	---	---	1.3	0.7	1.1
7	7.0	5.0	5.8	2.7	1.3	2.0	---	---	---	1.2	0.8	1.0
8	5.0	4.0	4.4	2.4	0.5	1.5	---	---	---	1.3	0.7	1.1
9	4.3	3.6	4.0	2.7	1.2	2.2	---	---	---	1.3	0.9	1.1
10	4.6	3.8	4.2	2.7	0.8	2.2	---	---	---	1.3	1.0	1.2
11	4.1	3.3	3.8	2.7	0.6	1.9	---	---	---	2.0	1.3	1.6
12	3.8	3.4	3.6	2.3	0.6	1.4	---	---	---	2.1	1.3	1.8
13	3.7	2.8	3.3	2.3	0.5	1.4	---	---	---	1.9	1.6	1.7
14	4.6	3.3	4.0	2.7	0.5	1.8	---	---	---	1.8	1.6	1.8
15	4.5	3.5	4.0	2.6	0.5	1.7	---	---	---	2.0	1.5	1.8
16	5.5	3.7	4.6	1.5	0.2	0.9	---	---	---	2.2	1.1	1.7
17	3.8	2.9	3.4	1.0	0.2	0.5	---	---	---	1.9	1.2	1.6
18	3.0	2.3	2.7	1.0	0.2	0.5	---	---	---	2.2	1.4	1.7
19	3.3	2.0	2.8	0.6	0.2	0.4	---	---	---	2.7	1.5	1.9
20	3.4	2.2	3.1	1.9	0.5	1.3	---	---	---	2.9	1.9	2.2
21	7.9	1.8	4.3	2.6	1.7	2.4	---	---	---	3.3	2.3	2.6
22	7.9	2.8	4.5	2.6	1.3	2.0	---	---	---	3.0	2.2	2.5
23	3.8	1.7	2.8	2.4	1.1	1.8	---	---	---	2.7	2.3	2.5
24	3.2	1.4	2.5	2.5	1.0	1.8	---	---	---	2.6	2.3	2.5
25	3.1	1.0	2.4	2.4	1.0	1.7	---	---	---	2.5	2.2	2.4
26	2.9	0.8	2.0	1.8	1.0	1.3	---	---	---	2.7	2.4	2.5
27	3.0	0.8	2.1	1.3	0.9	1.1	---	---	---	2.5	2.1	2.2
28	3.0	0.7	2.3	1.3	0.8	1.1	---	---	---	2.4	1.6	2.1
29	---	---	---	1.6	0.9	1.2	---	---	---	2.4	2.1	2.3
30	---	---	---	2.3	1.5	2.0	---	---	---	2.3	1.8	2.0
31	---	---	---	2.3	2.0	2.2	---	---	---	2.1	1.5	1.8
MONTH	7.9	0.7	3.7	2.9	0.1	1.6	---	---	---	---	---	---

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	2.0	1.5	1.7	9.9	4.7	6.4	4.3	3.1	3.7	14.3	9.4	12.5
2	2.1	1.3	1.7	5.1	3.6	4.0	3.8	3.2	3.5	12.2	7.5	9.9
3	2.0	1.6	1.8	4.0	2.7	3.2	3.6	3.3	3.5	10.5	7.1	8.4
4	4.1	1.9	2.4	3.3	2.7	3.1	3.7	2.9	3.5	9.3	6.5	7.7
5	6.9	2.8	3.9	3.3	2.3	3.1	3.2	2.5	2.9	8.6	5.8	7.2
6	7.0	4.5	5.1	3.0	2.1	2.7	4.6	2.3	2.9	8.7	6.2	7.4
7	4.9	3.6	4.1	2.9	1.2	2.3	2.8	1.7	2.0	8.9	6.4	7.8
8	4.1	3.5	3.7	2.8	2.1	2.5	10.0	1.3	4.7	9.1	7.8	8.4
9	3.6	3.0	3.3	2.9	1.9	2.7	10.7	6.0	7.5	8.6	7.5	8.1
10	3.0	2.5	2.8	2.8	2.1	2.7	11.1	6.3	8.1	8.0	6.7	7.4
11	3.2	2.4	2.7	2.8	1.7	2.3	10.8	7.9	8.9	7.8	6.6	7.4
12	2.9	2.0	2.5	2.5	1.3	1.9	11.7	8.6	9.4	8.3	6.4	7.6
13	3.4	2.5	2.8	---	---	---	10.4	9.0	9.6	8.1	7.3	7.6
14	5.5	2.6	3.4	---	---	---	10.2	8.6	9.6	7.4	6.1	7.0
15	5.0	3.0	4.0	---	---	---	11.9	8.9	9.8	7.1	6.1	6.6
16	5.6	3.1	4.1	---	---	---	11.8	9.3	9.9	6.8	6.0	6.5
17	6.6	3.4	4.6	---	---	---	9.3	8.1	8.9	6.8	5.9	6.4
18	6.6	4.9	5.2	2.2	1.8	2.0	8.7	4.5	7.3	6.6	5.6	6.3
19	5.6	4.3	4.7	2.2	1.9	2.1	7.5	4.4	5.8	6.4	5.8	6.1
20	4.7	3.5	4.1	2.1	2.1	2.1	6.6	4.1	5.1	6.0	5.3	5.7
21	4.2	3.2	3.5	2.1	1.5	1.9	9.1	4.9	7.3	8.1	5.4	6.5
22	3.6	2.7	3.3	1.7	1.3	1.4	12.0	7.6	9.3	7.8	6.5	7.0
23	3.6	1.6	2.8	1.6	1.1	1.3	11.7	9.3	10.3	7.4	5.9	6.7
24	3.1	1.5	2.4	6.2	1.1	2.7	11.4	10.0	10.4	7.5	6.5	7.0
25	6.2	2.1	3.7	6.3	3.7	4.6	10.6	10.1	10.2	9.1	6.9	7.6
26	6.0	4.2	4.9	6.5	4.1	5.1	10.1	9.5	9.9	10.4	7.9	8.7
27	4.5	3.9	4.1	6.1	4.7	5.1	10.0	8.6	9.4	10.4	7.9	8.8
28	6.7	3.4	4.5	5.4	4.6	5.0	9.5	8.8	9.2	8.1	6.8	7.6
29	7.8	4.8	6.1	5.1	4.3	4.8	11.5	8.7	9.6	7.3	6.5	7.0
30	11.9	5.9	8.3	4.8	3.7	4.5	13.6	10.2	11.9	7.6	6.7	7.3
31	---	---	---	4.6	3.8	4.3	15.4	12.7	14.0	---	---	---
MONTH	11.9	1.3	3.7	---	---	---	15.4	1.3	7.7	14.3	5.3	7.5

MISSISSIPPI RIVER DELTA

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.8	25.8	26.3	22.6	21.1	21.7	14.0	11.9	13.4	13.9	12.7	13.1
2	26.5	25.7	26.0	21.5	20.3	21.1	14.8	12.4	13.4	13.4	12.4	13.0
3	26.2	25.5	25.9	20.8	19.3	20.2	15.0	13.4	13.8	12.5	11.2	12.0
4	26.7	25.7	26.1	20.3	19.6	19.9	15.9	13.8	14.6	12.4	10.4	11.5
5	28.5	24.8	26.5	20.4	19.4	19.8	14.8	13.5	14.1	12.6	10.5	11.5
6	29.8	24.2	26.4	19.7	18.4	19.1	13.7	11.6	13.1	12.7	10.9	11.7
7	29.2	24.6	26.5	19.3	17.5	18.6	13.2	11.4	12.5	11.8	10.8	11.2
8	27.1	26.1	26.8	19.6	17.7	18.7	12.9	11.8	12.4	11.7	10.7	11.1
9	26.9	25.4	26.0	19.3	17.8	18.6	12.4	11.6	12.0	11.4	10.3	10.9
10	27.0	25.2	26.2	20.9	18.1	19.4	11.7	11.4	11.6	13.0	11.3	12.0
11	27.9	25.9	27.0	21.0	19.5	20.3	12.0	11.0	11.6	12.0	10.5	11.2
12	27.2	26.3	26.9	20.7	19.1	20.0	12.0	11.1	11.3	11.0	9.5	10.5
13	26.9	25.3	26.5	19.1	18.1	18.7	12.5	11.4	11.8	10.6	9.5	10.1
14	26.0	23.7	24.8	18.4	17.8	18.2	11.9	11.2	11.6	10.5	9.2	9.9
15	24.9	23.5	24.2	18.3	17.6	17.9	12.4	10.9	11.4	10.2	9.3	9.7
16	23.7	22.4	23.0	17.9	15.9	17.3	13.4	11.2	11.9	10.5	9.0	10.1
17	22.8	21.9	22.4	16.2	15.0	15.7	13.9	12.1	12.6	10.0	8.8	9.5
18	22.3	21.6	22.0	16.2	15.0	15.7	14.4	12.4	13.2	9.8	8.3	9.1
19	22.8	21.6	22.2	16.9	15.3	15.8	15.4	13.5	14.2	10.3	8.3	9.0
20	23.6	22.5	22.9	16.9	15.6	16.1	14.4	13.6	14.0	11.2	8.7	9.8
21	23.3	22.7	23.0	17.3	15.8	16.4	14.8	13.1	14.0	11.8	9.4	10.3
22	24.0	22.4	22.9	16.5	15.0	16.0	15.9	13.7	14.6	12.0	10.3	11.0
23	23.5	22.5	22.9	16.2	14.6	15.6	15.3	14.3	14.6	11.0	9.0	9.9
24	23.4	22.5	22.9	16.5	14.1	15.6	16.3	14.7	15.4	9.4	8.3	9.0
25	23.4	22.5	23.0	16.9	14.9	15.7	14.8	13.2	13.8	9.0	7.3	8.2
26	23.4	22.8	23.1	17.1	15.2	16.1	13.6	12.1	12.7	8.2	7.8	8.0
27	23.9	22.8	23.3	16.8	15.2	15.9	12.8	11.8	12.5	9.0	7.7	8.1
28	24.2	23.1	23.7	15.5	14.0	14.9	12.8	11.6	12.2	9.8	8.1	8.6
29	23.8	23.0	23.5	15.4	13.8	14.6	12.5	11.6	12.1	9.9	8.7	9.3
30	23.8	22.9	23.3	14.6	13.9	14.2	13.5	12.2	12.7	11.1	9.6	10.0
31	23.3	21.8	22.7	---	---	---	14.1	12.8	13.6	10.7	10.0	10.3
MONTH	29.8	21.6	24.5	22.6	13.8	17.6	16.3	10.9	13.0	13.9	7.3	10.3
FEBRUARY			MARCH			APRIL			MAY			
1	11.8	10.2	10.8	14.8	14.0	14.4	17.9	16.3	17.2	---	---	---
2	12.9	10.6	11.4	15.3	14.2	14.8	18.5	17.4	17.9	26.6	25.0	25.6
3	12.7	11.2	12.1	14.9	13.2	13.7	---	---	---	27.9	26.0	26.4
4	13.5	12.0	12.5	13.7	12.8	13.2	---	---	---	27.0	26.6	26.8
5	12.3	11.8	12.0	14.4	13.7	14.0	---	---	---	27.3	26.2	26.8
6	12.0	11.4	11.6	14.9	14.4	14.7	---	---	---	27.4	26.5	27.0
7	11.6	10.1	11.0	16.1	14.5	14.9	---	---	---	27.7	26.6	27.1
8	10.7	9.7	10.3	16.3	15.2	15.6	---	---	---	28.0	26.8	27.3
9	10.7	10.1	10.5	16.9	15.6	16.1	---	---	---	28.2	27.3	27.8
10	12.9	10.6	11.2	17.3	16.2	16.6	---	---	---	28.3	27.5	27.9
11	11.9	10.6	11.3	17.1	16.5	16.7	---	---	---	29.2	27.3	28.1
12	12.9	11.4	11.8	17.7	16.5	16.9	---	---	---	28.5	26.9	27.7
13	12.8	11.5	12.2	18.3	16.8	17.3	---	---	---	27.7	25.6	27.0
14	14.5	12.6	13.2	19.2	17.1	18.0	---	---	---	27.8	25.6	26.6
15	15.0	13.4	14.1	19.5	17.6	18.4	---	---	---	27.5	26.6	26.9
16	15.7	14.3	14.9	18.7	17.7	18.2	---	---	---	27.6	26.9	27.1
17	14.3	12.7	13.3	19.5	17.6	18.5	---	---	---	27.8	27.0	27.4
18	14.2	12.0	13.1	20.1	18.5	19.1	---	---	---	28.2	26.4	27.3
19	14.8	12.3	13.2	20.4	18.7	19.4	---	---	---	28.1	27.2	27.7
20	14.8	13.0	13.5	20.4	19.7	20.1	---	---	---	28.0	27.2	27.5
21	14.7	13.2	14.1	20.2	19.4	19.8	---	---	---	28.1	26.9	27.4
22	14.9	14.0	14.6	20.0	19.4	19.6	---	---	---	27.5	26.6	26.8
23	14.8	13.4	14.2	20.4	19.2	19.6	---	---	---	27.5	25.2	26.5
24	15.9	14.2	14.8	20.5	19.2	19.7	---	---	---	27.4	26.0	26.8
25	15.4	14.3	14.9	20.1	19.5	19.8	---	---	---	27.1	26.0	26.6
26	14.9	14.5	14.7	20.7	19.7	20.0	---	---	---	28.1	26.7	27.2
27	15.4	14.5	14.8	21.3	19.8	20.5	---	---	---	27.3	26.4	26.9
28	14.9	14.0	14.6	22.4	20.5	21.2	---	---	---	27.0	26.0	26.4
29	---	---	---	21.6	18.5	20.3	---	---	---	27.7	26.1	26.8
30	---	---	---	19.1	17.1	17.9	---	---	---	27.6	26.2	26.6
31	---	---	---	18.6	16.6	17.4	---	---	---	27.8	26.0	26.7
MONTH	15.9	9.7	12.9	22.4	12.8	17.6	---	---	---	---	---	---

0738023365 BAYOU RIGOLETS NEAR SLIDELL, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.1	26.5	27.2	28.0	25.9	27.1	30.4	29.5	29.9	29.8	28.4	29.1
2	28.5	27.4	28.0	29.1	27.1	27.8	30.3	29.2	29.7	31.4	29.2	30.1
3	28.6	26.9	27.7	29.0	27.8	28.5	31.1	29.1	29.9	32.0	29.5	30.4
4	28.4	27.3	27.9	29.3	28.2	28.7	31.7	29.6	30.5	31.2	29.9	30.4
5	28.2	27.3	27.8	28.5	27.2	28.0	31.9	30.5	31.0	30.2	29.2	29.8
6	27.9	27.4	27.6	28.5	27.0	27.5	32.1	29.8	30.9	29.6	28.6	29.1
7	27.9	27.1	27.5	28.0	26.9	27.5	31.5	30.0	30.7	29.4	28.4	28.9
8	28.8	27.7	28.0	28.5	27.2	27.6	31.1	29.8	30.3	28.7	28.2	28.5
9	31.0	28.5	29.3	30.3	27.5	28.5	30.8	29.9	30.2	28.8	28.4	28.6
10	30.3	29.5	29.9	30.8	28.7	29.4	31.2	29.9	30.3	29.0	28.2	28.6
11	30.0	28.8	29.7	30.4	29.1	29.5	30.8	29.9	30.3	29.0	27.9	28.5
12	29.4	28.6	29.0	30.3	29.0	29.4	30.5	29.1	29.8	29.0	28.3	28.6
13	28.9	28.3	28.6	30.2	29.3	29.6	29.4	28.6	29.0	29.1	28.0	28.4
14	29.7	28.4	29.0	29.9	28.9	29.2	29.4	28.3	28.7	29.4	27.7	28.5
15	29.5	28.4	29.0	29.5	28.5	28.9	29.7	28.5	29.2	29.4	28.0	28.6
16	29.6	28.3	29.1	30.1	29.1	29.5	30.3	29.1	29.6	29.0	27.3	28.3
17	29.6	28.5	28.8	30.2	28.8	29.8	30.7	29.5	30.0	29.1	26.8	28.2
18	29.6	28.0	28.8	30.4	28.5	29.3	32.0	29.8	30.7	28.9	27.2	28.1
19	29.5	28.7	29.0	31.1	29.0	29.9	31.6	30.3	30.9	30.0	27.8	28.7
20	29.2	28.2	28.7	30.4	29.1	29.7	31.2	30.2	30.7	28.7	27.6	28.2
21	29.3	28.6	28.9	31.0	28.9	29.7	30.7	29.1	29.8	28.2	27.2	27.7
22	31.1	28.5	29.0	31.4	29.4	30.2	30.0	29.4	29.6	27.6	27.0	27.3
23	30.7	28.5	29.4	30.3	29.4	29.9	30.0	29.4	29.6	27.3	26.7	27.0
24	30.6	28.9	29.7	30.2	28.4	29.2	30.6	29.5	29.9	27.2	26.8	27.0
25	30.7	29.2	29.8	29.9	28.8	29.3	30.7	30.0	30.3	27.3	26.4	26.9
26	31.2	29.7	30.2	30.7	29.0	29.6	31.2	30.2	30.6	27.8	26.8	27.3
27	30.5	29.7	30.1	30.7	29.5	29.8	31.3	30.5	30.9	28.7	27.3	27.7
28	29.9	29.2	29.6	30.4	29.6	30.0	31.2	30.2	30.7	27.9	26.0	27.2
29	29.8	29.0	29.3	30.5	29.6	30.0	30.9	30.2	30.6	26.5	24.9	25.8
30	29.0	26.7	28.1	30.4	29.5	29.9	30.6	29.4	30.1	25.6	23.2	24.2
31	---	---	---	30.8	29.4	29.9	29.8	28.4	29.0	---	---	---
MONTH	31.2	26.5	28.8	31.4	25.9	29.1	32.1	28.3	30.1	32.0	23.2	28.2

073802375 LAKE SALVADOR NEAR LAFITTE, LA

LOCATION.--Lat 29°46'00", long 90°10'59", T. 15 S., R. 22 E., Jefferson Parish, Hydrologic Unit 08090301, installed on wooden platform in the Bayou Villars oilfield, 3 miles south of Couba Island in Lake Salvador.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--August, 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation. Prior to Dec. 21, 2001, site was located 525 yards west of present site.

REMARKS.--Stage affected by wind and tide. Prior to Dec. 21, 2002, site was located 525 yards west of present site. Satellite telemetry with wind speed and wind direction at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 11.84 ft, June 30, 2003; minimum recorded gage height, 2.51 ft, Jan. 2, 2001 (old location).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 11.84 ft, June 30; minimum elevation, 7.36 ft, Jan. 23.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10.17	10.08	10.12	---	---	---	8.67	8.39	8.51	9.28	8.87	9.04
2	10.32	10.01	10.12	---	---	---	8.71	8.53	8.60	9.22	8.72	9.01
3	---	---	---	---	---	---	8.82	8.66	8.74	8.76	8.17	8.42
4	---	---	---	---	---	---	9.00	8.78	8.91	8.41	8.17	8.32
5	---	---	---	---	---	---	9.09	8.11	8.71	8.61	8.37	8.51
6	---	---	---	---	---	---	8.37	8.13	8.25	8.61	8.31	8.51
7	---	---	---	---	---	---	8.46	8.19	8.35	8.39	8.25	8.32
8	---	---	---	---	---	---	8.49	8.26	8.39	8.29	8.19	8.24
9	---	---	---	---	---	---	8.48	8.28	8.38	8.62	8.26	8.44
10	---	---	---	---	---	---	8.48	8.28	8.38	8.74	8.29	8.54
11	---	---	---	---	---	---	8.65	8.29	8.52	8.30	8.05	8.15
12	---	---	---	---	---	---	9.25	7.89	8.66	8.24	8.07	8.15
13	---	---	---	---	---	---	9.56	8.57	8.95	8.45	8.14	8.24
14	---	---	---	---	---	---	8.66	8.34	8.46	8.47	8.26	8.37
15	---	---	---	---	---	---	8.56	8.38	8.47	8.46	8.31	8.39
16	---	---	---	---	---	---	8.66	8.48	8.56	8.61	8.35	8.52
17	---	---	---	---	---	---	8.76	8.58	8.67	8.35	7.78	8.00
18	---	---	---	---	---	---	9.08	8.73	8.93	8.22	7.78	8.02
19	---	---	---	---	---	---	9.62	9.08	9.35	8.28	8.09	8.18
20	---	---	---	8.87	8.66	8.76	9.44	8.93	9.18	8.45	8.15	8.33
21	---	---	---	9.02	8.72	8.89	9.00	8.86	8.94	8.58	8.31	8.47
22	---	---	---	8.84	8.47	8.68	9.14	8.84	9.01	8.69	8.30	8.55
23	---	---	---	8.61	8.47	8.53	9.36	8.78	9.01	8.30	7.36	7.84
24	---	---	---	8.77	8.54	8.67	9.69	9.23	9.53	7.80	7.37	7.54
25	---	---	---	8.94	8.63	8.83	9.38	8.50	8.81	8.07	7.77	7.87
26	---	---	---	9.10	8.81	8.97	8.50	8.29	8.37	8.20	7.92	8.04
27	---	---	---	8.87	8.42	8.66	8.35	8.24	8.31	8.30	8.12	8.20
28	---	---	---	8.42	8.25	8.35	8.48	8.28	8.36	8.52	8.30	8.38
29	---	---	---	8.60	8.27	8.45	8.67	8.45	8.52	8.67	8.49	8.58
30	---	---	---	8.76	8.60	8.69	8.92	8.67	8.76	8.82	8.48	8.65
31	---	---	---	---	---	---	9.51	8.92	9.24	8.79	8.49	8.66
MONTH	---	---	---	---	---	---	9.69	7.89	8.70	9.28	7.36	8.34

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.60	8.42	8.51	9.16	8.91	9.02	8.79	8.53	8.67	9.77	9.51	9.64
2	8.68	8.52	8.61	9.09	8.73	8.94	9.00	8.67	8.81	9.68	9.48	9.59
3	8.91	8.61	8.79	8.94	8.72	8.82	9.42	9.00	9.16	9.64	9.42	9.54
4	8.96	8.40	8.67	9.23	8.94	9.16	9.46	9.25	9.36	9.84	9.44	9.60
5	8.53	8.33	8.40	9.51	9.18	9.34	9.60	9.29	9.42	10.39	9.58	10.07
6	8.98	8.43	8.77	9.54	9.20	9.39	9.78	9.40	9.56	10.59	10.28	10.39
7	8.95	8.11	8.44	9.25	9.09	9.16	9.86	9.63	9.73	10.59	10.16	10.49
8	8.29	7.94	8.08	9.38	9.12	9.22	9.86	9.64	9.77	10.49	10.28	10.37
9	8.89	8.29	8.49	9.38	9.13	9.23	9.68	9.04	9.42	10.42	10.34	10.37
10	8.92	8.57	8.72	9.25	8.98	9.11	9.09	8.57	8.81	10.68	10.35	10.44
11	8.68	8.43	8.55	9.26	8.98	9.11	8.78	8.49	8.58	10.56	10.11	10.37
12	8.77	8.59	8.69	9.44	9.15	9.27	8.80	8.58	8.69	10.11	9.62	9.81
13	8.79	8.55	8.66	9.46	8.99	9.36	8.83	8.65	8.76	9.62	9.10	9.43
14	8.96	8.70	8.86	9.50	9.16	9.32	8.89	8.72	8.80	9.76	9.48	9.63
15	9.40	8.96	9.17	9.51	9.16	9.28	8.84	8.70	8.75	9.74	9.55	9.64
16	9.48	8.91	9.26	9.63	9.35	9.45	9.35	8.84	9.13	9.82	9.49	9.64
17	8.92	8.45	8.69	9.65	9.42	9.55	9.34	9.20	9.27	10.06	9.70	9.89
18	8.70	8.49	8.60	9.84	9.53	9.68	9.32	9.03	9.17	9.95	9.60	9.75
19	8.81	8.59	8.73	9.94	9.76	9.85	9.55	9.13	9.27	9.73	9.41	9.57
20	8.91	8.70	8.77	9.88	9.70	9.78	9.64	9.38	9.51	9.70	9.41	9.55
21	9.95	8.78	9.22	9.70	9.36	9.54	9.60	9.29	9.41	9.67	9.41	9.51
22	10.26	8.91	9.65	9.36	9.11	9.21	9.36	9.07	9.19	9.51	9.06	9.24
23	9.31	8.94	9.08	9.28	9.00	9.12	9.36	9.01	9.18	9.07	8.82	8.92
24	9.32	9.08	9.18	9.22	8.90	9.05	9.95	9.34	9.62	9.20	8.86	8.97
25	9.24	8.79	9.01	9.34	9.05	9.16	9.98	9.53	9.75	9.27	9.09	9.17
26	9.29	8.97	9.09	9.38	9.04	9.23	9.53	9.07	9.30	9.41	9.11	9.26
27	9.33	8.99	9.16	9.53	9.23	9.34	9.16	9.05	9.08	9.20	8.96	9.06
28	9.18	8.80	9.03	9.61	9.45	9.53	9.37	9.16	9.28	9.03	8.79	8.92
29	---	---	---	9.62	8.72	9.22	9.57	9.31	9.43	9.08	8.81	8.93
30	---	---	---	8.84	8.16	8.52	9.73	9.46	9.58	9.11	8.78	8.94
31	---	---	---	8.53	8.14	8.29	---	---	---	9.15	8.87	9.01
MONTH	10.26	7.94	8.82	9.94	8.14	9.23	9.98	8.49	9.22	10.68	8.78	9.60
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.09	8.79	8.93	11.48	10.73	10.95	9.21	8.95	9.09	10.42	10.15	10.33
2	9.48	8.83	9.01	10.73	10.36	10.51	9.25	8.84	9.09	10.25	10.03	10.16
3	9.54	9.21	9.36	10.36	10.12	10.22	9.25	9.03	9.09	10.09	9.87	10.00
4	9.54	9.21	9.37	10.17	9.95	10.07	9.17	9.02	9.11	9.95	9.77	9.87
5	9.66	9.24	9.40	10.12	9.90	10.00	9.26	9.04	9.13	9.84	9.60	9.72
6	10.01	9.64	9.82	9.98	9.74	9.84	9.30	9.00	9.12	9.75	9.54	9.64
7	9.96	9.72	9.80	9.76	9.61	9.71	9.16	8.92	9.05	9.77	9.54	9.66
8	9.73	9.36	9.52	9.95	9.66	9.78	9.06	8.83	8.93	9.87	9.60	9.74
9	9.36	9.21	9.28	9.90	9.74	9.81	9.10	8.82	8.96	9.94	9.67	9.79
10	9.57	9.21	9.35	9.91	9.64	9.72	9.13	8.89	9.01	9.87	9.67	9.77
11	9.65	9.30	9.46	9.79	9.51	9.61	9.22	8.96	9.07	9.93	9.74	9.82
12	9.75	9.44	9.60	9.77	9.50	9.62	9.36	9.00	9.18	10.17	9.89	10.00
13	9.81	9.37	9.64	9.88	9.53	9.70	9.48	9.13	9.28	10.25	10.01	10.16
14	9.80	9.51	9.65	10.02	9.73	9.85	9.43	9.14	9.24	10.01	9.65	9.84
15	9.72	9.47	9.58	10.13	9.92	10.02	9.32	8.89	9.08	9.74	9.48	9.66
16	9.73	9.36	9.50	10.07	9.84	9.93	9.48	9.29	9.37	9.62	9.44	9.54
17	9.60	9.32	9.46	10.15	9.44	9.78	9.62	9.32	9.42	9.71	9.53	9.62
18	9.59	9.34	9.46	9.73	9.49	9.61	9.33	9.18	9.28	9.73	9.53	9.65
19	9.67	9.36	9.52	9.62	9.14	9.43	9.41	9.18	9.31	9.80	9.57	9.70
20	9.69	9.41	9.55	9.39	9.13	9.26	9.33	9.16	9.25	9.68	9.50	9.60
21	9.60	9.38	9.51	9.33	8.99	9.14	9.29	9.07	9.19	10.03	9.47	9.67
22	9.60	9.42	9.49	9.25	8.99	9.11	9.32	9.09	9.21	9.91	9.68	9.78
23	9.53	9.39	9.46	9.42	8.97	9.14	9.51	9.16	9.32	9.71	9.56	9.64
24	9.77	9.37	9.49	9.25	8.91	9.03	9.60	9.32	9.45	9.77	9.50	9.63
25	9.75	9.42	9.58	9.14	8.87	9.01	9.74	9.40	9.55	9.79	9.55	9.65
26	10.00	9.56	9.71	---	---	---	9.78	9.54	9.66	10.10	9.77	9.93
27	9.96	9.65	9.76	---	---	---	9.76	9.51	9.63	10.13	9.95	10.04
28	9.94	9.66	9.78	9.31	9.01	9.13	9.76	9.60	9.67	10.02	9.41	9.76
29	10.23	9.77	9.93	9.30	9.05	9.17	9.87	9.59	9.68	9.47	9.15	9.30
30	11.84	10.04	10.55	9.34	9.08	9.19	10.28	9.87	10.10	9.37	9.15	9.27
31	---	---	---	9.29	9.02	9.18	10.42	10.19	10.32	---	---	---
MONTH	11.84	8.79	9.55	---	---	---	10.42	8.82	9.32	10.42	9.15	9.76

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1999 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: August 1999 to current year.

pH: August 1999 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance, salinity, pH, dissolved oxygen, turbidity, and water temperature.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for the periods Feb. 16-Apr. 29 when records good.

SALINITY: Record excellent except for the periods Feb. 16-Apr. 29 when records good.

WATER TEMPERATURE: Records good.

pH: Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 15,400 microsiemens/cm, Nov. 14, 15, 2000; minimum, 369 microsiemens/cm, Nov. 29, 2002.

SALINITY: Maximum, 2.6 ppt, May 13, 14, 2003; minimum, 0.2 ppt, on many days.

WATER TEMPERATURE: Maximum, 34.0°C, July 16, 2000; minimum, 4.3°C Jan. 4, 2001.

pH: Maximum recorded, 9.2 units, May 12, 2001; minimum, 5.1 units, Aug. 25, 2000.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 4,920 microsiemens/cm, May 14; minimum, 369 microsiemens/cm, Nov. 29.

SALINITY: Maximum, 2.6 ppt, May 13, 14; minimum, 0.2 ppt, on many days.

WATER TEMPERATURE: Maximum, 31.7°C, July 12; minimum, 6.7°C, Jan. 25.

pH: Maximum, 9.1 units, Mar. 27; minimum, 6.4 units, Aug. 27.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2,170	1,890	2,010	---	---	---	763	580	725	836	534	681
2	2,310	2,140	2,220	---	---	---	743	526	650	972	679	842
3	---	---	---	---	---	---	544	436	491	684	533	600
4	---	---	---	---	---	---	648	450	572	547	519	535
5	---	---	---	---	---	---	668	437	583	558	517	530
6	---	---	---	---	---	---	710	657	689	561	544	553
7	---	---	---	---	---	---	707	667	685	558	521	539
8	---	---	---	---	---	---	678	643	667	558	538	547
9	---	---	---	---	---	---	643	613	631	596	550	567
10	---	---	---	---	---	---	621	559	580	643	569	586
11	---	---	---	---	---	---	612	538	554	669	602	639
12	---	---	---	---	---	---	562	470	535	639	588	609
13	---	---	---	---	---	---	663	446	546	600	584	591
14	---	---	---	---	---	---	663	548	611	610	439	517
15	---	---	---	---	---	---	570	541	558	458	418	440
16	---	---	---	---	---	---	588	565	572	560	437	479
17	---	---	---	---	---	---	573	551	566	650	443	575
18	---	---	---	---	---	---	573	481	535	471	376	416
19	---	---	---	---	---	---	576	472	520	473	384	422
20	---	---	---	656	604	628	578	534	556	587	473	521
21	---	---	---	604	538	564	579	557	575	609	571	593
22	---	---	---	599	546	567	599	545	565	631	543	581
23	---	---	---	600	514	565	599	559	575	668	550	611
24	---	---	---	591	540	567	581	547	570	560	383	457
25	---	---	---	540	519	529	708	561	663	579	491	538
26	---	---	---	534	465	502	681	663	673	572	508	541
27	---	---	---	614	499	562	674	658	665	508	474	490
28	---	---	---	614	384	475	660	598	632	476	459	466
29	---	---	---	469	369	427	618	602	612	463	436	452
30	---	---	---	580	453	496	602	543	570	835	458	608
31	---	---	---	---	---	---	544	512	526	986	528	713
MONTH	---	---	---	---	---	---	763	436	595	986	376	556

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1,020	764	903	1,580	1,310	1,430	765	701	722	688	552	589
2	862	756	800	1,630	1,540	1,590	718	695	704	649	517	546
3	1,170	853	1,000	1,620	1,500	1,550	715	694	704	631	495	548
4	1,170	897	995	1,650	1,400	1,520	710	585	639	677	449	537
5	960	510	660	1,590	1,110	1,400	782	612	698	528	430	478
6	572	496	513	1,390	977	1,180	788	712	753	530	431	504
7	660	509	575	1,160	967	1,030	748	667	709	536	464	492
8	603	474	560	1,140	931	1,070	735	668	691	2,130	519	1,440
9	592	538	565	931	871	890	821	565	752	1,570	805	1,160
10	1,180	569	898	933	780	880	762	464	542	2,090	1,520	1,700
11	1,250	791	1,040	889	725	818	811	652	759	2,220	1,650	1,970
12	1,040	751	894	727	683	708	716	606	684	3,760	1,940	2,880
13	835	777	795	688	669	678	740	625	706	4,920	2,930	4,090
14	922	792	839	721	665	688	705	666	684	4,920	4,050	4,520
15	891	715	831	762	716	732	689	666	677	4,600	3,870	4,360
16	1,270	784	911	899	762	845	682	638	657	4,450	3,460	3,910
17	1,280	1,020	1,220	902	762	847	695	661	675	3,710	2,540	3,290
18	1,190	966	1,090	804	759	773	702	680	694	4,280	2,650	3,450
19	1,210	1,100	1,180	834	804	817	681	652	666	4,280	3,830	4,190
20	1,150	1,030	1,080	818	753	794	682	665	674	4,140	3,960	4,040
21	1,200	1,020	1,090	834	751	795	682	651	665	4,090	3,940	4,000
22	1,780	1,160	1,350	913	828	866	665	629	644	4,220	4,010	4,140
23	1,410	1,140	1,280	902	837	883	641	610	622	4,330	4,200	4,260
24	1,330	1,100	1,260	889	859	877	666	618	644	4,330	3,800	4,140
25	1,290	1,100	1,200	917	888	905	658	506	553	3,840	3,740	3,770
26	1,170	1,100	1,140	919	870	904	579	521	555	3,820	3,730	3,770
27	1,180	1,120	1,140	956	867	898	539	493	517	3,800	3,690	3,730
28	1,310	1,180	1,240	941	915	929	573	522	543	3,700	3,400	3,560
29	---	---	---	984	941	964	566	538	552	3,680	3,460	3,530
30	---	---	---	971	623	874	595	566	579	3,770	3,640	3,690
31	---	---	---	788	691	736	---	---	---	3,850	3,690	3,750
MONTH	1,780	474	966	1,650	623	964	821	464	655	4,920	430	2,810
JUNE			JULY			AUGUST			SEPTEMBER			
1	3,760	3,570	3,670	3,220	2,710	3,040	1,170	1,130	1,140	932	650	830
2	3,740	3,420	3,610	3,310	2,960	3,180	1,150	1,120	1,130	1,160	840	1,010
3	3,550	3,260	3,420	3,240	2,960	3,140	1,130	1,040	1,080	1,270	927	1,090
4	3,350	3,150	3,280	3,210	2,790	3,090	1,070	936	1,030	1,220	960	1,080
5	3,500	3,010	3,290	3,160	2,950	3,050	936	748	836	2,150	1,220	1,500
6	3,520	2,940	3,290	3,010	2,710	2,930	824	730	766	2,150	1,730	1,840
7	3,330	3,100	3,200	2,730	2,490	2,590	814	705	757	1,900	1,760	1,850
8	3,480	3,230	3,410	2,650	2,470	2,560	924	814	875	1,890	1,860	1,880
9	3,300	3,060	3,190	2,640	2,430	2,510	841	681	766	1,970	1,880	1,940
10	3,400	3,190	3,240	2,440	2,190	2,360	684	619	641	2,020	1,960	1,990
11	3,460	3,380	3,430	2,190	2,060	2,120	697	645	669	1,980	1,960	1,970
12	3,490	3,400	3,440	2,160	1,900	2,060	688	567	602	1,980	1,940	1,960
13	3,690	3,470	3,570	2,070	1,990	2,020	662	567	596	2,040	1,950	1,990
14	3,660	3,540	3,580	2,170	2,000	2,100	664	595	636	2,050	1,890	1,980
15	3,760	3,660	3,710	2,180	2,130	2,160	600	471	551	1,980	1,860	1,920
16	3,790	3,660	3,710	2,140	1,960	2,080	484	468	475	2,230	1,980	2,150
17	3,750	3,660	3,710	1,980	1,890	1,950	529	484	509	2,310	2,150	2,260
18	3,740	3,580	3,640	1,940	1,770	1,850	516	483	496	2,350	2,220	2,280
19	3,710	3,570	3,640	1,770	1,680	1,720	494	486	489	2,450	2,300	2,370
20	3,660	3,510	3,580	1,720	1,630	1,690	498	493	495	2,400	2,350	2,370
21	3,610	3,460	3,530	1,630	1,550	1,600	512	492	497	2,440	2,360	2,410
22	3,590	3,360	3,460	1,550	1,410	1,490	504	495	499	2,410	2,290	2,330
23	3,560	3,420	3,470	1,420	1,220	1,340	517	504	508	2,390	2,140	2,260
24	3,560	3,420	3,490	1,230	1,120	1,160	534	513	519	2,260	2,160	2,200
25	3,560	3,230	3,470	1,330	1,120	1,180	546	531	539	2,240	2,130	2,170
26	3,520	3,350	3,460	1,500	1,330	1,420	547	538	543	2,290	2,190	2,220
27	3,580	3,240	3,460	---	---	---	569	543	556	2,420	2,290	2,390
28	3,560	3,200	3,410	1,590	1,410	1,500	570	561	566	2,430	2,170	2,290
29	3,630	3,280	3,450	1,530	1,450	1,490	596	568	569	2,170	1,860	2,020
30	3,550	2,150	3,060	1,450	1,330	1,410	586	522	554	2,000	1,660	1,830
31	---	---	---	1,330	1,170	1,230	650	518	538	---	---	---
MONTH	3,790	2,150	3,460	---	---	---	1,170	468	659	2,450	650	1,950

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1.1	1.0	1.0	---	---	---	0.4	0.3	0.4	0.4	0.3	0.3
2	1.2	1.1	1.1	---	---	---	0.4	0.3	0.3	0.5	0.3	0.4
3	---	---	---	---	---	---	0.3	0.2	0.2	0.3	0.3	0.3
4	---	---	---	---	---	---	0.3	0.2	0.3	0.3	0.3	0.3
5	---	---	---	---	---	---	0.3	0.2	0.3	0.3	0.3	0.3
6	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3
7	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3
8	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3
9	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3
10	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3
11	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3
12	---	---	---	---	---	---	0.3	0.2	0.3	0.3	0.3	0.3
13	---	---	---	---	---	---	0.3	0.2	0.3	0.3	0.3	0.3
14	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.2	0.3
15	---	---	---	---	---	---	0.3	0.3	0.3	0.2	0.2	0.2
16	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.2	0.2
17	---	---	---	---	---	---	0.3	0.3	0.3	0.3	0.2	0.3
18	---	---	---	---	---	---	0.3	0.2	0.3	0.2	0.2	0.2
19	---	---	---	---	---	---	0.3	0.2	0.3	0.2	0.2	0.2
20	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3
21	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
23	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
25	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3
26	---	---	---	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
27	---	---	---	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
28	---	---	---	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
29	---	---	---	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
30	---	---	---	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.3
31	---	---	---	---	---	---	0.3	0.3	0.3	0.5	0.3	0.4
MONTH	---	---	---	---	---	---	0.4	0.2	0.3	0.5	0.2	0.3
FEBRUARY			MARCH			APRIL			MAY			
1	0.5	0.4	0.4	0.8	0.7	0.7	0.4	0.3	0.4	0.3	0.3	0.3
2	0.4	0.4	0.4	0.8	0.8	0.8	0.4	0.3	0.3	0.3	0.3	0.3
3	0.6	0.4	0.5	0.8	0.8	0.8	0.4	0.3	0.3	0.3	0.2	0.3
4	0.6	0.4	0.5	0.8	0.7	0.8	0.3	0.3	0.3	0.3	0.2	0.3
5	0.5	0.3	0.3	0.8	0.5	0.7	0.4	0.3	0.3	0.3	0.2	0.2
6	0.3	0.2	0.3	0.7	0.5	0.6	0.4	0.3	0.4	0.3	0.2	0.2
7	0.3	0.3	0.3	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2
8	0.3	0.2	0.3	0.6	0.5	0.5	0.4	0.3	0.3	1.1	0.3	0.7
9	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.3	0.4	0.8	0.4	0.6
10	0.6	0.3	0.4	0.5	0.4	0.4	0.4	0.2	0.3	1.1	0.8	0.9
11	0.6	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.4	1.1	0.8	1.0
12	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	2.0	1.0	1.5
13	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	2.6	1.5	2.2
14	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	2.6	2.1	2.4
15	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	2.5	2.0	2.3
16	0.6	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	2.4	1.8	2.1
17	0.6	0.5	0.6	0.4	0.4	0.4	0.3	0.3	0.3	2.0	1.3	1.7
18	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	2.3	1.4	1.8
19	0.6	0.5	0.6	0.4	0.4	0.4	0.3	0.3	0.3	2.3	2.0	2.2
20	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	2.2	2.1	2.1
21	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	2.2	2.1	2.1
22	0.9	0.6	0.7	0.4	0.4	0.4	0.3	0.3	0.3	2.2	2.1	2.2
23	0.7	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.3	2.3	2.2	2.3
24	0.7	0.5	0.6	0.4	0.4	0.4	0.3	0.3	0.3	2.3	2.0	2.2
25	0.6	0.5	0.6	0.5	0.4	0.4	0.3	0.2	0.3	2.0	2.0	2.0
26	0.6	0.5	0.6	0.5	0.4	0.4	0.3	0.3	0.3	2.0	2.0	2.0
27	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.3	2.0	1.9	2.0
28	0.7	0.6	0.6	0.5	0.4	0.5	0.3	0.3	0.3	1.9	1.8	1.9
29	---	---	---	0.5	0.5	0.5	0.3	0.3	0.4	1.9	1.8	1.9
30	---	---	---	0.5	0.3	0.4	0.3	0.3	0.3	2.0	1.9	1.9
31	---	---	---	0.4	0.3	0.4	---	---	---	2.0	1.9	2.0
MONTH	0.9	0.2	0.5	0.8	0.3	0.5	0.4	0.2	0.3	2.6	0.2	1.5

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	2.0	1.9	1.9	1.7	1.4	1.6	0.6	0.6	0.6	0.5	0.3	0.4
2	2.0	1.8	1.9	1.7	1.5	1.7	0.6	0.6	0.6	0.6	0.4	0.5
3	1.9	1.7	1.8	1.7	1.5	1.6	0.6	0.5	0.5	0.6	0.5	0.5
4	1.7	1.6	1.7	1.7	1.4	1.6	0.5	0.5	0.5	0.6	0.5	0.5
5	1.8	1.6	1.7	1.6	1.5	1.6	0.5	0.4	0.4	1.1	0.6	0.8
6	1.8	1.5	1.7	1.6	1.4	1.5	0.4	0.4	0.4	1.1	0.9	0.9
7	1.7	1.6	1.7	1.4	1.3	1.3	0.4	0.3	0.4	1.0	0.9	0.9
8	1.8	1.7	1.8	1.4	1.3	1.3	0.5	0.4	0.4	1.0	0.9	0.9
9	1.7	1.6	1.7	1.4	1.2	1.3	0.4	0.3	0.4	1.0	1.0	1.0
10	1.8	1.7	1.7	1.3	1.1	1.2	0.3	0.3	0.3	1.0	1.0	1.0
11	1.8	1.8	1.8	1.1	1.0	1.1	0.3	0.3	0.3	1.0	1.0	1.0
12	1.8	1.8	1.8	1.1	1.0	1.0	0.3	0.3	0.3	1.0	1.0	1.0
13	1.9	1.8	1.9	1.1	1.0	1.0	0.3	0.3	0.3	1.0	1.0	1.0
14	1.9	1.9	1.9	1.1	1.0	1.1	0.3	0.3	0.3	1.0	1.0	1.0
15	2.0	1.9	2.0	1.1	1.1	1.1	0.3	0.2	0.3	1.0	0.9	1.0
16	2.0	1.9	2.0	1.1	1.0	1.1	0.2	0.2	0.2	1.1	1.0	1.1
17	2.0	1.9	1.9	1.0	1.0	1.0	0.3	0.2	0.3	1.2	1.1	1.2
18	2.0	1.9	1.9	1.0	0.9	0.9	0.3	0.2	0.2	1.2	1.1	1.2
19	2.0	1.9	1.9	0.9	0.8	0.9	0.2	0.2	0.2	1.3	1.2	1.2
20	1.9	1.8	1.9	0.9	0.8	0.9	0.2	0.2	0.2	1.2	1.2	1.2
21	1.9	1.8	1.8	0.8	0.8	0.8	0.3	0.2	0.2	1.3	1.2	1.2
22	1.9	1.8	1.8	0.8	0.7	0.7	0.2	0.2	0.2	1.2	1.2	1.2
23	1.9	1.8	1.8	0.7	0.6	0.7	0.3	0.2	0.3	1.2	1.1	1.2
24	1.9	1.8	1.8	0.6	0.6	0.6	0.3	0.3	0.3	1.2	1.1	1.1
25	1.9	1.7	1.8	0.7	0.6	0.6	0.3	0.3	0.3	1.1	1.1	1.1
26	1.8	1.7	1.8	0.8	0.7	0.7	0.3	0.3	0.3	1.2	1.1	1.1
27	1.9	1.7	1.8	---	---	---	0.3	0.3	0.3	1.2	1.2	1.2
28	1.9	1.7	1.8	0.8	0.7	0.7	0.3	0.3	0.3	1.2	1.1	1.2
29	1.9	1.7	1.8	0.8	0.7	0.7	0.3	0.3	0.3	1.1	0.9	1.0
30	1.9	1.1	1.6	0.7	0.7	0.7	0.3	0.3	0.3	1.0	0.8	0.9
31	---	---	---	0.7	0.6	0.6	0.3	0.3	0.3	---	---	---
MONTH	2.0	1.1	1.8	---	---	---	0.6	0.2	0.3	1.3	0.3	1.0

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.8	26.8	27.3	21.8	20.3	21.3	14.1	13.2	13.5	15.0	14.2	14.6
2	27.7	27.2	27.4	20.4	19.5	20.0	14.4	12.8	13.5	14.8	13.7	14.4
3	---	---	---	19.8	19.5	19.7	14.0	13.4	13.7	13.7	12.3	12.8
4	---	---	---	20.2	19.8	20.0	15.0	13.9	14.5	12.7	11.7	12.0
5	---	---	---	20.4	19.5	20.2	14.9	12.7	14.0	12.9	11.6	12.1
6	---	---	---	19.5	18.2	19.0	12.7	11.8	12.2	12.7	12.1	12.4
7	---	---	---	18.7	18.0	18.3	12.1	11.4	11.7	12.3	11.5	11.8
8	---	---	---	19.3	17.9	18.4	12.0	11.2	11.5	12.4	11.2	11.8
9	---	---	---	19.3	18.4	18.9	11.6	11.1	11.4	12.7	11.6	12.2
10	---	---	---	20.6	19.2	20.1	11.5	11.3	11.4	13.3	12.6	12.9
11	---	---	---	20.8	20.3	20.6	11.8	11.0	11.3	12.6	11.1	11.7
12	---	---	---	20.4	18.4	19.7	11.7	11.3	11.5	11.1	9.9	10.4
13	---	---	---	18.6	17.6	18.2	12.2	11.6	11.9	10.0	9.4	9.8
14	---	---	---	19.0	17.4	18.0	12.4	11.6	12.0	10.4	9.4	9.9
15	---	---	---	18.8	17.8	18.3	12.5	11.7	12.0	10.8	9.7	10.1
16	---	---	---	17.9	15.1	16.5	13.4	11.8	12.4	11.0	10.1	10.4
17	---	---	---	15.6	14.7	15.1	13.9	12.4	13.1	10.2	8.7	9.3
18	22.1	21.1	21.6	15.4	14.6	15.2	14.5	13.3	13.9	9.1	8.2	8.7
19	22.6	21.4	22.2	20.6	15.3	16.6	15.6	14.4	15.1	9.9	8.1	8.8
20	22.8	22.2	22.4	16.5	16.0	16.2	15.8	15.2	15.5	10.1	8.8	9.4
21	23.3	22.4	22.8	16.6	15.9	16.2	15.6	14.9	15.3	11.1	10.0	10.5
22	23.4	22.7	23.1	16.2	15.4	15.9	16.6	15.4	15.8	11.6	11.1	11.4
23	23.5	23.0	23.2	15.9	14.7	15.2	16.5	16.0	16.2	11.3	8.3	9.8
24	23.6	23.1	23.4	15.6	14.6	15.1	17.4	16.3	16.9	8.3	7.0	7.5
25	23.5	23.1	23.3	16.5	15.2	15.7	16.3	14.2	15.0	7.9	6.7	7.2
26	23.4	23.2	23.3	16.5	15.6	16.0	14.2	12.9	13.4	7.7	7.4	7.5
27	23.9	23.1	23.7	16.3	14.8	15.6	12.9	12.5	12.6	8.5	7.4	7.9
28	24.8	23.8	24.4	14.8	13.8	14.2	13.6	12.2	12.8	8.9	8.1	8.5
29	24.5	23.8	24.2	14.6	13.4	13.7	13.6	12.6	13.1	10.1	8.9	9.5
30	24.4	23.3	24.0	14.4	13.8	13.9	13.9	13.2	13.5	10.6	10.0	10.3
31	23.3	21.8	22.8	---	---	---	14.7	13.9	14.3	11.0	10.3	10.5
MONTH	---	---	---	21.8	13.4	17.4	17.4	11.0	13.4	15.0	6.7	10.5
FEBRUARY			MARCH			APRIL			MAY			
1	12.6	10.5	11.3	15.6	15.4	15.5	17.6	16.2	17.0	26.8	25.3	26.1
2	12.9	11.4	12.2	15.8	15.3	15.6	17.7	17.0	17.4	27.6	25.9	26.7
3	13.6	12.5	13.1	15.4	14.4	14.9	18.6	17.4	18.0	28.6	26.8	27.7
4	13.7	12.9	13.3	14.6	14.2	14.4	20.8	18.6	19.7	28.5	27.6	28.0
5	13.1	12.2	12.6	15.8	14.6	15.1	22.3	20.5	21.2	28.2	27.3	27.8
6	12.6	12.1	12.4	16.4	15.8	16.1	22.9	21.6	22.2	27.9	27.2	27.6
7	12.5	10.7	11.6	17.5	15.9	16.5	23.1	22.5	22.8	28.1	27.1	27.6
8	11.1	10.2	10.7	17.2	16.9	17.0	22.5	21.1	22.0	28.4	27.4	27.9
9	11.3	10.6	10.9	18.2	17.0	17.5	21.1	17.1	19.1	28.2	27.7	28.0
10	12.1	11.1	11.6	18.9	17.4	17.8	17.1	15.4	16.1	28.5	27.5	28.0
11	13.1	11.5	12.2	18.6	18.0	18.3	17.7	16.1	16.8	28.9	27.8	28.3
12	15.9	12.3	13.0	19.1	18.2	18.6	19.0	16.6	17.2	28.6	27.8	28.1
13	14.3	13.2	13.9	19.6	18.9	19.1	20.6	17.5	18.1	28.0	27.0	27.5
14	15.1	13.9	14.5	20.2	19.0	19.6	23.3	19.1	20.3	27.9	26.6	27.2
15	16.0	14.6	15.3	21.2	19.5	19.8	22.8	20.9	21.8	28.2	27.3	27.6
16	16.0	15.4	15.8	20.3	20.0	20.2	23.1	21.6	22.3	28.4	27.3	27.8
17	15.4	14.2	14.7	21.2	20.0	20.5	24.4	22.4	23.3	28.5	27.5	28.0
18	15.3	13.5	14.0	21.3	20.7	21.0	25.6	23.6	24.6	28.8	27.6	28.0
19	15.3	13.8	14.6	21.9	20.6	21.3	25.1	24.4	24.8	28.6	27.5	27.9
20	15.4	14.4	14.9	21.6	21.0	21.3	25.5	24.4	25.0	28.2	27.4	27.8
21	16.0	15.3	15.5	21.6	20.3	20.8	26.0	24.9	25.4	28.4	27.4	27.7
22	16.0	15.2	15.8	21.6	20.1	20.8	25.6	24.8	25.2	27.5	26.6	27.0
23	15.8	14.7	15.3	21.2	20.6	20.9	25.0	24.3	24.6	27.4	25.9	26.6
24	17.5	15.3	15.8	22.8	20.6	21.2	24.8	24.1	24.4	28.9	26.2	27.1
25	16.4	15.8	16.0	21.2	20.6	20.9	25.9	24.2	24.9	28.8	27.1	27.8
26	16.0	15.7	15.9	21.0	20.4	20.8	26.0	24.5	25.2	29.1	27.4	28.0
27	16.0	15.7	15.8	22.7	20.1	20.8	25.6	24.1	24.6	28.2	27.5	27.9
28	15.7	15.4	15.5	23.0	20.9	21.6	26.6	24.4	25.3	28.4	26.7	27.3
29	---	---	---	22.1	18.7	20.7	25.8	24.9	25.4	28.5	26.4	27.2
30	---	---	---	18.7	16.8	17.6	26.3	25.0	25.6	28.2	26.5	27.1
31	---	---	---	18.4	16.0	16.9	---	---	---	28.3	26.7	27.5
MONTH	17.5	10.2	13.9	23.0	14.2	18.8	26.6	15.4	22.0	29.1	25.3	27.6

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.5	27.4	27.9	28.4	26.6	27.2	30.3	29.6	30.0	29.7	28.6	29.1
2	29.1	27.8	28.4	29.3	27.2	27.9	30.0	29.2	29.7	31.0	29.2	29.9
3	28.9	27.7	28.2	28.8	27.9	28.4	30.2	28.9	29.4	31.0	29.9	30.1
4	28.5	27.7	28.1	28.9	28.1	28.4	31.2	29.1	29.9	30.5	29.7	30.1
5	28.2	27.7	28.0	28.3	27.7	28.0	31.4	29.6	30.3	30.0	29.2	29.6
6	27.9	27.4	27.6	28.2	27.4	27.8	30.4	29.9	30.2	29.4	28.4	28.9
7	28.6	27.2	27.7	28.1	27.6	27.9	30.4	29.5	30.0	29.4	28.4	28.8
8	29.3	28.1	28.7	28.2	27.6	27.9	31.1	29.9	30.4	29.9	28.6	29.0
9	30.4	28.8	29.3	29.5	27.8	28.4	31.3	30.1	30.6	29.2	28.7	28.9
10	30.4	28.9	29.6	30.4	28.8	29.4	31.4	30.0	30.7	29.5	28.4	28.8
11	30.1	29.0	29.5	30.9	29.4	29.8	31.4	30.4	30.8	29.1	28.4	28.8
12	29.2	28.7	29.0	31.7	29.4	30.2	30.6	29.3	29.8	28.7	28.0	28.3
13	29.6	28.4	29.0	30.3	29.8	30.0	29.3	28.6	29.0	28.4	27.7	28.1
14	29.9	28.8	29.4	29.9	29.0	29.3	29.6	28.2	28.9	29.3	28.0	28.5
15	30.3	29.2	29.8	29.9	28.6	29.3	29.5	28.7	29.1	29.0	28.2	28.6
16	30.5	29.3	29.6	31.0	29.3	29.7	29.8	28.9	29.2	28.3	27.3	27.8
17	29.6	29.0	29.3	31.0	29.0	29.8	29.8	29.1	29.3	27.7	27.0	27.4
18	30.8	28.7	29.3	30.6	28.6	29.3	30.4	28.8	29.3	29.1	27.1	27.8
19	30.1	29.3	29.6	30.7	29.2	29.9	30.6	29.2	29.6	28.9	27.8	28.1
20	29.3	28.8	29.0	30.0	29.3	29.6	30.2	29.3	29.6	28.3	27.7	28.0
21	29.4	28.7	28.9	30.5	28.9	29.5	30.3	29.1	29.6	27.7	27.3	27.5
22	30.8	28.8	29.4	31.0	29.1	29.8	30.4	29.2	29.7	27.3	26.8	27.0
23	31.5	29.5	30.2	31.0	28.8	30.0	29.9	29.5	29.6	27.3	26.3	26.8
24	31.4	30.5	31.0	31.0	28.5	29.2	30.5	29.3	29.8	27.5	26.6	27.0
25	31.0	30.5	30.7	31.0	28.7	29.9	30.5	29.8	30.1	27.4	26.6	27.0
26	31.4	30.0	30.6	31.0	29.0	30.1	31.3	29.8	30.4	27.8	26.9	27.3
27	30.5	29.8	30.2	31.0	28.9	30.3	30.9	30.4	30.6	28.1	27.1	27.6
28	30.4	29.5	29.9	31.0	29.0	30.2	30.8	30.1	30.4	27.8	25.9	27.0
29	30.0	29.2	29.7	31.0	29.4	30.2	31.0	30.0	30.5	25.9	23.6	24.5
30	29.2	27.0	28.1	31.0	29.6	30.4	30.4	29.3	29.7	23.6	22.4	22.9
31	---	---	---	31.0	29.7	30.3	29.3	28.8	28.9	---	---	---
MONTH	31.5	27.0	29.2	31.7	26.6	29.3	31.4	28.2	29.8	31.0	22.4	28.0

MISSISSIPPI RIVER DELTA

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.3	7.6	8.0	---	---	---	8.0	7.8	7.9	8.1	8.0	8.0
2	8.2	7.9	8.0	---	---	---	7.9	7.9	7.9	8.1	8.0	8.1
3	---	---	---	---	---	---	7.9	7.8	7.8	8.1	8.0	8.1
4	---	---	---	---	---	---	7.9	7.8	7.8	8.0	7.9	8.0
5	---	---	---	---	---	---	7.9	7.8	7.9	8.0	8.0	8.0
6	---	---	---	---	---	---	8.0	7.9	8.0	8.0	8.0	8.0
7	---	---	---	---	---	---	8.0	7.9	8.0	8.0	7.9	8.0
8	---	---	---	---	---	---	8.0	7.9	7.9	8.0	8.0	8.0
9	---	---	---	---	---	---	7.9	7.9	7.9	8.0	8.0	8.0
10	---	---	---	---	---	---	8.0	7.9	7.9	8.0	8.0	8.0
11	---	---	---	---	---	---	8.0	7.9	7.9	8.1	8.0	8.0
12	---	---	---	---	---	---	7.9	7.9	7.9	8.1	8.0	8.0
13	---	---	---	---	---	---	8.0	7.9	7.9	8.0	7.9	8.0
14	---	---	---	---	---	---	8.0	7.9	8.0	8.0	7.9	8.0
15	---	---	---	---	---	---	8.0	7.9	7.9	8.0	8.0	8.0
16	---	---	---	---	---	---	8.0	7.8	7.9	8.1	7.9	8.0
17	---	---	---	---	---	---	7.9	7.9	7.9	8.1	8.1	8.1
18	---	---	---	---	---	---	7.9	7.9	7.9	8.1	8.0	8.0
19	---	---	---	---	---	---	8.0	7.9	7.9	8.1	8.0	8.0
20	---	---	---	7.9	7.8	7.8	8.0	7.9	8.0	8.1	8.0	8.0
21	---	---	---	7.8	7.8	7.8	8.0	8.0	8.0	8.1	8.0	8.0
22	---	---	---	7.9	7.8	7.8	8.1	7.9	8.0	8.0	7.9	8.0
23	---	---	---	7.9	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.1
24	---	---	---	7.9	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.1
25	---	---	---	7.9	7.9	7.9	8.1	8.0	8.0	8.1	8.0	8.1
26	---	---	---	7.9	7.8	7.8	8.1	8.0	8.1	8.1	8.0	8.1
27	---	---	---	7.9	7.8	7.8	8.1	8.0	8.0	8.1	8.0	8.0
28	---	---	---	7.9	7.8	7.9	8.0	8.0	8.0	8.1	8.0	8.0
29	---	---	---	7.9	7.8	7.8	8.0	8.0	8.0	8.1	7.9	8.0
30	---	---	---	7.9	7.8	7.8	8.0	8.0	8.0	8.0	7.9	8.0
31	---	---	---	---	---	---	8.0	8.0	8.0	8.1	7.8	8.0
MONTH	---	---	---	---	---	---	8.1	7.8	7.9	8.1	7.8	8.0
FEBRUARY			MARCH			APRIL			MAY			
1	8.1	7.9	8.0	8.1	7.9	8.0	8.2	8.0	8.1	8.0	7.6	7.8
2	8.1	7.9	8.0	8.1	8.0	8.1	8.1	7.8	8.0	7.8	7.5	7.7
3	8.1	7.9	8.0	8.2	8.1	8.2	8.1	7.8	8.0	8.1	7.4	7.7
4	8.1	8.0	8.1	8.2	8.0	8.1	8.1	7.8	8.0	8.2	7.5	7.9
5	8.1	7.9	8.1	8.2	7.8	8.1	8.4	7.7	8.0	7.8	7.4	7.6
6	8.1	8.0	8.1	8.2	8.0	8.1	8.1	7.9	8.0	7.7	7.4	7.6
7	8.1	8.1	8.1	8.2	8.0	8.1	7.9	7.8	7.9	7.7	7.5	7.6
8	8.1	8.0	8.1	8.1	7.8	8.0	8.0	7.8	7.9	7.8	7.5	7.7
9	8.1	8.0	8.0	8.1	7.8	8.0	8.1	8.0	8.0	7.8	7.6	7.7
10	8.1	7.8	8.0	8.1	7.8	8.0	8.0	7.9	8.0	7.9	7.6	7.7
11	8.0	7.8	7.9	8.2	8.0	8.1	8.0	7.7	7.9	8.1	7.7	7.8
12	8.1	7.9	8.0	8.1	7.8	8.0	8.1	7.7	7.9	8.2	7.6	7.9
13	8.1	7.8	8.0	8.1	8.0	8.1	8.5	7.6	7.9	8.2	7.7	8.0
14	8.1	7.9	8.0	8.1	7.9	8.0	8.8	7.8	8.3	8.0	7.6	7.7
15	8.1	7.9	8.0	8.2	7.9	8.0	8.9	7.8	8.4	8.0	7.7	7.8
16	8.0	7.9	8.0	8.2	8.0	8.1	8.8	8.3	8.6	7.8	7.7	7.8
17	8.0	7.8	7.9	8.2	8.0	8.1	8.5	8.3	8.4	7.8	7.6	7.7
18	8.1	7.7	7.9	8.2	7.8	8.1	8.5	7.6	8.1	7.8	7.1	7.5
19	8.0	7.7	7.9	8.3	8.0	8.1	8.4	7.5	8.1	7.8	7.1	7.4
20	8.1	7.7	8.0	8.3	8.1	8.2	8.1	7.6	8.0	7.8	7.1	7.5
21	8.1	8.0	8.1	8.3	8.1	8.2	8.3	7.5	8.0	7.8	7.3	7.5
22	8.1	7.8	8.1	8.6	7.9	8.2	8.4	7.7	8.0	7.8	7.5	7.7
23	8.1	7.4	7.9	8.5	8.0	8.3	8.6	7.8	8.2	8.0	7.4	7.7
24	8.0	7.3	7.7	8.9	8.2	8.6	8.0	7.7	7.9	8.0	7.4	7.7
25	8.1	7.4	7.9	8.9	8.5	8.7	8.3	7.8	8.0	7.9	7.5	7.7
26	8.1	7.7	8.0	8.9	8.4	8.7	7.8	7.4	7.6	7.9	7.4	7.6
27	8.1	8.0	8.1	9.1	8.6	8.8	7.7	7.1	7.4	7.8	7.2	7.6
28	8.1	7.8	8.0	8.9	8.7	8.8	8.2	7.0	7.5	8.0	7.4	7.7
29	---	---	---	8.8	8.2	8.4	8.0	7.1	7.5	8.0	7.6	7.8
30	---	---	---	8.2	8.0	8.1	8.1	7.5	7.8	7.9	7.6	7.7
31	---	---	---	8.2	8.0	8.1	---	---	---	7.8	7.6	7.7
MONTH	8.1	7.3	8.0	9.1	7.8	8.2	8.9	7.0	8.0	8.2	7.1	7.7

073802375 LAKE SALVADOR NEAR LAFITTE, LA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.0	7.5	7.6	7.3	7.1	7.2	7.8	7.3	7.5	7.2	6.6	6.9
2	7.8	7.5	7.6	7.8	6.6	7.2	7.6	7.4	7.4	7.5	6.8	7.0
3	7.8	7.4	7.6	7.8	6.9	7.4	7.8	7.2	7.5	7.4	7.0	7.2
4	7.7	7.3	7.5	7.6	6.9	7.2	8.0	7.2	7.5	7.6	7.0	7.2
5	7.7	7.3	7.6	7.4	6.8	7.1	7.9	7.0	7.4	7.3	7.0	7.2
6	7.8	7.5	7.6	7.4	6.7	7.0	7.3	7.0	7.2	7.2	7.0	7.0
7	8.1	7.6	7.8	7.3	6.6	6.9	7.4	7.2	7.3	7.2	6.8	7.0
8	8.2	7.8	8.1	7.2	6.6	6.8	7.4	7.0	7.2	7.2	6.8	6.9
9	8.1	7.6	8.0	7.6	6.7	7.1	7.6	7.0	7.2	7.0	6.8	6.9
10	7.7	7.4	7.6	7.6	6.7	7.1	7.6	6.9	7.2	7.2	6.8	7.0
11	7.6	7.3	7.5	7.5	6.6	7.0	7.6	6.8	7.1	7.2	6.9	7.0
12	7.6	7.2	7.5	7.4	6.5	6.9	7.1	6.7	6.9	7.2	7.0	7.1
13	8.0	7.2	7.5	7.2	6.6	7.0	7.1	6.8	6.9	7.3	7.0	7.1
14	7.8	7.4	7.6	7.0	6.6	7.0	7.5	6.7	7.0	7.3	6.9	7.1
15	7.7	7.2	7.4	7.4	6.6	7.0	7.4	6.8	7.2	7.4	7.0	7.2
16	7.7	7.2	7.3	7.3	6.5	6.7	7.4	6.7	6.9	7.3	7.1	7.2
17	7.5	7.2	7.3	7.2	6.7	7.0	7.3	6.6	6.9	7.2	7.0	7.1
18	8.6	7.2	7.6	7.9	6.5	7.0	7.8	6.7	7.0	7.3	7.0	7.1
19	8.0	7.5	7.7	7.8	6.9	7.3	7.5	6.8	7.1	7.3	7.0	7.2
20	7.9	7.2	7.5	7.2	6.8	7.1	7.3	6.9	7.0	7.2	7.0	7.1
21	8.0	7.3	7.6	7.4	7.0	7.2	7.2	6.7	6.9	7.2	7.0	7.1
22	8.1	7.3	7.6	7.6	7.1	7.4	7.1	6.7	6.9	7.4	7.1	7.2
23	8.0	7.3	7.6	7.6	7.4	7.5	6.9	6.7	6.8	7.5	7.2	7.3
24	7.8	7.3	7.5	7.7	7.4	7.6	7.2	6.6	6.8	7.4	7.2	7.3
25	7.6	7.2	7.3	8.2	7.4	7.6	7.0	6.7	6.8	7.5	7.2	7.3
26	7.7	7.1	7.4	7.8	7.4	7.6	7.3	6.5	6.8	7.4	7.2	7.3
27	7.4	7.2	7.3	7.6	7.3	7.4	7.0	6.4	6.7	7.4	7.1	7.2
28	7.4	7.1	7.2	7.6	7.3	7.4	6.9	6.5	6.7	7.5	7.3	7.4
29	7.3	7.1	7.2	7.5	7.3	7.4	7.0	6.6	6.8	7.6	7.4	7.5
30	7.5	7.2	7.3	7.8	7.3	7.5	6.9	6.7	6.8	7.7	7.4	7.5
31	---	---	---	7.7	7.4	7.5	7.0	6.7	6.9	---	---	---
MONTH	8.6	7.1	7.5	8.2	6.5	7.2	8.0	6.4	7.0	7.7	6.6	7.2

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA

LOCATION.--Lat 29°25'23", long 89°57'02", Plaquemines Parish, Hydrologic Unit 08090301, on a two-tier wellhead platform 10.7 mi northeast of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Stage affected by wind and tide. Prior to December 1, 1993, at platform near present site, datum of gage was NGVD of 1929. From Dec. 2, 1993, to Sept. 30, 1995, datum of gage was 7.06 ft below NGVD of 1929. Satellite telemetry with wind speed and direction at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 5.43 ft, June 30, 2003; minimum elevation recorded, -3.24 ft, revised, Feb. 8, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.43 ft, June 30; minimum elevation, -0.62 ft, Jan. 17.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.49	1.57	2.07	1.79	1.13	1.51	1.36	0.06	0.69	2.13	0.34	1.25
2	---	---	---	1.80	1.33	1.62	1.65	0.26	0.95	1.98	0.48	1.03
3	---	---	---	2.36	1.72	2.03	1.87	0.23	1.03	1.42	-0.37	0.42
4	---	---	---	2.60	1.21	1.85	2.01	0.43	1.21	1.81	0.00	0.85
5	---	---	---	2.80	1.88	2.32	1.88	-0.28	0.60	1.81	0.23	0.98
6	---	---	---	2.31	0.32	1.10	1.49	-0.18	0.62	1.72	0.34	0.98
7	---	---	---	2.01	0.37	1.13	1.50	-0.04	0.69	1.24	0.20	0.67
8	---	---	---	2.16	0.39	1.24	1.33	0.00	0.64	1.07	0.39	0.75
9	3.16	1.66	2.32	2.45	0.88	1.62	1.50	0.35	0.87	1.57	0.96	1.20
10	3.27	1.74	2.45	2.55	1.27	1.89	1.62	0.49	1.03	1.54	0.65	1.03
11	3.04	1.36	2.14	2.57	1.28	1.90	1.56	0.84	1.19	1.18	0.20	0.72
12	2.89	1.22	2.03	2.01	0.21	0.93	1.64	0.81	1.06	1.15	0.30	0.75
13	2.45	1.14	1.71	1.27	0.33	0.74	1.77	0.46	1.09	1.58	0.60	1.05
14	2.07	1.36	1.72	1.55	1.14	1.30	1.09	0.24	0.63	1.74	0.09	0.90
15	2.41	1.32	1.91	1.66	1.03	1.51	1.29	0.34	0.81	1.59	0.18	0.92
16	2.09	1.53	1.81	1.03	0.28	0.73	1.48	0.23	0.84	1.72	0.33	0.98
17	2.16	1.51	1.87	1.18	0.28	0.72	1.94	0.35	1.10	1.26	-0.62	0.19
18	2.18	1.58	1.86	1.39	0.47	0.90	2.10	0.63	1.32	1.47	0.06	0.75
19	2.26	2.03	2.13	1.46	0.15	0.80	2.78	0.88	1.60	1.63	-0.27	0.59
20	2.23	1.66	1.94	2.00	0.23	1.07	1.70	-0.03	0.71	1.66	0.02	0.78
21	2.18	1.53	1.87	1.80	0.18	0.92	1.76	0.19	0.89	1.60	0.40	1.00
22	2.38	1.26	1.81	1.57	0.00	0.69	1.76	0.06	0.83	1.66	0.47	0.96
23	2.46	1.52	2.02	1.61	0.01	0.72	2.48	0.47	1.27	0.47	-0.56	-0.16
24	2.52	1.25	1.85	1.68	0.14	0.87	2.57	0.72	1.44	0.69	-0.02	0.33
25	2.65	1.46	2.04	1.78	0.45	1.14	0.86	-0.23	0.29	0.98	0.14	0.57
26	2.68	1.23	1.95	1.84	0.51	1.16	0.66	0.15	0.44	1.50	0.07	0.82
27	2.74	1.41	2.07	1.56	0.16	0.72	0.79	0.36	0.51	1.50	-0.04	0.74
28	2.88	1.50	2.13	0.97	0.16	0.59	1.09	0.27	0.65	1.75	0.19	0.97
29	2.71	1.43	2.15	1.36	0.72	0.95	1.47	0.16	0.85	1.99	0.31	1.14
30	2.54	1.26	1.85	1.30	0.72	1.04	2.25	0.37	1.26	1.93	0.30	1.07
31	1.96	1.13	1.56	---	---	---	2.28	0.97	1.66	1.78	0.30	1.01
MONTH	---	---	---	2.80	0.00	1.19	2.78	-0.28	0.93	2.13	-0.62	0.81

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.65	0.17	0.86	1.85	0.70	1.27	0.79	0.54	0.66	2.03	0.81	1.50
2	1.74	0.38	1.00	1.81	0.64	1.11	1.14	0.72	0.90	1.82	0.72	1.30
3	1.88	0.73	1.29	1.55	0.88	1.20	1.53	0.92	1.22	1.86	0.47	1.25
4	1.86	0.40	0.95	1.83	1.30	1.53	1.75	0.93	1.35	2.11	0.44	1.43
5	1.35	0.58	0.91	1.79	1.42	1.62	1.85	0.84	1.40	2.91	1.36	2.07
6	1.54	1.05	1.37	1.66	1.02	1.42	2.26	0.84	1.64	2.84	1.46	1.99
7	1.10	0.25	0.55	1.56	0.93	1.25	2.22	0.90	1.57	2.48	1.24	1.91
8	1.22	0.20	0.75	1.96	0.97	1.48	2.12	0.54	1.39	2.24	1.08	1.69
9	1.85	0.74	1.35	1.69	0.85	1.33	1.13	-0.32	0.41	2.07	1.30	1.72
10	1.44	0.68	1.08	1.80	0.68	1.23	1.00	-0.54	0.22	2.18	1.39	1.85
11	1.76	0.20	0.99	1.88	0.58	1.26	1.38	-0.12	0.66	---	---	---
12	1.31	0.57	0.98	2.01	0.82	1.41	1.36	-0.07	0.67	---	---	---
13	1.79	0.40	1.10	1.82	0.62	1.27	1.24	0.23	0.79	---	---	---
14	2.27	0.45	1.28	1.95	0.66	1.30	1.05	0.33	0.67	---	---	---
15	2.32	0.84	1.54	2.03	0.76	1.42	1.14	0.52	0.75	---	---	---
16	2.31	0.79	1.29	2.25	1.12	1.70	1.69	0.82	1.28	---	---	---
17	1.49	0.11	0.74	2.25	1.19	1.71	1.75	0.48	1.26	---	---	---
18	1.48	0.25	0.80	2.40	1.49	1.87	1.77	0.35	1.10	---	---	---
19	1.44	0.75	1.02	2.40	1.49	1.96	2.00	0.33	1.32	---	---	---
20	1.23	0.97	1.08	2.09	1.21	1.74	2.18	0.55	1.35	---	---	---
21	2.15	1.13	1.77	1.68	0.42	1.22	1.77	0.41	1.12	---	---	---
22	2.15	0.44	1.49	1.73	0.38	1.08	1.80	0.25	1.07	1.64	0.61	1.17
23	1.95	0.32	1.23	1.63	0.23	0.97	1.90	0.31	1.18	1.45	0.58	1.07
24	1.68	0.49	1.12	1.72	0.23	1.05	2.20	1.04	1.64	1.64	1.02	1.36
25	1.73	0.17	0.99	1.95	0.36	1.21	1.68	1.25	1.52	1.55	1.22	1.40
26	2.30	0.50	1.42	1.98	0.51	1.27	1.35	0.67	1.10	1.67	0.88	1.35
27	1.98	0.65	1.35	2.14	0.77	1.50	1.31	0.86	1.12	1.60	0.57	1.16
28	1.86	0.42	1.09	2.01	0.98	1.50	1.42	1.09	1.26	1.52	0.68	1.10
29	---	---	---	1.71	-0.02	0.66	1.66	1.17	1.40	1.70	0.59	1.16
30	---	---	---	---	---	---	1.86	1.08	1.51	1.81	0.49	1.17
31	---	---	---	0.76	0.15	0.42	---	---	---	1.90	0.38	1.19
MONTH	2.32	0.11	1.12	---	---	---	2.26	-0.54	1.12	---	---	---
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.75	0.38	1.07	---	---	---	1.62	0.57	1.18	2.69	1.80	2.22
2	2.01	0.39	1.25	---	---	---	1.47	0.84	1.19	2.72	1.45	2.08
3	2.33	0.68	1.54	---	---	---	1.30	1.10	1.23	2.64	1.27	1.97
4	---	---	---	---	---	---	1.50	0.93	1.22	2.67	1.20	1.92
5	---	---	---	---	---	---	1.70	0.71	1.22	2.55	1.17	1.91
6	---	---	---	---	---	---	1.80	0.48	1.15	2.61	1.22	1.92
7	---	---	---	---	---	---	1.79	0.29	1.07	2.66	1.26	1.99
8	---	---	---	---	---	---	1.86	0.23	1.11	2.65	1.36	2.02
9	---	---	---	2.09	0.92	1.54	2.19	0.53	1.38	2.67	1.49	2.10
10	1.73	0.90	1.32	2.12	0.66	1.45	2.12	0.58	1.39	2.25	1.49	1.89
11	---	---	---	2.28	0.56	1.46	2.09	0.63	1.37	2.17	1.69	1.96
12	---	---	---	2.35	0.79	1.52	2.27	0.72	1.56	2.36	2.02	2.23
13	---	---	---	2.77	0.91	1.85	2.11	0.85	1.46	2.50	1.88	2.14
14	---	---	---	3.00	0.92	2.05	1.64	0.84	1.24	2.15	1.51	1.82
15	---	---	---	2.70	1.11	1.97	2.06	0.78	1.47	2.19	1.32	1.72
16	---	---	---	2.24	0.98	1.66	1.77	1.49	1.68	2.21	1.50	1.85
17	---	---	---	2.16	0.91	1.44	1.83	1.30	1.54	2.33	1.40	1.86
18	---	---	---	1.73	0.98	1.38	1.76	1.11	1.39	2.39	1.35	1.86
19	---	---	---	1.45	1.14	1.32	2.04	0.94	1.49	2.52	1.18	1.86
20	---	---	---	1.33	0.98	1.16	1.81	0.89	1.37	2.20	1.07	1.70
21	---	---	---	1.32	0.91	1.13	1.89	0.87	1.40	2.63	1.33	2.06
22	---	---	---	1.55	0.65	1.09	2.14	1.00	1.58	2.79	1.23	2.03
23	---	---	---	1.57	0.46	1.07	2.47	1.19	1.82	2.20	1.30	1.76
24	---	---	---	1.77	0.30	0.99	2.44	1.15	1.83	2.59	1.58	2.06
25	2.24	1.15	1.71	1.70	0.32	1.04	2.58	1.31	1.95	2.56	1.69	2.14
26	2.35	1.22	1.80	1.88	0.37	1.16	2.43	1.15	1.81	2.59	2.23	2.41
27	2.46	1.06	1.82	1.86	0.45	1.17	2.49	1.23	1.87	2.52	1.95	2.27
28	2.56	1.25	1.91	1.96	0.48	1.27	2.25	1.28	1.80	2.38	1.13	1.69
29	2.73	1.33	2.13	2.07	0.53	1.33	2.45	1.45	2.09	2.19	1.01	1.52
30	---	---	---	1.94	0.49	1.28	2.76	2.24	2.47	2.28	0.95	1.59
31	---	---	---	1.85	0.49	1.23	2.64	2.38	2.46	---	---	---
MONTH	---	---	---	---	---	---	2.76	0.23	1.54	2.79	0.95	1.95

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

SALINITY: Oct. 2002 to September 2003.

WATER TEMPERATURE: July 1992 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Nov.29-Dec. 15, Jan. 30-Mar. 4, May 3-28, June 27-30, and July 14-23 when records good; Dec. 16-28, Mar. 5-28, May 29-June 2, July 1-2, and July 24-31 when records fair; Dec. 29-Jan. 15, Mar. 29-Apr. 16, June 3-9, July 3-8, and Aug 1-13 when records poor.

SALINITY: Records excellent except for Nov.29-Dec. 15, Jan. 30-Mar. 4, May 3-28, June 27-30, and July 14-23 when records good; Dec. 16-28, Mar. 5-28, May 29-June 2, July 1-2, and July 24-31 when records fair; Dec. 29-Jan. 15, Mar. 29-Apr. 16, June 3-9, July 3-8, and Aug 1-13 when records poor.

WATER TEMPERATURE: Records good except for Dec. 27-Jan. 15 when records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 49,600 microsiemens/cm, Dec. 4, 1999; minimum, 845 microsiemens/cm, July 3, 1997.

SALINITY: Maximum, 27.0 ppt, Dec.17, 18, 2002; Minimum, 0.6 ppt, Nov. 17, 2002.

WATER TEMPERATURE: Maximum, 34.7°C, Jul. 17, 2002; minimum, 2.9°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 42,100 microsiemens/cm, Dec. 17, 18; minimum, 1,180 microsiemens/cm, Nov. 17.

SALINITY: Maximum, 27.0 ppt, Dec. 17, 18; minimum, 0.6 ppt, Nov. 17.

WATER TEMPERATURE: Maximum, 31.4°C, Aug. 27; minimum, 10.8°C, Jan. 19.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11,800	9,510	10,600	9,830	2,860	4,790	34,600	15,000	26,300	34,300	14,500	20,300
2	21,300	9,630	13,700	11,400	3,060	5,770	28,100	21,000	25,500	20,500	11,700	15,800
3	---	---	---	23,900	11,400	17,600	31,500	19,600	26,200	12,200	11,800	12,000
4	---	---	---	26,200	14,500	22,800	32,500	23,500	28,200	12,500	12,100	12,200
5	---	---	---	27,800	21,100	23,900	32,900	13,000	20,400	14,000	12,400	13,000
6	---	---	---	24,100	3,870	8,880	25,200	7,420	17,200	15,500	14,000	14,800
7	---	---	---	10,800	2,590	4,770	33,200	19,700	30,400	18,100	15,500	17,400
8	---	---	---	11,800	2,560	6,860	30,400	25,100	28,500	18,400	17,900	18,200
9	16,200	8,140	11,500	19,000	4,400	11,400	28,600	16,000	22,600	17,900	17,300	17,500
10	18,100	8,050	13,300	18,500	8,530	15,400	36,600	26,900	32,000	17,500	17,300	17,400
11	19,200	6,040	12,700	19,600	9,340	15,100	41,400	36,600	40,200	21,800	17,500	20,500
12	18,500	7,450	15,900	10,400	1,860	4,890	41,300	31,900	38,500	22,000	21,600	21,800
13	17,300	4,210	10,000	4,920	1,580	2,320	36,000	19,900	30,000	21,600	20,900	21,400
14	6,990	4,040	4,830	19,200	4,830	13,900	25,400	13,200	19,000	20,900	19,900	20,600
15	28,300	4,210	18,800	26,900	18,000	19,100	33,500	25,400	30,000	25,000	19,800	21,100
16	33,000	16,000	25,300	34,400	1,500	20,100	34,600	27,800	32,800	28,200	24,800	27,100
17	26,800	22,900	24,700	15,100	1,180	3,050	42,100	24,600	35,400	25,700	18,900	22,600
18	25,600	22,500	24,400	17,300	12,000	15,300	42,100	29,900	36,600	22,400	19,400	21,300
19	23,600	18,500	22,400	19,700	5,940	11,600	42,000	29,700	37,400	22,300	21,500	21,900
20	26,300	22,200	24,200	26,100	16,800	21,000	41,400	17,900	25,100	23,300	22,300	22,700
21	33,800	24,900	28,700	26,900	14,900	23,900	20,500	18,400	19,900	24,500	23,300	24,100
22	33,800	30,400	32,400	24,000	6,640	14,300	33,500	17,900	29,100	26,200	24,200	25,100
23	31,100	16,600	23,900	20,700	6,810	16,600	38,000	25,100	30,700	25,900	14,600	19,600
24	23,200	14,600	19,000	19,900	8,780	15,300	41,000	20,800	32,600	24,500	13,700	18,300
25	20,800	13,800	17,300	23,800	12,200	19,800	20,800	9,920	13,000	27,400	23,800	25,800
26	23,200	9,210	16,600	26,900	16,600	24,300	26,400	12,000	22,500	29,500	27,400	28,600
27	23,300	11,800	17,300	29,100	5,750	15,300	21,000	20,700	20,900	32,000	29,400	31,000
28	25,600	11,800	18,100	20,700	5,290	12,700	21,500	21,000	21,200	31,900	30,600	31,200
29	20,200	12,300	15,700	30,100	18,700	25,600	26,700	21,500	22,300	33,100	31,500	31,800
30	16,900	5,590	11,400	34,800	30,100	33,100	27,000	25,000	26,500	33,600	32,800	33,300
31	11,900	3,150	7,140	---	---	---	36,400	24,100	28,800	33,800	32,800	33,400
MONTH	---	---	---	34,800	1,180	15,000	42,100	7,420	27,400	34,300	11,700	22,000

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	32,800	31,800	32,300	33,000	33,000	33,000	27,600	27,500	27,600	26,600	26,200	26,400
2	31,900	31,500	31,700	33,000	32,700	32,900	27,500	27,300	27,400	26,500	26,100	26,300
3	31,600	31,500	31,600	32,700	32,300	32,400	27,300	27,100	27,200	26,900	25,900	26,600
4	31,600	30,000	31,000	32,400	32,200	32,300	27,100	27,000	27,000	27,500	26,700	27,100
5	30,100	29,100	29,500	32,300	32,300	32,300	27,000	26,800	26,900	26,900	26,400	26,700
6	31,300	29,400	30,000	32,300	32,300	32,300	26,800	26,700	26,700	26,800	26,200	26,600
7	31,300	26,900	29,100	32,300	32,200	32,200	26,700	26,600	26,600	27,600	26,200	27,400
8	28,500	26,400	27,500	32,400	32,200	32,300	26,600	26,500	26,500	27,600	27,200	27,500
9	32,000	28,500	30,400	32,400	32,400	32,400	26,500	26,100	26,300	27,600	27,400	27,500
10	34,500	32,000	33,000	32,400	32,400	32,400	26,100	25,800	25,900	27,600	27,400	27,500
11	35,300	34,500	35,000	32,400	32,400	32,400	25,900	25,700	25,900	---	---	---
12	35,400	35,300	35,300	32,500	32,400	32,400	25,700	25,400	25,500	---	---	---
13	35,400	35,300	35,300	32,500	32,400	32,500	25,600	25,300	25,400	---	---	---
14	35,400	35,100	35,300	32,500	32,500	32,500	26,700	25,600	26,000	---	---	---
15	35,100	34,800	34,900	32,600	32,500	32,500	27,400	26,700	27,100	---	---	---
16	34,800	34,700	34,700	32,600	32,500	32,600	27,800	26,900	27,400	---	---	---
17	34,700	34,300	34,500	32,600	32,600	32,600	27,500	26,800	27,000	---	---	---
18	34,400	34,200	34,300	32,600	32,600	32,600	26,800	26,700	26,700	---	---	---
19	34,200	34,200	34,200	32,600	32,600	32,600	26,800	26,700	26,800	---	---	---
20	34,200	34,100	34,200	32,600	32,600	32,600	28,300	26,700	27,100	---	---	---
21	34,500	34,200	34,300	32,600	32,600	32,600	28,300	28,000	28,100	---	---	---
22	35,900	34,500	35,200	32,600	32,500	32,500	28,000	27,400	27,700	24,200	23,800	24,000
23	35,000	34,100	34,600	32,600	32,500	32,500	27,700	27,300	27,600	24,400	23,700	24,100
24	34,100	33,200	33,700	32,600	32,500	32,500	27,800	27,300	27,600	24,500	22,600	23,400
25	33,200	33,100	33,200	32,600	32,500	32,500	27,900	27,300	27,700	24,500	23,600	24,100
26	33,100	33,100	33,100	32,500	32,400	32,400	27,700	27,600	27,700	23,900	21,100	22,800
27	33,100	33,000	33,000	32,400	32,200	32,300	27,600	27,400	27,500	23,200	22,400	22,700
28	33,000	33,000	33,000	32,200	32,000	32,100	27,500	27,400	27,400	23,900	21,600	22,600
29	---	---	---	32,000	27,300	29,100	27,500	26,900	27,300	23,900	22,500	23,100
30	---	---	---	---	---	---	27,100	26,200	26,800	24,100	22,600	23,500
31	---	---	---	27,700	27,600	27,700	---	---	---	24,600	22,800	23,000
MONTH	35,900	26,400	33,000	---	---	---	28,300	25,300	26,900	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25,100	23,300	24,400	---	---	---	16,300	10,700	13,600	25,900	24,000	25,100
2	25,900	23,300	24,400	---	---	---	15,000	11,500	13,600	25,300	23,200	24,400
3	26,700	22,900	24,900	---	---	---	15,800	12,800	14,600	25,100	21,400	23,700
4	---	---	---	---	---	---	15,000	12,500	14,000	25,200	20,500	23,000
5	---	---	---	---	---	---	16,400	8,100	13,000	24,600	20,000	22,600
6	---	---	---	---	---	---	15,000	7,030	11,000	26,500	20,000	24,100
7	---	---	---	---	---	---	17,600	4,530	11,700	25,100	21,900	24,000
8	---	---	---	---	---	---	18,100	4,680	12,200	24,800	21,900	23,800
9	---	---	---	5,170	4,230	4,600	38,700	17,900	30,700	25,300	21,700	24,000
10	16,900	16,500	16,800	5,130	3,780	4,530	38,500	20,600	35,100	23,900	21,900	22,900
11	---	---	---	5,040	3,750	4,450	34,700	24,400	30,000	23,900	21,600	22,600
12	---	---	---	4,980	3,910	4,450	28,100	22,500	26,000	26,000	23,500	24,900
13	---	---	---	8,880	3,970	5,480	28,500	20,600	24,300	27,100	24,300	25,600
14	---	---	---	14,200	4,390	8,750	25,800	19,000	23,400	24,600	21,100	22,600
15	---	---	---	15,800	6,240	10,500	27,700	15,500	21,200	23,200	19,300	20,800
16	---	---	---	12,200	5,180	8,100	28,400	26,300	27,600	21,600	19,000	20,000
17	---	---	---	12,600	4,210	7,240	29,800	28,200	29,200	21,900	19,900	21,000
18	---	---	---	7,940	3,850	5,270	29,000	26,700	28,100	22,900	18,900	21,200
19	---	---	---	4,530	3,590	3,960	27,300	19,400	24,800	25,300	19,100	22,300
20	---	---	---	3,590	3,090	3,360	25,500	18,100	23,500	22,500	18,700	20,200
21	---	---	---	3,960	3,010	3,320	26,000	19,600	24,900	25,800	19,200	22,700
22	---	---	---	4,830	3,040	3,750	25,200	19,100	22,800	28,000	18,800	23,900
23	---	---	---	5,610	3,040	3,830	25,900	19,500	23,600	22,900	18,800	20,900
24	---	---	---	16,000	2,990	5,420	27,700	21,700	25,300	25,000	20,900	23,100
25	11,300	9,190	9,760	26,100	16,000	21,700	28,600	21,700	25,700	25,500	20,900	23,600
26	11,300	9,270	10,400	30,900	7,580	23,500	28,400	23,300	26,400	27,600	24,100	26,300
27	11,700	10,300	11,100	29,700	24,500	28,000	27,000	22,600	24,600	29,300	26,500	28,100
28	11,300	10,200	10,700	28,600	12,400	24,000	25,700	22,300	24,000	29,400	20,800	23,800
29	12,000	11,000	11,300	24,900	14,300	22,100	27,800	22,200	24,400	23,500	17,300	20,200
30	13,600	10,300	12,100	20,400	13,600	17,700	27,700	25,900	26,700	23,500	18,100	20,300
31	---	---	---	19,400	11,700	15,600	25,900	24,800	25,400	---	---	---
MONTH	---	---	---	---	---	---	38,700	4,530	22,600	29,400	17,300	23,100

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.7	5.3	6.0	5.5	1.5	2.6	21.8	8.7	16.1	21.5	8.4	12.2
2	12.8	5.4	7.9	6.5	1.6	3.2	17.3	12.6	15.5	12.2	6.6	9.2
3	---	---	---	14.5	6.5	10.4	19.6	11.7	16.0	7.0	6.7	6.9
4	---	---	---	16.0	8.4	13.7	20.3	14.2	17.4	7.2	6.9	7.0
5	---	---	---	17.1	12.6	14.5	20.6	7.5	12.2	8.1	7.1	7.5
6	---	---	---	14.6	2.0	5.0	15.3	4.1	10.2	9.0	8.1	8.6
7	---	---	---	6.1	1.3	2.6	20.7	11.7	18.9	10.7	9.0	10.2
8	---	---	---	6.7	1.3	3.8	18.9	15.3	17.5	10.9	10.5	10.7
9	9.4	4.5	6.5	11.3	2.3	6.6	17.6	9.3	13.6	10.5	10.2	10.3
10	10.7	4.5	7.7	10.9	4.7	9.0	23.1	16.4	19.9	10.3	10.2	10.2
11	11.4	3.3	7.3	11.7	5.2	8.8	26.5	23.1	25.7	13.1	10.3	12.2
12	10.9	4.1	9.3	5.9	0.9	2.6	26.5	19.9	24.4	13.2	13.0	13.1
13	10.2	2.2	5.7	2.6	0.8	1.2	22.7	11.8	18.6	13.0	12.5	12.8
14	3.8	2.1	2.6	11.4	2.6	8.1	15.5	7.6	11.3	12.5	11.8	12.3
15	17.4	2.2	11.3	16.4	10.6	11.3	20.9	15.5	18.6	15.2	11.8	12.6
16	20.6	9.3	15.5	21.6	0.8	12.4	21.8	17.1	20.5	17.4	15.0	16.6
17	16.4	13.8	15.0	8.8	0.6	1.6	27.0	14.9	22.3	15.7	11.2	13.6
18	15.6	13.5	14.8	10.2	6.8	8.9	27.0	18.5	23.1	13.5	11.5	12.7
19	14.3	10.9	13.5	11.7	3.2	6.6	26.9	18.4	23.7	13.4	12.9	13.1
20	16.1	13.3	14.7	15.9	9.9	12.6	26.5	10.5	15.3	14.1	13.4	13.7
21	21.2	15.1	17.7	16.4	8.7	14.5	12.2	10.9	11.8	14.8	14.1	14.6
22	21.2	18.9	20.2	14.5	3.6	8.3	20.9	10.5	18.0	16.0	14.7	15.2
23	19.3	9.7	14.5	12.4	3.7	9.7	24.1	15.3	19.1	15.8	8.5	11.7
24	14.0	8.5	11.3	11.8	4.9	8.9	26.2	12.4	20.4	14.8	7.9	10.8
25	12.4	7.9	10.2	14.4	7.0	11.8	12.4	5.6	7.5	16.8	14.4	15.7
26	14.0	5.1	9.8	16.4	9.7	14.7	16.1	6.8	13.5	18.2	16.8	17.6
27	14.1	6.7	10.2	17.9	3.1	9.0	12.6	12.4	12.5	19.9	18.1	19.2
28	15.6	6.7	10.7	12.4	2.8	7.3	12.9	12.6	12.7	19.9	19.0	19.4
29	12.0	7.0	9.2	18.7	11.1	15.6	16.3	12.9	13.5	20.7	19.6	19.8
30	9.9	3.0	6.5	21.9	18.7	20.7	16.5	15.2	16.2	21.0	20.5	20.8
31	6.8	1.6	4.0	---	---	---	23.0	14.6	17.8	21.2	20.5	20.9
MONTH	---	---	---	21.9	0.6	8.9	27.0	4.1	16.9	21.5	6.6	13.3
FEBRUARY			MARCH			APRIL			MAY			
1	20.5	19.8	20.1	20.6	20.6	20.6	16.9	16.9	16.9	16.3	16.0	16.1
2	19.9	19.6	19.7	20.6	20.4	20.6	16.9	16.7	16.8	16.2	15.9	16.1
3	19.6	19.6	19.6	20.4	20.2	20.2	16.7	16.6	16.7	16.4	15.8	16.2
4	19.6	18.6	19.3	20.2	20.1	20.2	16.6	16.5	16.5	16.9	16.3	16.6
5	18.7	17.9	18.2	20.2	20.2	20.2	16.5	16.4	16.4	16.4	16.1	16.3
6	19.4	18.1	18.6	20.2	20.2	20.2	16.4	16.3	16.3	16.4	16.0	16.2
7	19.4	16.4	18.0	20.2	20.1	20.1	16.3	16.3	16.3	16.9	16.0	16.8
8	17.5	16.1	16.8	20.2	20.1	20.2	16.3	16.2	16.2	16.9	16.6	16.9
9	19.9	17.5	18.8	20.2	20.2	20.2	16.2	15.9	16.0	16.9	16.8	16.9
10	21.7	19.9	20.6	20.2	20.2	20.2	15.9	15.8	15.8	16.9	16.8	16.8
11	22.2	21.7	22.0	20.2	20.2	20.2	15.8	15.7	15.8	---	---	---
12	22.3	22.2	22.2	20.3	20.2	20.2	15.7	15.5	15.5	---	---	---
13	22.3	22.2	22.2	20.3	20.2	20.3	15.6	15.4	15.5	---	---	---
14	22.3	22.1	22.2	20.3	20.3	20.3	16.3	15.6	15.9	---	---	---
15	22.1	21.9	22.0	20.4	20.3	20.3	16.8	16.3	16.6	---	---	---
16	21.9	21.8	21.8	20.4	20.3	20.4	17.1	16.4	16.8	---	---	---
17	21.8	21.5	21.7	20.4	20.4	20.4	16.9	16.4	16.5	---	---	---
18	21.6	21.5	21.5	20.4	20.4	20.4	16.4	16.3	16.3	---	---	---
19	21.5	21.5	21.5	20.4	20.4	20.4	16.4	16.3	16.3	---	---	---
20	21.5	21.4	21.5	20.4	20.4	20.4	17.4	16.3	16.6	---	---	---
21	21.7	21.5	21.5	20.4	20.4	20.4	17.4	17.2	17.3	---	---	---
22	22.6	21.7	22.1	20.4	20.3	20.3	17.2	16.8	17.0	14.7	14.4	14.6
23	22.0	21.4	21.7	20.4	20.3	20.3	17.0	16.7	16.9	14.8	14.4	14.6
24	21.4	20.7	21.1	20.4	20.3	20.3	17.1	16.7	16.9	14.8	13.6	14.1
25	20.7	20.7	20.7	20.4	20.3	20.3	17.2	16.7	17.0	14.8	14.3	14.6
26	20.7	20.7	20.7	20.3	20.2	20.2	17.0	16.9	17.0	14.5	12.6	13.7
27	20.7	20.6	20.6	20.2	20.1	20.1	16.9	16.8	16.9	14.0	13.5	13.7
28	20.6	20.6	20.6	20.1	19.9	20.0	16.9	16.8	16.8	14.5	13.0	13.6
29	---	---	---	19.9	16.7	18.0	16.9	16.4	16.7	14.5	13.5	13.9
30	---	---	---	---	---	---	16.6	16.0	16.4	14.6	13.6	14.2
31	---	---	---	17.0	16.9	17.0	---	---	---	14.9	13.7	13.9
MONTH	22.6	16.1	20.6	---	---	---	17.4	15.4	16.5	---	---	---

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15.3	14.1	14.8	---	---	---	9.5	6.1	7.8	15.8	14.5	15.3
2	15.8	14.1	14.8	---	---	---	8.7	6.5	7.8	15.4	14.0	14.8
3	16.3	13.8	15.1	---	---	---	9.2	7.4	8.5	15.3	12.9	14.3
4	---	---	---	---	---	---	8.7	7.2	8.1	15.3	12.2	13.9
5	---	---	---	---	---	---	9.6	4.5	7.5	14.9	11.9	13.6
6	---	---	---	---	---	---	8.7	3.9	6.2	16.2	11.9	14.6
7	---	---	---	---	---	---	10.4	2.4	6.7	15.3	13.2	14.5
8	---	---	---	---	---	---	10.7	2.5	7.0	15.0	13.2	14.4
9	---	---	---	2.8	2.2	2.5	24.6	10.5	19.1	15.4	13.0	14.5
10	9.9	9.7	9.8	2.8	2.0	2.4	24.4	12.3	22.1	14.5	13.2	13.8
11	---	---	---	2.7	2.0	2.4	21.8	14.8	18.6	14.5	13.0	13.6
12	---	---	---	2.7	2.1	2.4	17.3	13.5	15.9	15.9	14.2	15.2
13	---	---	---	4.9	2.1	3.0	17.5	12.3	14.7	16.6	14.7	15.6
14	---	---	---	8.2	2.3	4.9	15.8	11.3	14.1	14.9	12.6	13.6
15	---	---	---	9.2	3.4	5.9	17.0	9.0	12.7	14.0	11.5	12.4
16	---	---	---	7.0	2.8	4.5	17.5	16.1	16.9	13.0	11.3	11.9
17	---	---	---	7.2	2.2	4.0	18.4	17.4	18.0	13.2	11.8	12.6
18	---	---	---	4.4	2.0	2.8	17.9	16.3	17.3	13.8	11.2	12.7
19	---	---	---	2.4	1.9	2.1	16.7	11.5	15.1	15.4	11.4	13.4
20	---	---	---	1.9	1.6	1.8	15.5	10.7	14.2	13.5	11.1	12.1
21	---	---	---	2.1	1.6	1.7	15.9	11.7	15.2	15.8	11.4	13.7
22	---	---	---	2.6	1.6	2.0	15.3	11.4	13.8	17.2	11.1	14.5
23	---	---	---	3.0	1.6	2.0	15.8	11.6	14.3	13.8	11.1	12.5
24	---	---	---	9.3	1.6	3.0	17.0	13.0	15.4	15.2	12.5	14.0
25	6.4	5.1	5.5	15.9	9.3	13.0	17.6	13.0	15.7	15.5	12.5	14.3
26	6.4	5.2	5.9	19.2	4.2	14.3	17.5	14.1	16.1	16.9	14.6	16.1
27	6.6	5.8	6.3	18.4	14.8	17.2	16.5	13.6	15.0	18.1	16.2	17.3
28	6.4	5.8	6.1	17.6	7.1	14.6	15.7	13.4	14.5	18.1	12.4	14.4
29	6.8	6.2	6.4	15.1	8.3	13.3	17.1	13.3	14.8	14.2	10.2	12.0
30	7.8	5.8	6.9	12.1	7.8	10.5	17.0	15.8	16.3	14.2	10.7	12.1
31	---	---	---	11.5	6.6	9.1	15.8	15.0	15.5	---	---	---
MONTH	---	---	---	---	---	---	24.6	2.4	13.7	18.1	10.2	13.9

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.2	27.3	28.1	22.4	21.1	21.5	14.3	12.8	13.6	14.8	13.7	14.2
2	28.4	27.4	27.9	21.4	19.3	19.8	13.9	12.4	13.2	14.5	13.8	14.2
3	---	---	---	20.2	19.2	19.6	14.4	13.4	13.8	14.3	14.0	14.1
4	---	---	---	20.7	20.0	20.3	16.6	14.2	14.9	14.0	13.7	13.8
5	---	---	---	21.6	20.7	21.1	16.0	13.2	14.7	13.9	13.7	13.8
6	---	---	---	21.0	18.9	19.5	13.2	11.9	12.4	14.1	13.9	14.0
7	---	---	---	19.4	17.8	18.5	12.8	11.7	12.4	14.1	13.6	13.9
8	---	---	---	18.9	17.7	18.4	11.8	11.5	11.7	13.6	13.5	13.5
9	28.5	27.8	28.2	20.1	18.6	19.1	11.7	11.0	11.4	13.7	13.6	13.7
10	27.8	27.2	27.4	21.8	20.1	20.6	12.1	11.4	11.7	13.9	13.6	13.8
11	27.4	26.8	27.1	22.0	21.4	21.8	12.7	12.1	12.4	14.0	13.7	13.9
12	27.4	27.2	27.3	21.8	19.5	21.1	12.8	12.1	12.6	13.7	12.9	13.3
13	27.5	25.6	26.8	19.5	17.4	18.1	12.6	11.8	12.3	12.9	12.4	12.7
14	25.6	23.2	24.1	18.5	16.8	17.9	11.9	11.6	11.8	12.4	12.1	12.2
15	24.2	23.2	23.7	18.6	18.0	18.2	12.3	11.8	12.1	12.2	12.0	12.1
16	23.6	21.9	22.9	19.1	15.1	17.8	12.8	12.2	12.4	12.4	12.1	12.2
17	23.2	22.6	22.9	15.4	14.2	14.7	15.0	12.7	13.4	12.1	11.6	11.7
18	23.0	22.8	22.9	16.0	15.3	15.6	17.6	14.4	15.5	11.6	11.1	11.3
19	24.4	21.9	22.8	16.3	15.4	15.7	17.7	16.5	17.1	11.1	10.8	10.9
20	23.6	22.7	23.3	17.5	16.3	16.6	17.4	15.8	16.2	11.0	10.9	11.0
21	24.2	23.6	23.8	17.6	16.7	17.4	15.9	14.9	15.3	11.4	10.9	11.2
22	24.4	24.0	24.2	17.6	16.0	16.8	15.7	15.4	15.6	11.6	11.4	11.5
23	24.7	24.1	24.4	16.0	14.7	15.6	16.8	15.7	16.1	12.2	11.6	12.1
24	24.8	24.2	24.5	15.9	14.6	15.1	18.1	16.8	17.4	12.3	11.6	11.9
25	24.7	24.2	24.4	16.9	15.9	16.2	16.8	13.9	15.1	11.9	11.1	11.3
26	24.8	24.2	24.5	17.4	16.7	16.9	14.8	13.8	14.4	11.1	11.0	11.0
27	25.1	23.8	24.4	17.7	15.3	16.6	14.1	12.2	12.8	11.1	11.0	11.0
28	26.6	24.9	25.7	15.3	14.1	14.6	13.0	12.9	13.0	11.2	11.1	11.1
29	26.5	25.0	25.5	14.8	14.3	14.6	13.4	13.0	13.2	11.6	11.2	11.4
30	25.0	24.3	24.8	14.4	14.1	14.2	14.9	13.4	13.9	12.1	11.6	11.8
31	24.7	22.4	23.5	---	---	---	15.6	14.8	15.2	12.5	12.1	12.3
MONTH	---	---	---	22.4	14.1	17.8	18.1	11.0	13.8	14.8	10.8	12.5
FEBRUARY			MARCH			APRIL			MAY			
1	13.0	12.5	12.8	16.6	16.5	16.6	18.8	18.5	18.6	24.0	23.7	23.8
2	13.2	13.0	13.1	16.5	16.4	16.5	18.5	18.5	18.5	24.4	24.0	24.2
3	13.7	13.2	13.5	16.5	16.4	16.5	18.6	18.5	18.5	25.0	24.4	24.7
4	14.6	13.7	14.2	16.4	16.2	16.3	18.8	18.6	18.7	25.6	25.0	25.3
5	14.6	14.4	14.5	16.2	16.1	16.1	19.4	18.8	19.1	25.7	25.6	25.6
6	14.4	14.3	14.4	16.5	16.2	16.4	20.2	19.4	19.8	25.7	25.6	25.7
7	14.4	14.2	14.3	16.8	16.5	16.7	21.1	20.2	20.6	25.6	25.6	25.6
8	14.2	13.7	13.9	17.1	16.8	17.0	21.5	21.1	21.4	25.7	25.6	25.7
9	13.7	13.3	13.5	17.4	17.1	17.3	21.5	20.3	21.0	25.8	25.7	25.8
10	13.3	13.3	13.3	17.7	17.4	17.5	20.3	18.8	19.4	25.9	25.8	25.9
11	13.5	13.3	13.4	18.0	17.5	17.8	18.8	18.4	18.6	26.0	25.9	26.0
12	13.7	13.5	13.6	18.6	18.0	18.3	18.4	18.4	18.4	---	---	---
13	13.9	13.7	13.8	19.1	18.6	18.8	18.4	18.4	18.4	---	---	---
14	14.6	13.9	14.2	19.3	19.1	19.2	18.7	18.4	18.5	---	---	---
15	15.3	14.6	14.9	19.5	19.3	19.4	19.0	18.7	18.8	---	---	---
16	16.1	15.3	15.8	19.8	19.5	19.6	20.8	19.0	19.6	---	---	---
17	16.2	16.0	16.1	19.9	19.8	19.8	20.7	20.4	20.5	---	---	---
18	16.0	15.6	15.8	20.2	19.9	20.1	21.4	20.7	21.0	---	---	---
19	15.6	15.4	15.4	20.5	20.2	20.3	22.2	21.4	21.8	---	---	---
20	15.5	15.4	15.4	20.8	20.5	20.7	22.7	22.2	22.4	---	---	---
21	15.9	15.5	15.7	20.8	20.6	20.7	23.0	22.7	22.9	---	---	---
22	16.4	15.9	16.3	20.6	20.3	20.4	23.4	23.0	23.3	26.6	26.4	26.5
23	16.3	16.1	16.2	20.4	20.3	20.4	23.5	23.4	23.4	26.4	26.0	26.1
24	16.2	16.2	16.2	20.4	20.4	20.4	23.5	23.3	23.4	26.1	26.0	26.1
25	16.5	16.2	16.4	20.5	20.4	20.5	23.4	23.2	23.3	26.4	26.1	26.1
26	16.6	16.5	16.5	20.6	20.5	20.5	23.3	23.2	23.3	26.7	26.4	26.5
27	16.7	16.6	16.7	20.8	20.6	20.6	23.3	23.2	23.2	26.9	26.7	26.8
28	16.7	16.6	16.7	21.0	20.8	20.9	23.3	23.2	23.2	26.9	26.4	26.6
29	---	---	---	21.2	20.8	21.1	23.5	23.3	23.4	26.5	26.3	26.4
30	---	---	---	---	---	---	23.7	23.5	23.6	26.6	26.2	26.4
31	---	---	---	19.4	18.8	19.1	---	---	---	26.7	26.4	26.5
MONTH	16.7	12.5	14.9	---	---	---	23.7	18.4	20.9	---	---	---

07380251 BARATARIA BAY NORTH OF GRAND ISLE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.0	26.5	26.6	---	---	---	30.4	29.6	29.9	29.1	27.6	28.1
2	27.9	27.0	27.2	---	---	---	29.6	29.1	29.4	30.0	28.3	29.1
3	27.8	27.2	27.5	---	---	---	29.3	28.7	28.9	30.8	29.4	30.0
4	27.7	26.9	27.5	---	---	---	29.6	28.7	29.0	30.7	29.8	30.1
5	---	---	---	---	---	---	30.6	29.2	29.9	30.2	29.0	29.3
6	---	---	---	---	---	---	30.4	29.6	30.1	29.0	27.9	28.4
7	---	---	---	---	---	---	30.2	29.3	29.7	30.0	28.6	29.0
8	---	---	---	---	---	---	30.3	29.3	29.6	30.2	28.4	29.0
9	---	---	---	30.0	27.7	28.6	30.4	29.8	29.9	29.3	28.1	28.5
10	28.9	28.1	28.4	30.6	28.4	29.5	30.7	29.8	30.1	29.1	27.4	28.2
11	28.8	28.5	28.6	30.8	29.3	30.0	31.0	30.0	30.2	28.9	27.6	28.2
12	---	---	---	30.8	29.7	30.2	30.8	28.9	29.6	28.3	27.4	27.9
13	---	---	---	30.2	28.9	29.4	29.0	27.4	28.2	29.0	27.3	27.7
14	---	---	---	29.0	27.8	28.2	28.8	27.3	27.8	28.6	27.9	28.2
15	---	---	---	29.1	27.4	28.2	29.0	28.1	28.6	29.1	28.2	28.6
16	---	---	---	30.4	28.6	28.9	28.8	28.3	28.5	28.4	27.0	27.6
17	---	---	---	30.4	29.0	29.5	29.7	28.5	29.5	27.5	26.6	27.1
18	---	---	---	30.2	28.7	29.1	29.6	29.3	29.4	28.2	27.2	27.6
19	---	---	---	30.1	28.6	29.3	30.3	29.5	29.7	28.6	27.6	28.0
20	---	---	---	29.7	28.9	29.3	30.0	29.7	29.8	28.1	27.4	27.7
21	---	---	---	30.0	28.6	29.3	30.3	29.7	29.9	27.4	27.0	27.1
22	---	---	---	30.4	28.6	29.4	30.5	29.5	29.9	27.2	26.6	26.9
23	---	---	---	29.6	28.7	29.1	30.4	29.2	29.8	27.0	25.9	26.5
24	---	---	---	29.0	27.9	28.4	30.5	29.6	30.0	27.6	26.5	27.0
25	30.0	29.4	29.7	28.5	28.2	28.3	30.9	29.4	30.1	26.9	26.4	26.7
26	30.3	29.5	29.7	29.9	28.3	28.6	31.2	30.1	30.6	27.7	26.2	26.8
27	29.9	29.5	29.7	29.3	28.5	28.9	31.4	30.3	30.9	27.4	27.1	27.3
28	29.5	29.0	29.3	30.9	29.1	29.7	30.8	29.8	30.2	27.6	25.9	27.1
29	29.5	28.8	29.1	30.4	29.6	29.9	30.9	29.3	30.0	25.9	23.0	24.1
30	28.9	26.8	27.8	31.1	29.4	30.0	29.9	28.6	29.0	23.0	21.0	22.0
31	---	---	---	30.9	29.5	30.2	28.8	27.9	28.2	---	---	---
MONTH	---	---	---	---	---	---	31.4	27.3	29.6	30.8	21.0	27.7

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA

LOCATION.--Lat 29°23'54", long 90°02'28", Lafourche Parish, Hydrologic Unit 08090301, on a two-tier wellhead platform approximately 10.7 mi north northwest of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88 (GEOID96). Prior to Oct. 1, 1998, datum of gage was 0.24 ft above NAVD 88 (GEOID96). Prior to Oct. 1, 1996, datum of gage was 16.13 ft below NAVD 88 (GEOID96).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.18 ft, Oct. 3, 2002; minimum recorded, -1.60 ft, Jan. 7, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.18 ft, Oct. 3; minimum elevation, -0.96 ft, Jan. 17.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.25	1.42	1.85	1.59	0.90	1.31	1.00	-0.07	0.46	1.53	-0.24	0.62
2	2.74	1.96	2.33	1.55	1.17	1.40	1.27	0.00	0.63	1.43	-0.14	0.43
3	6.18	2.74	4.20	1.95	1.45	1.69	1.50	0.01	0.72	0.81	-0.87	-0.14
4	2.89	1.69	2.46	2.23	0.96	1.55	1.61	0.17	0.90	1.10	-0.46	0.29
5	2.09	1.34	1.75	2.26	1.49	1.88	1.53	-0.38	0.42	1.11	-0.35	0.36
6	1.64	1.28	1.49	1.82	0.14	0.86	1.13	-0.36	0.37	1.03	-0.10	0.44
7	1.83	1.12	1.50	1.64	0.22	0.89	1.15	-0.28	0.40	0.81	-0.28	0.21
8	---	---	---	1.76	0.21	0.97	0.97	-0.23	0.36	0.40	-0.17	0.11
9	---	---	---	2.02	0.64	1.30	1.20	0.14	0.64	0.87	0.31	0.50
10	2.65	1.34	1.95	2.14	0.97	1.52	1.29	0.16	0.69	0.84	0.23	0.49
11	2.47	0.98	1.69	2.09	0.99	1.58	1.12	0.47	0.81	0.65	-0.09	0.27
12	2.33	0.85	1.57	1.80	0.02	0.84	1.37	0.61	0.85	0.66	0.04	0.36
13	1.95	0.80	1.37	0.99	0.19	0.55	1.42	0.15	0.57	0.92	0.18	0.53
14	1.60	0.98	1.35	1.29	0.89	1.04	0.70	-0.13	0.28	1.04	-0.39	0.31
15	1.91	0.92	1.45	1.34	0.92	1.23	0.91	0.03	0.46	1.08	-0.21	0.50
16	1.68	1.13	1.40	0.92	0.12	0.56	1.09	-0.05	0.50	1.09	-0.07	0.49
17	1.70	1.11	1.44	0.86	0.02	0.42	1.54	0.08	0.76	0.78	-0.96	-0.23
18	1.75	1.17	1.45	1.10	0.25	0.64	1.71	0.37	1.02	0.84	-0.37	0.23
19	1.82	1.58	1.68	1.15	-0.04	0.55	---	0.58	---	1.05	-0.65	0.10
20	1.74	1.26	1.49	1.65	0.06	0.85	1.19	-0.20	0.40	1.07	-0.43	0.29
21	1.76	1.11	1.45	1.55	-0.01	0.65	1.47	0.14	0.71	1.07	-0.09	0.49
22	1.90	0.94	1.43	1.20	-0.14	0.47	1.47	-0.06	0.61	1.12	0.14	0.54
23	2.01	1.17	1.64	1.26	-0.17	0.47	---	---	---	0.14	-0.66	-0.36
24	2.07	0.96	1.50	1.29	-0.01	0.63	2.20	0.46	1.12	0.25	-0.28	-0.01
25	2.16	1.11	1.65	1.41	0.24	0.86	0.51	-0.33	0.12	0.55	-0.24	0.17
26	2.20	0.99	1.60	1.49	0.32	0.90	0.57	0.06	0.32	1.03	-0.28	0.41
27	2.27	1.07	1.67	1.27	0.07	0.58	0.53	0.16	0.29	1.04	-0.28	0.35
28	2.37	1.12	1.70	0.79	0.00	0.41	0.78	0.02	0.36	1.25	-0.16	0.53
29	2.24	1.25	1.78	0.97	0.41	0.61	1.16	-0.08	0.56	1.46	-0.07	0.68
30	2.14	1.02	1.56	0.94	0.54	0.72	1.91	0.18	0.96	1.47	-0.05	0.66
31	1.68	0.94	1.35	---	---	---	1.70	0.70	1.10	1.37	-0.02	0.60
MONTH	---	---	---	2.26	-0.17	0.93	---	---	---	1.53	-0.96	0.33

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.12	-0.15	0.45	1.56	0.50	1.00	0.57	0.37	0.46	1.94	0.84	1.46
2	1.25	0.03	0.58	1.47	0.45	0.87	1.02	0.57	0.76	1.75	0.71	1.25
3	1.34	0.33	0.84	---	---	---	1.39	0.81	1.07	1.74	0.51	1.20
4	1.34	0.13	0.60	1.63	1.08	1.28	1.60	0.83	1.19	1.94	0.44	1.32
5	1.03	0.42	0.66	1.47	1.15	1.32	1.61	0.78	1.22	2.56	1.18	1.89
6	1.17	0.67	0.97	1.36	0.93	1.21	1.99	0.78	1.49	2.53	1.38	1.90
7	0.70	0.09	0.32	1.37	0.79	1.09	1.96	0.97	1.47	2.39	1.30	1.84
8	0.89	0.02	0.48	1.67	0.78	1.26	1.92	0.72	1.40	2.17	1.12	1.69
9	1.40	0.43	0.95	1.44	0.67	1.09	0.85	-0.27	0.44	2.04	1.34	1.72
10	1.01	0.29	0.67	1.52	0.49	1.00	0.74	-0.59	0.05	2.10	1.40	1.79
11	1.32	-0.08	0.61	1.65	0.38	1.07	1.10	-0.21	0.48	1.72	1.31	1.56
12	0.92	0.26	0.62	1.68	0.67	1.19	1.09	-0.19	0.48	1.31	0.86	1.03
13	1.38	0.14	0.74	1.57	0.49	1.09	1.01	0.12	0.61	1.27	0.88	1.06
14	1.81	0.15	0.90	1.69	0.43	1.07	0.89	0.23	0.53	1.58	0.73	1.22
15	1.86	0.56	1.16	1.84	0.61	1.21	1.00	0.42	0.64	1.86	0.45	1.25
16	1.81	0.46	0.90	2.01	0.98	1.52	1.54	0.68	1.16	1.84	0.49	1.23
17	1.10	-0.19	0.40	1.97	0.99	1.45	1.50	0.42	1.07	2.20	0.56	1.42
18	1.10	-0.01	0.51	2.05	1.34	1.67	1.66	0.36	1.01	2.05	0.48	1.30
19	1.07	0.45	0.70	2.08	1.29	1.75	1.94	0.33	1.29	2.02	0.45	1.26
20	0.97	0.65	0.79	1.83	1.00	1.46	2.06	0.59	1.33	1.92	0.53	1.22
21	1.68	0.87	1.40	1.42	0.25	0.97	1.65	0.45	1.05	1.70	0.61	1.19
22	1.46	0.17	0.70	1.58	0.23	0.93	1.69	0.33	1.04	1.41	0.52	0.97
23	1.53	0.04	0.88	1.40	0.12	0.80	1.87	0.37	1.16	1.17	0.42	0.84
24	1.34	0.27	0.84	1.47	0.10	0.85	1.93	1.05	1.53	1.34	0.80	1.09
25	1.42	0.18	0.78	1.71	0.26	1.03	1.54	1.01	1.33	1.23	0.94	1.09
26	1.84	0.29	1.11	1.84	0.44	1.16	1.34	0.76	1.11	1.34	0.70	1.07
27	1.61	0.38	1.03	1.90	0.73	1.36	1.29	0.94	1.13	1.36	0.46	0.96
28	1.56	0.26	0.87	1.80	0.85	1.33	1.39	1.14	1.25	1.26	0.41	0.85
29	---	---	---	1.53	0.46	0.80	1.57	1.16	1.39	1.33	0.24	0.82
30	---	---	---	---	-0.42	---	1.81	1.02	1.47	1.40	0.17	0.82
31	---	---	---	0.51	0.02	0.22	---	---	---	1.40	0.10	0.78
MONTH	1.86	-0.19	0.77	---	---	---	2.06	-0.59	1.02	2.56	0.10	1.26
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.35	0.10	0.73	2.47	1.06	1.98	1.39	0.42	0.98	2.42	1.54	1.95
2	1.65	0.10	0.95	2.20	0.98	1.59	1.25	0.66	1.00	2.38	1.28	1.81
3	1.90	0.45	1.22	2.01	0.89	1.46	1.16	0.88	1.05	2.29	1.09	1.71
4	1.94	0.51	1.21	2.08	0.94	1.52	1.32	0.77	1.02	2.31	1.04	1.67
5	1.88	0.70	1.34	1.75	1.07	1.44	1.44	0.49	1.01	2.28	0.99	1.66
6	2.45	1.11	1.64	1.60	1.02	1.38	---	0.26	---	2.28	0.99	1.64
7	1.73	1.04	1.38	1.71	1.30	1.47	1.52	0.14	0.85	2.29	1.12	1.71
8	1.23	0.87	1.07	1.82	0.97	1.43	1.69	0.24	0.99	2.29	1.14	1.74
9	1.25	0.82	1.00	1.90	0.79	1.39	1.98	0.37	1.23	2.34	1.23	1.82
10	1.40	0.61	1.02	1.92	0.58	1.29	1.94	0.47	1.21	1.99	1.28	1.67
11	1.71	0.49	1.14	2.05	0.52	1.32	---	---	---	1.90	1.53	1.75
12	1.94	0.52	1.25	2.15	0.68	1.38	---	---	---	2.15	1.83	2.02
13	2.02	0.50	1.28	2.58	0.79	1.70	---	---	---	2.24	1.64	1.89
14	2.04	0.46	1.27	2.80	0.93	1.97	1.35	0.59	0.97	1.92	1.32	1.62
15	2.01	0.46	1.24	2.48	1.09	1.84	1.79	0.59	1.25	1.95	1.20	1.56
16	1.93	0.42	1.20	2.04	0.93	1.52	1.43	1.20	1.33	2.01	1.33	1.67
17	1.91	0.39	1.23	1.85	0.82	1.28	1.44	0.92	1.18	2.07	1.17	1.64
18	1.82	0.59	1.27	1.52	0.87	1.20	1.35	0.77	1.03	2.11	1.17	1.64
19	1.89	0.77	1.27	1.28	0.95	1.12	1.61	0.62	1.13	2.22	1.03	1.64
20	1.68	0.88	1.28	1.16	0.78	0.98	1.42	0.59	1.02	1.96	0.95	1.56
21	1.43	1.04	1.24	1.12	0.63	0.90	1.53	0.59	1.09	2.36	1.09	1.76
22	1.49	1.07	1.28	1.29	0.34	0.84	1.78	0.76	1.28	2.40	1.11	1.80
23	1.46	0.91	1.21	1.25	0.27	0.81	2.07	0.91	1.50	2.06	1.15	1.60
24	1.68	0.89	1.29	1.47	0.21	0.82	2.11	0.93	1.55	2.35	1.39	1.86
25	1.95	0.97	1.46	1.49	0.23	0.88	2.24	1.04	1.65	2.31	1.47	1.95
26	2.03	1.00	1.53	1.63	0.26	1.00	2.06	0.87	1.50	2.35	2.02	2.21
27	2.12	0.90	1.57	1.63	0.34	1.02	2.15	0.91	1.56	2.30	1.78	2.06
28	2.26	1.03	1.70	1.77	0.37	1.09	1.91	1.05	1.50	2.16	1.13	1.63
29	2.48	1.23	1.96	1.84	0.37	1.12	2.18	1.24	1.79	2.08	1.08	1.51
30	5.01	1.57	3.25	1.68	0.37	1.09	2.40	1.97	2.19	2.16	1.05	1.60
31	---	---	---	1.60	0.32	1.02	2.36	2.08	2.19	---	---	---
MONTH	5.01	0.10	1.35	2.80	0.21	1.29	---	---	---	2.42	0.95	1.75

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1994 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1994 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: October 1994 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 1-8, Oct. 17-Nov. 2, Dec. 3-30, Mar. 19-26, and Aug. 31-Sept. 30 when records good; Nov. 3-15 and Dec. 31-Jan. 15 when records fair; Nov. 16-20 when records poor.

SALINITY: Records excellent except for Oct. 1-8, Oct. 17-Nov. 2, Dec. 3-30, Mar. 19-26, and Aug. 31-Sept. 30 when records good; Nov. 3-15 and Dec. 31-Jan. 15 when records fair; Nov. 16-20 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 50,100 microsiemens/cm, Oct. 23, 2000; minimum, 516 microsiemens/cm, July 3, 1997.

SALINITY: Maximum, 24.8 ppt, Feb. 16, 2003; Minimum, 0.4 ppt, Nov. 13, 16, 2002.

WATER TEMPERATURE: Maximum, 35.2°C, Aug. 9, 1995; minimum 3.0°C, Jan. 4, 2000.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 39,000 microsiemens/cm, Feb. 16; minimum, 833 microsiemens/cm, Nov. 16.

SALINITY: Maximum, 24.8 ppt, Feb. 16; minimum, 0.4 ppt, Nov. 13, 16.

WATER TEMPERATURE: Maximum, 32.6°C, July 28; minimum, 5.6°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11,100	7,970	9,080	3,420	1,600	2,460	12,100	4,530	8,980	18,800	9,690	13,000
2	12,400	8,020	9,590	2,560	1,330	1,960	16,100	8,500	10,900	19,000	5,070	11,800
3	29,000	11,000	22,900	10,700	2,230	4,430	20,200	11,100	14,600	5,640	2,450	3,540
4	25,000	18,600	22,400	15,700	6,860	10,800	24,800	13,200	18,400	9,340	4,130	5,880
5	22,400	10,800	18,400	14,200	8,320	11,500	24,600	8,760	13,500	18,100	5,980	11,400
6	18,100	9,540	13,600	11,200	2,750	4,900	11,200	1,980	5,830	26,400	10,400	18,700
7	12,200	8,880	10,800	4,570	1,270	2,440	10,300	4,920	7,840	16,100	9,520	13,200
8	10,400	3,880	6,360	4,250	1,600	2,760	11,600	5,430	8,470	17,200	5,990	8,840
9	10,200	5,580	7,560	7,660	2,190	4,040	13,800	8,010	10,900	28,500	17,200	22,900
10	12,300	5,660	8,390	13,500	6,550	8,960	16,700	5,700	10,400	30,400	13,700	24,000
11	9,670	3,390	6,090	16,800	8,720	13,000	18,500	11,500	14,600	19,600	11,100	14,500
12	6,630	2,940	5,120	12,200	1,310	4,870	22,300	14,400	16,500	14,500	11,300	12,300
13	4,840	2,410	3,550	4,650	899	1,950	22,300	7,020	14,100	20,400	11,700	14,700
14	3,390	2,240	2,590	3,070	1,170	1,630	10,400	4,500	6,970	29,200	11,600	17,300
15	3,150	1,860	2,360	9,040	2,890	6,230	14,700	7,240	10,300	29,900	13,100	21,000
16	2,380	1,900	2,120	2,890	833	1,400	17,400	10,200	13,600	24,000	15,500	20,300
17	4,380	2,240	3,060	2,550	989	1,500	21,800	12,400	17,100	15,600	3,590	6,760
18	5,870	2,100	3,480	4,110	1,510	2,040	32,300	15,800	22,200	18,800	5,880	9,190
19	13,600	5,560	8,040	5,360	1,500	2,730	34,400	23,400	28,500	24,100	10,900	17,800
20	15,400	7,340	11,400	13,700	2,250	6,450	33,600	17,500	20,400	25,400	14,700	19,800
21	15,700	6,510	10,700	14,400	4,400	7,570	26,900	18,800	21,300	29,000	21,300	25,400
22	9,300	6,060	7,790	9,960	1,650	5,160	28,200	16,800	21,800	31,200	23,100	27,700
23	10,500	7,070	9,020	7,420	2,490	4,430	---	---	---	23,100	7,720	12,500
24	11,200	5,490	7,990	9,500	4,410	6,850	34,800	16,700	27,100	7,720	3,760	5,360
25	11,400	6,530	9,090	14,200	6,900	10,300	17,000	10,600	14,300	15,400	5,240	9,200
26	13,400	6,140	9,560	15,700	8,780	12,400	11,400	8,220	9,590	24,600	8,020	16,400
27	12,200	6,740	9,360	14,400	4,310	8,570	10,200	8,130	9,060	24,700	15,600	20,200
28	16,800	7,560	11,800	6,280	2,350	3,700	9,790	7,720	8,430	29,000	20,400	23,800
29	17,200	9,220	13,000	11,400	3,770	5,560	16,500	7,770	10,800	34,200	21,800	27,900
30	13,700	5,290	9,460	15,100	6,990	11,000	23,700	11,400	16,000	34,900	27,000	30,300
31	6,370	1,710	3,980	---	---	---	24,800	13,500	19,500	32,600	26,900	29,300
MONTH	29,000	1,710	8,990	16,800	833	5,720	---	---	---	34,900	2,450	16,600

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	31,900	23,400	26,900	24,100	19,500	21,500	5,230	2,250	3,480	28,000	23,600	26,300
2	32,300	23,700	29,500	23,200	16,200	18,900	12,100	3,980	8,230	27,200	22,400	25,000
3	35,600	29,700	31,900	---	---	---	15,400	10,300	13,500	28,600	23,000	25,200
4	36,500	25,700	29,300	20,800	16,400	18,000	18,200	12,400	15,800	30,400	22,600	26,600
5	27,700	23,600	24,900	21,400	16,800	19,200	18,700	12,000	16,100	32,800	27,600	31,100
6	32,000	27,200	29,700	21,900	16,700	20,500	23,100	12,900	18,600	33,900	29,100	32,300
7	27,400	20,200	23,900	17,500	14,800	16,100	23,600	17,000	20,200	34,500	31,900	33,500
8	22,100	16,600	18,700	16,600	13,100	15,000	20,600	14,700	18,700	33,800	30,900	32,300
9	31,300	18,700	25,300	16,000	12,100	14,400	14,700	4,540	8,910	33,900	32,300	33,100
10	30,300	23,600	26,100	15,500	10,300	13,100	4,540	2,960	3,770	35,700	32,700	33,900
11	30,300	21,900	25,300	16,900	10,600	13,600	7,610	3,140	4,560	35,600	31,500	33,000
12	30,300	26,000	28,900	19,000	12,300	15,700	13,500	3,920	7,390	32,300	28,300	30,300
13	32,200	27,200	29,600	18,300	12,400	15,300	18,200	10,800	14,800	28,900	26,300	27,400
14	36,800	28,300	31,100	17,300	11,600	14,500	20,800	11,600	16,000	30,400	26,700	28,600
15	38,400	31,600	35,200	17,800	11,900	14,400	18,700	12,300	15,500	31,300	26,500	28,900
16	39,000	28,300	32,300	19,500	15,700	17,300	24,100	17,500	20,800	32,500	26,000	30,000
17	28,300	19,700	23,200	19,400	14,900	16,100	24,400	16,100	20,300	33,800	30,100	32,100
18	27,400	21,900	24,200	20,200	16,200	17,700	23,400	14,500	19,600	34,000	29,400	31,600
19	26,800	24,000	25,400	20,900	17,600	19,800	28,700	17,300	23,700	32,200	27,700	30,100
20	27,400	25,800	26,700	20,500	16,500	18,700	31,300	24,600	28,100	31,400	26,900	29,100
21	37,100	27,300	30,800	16,500	9,010	13,500	27,700	21,700	24,800	31,000	26,700	29,000
22	37,100	21,200	27,200	15,200	8,470	12,000	25,000	18,300	22,000	28,700	23,000	25,100
23	28,200	21,500	25,300	12,000	7,590	9,720	26,500	18,800	21,900	23,000	18,200	20,400
24	27,500	23,800	25,900	11,700	6,920	9,420	29,900	25,400	27,200	22,300	19,300	20,900
25	26,800	22,100	24,000	16,400	7,670	11,800	29,600	22,800	25,200	23,200	21,900	22,400
26	28,200	21,500	24,400	17,400	10,300	14,300	23,800	19,300	21,600	26,700	21,300	23,700
27	28,200	20,900	24,100	16,400	10,000	13,200	21,400	19,200	20,200	25,600	19,200	22,900
28	25,500	18,000	21,600	16,900	11,200	14,100	21,000	20,000	20,600	22,700	18,500	20,600
29	---	---	---	16,800	---	---	26,800	20,600	23,500	23,500	18,300	20,600
30	---	---	---	3,240	---	---	28,100	23,100	26,400	24,800	18,000	21,400
31	---	---	---	3,370	1,060	2,080	---	---	---	28,200	18,700	22,800
MONTH	39,000	16,600	26,800	---	---	---	31,300	2,250	17,700	35,700	18,000	27,400
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25,600	17,500	22,000	14,000	9,860	11,800	13,000	7,000	9,570	28,000	26,500	27,300
2	31,000	18,600	25,600	12,300	8,640	10,300	10,500	8,450	9,530	27,200	25,900	26,600
3	33,000	24,200	29,000	9,580	7,870	8,450	12,600	8,060	9,770	26,700	24,800	26,000
4	30,800	24,900	28,800	9,260	7,710	8,220	15,300	4,980	9,980	26,300	23,800	25,400
5	29,500	25,000	27,400	8,270	6,940	7,560	18,700	6,070	13,200	26,000	21,800	24,500
6	31,000	25,200	28,300	6,940	6,000	6,440	---	---	---	25,000	21,800	23,600
7	27,400	20,000	24,600	6,540	5,270	6,100	19,300	3,130	11,100	24,700	21,900	23,400
8	25,000	17,000	19,800	6,640	4,950	5,900	14,600	7,850	11,300	24,600	21,800	23,500
9	19,100	13,300	15,800	6,840	4,160	5,390	16,400	8,570	12,200	24,800	22,500	23,800
10	18,900	12,000	16,300	7,060	3,480	4,780	22,700	8,620	15,500	24,000	22,400	23,400
11	26,600	13,600	19,800	6,580	3,320	4,620	24,200	11,500	19,900	24,500	23,800	24,100
12	28,800	13,800	23,500	6,100	3,320	4,550	26,600	18,300	21,800	25,400	24,100	25,000
13	28,400	17,900	23,400	8,710	3,390	6,270	24,800	19,000	22,900	25,900	24,200	25,200
14	26,500	17,300	22,300	11,200	5,030	8,690	23,300	16,700	19,700	24,400	22,700	23,600
15	25,200	17,600	22,000	12,800	8,080	10,200	21,200	18,100	19,900	23,700	20,500	22,400
16	23,700	15,900	19,900	10,600	7,130	8,740	22,300	20,700	21,500	22,400	20,100	21,600
17	20,100	15,200	17,800	7,130	4,850	6,390	23,300	17,100	20,800	22,500	20,500	21,600
18	18,300	15,200	17,000	4,850	3,870	4,260	20,200	13,300	18,300	22,900	20,400	21,800
19	17,600	14,100	16,100	4,600	3,210	3,590	23,600	15,800	20,500	23,200	20,600	22,100
20	16,100	13,700	14,800	3,630	2,940	3,090	21,400	17,100	19,400	22,400	20,200	21,200
21	14,800	12,500	13,400	3,630	2,600	2,980	20,100	15,100	17,800	23,100	20,700	22,100
22	14,000	11,700	12,800	4,060	2,610	3,080	19,300	15,400	17,600	23,400	19,100	21,900
23	13,000	9,080	11,500	5,540	2,580	3,250	21,600	15,900	19,200	21,800	18,900	20,300
24	13,800	9,300	11,800	6,600	2,530	3,830	22,500	17,800	20,600	22,800	19,000	21,200
25	14,400	10,400	12,700	5,460	2,540	3,940	23,900	19,000	21,700	22,300	20,500	21,500
26	14,400	10,600	12,900	7,510	2,920	4,970	24,700	19,300	21,900	26,100	22,300	24,000
27	14,100	10,500	12,300	9,840	3,380	6,450	25,200	19,900	22,900	26,700	24,100	25,300
28	13,900	10,300	12,400	12,100	4,500	7,780	24,400	20,900	22,600	26,600	20,000	22,500
29	15,000	11,100	13,800	13,400	5,140	8,860	26,600	22,100	24,100	21,400	16,500	18,900
30	15,300	13,700	14,600	14,100	6,710	10,100	28,400	26,600	27,800	20,000	17,100	18,600
31	---	---	---	13,800	7,350	9,970	28,400	27,900	28,200	---	---	---
MONTH	33,000	9,080	18,700	14,100	2,530	6,470	---	---	---	28,000	16,500	23,100

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.3	4.4	5.1	1.8	0.8	1.3	6.9	2.4	5.0	11.1	5.4	7.5
2	7.1	4.4	5.4	1.3	0.7	1.0	9.4	4.7	6.2	11.3	2.7	6.8
3	17.9	6.2	13.9	6.1	1.1	2.4	12.0	6.3	8.5	3.0	1.3	1.9
4	15.2	11.0	13.5	9.1	3.8	6.1	15.0	7.6	10.9	5.2	2.2	3.2
5	13.5	6.1	10.9	8.2	4.6	6.5	14.9	4.9	7.8	10.7	3.2	6.5
6	10.7	5.3	7.9	6.3	1.4	2.6	6.3	1.0	3.2	16.1	5.9	11.1
7	7.0	4.9	6.1	2.4	0.6	1.3	5.8	2.6	4.3	9.4	5.3	7.6
8	5.9	2.0	3.5	2.3	0.8	1.4	6.6	2.9	4.7	10.1	3.2	4.9
9	5.8	3.0	4.2	4.2	1.1	2.1	7.9	4.4	6.2	17.5	10.1	13.8
10	7.0	3.1	4.7	7.8	3.6	5.0	9.8	3.1	5.9	18.9	7.9	14.6
11	5.4	1.8	3.3	9.9	4.9	7.5	10.9	6.5	8.5	11.7	6.3	8.4
12	3.6	1.5	2.8	7.0	0.7	2.7	13.4	8.3	9.7	8.4	6.4	7.0
13	2.6	1.2	1.9	2.5	0.4	1.0	13.4	3.8	8.2	12.1	6.6	8.5
14	1.8	1.1	1.3	1.6	0.6	0.8	5.9	2.4	3.8	18.0	6.6	10.2
15	1.6	0.9	1.2	5.0	1.5	3.4	8.6	4.0	5.8	18.5	7.5	12.6
16	1.2	1.0	1.1	1.5	0.4	0.7	10.2	5.8	7.8	14.5	9.0	12.1
17	2.3	1.1	1.6	1.3	0.5	0.8	13.1	7.1	10.1	9.1	1.9	3.7
18	3.2	1.1	1.8	2.2	0.8	1.0	20.2	9.2	13.4	11.1	3.2	5.2
19	7.8	3.0	4.5	2.9	0.8	1.4	21.6	14.2	17.6	14.6	6.2	10.5
20	9.0	4.0	6.5	7.9	1.1	3.6	21.0	10.3	12.2	15.5	8.6	11.8
21	9.1	3.5	6.1	8.3	2.3	4.2	16.4	11.1	12.8	17.9	12.8	15.5
22	5.2	3.3	4.3	5.6	0.8	2.8	17.4	9.9	13.1	19.4	13.9	17.0
23	6.0	3.9	5.0	4.1	1.3	2.4	---	---	---	13.9	4.3	7.2
24	6.3	3.0	4.4	5.3	2.3	3.8	21.9	9.8	16.6	4.3	2.0	2.9
25	6.5	3.6	5.1	8.2	3.8	5.8	10.0	6.0	8.3	9.0	2.8	5.2
26	7.7	3.3	5.4	9.1	4.9	7.1	6.5	4.6	5.4	14.9	4.4	9.7
27	7.0	3.7	5.2	8.3	2.3	4.8	5.8	4.5	5.1	15.0	9.1	12.1
28	9.9	4.2	6.7	3.4	1.2	1.9	5.5	4.3	4.7	17.9	12.1	14.4
29	10.1	5.2	7.5	6.5	2.0	3.0	9.7	4.3	6.2	21.5	13.1	17.2
30	7.9	2.8	5.3	8.8	3.8	6.3	14.4	6.5	9.4	21.9	16.5	18.8
31	3.5	0.9	2.1	---	---	---	15.0	7.8	11.6	20.4	16.4	18.1
MONTH	17.9	0.9	5.1	9.9	0.4	3.2	---	---	---	21.9	1.3	9.9
FEBRUARY			MARCH			APRIL			MAY			
1	19.9	14.2	16.5	14.6	11.6	12.9	2.8	1.1	1.8	17.2	14.3	16.1
2	20.2	14.4	18.2	14.0	9.4	11.2	6.9	2.1	4.6	16.6	13.5	15.2
3	22.4	18.4	19.9	---	---	---	9.0	5.8	7.8	17.6	13.9	15.4
4	23.1	15.7	18.1	12.4	9.6	10.7	10.7	7.1	9.2	18.9	13.6	16.3
5	17.0	14.3	15.2	12.9	9.9	11.4	11.1	6.8	9.4	20.5	16.9	19.3
6	19.9	16.6	18.3	13.2	9.8	12.2	13.9	7.4	11.0	21.2	17.9	20.1
7	16.8	12.0	14.4	10.3	8.6	9.4	14.3	10.0	12.0	21.7	19.9	20.9
8	13.3	9.7	11.1	9.7	7.5	8.7	12.3	8.6	11.1	21.2	19.2	20.2
9	19.4	11.1	15.4	9.3	6.9	8.3	8.6	2.4	5.0	21.2	20.2	20.7
10	18.8	14.3	15.9	9.0	5.8	7.5	2.4	1.5	2.0	22.5	20.4	21.2
11	18.8	13.2	15.4	9.9	6.0	7.9	4.2	1.6	2.4	22.4	19.6	20.7
12	18.8	15.9	17.8	11.3	7.0	9.2	7.8	2.1	4.1	20.2	17.4	18.8
13	20.1	16.6	18.3	10.8	7.1	8.9	10.7	6.1	8.6	17.8	16.1	16.8
14	23.3	17.4	19.3	10.2	6.6	8.4	12.4	6.6	9.4	18.9	16.3	17.6
15	24.4	19.6	22.2	10.5	6.8	8.4	11.1	7.0	9.0	19.4	16.2	17.8
16	24.8	17.4	20.1	11.6	9.1	10.2	14.6	10.3	12.5	20.3	15.9	18.6
17	17.4	11.7	14.0	11.5	8.7	9.4	14.8	9.4	12.1	21.2	18.7	20.0
18	16.8	13.2	14.7	12.0	9.4	10.4	14.2	8.4	11.7	21.3	18.1	19.7
19	16.4	14.5	15.5	12.5	10.4	11.8	17.7	10.2	14.4	20.1	17.0	18.7
20	16.8	15.8	16.3	12.2	9.7	11.1	19.4	14.9	17.3	19.5	16.4	18.0
21	23.5	16.7	19.1	9.7	5.0	7.8	17.0	13.0	15.0	19.2	16.3	17.9
22	23.5	12.7	16.7	8.9	4.7	6.8	15.2	10.8	13.2	17.7	13.9	15.3
23	17.4	12.9	15.4	6.8	4.2	5.5	16.2	11.1	13.2	13.9	10.7	12.2
24	16.9	14.4	15.8	6.6	3.8	5.3	18.5	15.5	16.7	13.4	11.5	12.5
25	16.4	13.3	14.5	9.6	4.2	6.8	18.3	13.7	15.4	14.0	13.2	13.4
26	17.4	12.9	14.8	10.2	5.8	8.3	14.4	11.5	12.9	16.3	12.8	14.3
27	17.4	12.5	14.6	9.6	5.6	7.6	12.9	11.4	12.1	15.6	11.4	13.8
28	15.5	10.6	13.0	9.9	6.3	8.1	12.6	11.9	12.3	13.7	10.9	12.3
29	---	---	---	9.9	3.8	6.5	16.4	12.3	14.2	14.2	10.8	12.3
30	---	---	---	1.7	0.5	1.1	17.3	13.9	16.1	15.0	10.6	12.8
31	---	---	---	1.8	0.5	1.1	---	---	---	17.4	11.1	13.7
MONTH	24.8	9.7	16.4	---	---	---	19.4	1.1	10.6	22.5	10.6	16.9

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15.6	10.3	13.2	8.1	5.5	6.7	7.5	3.8	5.4	17.2	16.2	16.8
2	19.2	11.0	15.6	7.0	4.8	5.8	6.0	4.7	5.3	16.6	15.8	16.2
3	20.6	14.7	17.9	5.4	4.3	4.7	7.2	4.5	5.5	16.3	15.0	15.8
4	19.1	15.1	17.8	5.2	4.3	4.6	8.9	2.7	5.6	16.1	14.4	15.4
5	18.2	15.2	16.8	4.6	3.8	4.2	11.1	3.3	7.6	15.9	13.1	14.9
6	19.2	15.3	17.4	3.8	3.3	3.5	---	---	---	15.2	13.1	14.2
7	16.8	11.9	15.0	3.6	2.8	3.3	11.5	1.6	6.3	15.0	13.2	14.1
8	15.2	10.0	11.8	3.6	2.6	3.2	8.5	4.3	6.4	14.9	13.1	14.2
9	11.4	7.6	9.2	3.7	2.2	2.9	9.6	4.8	7.0	15.0	13.5	14.4
10	11.2	6.8	9.6	3.9	1.8	2.6	13.7	4.8	9.1	14.5	13.5	14.1
11	16.3	7.8	11.8	3.6	1.7	2.5	14.7	6.5	11.9	14.8	14.4	14.6
12	17.7	7.9	14.3	3.3	1.7	2.4	16.3	10.8	13.1	15.5	14.6	15.2
13	17.5	10.5	14.1	4.8	1.8	3.4	15.0	11.3	13.8	15.8	14.7	15.3
14	16.2	10.2	13.4	6.3	2.7	4.9	14.1	9.8	11.7	14.8	13.7	14.3
15	15.3	10.4	13.2	7.4	4.5	5.8	12.7	10.7	11.8	14.4	12.2	13.5
16	14.4	9.3	11.9	6.0	3.9	4.9	13.4	12.4	12.9	13.5	12.0	13.0
17	12.0	8.9	10.5	3.9	2.6	3.5	14.1	10.1	12.5	13.5	12.2	12.9
18	10.8	8.9	10	2.6	2.0	2.3	12.0	7.6	10.8	13.8	12.1	13.1
19	10.4	8.1	9.4	2.5	1.7	1.9	14.3	9.2	12.3	14.0	12.3	13.3
20	9.4	7.9	8.6	1.9	1.5	1.6	12.9	10.1	11.5	13.5	12.0	12.7
21	8.6	7.2	7.7	1.9	1.3	1.5	12.0	8.8	10.5	13.9	12.4	13.3
22	8.1	6.6	7.3	2.1	1.3	1.6	11.5	9.0	10.4	14.2	11.4	13.2
23	7.5	5.1	6.5	3.0	1.3	1.7	13.0	9.3	11.4	13.1	11.2	12.1
24	7.9	5.2	6.7	3.6	1.3	2.0	13.5	10.5	12.3	13.7	11.3	12.7
25	8.3	5.9	7.3	2.9	1.3	2.1	14.5	11.3	13.0	13.4	12.2	12.9
26	8.3	6.0	7.4	4.1	1.5	2.7	15.0	11.5	13.1	15.9	13.4	14.6
27	8.1	6.0	7.0	5.5	1.8	3.5	15.3	11.8	13.8	16.3	14.6	15.4
28	8.0	5.8	7.1	6.9	2.4	4.3	14.8	12.5	13.6	16.3	11.9	13.5
29	8.7	6.3	8.0	7.7	2.8	5.0	16.3	13.3	14.6	12.9	9.7	11.2
30	8.9	7.9	8.5	8.1	3.7	5.7	17.5	16.3	17.1	11.9	10.1	11.0
31	---	---	---	7.9	4.0	5.6	17.5	17.2	17.3	---	---	---
MONTH	20.6	5.1	11.2	8.1	1.3	3.6	---	---	---	17.2	9.7	13.9

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.2	27.9	28.5	21.9	20.0	21.0	13.9	12.2	12.9	15.3	13.8	14.5
2	28.8	27.7	28.2	20.0	18.4	19.0	14.1	11.8	13.0	15.3	13.4	14.5
3	27.8	26.8	27.1	20.2	18.4	19.1	15.3	13.6	14.4	13.4	10.7	11.8
4	27.9	26.8	27.1	20.7	19.8	20.3	17.3	14.9	15.9	12.6	10.4	11.4
5	28.6	27.0	27.7	21.4	20.7	21.1	16.8	12.9	14.7	13.6	11.8	12.6
6	28.4	27.8	28.1	20.8	18.4	19.3	12.9	10.6	11.6	14.3	13.2	13.7
7	28.8	28.1	28.4	18.4	17.2	17.8	11.6	10.7	11.3	13.2	11.6	12.3
8	28.8	27.9	28.4	19.2	17.3	18.2	11.5	10.7	11.2	12.6	10.8	11.9
9	28.8	28.0	28.3	20.4	18.9	19.6	11.9	11.1	11.4	14.4	12.1	13.2
10	28.0	27.1	27.4	22.7	20.3	21.4	11.9	11.4	11.6	15.4	14.2	14.7
11	28.0	26.6	27.1	23.2	22.4	22.6	12.1	11.1	11.6	14.2	11.0	12.0
12	27.8	26.8	27.4	22.4	18.2	21.0	12.4	11.5	11.9	11.1	8.7	9.8
13	27.5	25.1	26.5	18.3	16.0	17.1	13.1	11.9	12.5	9.5	7.9	8.8
14	25.1	22.2	23.4	17.4	16.4	16.7	12.4	11.4	12.0	10.2	8.3	9.2
15	22.7	22.0	22.4	18.3	17.1	17.8	13.6	11.6	12.6	10.6	8.8	9.9
16	22.2	20.9	21.4	18.1	13.6	16.4	14.6	12.7	13.6	11.6	10.1	10.7
17	21.3	20.2	20.8	14.4	12.6	13.6	16.1	14.0	14.8	10.4	7.4	8.7
18	22.1	20.3	21.2	15.4	13.2	14.2	17.9	15.4	16.5	8.4	7.3	7.9
19	22.6	21.7	22.1	16.4	14.6	15.5	19.2	17.5	18.1	10.4	7.7	8.7
20	23.6	22.3	22.8	17.1	16.0	16.5	17.8	15.9	16.7	11.8	9.1	10.4
21	24.7	23.2	23.8	17.6	16.3	17.1	16.5	15.4	16.0	14.5	11.1	12.6
22	25.0	23.7	24.4	17.2	15.8	16.4	18.0	16.2	16.9	15.0	13.4	14.1
23	24.9	24.4	24.6	15.9	14.6	15.3	---	---	---	13.6	8.2	10.5
24	25.1	24.2	24.7	16.1	14.6	15.4	19.6	17.3	18.7	8.2	6.0	6.9
25	25.0	24.6	24.8	17.6	16.1	16.8	17.3	13.4	14.7	8.1	5.6	6.6
26	25.0	24.3	24.6	18.4	17.1	17.8	13.5	11.8	12.4	8.0	6.9	7.5
27	25.6	24.2	24.8	18.0	15.0	16.6	11.9	11.2	11.5	9.4	7.3	8.3
28	26.4	25.4	26.0	15.0	13.1	13.9	13.4	11.4	12.1	10.5	8.5	9.5
29	26.5	24.9	25.7	13.9	12.6	13.2	14.5	12.3	13.4	13.6	10.4	11.5
30	25.1	24.2	24.7	14.3	13.7	13.9	15.4	13.9	14.5	13.6	12.5	13.0
31	24.2	21.9	23.0	---	---	---	16.1	15.3	15.7	14.3	12.8	13.4
MONTH	29.2	20.2	25.3	23.2	12.6	17.5	---	---	---	15.4	5.6	11.0
FEBRUARY			MARCH			APRIL			MAY			
1	14.9	12.9	13.7	16.0	15.8	15.9	17.2	15.4	16.3	28.1	25.7	26.8
2	16.1	13.8	14.8	16.7	15.5	16.1	18.6	16.8	17.7	28.8	26.8	27.7
3	16.9	14.8	15.9	---	---	---	19.7	18.2	19.0	29.6	27.6	28.4
4	17.0	15.4	16.3	15.1	14.1	14.5	22.6	19.6	20.9	29.1	27.8	28.4
5	15.5	13.7	14.3	17.1	14.8	15.9	24.4	21.7	23.0	28.4	27.0	27.8
6	14.6	13.7	14.1	18.1	17.0	17.4	24.8	23.4	24.1	28.1	27.0	27.5
7	14.5	10.7	12.5	18.6	17.2	17.9	25.3	24.1	24.6	28.4	27.1	27.7
8	10.8	9.9	10.4	18.8	18.0	18.4	24.4	21.0	23.1	28.7	27.2	27.9
9	11.6	10.3	10.8	20.5	18.7	19.4	21.0	14.8	18.1	28.9	27.4	28.1
10	13.2	11.6	12.2	21.4	19.4	20.3	15.5	12.1	14.0	28.8	27.5	28.2
11	14.0	12.0	12.9	20.9	20.2	20.4	16.8	14.6	15.5	28.8	27.6	28.2
12	15.3	13.4	14.2	21.6	20.0	20.8	19.7	15.8	17.3	28.7	27.4	27.9
13	16.3	14.7	15.5	22.1	21.2	21.6	21.5	18.1	19.3	27.8	26.6	27.3
14	17.8	15.8	16.5	22.8	20.8	21.5	22.7	19.7	20.8	28.5	26.0	26.9
15	19.2	16.6	18.0	23.8	21.3	22.1	23.9	21.0	22.5	28.8	26.7	27.6
16	19.1	17.0	18.4	22.6	21.5	22.1	24.6	22.5	23.4	28.6	27.1	27.9
17	17.0	13.9	14.9	22.6	21.1	21.7	25.0	23.0	24.1	28.6	27.4	28.0
18	15.0	13.2	14.0	22.9	21.7	22.3	26.6	24.2	25.1	28.2	27.3	27.7
19	16.2	14.0	14.8	23.4	22.0	22.6	25.9	24.5	25.1	28.2	27.5	27.9
20	17.1	14.4	16.0	22.9	21.8	22.5	25.6	24.0	24.8	28.4	27.4	27.9
21	18.5	16.9	17.5	21.9	20.6	21.1	26.5	24.9	25.5	27.9	27.3	27.6
22	18.7	15.7	17.4	21.4	19.7	20.6	26.0	24.6	25.3	27.5	26.5	26.9
23	16.4	14.9	15.8	22.3	20.3	21.1	25.1	24.1	24.7	27.4	25.2	26.1
24	18.0	15.7	16.8	22.7	20.6	21.5	25.2	23.9	24.5	28.7	25.9	27.2
25	17.6	16.7	17.1	21.8	20.5	21.2	26.0	24.2	25.0	28.9	27.0	27.9
26	17.2	16.3	16.7	22.1	20.7	21.3	25.8	24.1	24.7	29.3	27.1	28.2
27	17.2	16.4	16.8	23.0	20.8	21.7	25.3	23.2	24.0	28.6	27.3	28.1
28	16.4	15.6	16.0	23.9	21.7	22.6	26.1	24.2	25.1	28.0	25.5	26.8
29	---	---	---	23.7	---	---	26.0	24.5	25.2	28.0	26.0	26.9
30	---	---	---	---	14.5	---	26.8	24.8	25.6	28.3	26.1	27.3
31	---	---	---	16.6	14.6	15.5	---	---	---	28.2	26.5	27.4
MONTH	19.2	9.9	15.2	---	---	---	26.8	12.1	22.3	29.6	25.2	27.6

073802512 HACKBERRY BAY NORTHWEST OF GRAND ISLE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.4	26.9	28.0	26.9	25.5	26.1	30.5	29.6	30.0	29.9	27.5	28.4
2	29.1	27.6	28.4	27.7	26.5	27.0	30.1	29.2	29.6	31.1	28.6	29.6
3	28.8	27.4	28.1	27.8	26.9	27.4	30.1	28.9	29.3	31.7	29.8	30.7
4	28.9	27.8	28.4	27.7	27.0	27.3	31.2	28.9	29.6	31.4	30.3	30.7
5	29.1	27.8	28.4	27.3	26.3	26.9	31.0	29.6	30.2	30.4	28.9	29.6
6	28.4	27.3	27.7	28.7	26.6	27.5	---	---	---	29.4	27.7	28.5
7	29.2	26.8	27.6	28.7	27.7	28.2	30.6	29.5	30.1	29.9	28.3	29.0
8	30.0	27.7	28.8	29.5	27.7	28.5	31.6	29.2	30.1	30.6	28.5	29.3
9	31.7	29.0	30.0	30.9	28.4	29.4	32.0	29.6	30.5	29.8	27.9	28.7
10	31.3	29.4	30.3	31.4	29.5	30.5	31.6	30.0	30.7	29.0	27.3	28.2
11	30.3	28.9	29.5	31.4	30.0	30.6	31.1	29.9	30.7	28.8	27.8	28.3
12	30.1	28.5	29.2	30.7	29.8	30.1	30.9	28.7	29.5	28.3	27.6	28.0
13	30.8	28.6	29.6	30.2	28.7	29.5	29.0	27.2	28.1	29.0	27.5	28.2
14	31.0	29.2	30.0	28.7	27.7	28.0	29.2	26.7	27.9	30.0	28.4	28.9
15	30.8	29.4	30.1	29.5	27.1	28.1	29.3	28.1	28.9	29.6	28.3	29.0
16	30.9	29.3	30.1	31.7	28.6	29.5	30.9	28.5	29.5	28.5	27.1	27.9
17	30.4	28.6	29.2	31.0	28.1	29.6	30.5	29.2	29.9	28.4	26.6	27.4
18	30.8	28.3	29.1	30.5	27.5	28.6	29.9	28.9	29.4	29.2	27.4	28.2
19	30.1	28.8	29.4	30.6	28.8	29.6	30.5	29.6	30.0	29.4	28.2	28.6
20	28.8	28.2	28.5	30.0	29.1	29.4	30.6	29.7	30.1	29.0	27.6	28.2
21	28.4	27.7	27.9	30.0	28.6	29.2	30.8	29.4	30.1	27.6	27.2	27.4
22	29.5	27.8	28.6	30.6	28.8	29.6	30.2	29.2	29.8	27.4	26.6	27.0
23	31.4	28.8	29.9	29.9	28.5	29.2	30.6	29.4	29.9	27.4	25.6	26.5
24	30.9	30.1	30.5	29.0	27.6	28.3	30.9	29.8	30.2	27.6	26.2	26.9
25	30.8	30.0	30.4	30.2	28.2	29.0	30.7	29.8	30.3	27.2	26.6	26.9
26	31.5	29.6	30.4	31.3	28.7	29.6	32.2	29.7	30.8	28.2	26.7	27.3
27	30.7	29.6	30.1	31.9	29.6	30.6	31.7	30.5	31.3	29.0	27.5	28.0
28	30.0	28.9	29.4	32.6	30.1	30.9	31.3	30.0	30.4	28.7	25.8	27.4
29	29.8	28.5	29.1	30.9	29.9	30.5	30.8	29.3	30.0	25.8	22.6	23.5
30	28.5	26.1	27.3	31.5	29.6	30.3	30.0	28.4	28.9	22.6	21.1	21.6
31	---	---	---	31.3	29.6	30.3	28.4	27.8	28.0	---	---	---
MONTH	31.7	26.1	29.1	32.6	25.5	29.0	---	---	---	31.7	21.1	27.9

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA

LOCATION.--Lat 29°16'32", long 89°56'29", Jefferson Parish, Hydrologic Unit 08090301, on a walkway near the Grand Terre Marine Lab on Grand Terre Island, 1.0 mi east of Grand Isle.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88. Prior to Oct. 1, 1998, datum of gage was 0.28 ft above NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.19 ft, Sept. 26, 2002 (Tropical Storm Isidore); minimum recorded elevation, -1.47 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.01 ft, Oct. 3; minimum elevation, -0.90 ft, Jan. 19.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.26	1.12	1.67	1.76	1.05	1.41	1.18	-0.05	0.58	1.69	-0.39	0.69
2	3.40	1.77	2.28	1.67	1.27	1.50	1.37	-0.07	0.68	1.68	-0.17	0.69
3	5.01	2.48	3.68	1.97	1.37	1.68	1.62	-0.17	0.71	1.21	-0.79	0.14
4	2.99	1.70	2.39	2.29	0.95	1.55	1.92	-0.11	0.88	1.32	-0.43	0.40
5	2.23	1.43	1.88	2.52	1.30	1.87	1.58	-0.65	0.57	1.30	-0.25	0.44
6	1.84	1.42	1.66	1.95	-0.15	0.84	1.51	-0.47	0.49	1.22	-0.09	0.55
7	2.05	1.30	1.67	1.73	0.05	0.86	1.33	-0.35	0.43	1.05	-0.16	0.33
8	2.28	1.22	1.79	1.82	0.09	0.90	1.26	-0.29	0.44	---	---	---
9	2.61	1.07	1.78	2.16	0.43	1.21	1.65	0.13	0.82	---	---	---
10	2.71	1.12	1.91	2.19	0.79	1.46	1.70	0.49	1.04	---	---	---
11	2.61	0.95	1.74	2.06	0.86	1.44	1.37	0.56	0.93	---	---	---
12	2.48	0.84	1.63	1.95	0.52	1.04	1.55	0.58	0.92	---	---	---
13	2.13	0.86	1.45	1.08	0.63	0.88	1.77	0.29	0.84	---	---	---
14	2.06	1.18	1.64	1.26	0.92	1.08	0.89	0.07	0.44	---	---	---
15	2.31	1.37	1.82	1.63	0.93	1.26	0.99	0.12	0.55	---	---	---
16	1.98	1.35	1.66	1.27	0.53	1.01	1.17	-0.03	0.54	---	---	---
17	1.89	1.19	1.53	0.91	0.24	0.57	1.64	0.00	0.79	---	---	---
18	1.69	1.22	1.46	0.98	0.25	0.59	1.75	0.08	0.92	---	---	---
19	1.76	1.55	1.66	1.16	-0.10	0.49	2.15	0.25	1.17	---	---	---
20	1.89	1.34	1.58	1.78	0.03	0.83	1.66	-0.44	0.50	---	---	---
21	1.92	1.30	1.56	1.48	-0.15	0.71	1.56	-0.27	0.64	---	---	---
22	2.03	0.94	1.46	1.36	-0.19	0.60	1.42	-0.33	0.53	---	---	---
23	2.12	1.19	1.60	1.38	-0.24	0.51	2.23	0.13	1.06	---	---	---
24	2.25	0.85	1.55	1.47	-0.21	0.58	2.21	0.70	1.24	---	---	---
25	2.36	0.93	1.64	1.59	0.17	0.86	1.21	-0.30	0.34	---	---	---
26	2.35	0.96	1.62	1.59	0.18	0.89	0.72	0.03	0.40	---	---	---
27	2.40	0.88	1.66	1.48	0.11	0.71	0.58	0.21	0.35	---	---	---
28	2.27	0.88	1.60	1.13	0.13	0.58	0.90	0.08	0.44	---	---	---
29	2.30	0.82	1.67	1.10	0.50	0.75	1.16	-0.01	0.60	---	---	---
30	---	---	---	1.00	0.48	0.83	1.94	-0.03	1.00	---	---	---
31	1.87	1.01	1.45	---	---	---	1.94	0.64	1.30	---	---	---
MONTH	---	---	---	2.52	-0.24	0.98	2.23	-0.65	0.71	---	---	---

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	1.60	0.53	1.09	0.61	0.33	0.48	1.99	0.70	1.40
2	---	---	---	1.46	0.46	0.96	0.92	0.61	0.75	1.77	0.55	1.21
3	---	---	---	1.77	0.69	1.16	1.34	0.69	1.00	1.80	0.23	1.11
4	---	---	---	1.77	1.12	1.33	1.63	0.72	1.18	1.94	0.32	1.20
5	---	---	---	1.45	1.19	1.31	1.73	0.66	1.23	2.35	0.76	1.60
6	---	---	---	1.38	0.88	1.19	1.91	0.72	1.40	2.27	0.84	1.54
7	---	---	---	1.42	0.72	1.12	2.02	0.46	1.36	2.26	0.62	1.52
8	---	---	---	1.69	0.73	1.26	2.07	0.50	1.35	2.11	0.62	1.44
9	---	---	---	1.56	0.55	1.14	1.53	-0.23	0.80	1.94	0.82	1.45
10	---	---	---	1.55	0.43	1.04	1.16	-0.32	0.46	1.90	0.95	1.53
11	---	---	---	1.66	0.32	1.07	1.28	-0.01	0.64	1.58	1.11	1.43
12	---	---	---	1.71	0.52	1.11	1.21	-0.09	0.58	1.18	0.89	1.01
13	1.45	0.07	0.77	1.75	0.24	0.92	1.05	0.26	0.69	1.29	0.64	1.00
14	1.94	-0.08	0.89	1.76	0.28	1.09	0.83	0.34	0.59	1.60	0.53	1.13
15	1.93	0.26	1.07	1.83	0.58	1.22	0.92	0.50	0.66	1.88	0.15	1.11
16	1.65	0.19	1.05	2.20	0.84	1.54	1.45	0.62	1.05	1.83	0.07	1.02
17	1.24	-0.19	0.52	2.04	1.01	1.53	1.73	0.40	1.11	2.21	0.13	1.20
18	1.21	-0.03	0.48	2.24	1.22	1.63	1.72	0.18	1.01	2.12	0.02	1.14
19	1.09	0.41	0.70	2.31	1.32	1.77	1.86	0.08	1.10	2.04	0.02	1.13
20	0.86	0.67	0.77	1.88	1.05	1.55	2.09	0.06	1.14	1.88	0.13	0.98
21	1.60	0.72	1.31	1.59	0.19	1.06	1.92	0.06	1.10	1.77	0.30	1.13
22	1.61	-0.13	1.08	1.60	-0.04	0.94	1.76	0.23	1.05	1.68	0.49	1.09
23	1.49	-0.13	0.82	1.51	-0.04	0.86	1.80	0.24	1.11	1.28	0.51	0.94
24	1.37	0.05	0.76	1.51	0.11	0.88	2.05	0.82	1.43	1.42	0.86	1.17
25	1.53	-0.08	0.75	1.70	0.05	0.92	1.68	0.95	1.38	1.28	0.97	1.17
26	1.99	0.15	1.13	1.88	0.23	1.11	1.49	0.79	1.19	1.46	0.67	1.12
27	1.81	0.30	1.09	2.02	0.74	1.45	1.28	0.99	1.17	1.50	0.44	1.01
28	1.67	0.07	0.86	1.92	0.71	1.35	1.37	1.03	1.22	1.39	0.42	0.94
29	---	---	---	1.46	0.72	1.00	1.55	1.19	1.36	1.55	0.32	0.98
30	---	---	---	0.46	0.04	0.30	1.83	1.00	1.45	1.63	0.05	0.90
31	---	---	---	0.58	0.15	0.34	---	---	---	1.63	-0.01	0.85
MONTH	---	---	---	2.31	-0.04	1.14	2.09	-0.32	1.03	2.35	-0.01	1.18
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.59	0.05	0.78	2.55	0.68	1.76	1.63	0.49	1.09	2.47	1.50	1.97
2	1.71	0.11	0.92	2.30	0.68	1.49	1.33	0.76	1.08	2.52	1.25	1.88
3	2.01	0.15	1.12	2.10	0.72	1.40	1.21	0.96	1.11	2.51	1.06	1.81
4	1.91	0.28	1.15	1.99	0.76	1.40	1.35	0.80	1.07	2.58	0.97	1.84
5	2.00	0.45	1.28	1.76	0.92	1.36	1.54	0.53	1.06	2.63	1.03	1.87
6	2.42	0.81	1.52	1.57	0.95	1.38	1.65	0.25	1.01	2.60	1.04	1.85
7	1.76	0.82	1.31	1.79	1.19	1.50	1.70	-0.03	0.90	2.56	1.06	1.86
8	1.32	0.81	1.06	1.83	0.84	1.38	1.83	0.22	1.02	2.51	1.18	1.87
9	1.34	0.84	1.03	1.97	0.71	1.36	2.10	0.32	1.22	2.53	1.29	1.91
10	1.41	0.54	0.99	2.02	0.29	1.24	2.05	0.38	1.22	2.13	1.37	1.73
11	1.69	0.33	1.06	2.15	0.20	1.28	2.01	0.36	1.22	2.01	1.51	1.80
12	1.94	0.10	1.11	2.24	0.29	1.30	2.18	0.52	1.33	2.10	1.84	1.98
13	2.08	0.12	1.14	2.59	0.58	1.59	1.89	0.58	1.25	2.17	1.78	1.94
14	2.13	0.03	1.14	2.80	0.83	1.81	1.55	0.69	1.14	2.09	1.42	1.72
15	2.11	-0.06	1.11	2.52	0.77	1.70	1.92	0.82	1.46	2.16	1.27	1.68
16	2.01	0.12	1.12	2.11	0.77	1.49	1.68	1.37	1.55	2.22	1.42	1.80
17	2.12	0.26	1.25	1.81	0.82	1.33	1.68	1.13	1.43	2.26	1.28	1.75
18	1.98	0.47	1.30	1.62	0.87	1.29	1.70	0.98	1.25	2.27	1.16	1.73
19	1.84	0.69	1.32	1.38	0.91	1.20	1.85	0.83	1.34	2.39	0.99	1.66
20	1.74	0.87	1.30	1.29	0.88	1.07	1.75	0.73	1.25	2.08	0.79	1.48
21	1.52	0.96	1.26	1.24	0.77	1.01	1.77	0.72	1.29	2.47	1.05	1.80
22	1.51	1.12	1.31	1.37	0.46	0.91	2.10	0.83	1.49	2.60	1.16	1.87
23	1.58	0.94	1.26	1.38	0.43	0.94	2.40	1.01	1.72	2.16	1.19	1.70
24	1.75	0.88	1.32	1.49	0.20	0.84	2.43	0.95	1.69	2.47	1.48	1.97
25	1.98	0.82	1.42	1.55	0.27	0.91	2.46	1.00	1.75	2.38	1.67	2.10
26	2.15	0.90	1.55	1.74	0.16	0.96	2.28	0.90	1.62	2.41	2.10	2.25
27	2.31	0.76	1.57	1.79	0.35	1.04	2.35	1.08	1.71	2.32	1.83	2.12
28	2.37	0.93	1.66	1.96	0.34	1.17	2.10	1.19	1.62	2.29	1.21	1.75
29	2.50	1.12	1.83	2.01	0.46	1.25	2.23	1.35	1.90	2.34	1.09	1.66
30	3.69	1.44	2.75	1.86	0.29	1.13	2.33	1.83	2.12	2.42	0.96	1.65
31	---	---	---	1.79	0.45	1.07	2.45	1.94	2.14	---	---	---
MONTH	3.69	-0.06	1.30	2.80	0.16	1.28	2.46	-0.03	1.39	2.63	0.79	1.83

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: July 1992 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent.

SALINITY: Records excellent.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 56,500 microsiemens/cm, Jan. 3, 1998; minimum, 3,330 microsiemens/cm, July 13, 1997.

SALINITY: Maximum, 31.0 ppt, July 23, 2003; minimum, 7.5 ppt, July 7, 2003.

WATER TEMPERATURE: Maximum, 36.5°C, June 26, 1996; minimum, 2.5°C, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 47,600 microsiemens/cm, July 23; minimum, 13,100 microsiemens/cm, July 7.

SALINITY: Maximum, 31.0 ppt, July 23; minimum, 7.5 ppt, July 7.

WATER TEMPERATURE: Maximum, 34.1°C, July 25; minimum, 5.4°C, Jan. 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	31,300	29,200	30,100	28,300	27,000	27,400	31,200	27,300	29,100	42,100	30,100	33,400
2	32,600	30,300	31,300	33,300	28,300	29,200	33,300	30,600	31,800	42,500	36,500	39,600
3	41,700	31,400	40,700	44,400	33,300	40,600	34,300	32,900	33,600	36,600	22,200	32,300
4	41,500	41,300	41,400	44,400	31,800	40,700	35,500	33,900	34,800	40,400	21,700	30,700
5	41,400	28,300	32,600	42,500	40,100	41,400	35,300	33,200	33,900	40,400	29,200	37,500
6	29,200	21,600	24,100	40,100	28,800	33,700	33,900	32,900	33,600	41,000	31,000	34,600
7	22,900	16,700	20,800	33,700	27,900	29,000	33,100	32,600	32,900	33,400	32,900	33,200
8	25,600	16,700	20,000	35,800	30,800	32,800	32,900	32,400	32,700	---	---	---
9	28,900	25,600	28,000	37,200	35,800	36,800	39,300	32,700	33,600	---	---	---
10	28,700	27,600	28,300	37,900	35,900	36,200	38,600	34,900	35,600	---	---	---
11	28,300	23,800	24,900	38,900	35,500	37,900	37,900	35,700	36,600	---	---	---
12	31,000	18,100	22,100	35,500	29,100	31,100	37,300	31,900	35,800	---	---	---
13	25,800	14,200	17,500	29,100	22,000	25,300	38,000	30,700	33,600	---	---	---
14	26,000	18,500	20,800	39,300	22,000	32,700	32,300	30,900	31,400	---	---	---
15	24,400	21,500	22,800	42,400	33,600	40,600	45,800	24,500	35,800	---	---	---
16	25,400	21,800	23,800	33,600	28,200	29,200	43,700	25,600	37,500	---	---	---
17	32,000	24,500	27,200	43,500	20,600	29,900	43,800	41,900	43,000	---	---	---
18	37,700	25,700	30,700	43,500	26,100	36,800	42,200	41,700	41,900	---	---	---
19	38,900	37,700	38,600	42,700	29,200	37,400	41,800	39,400	41,200	---	---	---
20	38,700	32,900	35,700	36,000	29,900	32,000	39,600	38,400	38,800	---	---	---
21	33,600	23,700	27,900	29,900	27,900	28,700	40,700	38,500	39,700	---	---	---
22	31,300	23,700	28,100	30,400	29,100	29,600	41,700	40,400	41,200	---	---	---
23	32,900	31,300	32,100	34,000	30,100	31,200	41,100	40,000	40,500	---	---	---
24	32,200	30,400	31,100	36,900	33,300	35,000	41,200	37,300	39,500	---	---	---
25	32,800	31,200	32,100	39,800	36,900	38,800	37,400	32,100	35,700	---	---	---
26	32,600	31,200	31,900	39,900	39,300	39,500	34,400	31,200	32,000	---	---	---
27	32,000	31,400	31,700	39,500	38,800	39,100	36,400	32,900	34,200	---	---	---
28	32,000	31,700	31,900	38,900	33,900	37,600	43,100	34,400	38,400	---	---	---
29	32,000	28,900	30,200	36,300	32,800	33,700	42,800	34,800	40,400	---	---	---
30	29,700	28,000	28,900	37,100	26,300	31,300	41,300	38,800	40,500	---	---	---
31	28,400	27,700	28,000	---	---	---	39,200	32,400	34,800	---	---	---
MONTH	41,700	14,200	28,900	44,400	20,600	34,200	45,800	24,500	36,300	---	---	---

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	37,500	36,200	36,500	41,900	38,900	40,700	37,800	34,400	35,500
2	---	---	---	37,600	36,800	37,000	40,000	38,900	39,300	35,100	34,100	34,500
3	---	---	---	37,100	36,000	36,700	39,300	35,000	36,600	34,600	34,400	34,500
4	---	---	---	38,800	34,700	36,500	35,300	31,600	33,200	34,600	34,300	34,400
5	---	---	---	39,100	38,400	38,800	32,100	30,300	31,200	34,900	34,000	34,500
6	---	---	---	38,800	37,600	38,400	30,600	30,300	30,500	34,900	34,300	34,600
7	---	---	---	37,700	34,800	35,500	30,700	28,900	30,100	34,800	34,000	34,400
8	---	---	---	35,200	33,800	34,700	29,600	25,700	27,300	34,700	33,900	34,200
9	---	---	---	33,800	32,200	33,100	26,000	25,000	25,500	34,300	33,600	34,000
10	---	---	---	32,700	30,900	31,900	25,600	17,100	21,400	33,900	33,300	33,600
11	---	---	---	31,900	29,900	30,800	45,600	18,200	31,500	33,700	32,200	33,000
12	---	---	---	30,600	29,200	30,100	47,500	23,300	36,200	32,300	31,800	32,000
13	44,200	44,000	44,200	30,100	26,100	29,000	45,900	31,800	41,600	32,000	31,400	31,600
14	44,500	44,100	44,200	26,200	21,200	23,500	45,900	31,000	38,400	31,600	31,300	31,400
15	44,300	43,100	44,100	23,800	22,200	23,000	43,200	31,800	39,400	31,600	31,300	31,400
16	43,100	38,300	39,100	23,800	21,400	23,300	44,300	42,300	43,600	32,000	31,500	31,700
17	39,000	37,900	38,300	21,500	21,100	21,300	43,400	40,600	41,500	33,500	32,000	32,800
18	42,700	38,600	40,600	21,900	21,100	21,400	43,200	38,100	40,700	34,600	33,500	34,200
19	43,400	42,600	42,900	21,900	21,600	21,800	42,100	41,500	41,700	34,600	33,000	34,000
20	44,200	43,400	43,800	22,000	21,700	21,900	41,600	39,800	40,900	34,200	33,500	33,900
21	44,100	43,700	44,000	22,300	21,900	22,100	39,800	33,100	34,600	34,000	31,600	32,900
22	44,000	41,300	42,500	37,700	22,300	27,900	33,900	33,400	33,700	31,700	28,800	30,300
23	44,500	41,700	43,000	35,300	24,400	31,100	34,900	33,500	34,200	29,100	28,600	28,800
24	44,100	42,000	42,900	32,500	24,800	29,400	36,500	34,900	35,800	32,300	28,800	29,900
25	42,400	39,800	41,300	32,600	30,400	31,800	36,400	35,400	36,100	32,400	31,700	32,100
26	40,400	36,300	38,800	30,900	24,700	28,000	35,800	35,400	35,600	33,000	32,300	32,900
27	36,300	35,100	35,500	24,800	20,500	22,600	37,000	35,700	36,000	32,900	32,400	32,600
28	36,400	35,000	35,700	21,500	21,000	21,400	37,400	36,900	37,200	32,900	32,600	32,800
29	---	---	---	21,500	21,100	21,300	37,900	37,300	37,700	32,900	32,200	32,500
30	---	---	---	21,400	20,200	20,800	38,000	37,500	37,800	35,100	32,600	32,900
31	---	---	---	41,600	20,100	30,600	---	---	---	43,300	34,000	38,800
MONTH	---	---	---	41,600	20,100	28,800	47,500	17,100	35,700	43,300	28,600	33,100
	JUNE			JULY			AUGUST			SEPTEMBER		
1	43,000	38,000	40,700	20,200	18,000	19,100	37,600	30,300	33,400	25,700	25,400	25,600
2	45,500	41,100	43,700	25,800	16,200	21,200	38,400	30,800	35,400	25,700	25,400	25,500
3	44,700	39,900	42,100	32,600	17,000	25,300	36,800	32,300	34,000	25,500	25,200	25,400
4	39,900	31,700	33,900	28,500	17,300	24,200	43,200	33,400	38,600	25,400	24,900	25,300
5	31,900	28,800	30,000	26,400	16,500	20,700	40,700	31,700	39,100	26,200	23,700	24,600
6	29,300	24,300	27,400	16,900	14,200	15,800	39,400	30,100	35,800	27,900	25,000	26,300
7	25,000	24,300	24,600	14,800	13,100	14,200	43,100	30,100	35,900	28,500	26,800	27,400
8	24,700	24,300	24,400	16,900	14,000	15,500	45,500	32,100	36,900	29,300	28,500	29,000
9	26,900	24,400	25,400	17,500	16,100	16,700	39,100	29,600	34,400	30,400	29,300	30,000
10	30,600	26,700	29,100	18,000	16,500	17,100	38,400	27,900	33,900	31,000	30,300	30,500
11	30,200	29,700	29,900	24,100	16,200	20,900	36,500	32,100	33,900	31,600	29,600	30,700
12	29,800	28,800	29,200	21,400	14,900	17,900	36,200	33,800	35,400	31,900	31,400	31,700
13	28,900	26,700	27,500	20,600	18,000	19,600	37,000	34,600	35,900	32,000	31,800	32,000
14	27,000	26,800	26,900	21,400	20,600	21,000	34,900	34,200	34,300	31,900	31,300	31,600
15	26,900	26,400	26,600	22,600	21,000	22,300	34,200	32,100	33,000	31,300	28,800	29,600
16	26,700	25,300	25,900	22,700	22,300	22,500	36,400	32,400	35,300	31,900	29,300	29,800
17	25,300	17,800	20,400	22,500	19,800	21,100	36,400	32,700	35,200	31,800	31,000	31,300
18	19,900	17,800	19,200	24,900	18,100	20,800	33,800	32,100	32,700	32,200	31,000	31,300
19	20,900	19,000	20,300	23,000	17,800	19,700	37,400	32,400	34,400	32,500	31,700	31,900
20	21,100	18,500	19,600	20,700	17,900	18,400	34,200	31,300	32,400	32,700	32,000	32,200
21	19,500	18,500	19,200	34,300	18,300	24,700	32,000	29,500	30,800	33,200	32,300	32,400
22	19,200	18,700	19,100	44,200	26,000	38,800	32,100	30,000	30,600	33,300	30,600	31,900
23	18,800	17,700	18,200	47,600	29,600	43,600	32,300	31,100	31,800	32,800	30,500	31,600
24	18,200	17,800	18,000	47,000	22,500	35,700	31,300	30,700	31,100	32,500	31,500	32,100
25	18,000	17,600	17,800	41,900	20,400	33,400	31,000	30,100	30,600	34,000	32,000	32,900
26	17,900	16,700	17,200	33,600	21,000	31,900	30,800	29,800	30,100	37,300	33,500	35,100
27	17,100	14,200	15,400	31,600	26,600	28,200	30,100	29,700	29,900	37,800	36,300	37,300
28	15,100	14,200	14,600	26,700	24,500	25,300	29,900	27,800	29,100	36,900	35,400	36,100
29	14,900	14,500	14,700	34,900	21,800	27,600	28,000	26,500	27,000	35,600	33,000	35,200
30	19,000	14,000	15,600	35,800	26,900	31,900	26,600	26,100	26,300	38,300	31,500	33,000
31	---	---	---	34,000	29,900	32,400	26,200	25,600	25,900	---	---	---
MONTH	45,500	14,000	24,600	47,600	13,100	24,100	45,500	25,600	33,000	38,300	23,700	30,600

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	19.4	18.0	18.6	17.4	16.5	16.8	19.4	16.7	17.9	27.0	18.7	20.9
2	20.4	18.8	19.4	20.8	17.4	18.0	20.8	19.0	19.8	27.3	23.1	25.2
3	26.7	19.5	26.0	28.6	20.8	25.9	21.5	20.6	21.0	23.1	13.3	20.1
4	26.6	26.5	26.5	28.6	19.8	26.0	22.3	21.2	21.8	25.8	13.0	19.1
5	26.5	17.4	20.3	27.3	25.6	26.5	22.2	20.7	21.2	25.8	18.0	23.7
6	18.0	13.0	14.6	25.6	17.7	21.1	21.2	20.6	21.0	26.2	19.2	21.7
7	13.8	9.8	12.5	21.1	17.2	17.9	20.7	20.4	20.6	20.9	20.6	20.7
8	15.6	9.8	11.9	22.5	19.1	20.5	20.6	20.2	20.4	---	---	---
9	17.8	15.6	17.2	23.6	22.5	23.2	25.0	20.4	21.0	---	---	---
10	17.7	16.9	17.4	24.0	22.6	22.8	24.5	21.9	22.4	---	---	---
11	17.4	14.4	15.2	24.8	22.3	24.1	24.0	22.5	23.1	---	---	---
12	19.2	10.7	13.3	22.3	17.9	19.3	23.6	19.9	22.6	---	---	---
13	15.8	8.2	10.4	17.9	13.2	15.4	24.1	19.0	21.0	---	---	---
14	15.9	10.9	12.4	25.0	13.2	20.4	20.2	19.2	19.5	---	---	---
15	14.8	12.9	13.7	27.2	21.0	25.9	29.7	14.8	22.6	---	---	---
16	15.5	13.1	14.4	21.0	17.4	18.1	28.2	15.6	23.8	---	---	---
17	19.9	14.8	16.6	28.0	12.3	18.6	28.2	26.9	27.6	---	---	---
18	23.9	15.7	19.1	28.0	15.9	23.3	27.1	26.7	26.9	---	---	---
19	24.8	23.9	24.5	27.4	18.0	23.7	26.8	25.1	26.4	---	---	---
20	24.6	20.6	22.5	22.7	18.5	19.9	25.2	24.4	24.6	---	---	---
21	21.0	14.4	17.1	18.5	17.2	17.7	26.0	24.4	25.3	---	---	---
22	19.4	14.4	17.3	18.9	17.9	18.3	26.7	25.8	26.4	---	---	---
23	20.6	19.4	20.0	21.3	18.7	19.4	26.3	25.5	25.9	---	---	---
24	20.1	18.9	19.3	23.4	20.8	22.0	26.4	23.6	25.1	---	---	---
25	20.5	19.4	20.0	25.4	23.4	24.6	23.7	20.0	22.5	---	---	---
26	20.4	19.4	19.8	25.4	25.0	25.2	21.6	19.4	19.9	---	---	---
27	19.9	19.5	19.7	25.2	24.7	24.9	23.0	20.6	21.4	---	---	---
28	19.9	19.7	19.8	24.8	21.2	23.8	27.7	21.6	24.4	---	---	---
29	19.9	17.8	18.7	22.9	20.5	21.1	27.5	21.9	25.8	---	---	---
30	18.4	17.2	17.8	23.5	16.1	19.5	26.5	24.7	25.9	---	---	---
31	17.5	17.0	17.2	---	---	---	25.0	20.2	21.9	---	---	---
MONTH	26.7	8.2	17.8	28.6	12.3	21.5	29.7	14.8	22.9	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	23.7	22.8	23.1	26.9	24.8	26.0	23.9	21.6	22.4
2	---	---	---	23.8	23.3	23.4	25.5	24.8	25.0	22.1	21.4	21.7
3	---	---	---	23.5	22.7	23.2	25.0	22.0	23.1	21.8	21.6	21.7
4	---	---	---	24.7	21.8	23.0	22.2	19.6	20.7	21.8	21.5	21.6
5	---	---	---	24.9	24.4	24.7	20.0	18.8	19.4	21.9	21.3	21.7
6	---	---	---	24.7	23.8	24.4	19.0	18.8	18.9	21.9	21.5	21.8
7	---	---	---	23.9	21.9	22.4	19.0	17.8	18.6	21.9	21.3	21.6
8	---	---	---	22.1	21.2	21.8	18.3	15.7	16.7	21.8	21.2	21.4
9	---	---	---	21.2	20.1	20.7	15.9	15.2	15.5	21.5	21.0	21.3
10	---	---	---	20.4	19.2	19.9	15.6	10.1	12.9	21.2	20.8	21.0
11	---	---	---	19.9	18.5	19.1	29.6	10.7	19.8	21.1	20.1	20.6
12	---	---	---	19.0	18.0	18.7	30.9	14.1	22.9	20.2	19.8	19.9
13	28.5	28.4	28.5	18.7	15.9	17.9	29.8	19.8	26.7	19.9	19.5	19.7
14	28.7	28.4	28.5	16.0	12.7	14.2	29.8	19.2	24.4	19.6	19.4	19.5
15	28.6	27.7	28.4	14.4	13.3	13.9	27.8	19.8	25.1	19.6	19.4	19.5
16	27.7	24.3	24.9	14.4	12.9	14.1	28.6	27.1	28.1	19.9	19.6	19.7
17	24.8	24.0	24.3	12.9	12.6	12.8	28.0	25.9	26.6	20.9	19.9	20.5
18	27.4	24.5	26.0	13.2	12.6	12.8	27.8	24.1	26.0	21.8	20.9	21.5
19	28.0	27.3	27.6	13.2	13.0	13.1	27.0	26.6	26.7	21.8	20.6	21.3
20	28.5	28.0	28.2	13.2	13.0	13.2	26.7	25.4	26.1	21.5	20.9	21.3
21	28.4	28.2	28.4	13.4	13.2	13.3	25.4	20.7	21.7	21.3	19.6	20.6
22	28.4	26.5	27.3	23.9	13.4	17.2	21.2	20.9	21.1	19.7	17.7	18.8
23	28.7	26.7	27.6	22.2	14.8	19.3	21.9	20.9	21.5	17.9	17.6	17.7
24	28.4	26.9	27.5	20.3	15.0	18.2	23.1	21.9	22.6	20.2	17.7	18.5
25	27.2	25.4	26.5	20.4	18.9	19.8	23.0	22.3	22.7	20.2	19.7	20.0
26	25.8	22.9	24.7	19.2	15.0	17.2	22.5	22.3	22.4	20.6	20.2	20.5
27	22.9	22.1	22.4	15.0	12.2	13.6	23.4	22.5	22.6	20.6	20.2	20.4
28	23.0	22.0	22.5	12.9	12.6	12.8	23.7	23.4	23.5	20.6	20.4	20.5
29	---	---	---	12.9	12.6	12.8	24.0	23.6	23.9	20.6	20.1	20.3
30	---	---	---	12.9	12.0	12.5	24.1	23.7	23.9	22.1	20.4	20.6
31	---	---	---	26.7	12.0	19.1	---	---	---	27.9	21.3	24.7
MONTH	---	---	---	26.7	12.0	17.8	30.9	10.1	22.5	27.9	17.6	20.7

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.6	24.1	26.0	12.0	10.6	11.3	23.8	18.8	20.9	15.7	15.5	15.6
2	29.5	26.3	28.1	15.8	9.4	12.7	24.4	19.1	22.3	15.7	15.5	15.6
3	28.8	25.4	27.0	20.4	10.0	15.4	23.3	20.2	21.3	15.5	15.3	15.4
4	25.4	19.7	21.2	17.5	10.2	14.7	27.8	20.9	24.5	15.5	15.1	15.4
5	19.9	17.7	18.5	16.1	9.7	12.4	26.0	19.7	24.9	16.0	14.4	14.9
6	18.1	14.7	16.8	9.9	8.2	9.2	25.1	18.7	22.6	17.2	15.2	16.1
7	15.2	14.7	14.9	8.6	7.5	8.2	27.7	18.7	22.7	17.5	16.4	16.8
8	15.0	14.7	14.8	9.9	8.1	9.0	29.5	20.0	23.4	18.1	17.5	17.8
9	16.4	14.8	15.5	10.3	9.4	9.8	24.9	18.3	21.6	18.9	18.1	18.6
10	19.0	16.3	18.0	10.6	9.7	10.1	24.4	17.2	21.2	19.2	18.8	18.9
11	18.7	18.4	18.5	14.6	9.4	12.5	23.1	20.0	21.3	19.6	18.3	19.0
12	18.4	17.7	18.0	12.9	8.7	10.6	22.8	21.2	22.3	19.9	19.5	19.7
13	17.8	16.3	16.9	12.3	10.6	11.6	23.4	21.8	22.6	19.9	19.8	19.9
14	16.5	16.4	16.4	12.9	12.3	12.6	21.9	21.5	21.6	19.9	19.4	19.6
15	16.4	16.1	16.2	13.6	12.6	13.4	21.5	20.0	20.6	19.4	17.7	18.3
16	16.3	15.4	15.8	13.7	13.4	13.5	23.0	20.2	22.2	19.9	18.1	18.4
17	15.4	10.5	12.2	13.5	11.8	12.6	23.0	20.4	22.1	19.8	19.2	19.4
18	11.8	10.5	11.4	15.1	10.7	12.4	21.2	20.0	20.4	20.1	19.2	19.4
19	12.5	11.3	12.1	13.9	10.5	11.7	23.7	20.2	21.6	20.3	19.7	19.9
20	12.6	10.9	11.7	12.4	10.5	10.9	21.5	19.4	20.2	20.4	19.9	20.1
21	11.6	10.9	11.4	21.5	10.8	15.1	19.9	18.2	19.1	20.7	20.2	20.3
22	11.4	11.1	11.3	28.5	15.9	24.7	20.0	18.6	19.0	20.8	19.0	19.8
23	11.1	10.4	10.7	31.0	18.3	28.1	20.2	19.3	19.8	20.5	18.9	19.6
24	10.7	10.5	10.6	30.5	13.5	22.5	19.4	19.0	19.3	20.3	19.6	20.0
25	10.6	10.4	10.5	26.9	12.1	20.9	19.2	18.7	19.0	21.3	19.9	20.5
26	10.5	9.8	10.1	21.0	12.6	19.9	19.1	18.4	18.7	23.6	20.9	22.1
27	10.1	8.2	9.0	19.6	16.3	17.4	18.7	18.4	18.5	23.9	22.9	23.6
28	8.8	8.2	8.5	16.3	14.8	15.4	18.5	17.1	18.0	23.4	22.3	22.8
29	8.7	8.4	8.6	21.9	13.1	17.0	17.2	16.2	16.5	22.4	20.6	22.1
30	11.3	8.1	9.1	22.5	16.4	19.9	16.3	15.9	16.1	24.3	19.6	20.6
31	---	---	---	21.3	18.5	20.2	16.0	15.6	15.8	---	---	---
MONTH	29.5	8.1	15.0	31.0	7.5	14.7	29.5	15.6	20.6	24.3	14.4	19.0

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	30.1	28.2	29.1	22.1	20.5	21.1	14.6	12.7	13.4	15.8	12.4	14.1
2	28.8	27.4	28.4	20.6	18.7	19.5	14.7	12.9	13.5	16.8	13.5	15.7
3	28.1	27.2	27.6	22.8	19.1	20.8	16.6	14.6	15.5	13.5	9.8	11.5
4	29.6	27.1	27.9	23.0	22.7	22.9	18.0	16.2	17.0	14.0	9.7	12.2
5	29.9	27.6	28.7	23.6	22.5	23.3	18.0	12.8	15.5	15.6	13.4	14.1
6	29.9	27.9	28.8	22.5	18.5	19.6	12.8	11.3	12.1	14.9	12.8	14.2
7	30.7	28.9	29.7	19.2	16.4	17.8	12.2	10.0	11.3	14.2	11.7	12.7
8	30.2	28.2	28.9	22.1	18.6	19.6	12.0	11.0	11.6	---	---	---
9	28.8	28.1	28.4	21.7	19.8	20.8	13.9	11.4	12.2	---	---	---
10	28.3	26.9	27.6	23.5	21.5	22.3	13.8	12.4	12.8	---	---	---
11	28.7	25.8	27.1	23.8	22.8	23.3	13.1	11.8	12.6	---	---	---
12	28.2	26.4	27.3	23.4	18.6	21.4	13.4	12.1	12.7	---	---	---
13	28.0	25.3	26.7	18.6	14.7	16.3	14.6	13.0	13.8	---	---	---
14	25.3	23.3	24.1	19.9	16.1	18.4	13.6	11.8	12.9	---	---	---
15	23.5	22.3	23.0	21.8	19.9	21.0	17.5	10.8	14.1	---	---	---
16	23.3	21.2	22.0	20.4	13.9	17.3	17.7	12.2	15.5	---	---	---
17	23.1	20.2	22.0	19.3	11.9	14.6	18.6	17.1	17.9	---	---	---
18	23.8	22.2	23.0	19.4	14.7	17.5	19.8	17.8	18.6	---	---	---
19	24.6	23.4	23.8	19.3	18.1	18.7	20.2	18.6	19.4	---	---	---
20	24.8	23.8	24.4	19.2	18.5	18.7	18.6	14.8	16.1	---	---	---
21	26.5	23.8	25.1	18.6	17.3	18.1	16.4	14.1	15.5	---	---	---
22	26.4	24.6	25.3	18.0	15.7	16.8	19.7	16.4	17.7	---	---	---
23	25.4	24.9	25.2	16.1	14.1	15.1	19.1	18.6	18.8	---	---	---
24	25.6	24.4	25.0	17.8	14.8	16.6	20.5	17.1	19.0	---	---	---
25	25.2	24.7	25.0	18.8	17.5	18.1	17.3	12.6	13.9	---	---	---
26	25.2	24.5	24.9	19.7	18.1	18.9	12.6	10.7	11.5	---	---	---
27	26.1	24.5	25.3	19.4	15.4	17.5	13.2	10.8	12.0	---	---	---
28	27.2	25.6	26.5	15.4	12.6	13.9	15.2	11.6	13.5	---	---	---
29	26.6	24.4	25.4	15.0	11.3	12.7	15.4	13.5	14.8	---	---	---
30	24.7	24.2	24.5	15.5	14.1	14.8	17.3	15.1	16.0	---	---	---
31	24.2	22.1	23.1	---	---	---	17.6	15.8	16.9	---	---	---
MONTH	30.7	20.2	25.9	23.8	11.3	18.6	20.5	10.0	14.8	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	16.4	15.9	16.1	18.0	17.0	17.6	27.7	25.4	26.4
2	---	---	---	17.3	15.7	16.5	19.4	17.2	18.1	28.4	26.4	27.3
3	---	---	---	16.6	14.6	15.4	20.7	18.4	19.5	29.6	27.1	28.1
4	---	---	---	15.7	14.3	14.9	23.8	20.2	21.7	29.2	27.5	28.3
5	---	---	---	16.8	15.6	16.1	24.6	23.1	23.7	28.4	26.6	27.6
6	---	---	---	19.2	16.8	17.9	25.7	23.8	24.6	29.1	26.8	27.7
7	---	---	---	19.8	17.5	18.5	26.4	24.2	24.9	29.0	27.1	28.0
8	---	---	---	19.7	18.5	19.1	25.0	20.8	23.0	28.9	27.3	28.1
9	---	---	---	22.4	19.5	20.6	20.8	12.9	16.6	29.0	27.3	28.1
10	---	---	---	22.1	20.6	21.4	17.8	10.6	14.2	29.5	27.4	28.3
11	---	---	---	21.7	19.9	20.6	18.8	14.7	17.0	30.1	27.4	28.6
12	---	---	---	22.2	19.8	20.8	19.6	16.9	18.3	29.4	27.8	28.4
13	16.8	14.9	15.6	23.2	20.9	21.9	21.1	18.2	19.5	28.2	26.8	27.4
14	18.3	15.9	16.8	21.5	19.3	20.6	22.5	19.0	20.7	28.8	25.9	27.2
15	20.3	17.8	18.9	22.0	20.6	21.3	23.1	19.8	21.6	29.3	27.2	28.0
16	20.0	16.7	18.5	21.6	20.4	21.1	24.4	21.5	22.7	29.6	27.2	28.1
17	16.7	13.4	14.4	23.4	19.8	21.3	26.1	22.6	24.2	28.8	27.1	27.9
18	15.3	12.5	14.0	22.6	20.8	21.8	25.4	23.5	24.4	29.0	27.2	28.0
19	16.0	14.4	15.1	22.4	20.6	21.3	25.7	23.6	24.5	28.3	27.2	27.7
20	17.3	15.7	16.3	22.7	21.2	21.9	26.1	23.3	24.6	28.0	26.9	27.5
21	18.7	17.1	17.8	22.2	19.6	20.9	26.7	24.0	25.3	27.4	26.5	27.0
22	18.5	14.9	17.0	20.4	18.9	19.4	26.1	24.1	25.2	27.1	25.6	26.4
23	17.0	14.1	15.6	21.0	18.5	19.8	24.9	23.6	24.2	29.3	24.3	26.4
24	18.6	15.5	16.8	21.0	19.0	20.3	24.8	23.4	24.0	27.6	25.8	26.6
25	18.1	16.6	17.3	21.7	19.7	20.6	27.7	24.0	25.4	28.5	25.8	27.1
26	17.7	16.2	16.8	22.3	20.2	21.2	27.1	23.8	25.5	28.3	27.1	27.7
27	17.8	16.6	17.1	23.8	20.8	22.2	25.7	23.6	24.2	28.1	26.6	27.4
28	16.6	15.9	16.2	23.5	22.4	22.9	25.5	23.7	24.5	28.6	24.8	26.6
29	---	---	---	23.6	18.1	21.4	25.6	23.8	24.5	29.7	25.2	27.2
30	---	---	---	17.1	13.5	15.3	26.5	24.3	25.3	29.1	26.3	27.5
31	---	---	---	18.2	13.1	15.8	---	---	---	29.7	26.4	27.7
MONTH	---	---	---	23.8	13.1	19.6	27.7	10.6	22.3	30.1	24.3	27.6

073802515 BARATARIA BAY PASS EAST OF GRAND ISLE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.7	27.1	28.1	27.4	25.5	26.1	30.9	29.0	29.9	29.3	27.1	27.9
2	28.8	27.2	28.0	27.4	26.4	27.1	29.9	27.8	29.2	31.2	28.5	29.7
3	29.8	26.6	28.0	27.6	26.2	27.2	30.7	28.5	29.7	32.3	29.7	31.0
4	30.1	27.2	28.7	27.4	26.0	26.8	33.4	29.3	31.0	32.4	30.1	31.4
5	30.7	27.4	28.8	27.8	26.0	26.8	32.4	29.7	30.8	30.8	29.0	29.7
6	29.5	27.5	28.1	30.1	26.4	27.6	32.2	29.5	31.1	30.7	27.8	28.9
7	30.0	26.9	28.0	29.2	27.9	28.5	31.8	29.5	30.7	31.6	28.7	30.0
8	31.7	28.5	29.8	29.5	27.1	28.2	31.7	29.5	30.4	31.1	28.9	29.8
9	30.8	29.5	30.1	31.1	28.6	29.7	33.0	30.5	31.5	30.2	28.4	29.0
10	31.2	28.9	30.1	31.3	29.9	30.6	32.8	30.9	31.8	30.1	27.4	28.5
11	30.4	29.0	29.7	32.0	29.5	30.4	32.6	30.7	31.9	29.0	27.9	28.4
12	30.5	28.6	29.4	33.2	30.1	31.2	31.6	29.1	30.0	28.6	27.3	28.0
13	30.2	28.2	29.2	30.7	29.0	29.6	29.1	27.2	28.0	29.7	27.4	28.2
14	30.7	28.9	29.7	29.0	27.2	27.7	30.2	26.7	28.3	31.9	28.7	30.0
15	31.4	29.1	30.0	29.7	27.0	28.0	29.8	28.4	29.2	31.3	28.7	29.8
16	31.7	29.3	30.2	31.6	28.6	29.8	29.4	28.8	29.2	29.0	26.9	28.0
17	31.0	27.3	28.2	31.1	27.9	29.7	29.9	28.9	29.4	29.2	27.0	28.1
18	29.8	27.4	28.3	28.9	26.9	27.9	31.2	29.2	30.0	30.0	27.6	28.8
19	29.3	27.7	28.7	30.1	27.4	28.7	31.4	29.4	30.3	29.8	28.2	29.1
20	28.3	27.7	28.0	29.7	28.0	28.6	31.0	29.4	30.4	29.7	27.2	28.3
21	28.1	27.5	27.8	30.1	28.0	29.1	31.1	29.7	30.3	27.6	26.8	27.1
22	29.7	27.6	28.3	32.4	27.9	29.5	31.5	29.1	30.4	27.3	26.3	27.0
23	31.5	28.8	29.9	30.2	27.8	29.0	32.0	29.6	30.6	27.7	25.2	26.3
24	31.6	30.1	30.9	29.0	26.8	27.9	32.1	29.9	31.0	28.0	26.3	27.1
25	32.5	30.0	31.1	34.1	27.8	30.1	31.7	29.5	30.6	28.0	26.3	27.1
26	31.6	29.8	30.7	33.4	29.2	31.0	31.9	29.8	30.8	28.5	27.0	27.7
27	31.5	29.6	30.4	33.3	30.7	31.9	32.1	30.7	31.3	29.4	28.0	28.5
28	29.8	28.5	29.2	32.5	30.1	31.3	31.2	29.5	29.9	29.3	25.5	27.7
29	29.5	28.3	28.8	31.8	29.4	30.6	30.0	28.4	29.1	25.5	21.9	23.0
30	28.5	25.8	26.9	31.5	29.9	30.8	29.2	27.8	28.4	23.5	20.3	21.6
31	---	---	---	31.2	28.9	30.3	28.2	27.5	27.7	---	---	---
MONTH	32.5	25.8	29.1	34.1	25.5	29.1	33.4	26.7	30.1	32.4	20.3	28.2

07380335 LITTLE LAKE NEAR CUTOFF, LA

LOCATION.--Lat 29°31'03", long 90°10'53", T. 19 S., R. 22 E., Lafourche Parish, Hydrologic Unit 08090301, on platform in Little Lake, 9.3 mi southeast of Cutoff.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 5.08 ft, Aug. 26, 1992; minimum recorded, -0.81 ft, Dec. 8, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.69 ft, Oct. 3; minimum elevation, -0.39 ft, Jan. 17.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.46	1.99	2.19	1.56	1.13	1.38	0.99	0.41	0.66	1.44	0.56	0.93
2	2.09	1.57	1.94	1.52	1.17	1.35	1.18	0.43	0.76	1.47	0.43	0.81
3	4.69	1.98	3.73	1.89	1.48	1.62	1.32	0.54	0.89	0.66	-0.09	0.23
4	3.10	2.14	2.65	1.93	1.30	1.61	1.41	0.68	1.07	0.85	0.14	0.51
5	2.17	1.61	1.88	2.06	1.59	1.86	1.44	0.29	0.78	1.03	0.28	0.65
6	1.66	1.40	1.49	1.97	0.89	1.26	0.91	0.11	0.52	1.06	0.41	0.73
7	1.57	1.19	1.36	1.39	0.71	1.06	0.95	0.22	0.57	0.97	0.24	0.55
8	1.74	1.21	1.44	1.43	0.71	1.07	0.86	0.23	0.54	0.53	0.17	0.36
9	2.25	1.74	1.89	1.54	0.97	1.28	0.98	0.42	0.71	0.98	0.43	0.67
10	2.54	1.87	2.20	1.81	1.18	1.49	1.07	0.36	0.72	---	---	---
11	2.38	1.60	1.98	1.93	1.42	1.67	1.02	0.69	0.86	---	---	---
12	2.20	1.45	1.85	1.71	0.48	1.18	1.41	0.91	1.04	---	---	---
13	1.91	1.25	1.60	0.77	0.42	0.50	1.41	0.49	0.82	---	---	---
14	1.53	1.20	1.35	1.18	0.77	0.95	0.82	0.27	0.49	---	---	---
15	1.67	1.09	1.44	1.27	1.12	1.22	0.99	0.39	0.66	---	---	---
16	1.53	1.09	1.31	1.12	0.13	0.59	1.11	0.41	0.72	0.96	0.26	0.57
17	1.62	1.27	1.46	0.67	-0.03	0.26	1.40	0.54	0.90	0.54	-0.39	0.00
18	1.71	1.26	1.46	0.90	0.36	0.58	1.62	0.85	1.18	0.55	-0.12	0.22
19	1.85	1.70	1.76	0.92	0.27	0.59	1.67	0.91	1.40	0.62	-0.13	0.24
20	1.71	1.45	1.59	1.40	0.44	0.87	1.62	0.61	1.00	0.82	0.01	0.41
21	1.74	1.35	1.53	1.43	0.55	0.91	1.34	0.67	1.00	0.88	0.17	0.55
22	1.81	1.31	1.54	1.14	0.35	0.72	1.47	0.65	1.03	1.00	0.26	0.64
23	1.92	1.44	1.69	0.96	0.31	0.64	1.71	1.01	1.27	0.26	-0.38	-0.17
24	1.90	1.32	1.60	1.13	0.50	0.82	1.93	0.79	1.45	0.23	-0.37	-0.04
25	1.96	1.44	1.71	1.27	0.71	1.00	0.79	0.27	0.51	0.53	-0.08	0.23
26	2.04	1.43	1.73	1.41	0.78	1.10	0.75	0.40	0.56	0.83	0.01	0.39
27	2.05	1.51	1.77	1.25	0.45	0.84	0.68	0.38	0.51	0.87	0.14	0.46
28	2.18	1.58	1.85	0.83	0.27	0.56	0.88	0.32	0.56	1.08	0.22	0.60
29	2.16	1.78	1.99	0.95	0.50	0.66	1.20	0.41	0.75	1.22	0.34	0.74
30	2.20	1.49	1.86	0.98	0.74	0.88	1.75	0.67	1.06	1.22	0.38	0.78
31	1.65	1.21	1.47	---	---	---	1.75	0.87	1.27	1.25	0.43	0.78
MONTH	4.69	1.09	1.78	2.06	-0.03	1.02	1.93	0.11	0.85	---	---	---

07380335 LITTLE LAKE NEAR CUTOFF, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.01	0.25	0.59	1.54	0.93	1.21	0.84	0.62	0.74	1.97	1.41	1.71
2	1.00	0.35	0.70	1.48	0.85	1.13	1.22	0.78	1.03	1.78	1.28	1.53
3	1.17	0.63	0.92	1.60	1.17	1.36	1.60	1.11	1.38	1.74	1.20	1.47
4	1.21	0.49	0.79	1.63	1.36	1.46	1.69	1.23	1.49	1.85	1.09	1.52
5	1.02	0.67	0.78	1.68	1.43	1.56	1.75	1.29	1.53	2.43	1.66	2.07
6	1.24	0.86	1.11	1.65	1.34	1.54	2.06	1.36	1.74	2.59	1.93	2.24
7	0.86	0.26	0.46	1.53	1.19	1.38	2.14	1.53	1.82	2.52	2.05	2.27
8	0.82	0.15	0.46	1.70	1.17	1.45	2.07	1.63	1.84	2.38	1.86	2.12
9	1.33	0.59	0.93	1.57	1.18	1.35	1.69	0.55	1.01	2.30	1.98	2.15
10	1.27	0.56	0.86	1.58	0.96	1.26	0.69	0.17	0.44	2.34	1.98	2.18
11	1.23	0.41	0.75	1.65	0.95	1.30	1.06	0.30	0.66	2.30	1.80	2.01
12	1.23	0.60	0.87	1.76	1.14	1.45	1.09	0.42	0.74	1.80	1.27	1.53
13	1.35	0.55	0.87	1.71	1.16	1.44	1.13	0.58	0.86	1.56	1.21	1.36
14	1.56	0.67	1.04	1.72	1.05	1.39	1.13	0.65	0.83	1.73	1.25	1.53
15	1.74	1.05	1.36	1.86	1.12	1.44	1.05	0.74	0.88	1.85	1.23	1.56
16	1.78	0.86	1.18	1.96	1.49	1.73	1.59	1.05	1.34	1.94	1.15	1.56
17	0.99	0.34	0.65	1.93	1.42	1.67	1.49	1.01	1.27	2.08	1.36	1.71
18	1.10	0.49	0.78	2.06	1.74	1.91	1.60	0.89	1.25	2.05	1.29	1.67
19	1.13	0.76	0.92	2.14	1.72	2.01	1.95	0.95	1.49	2.07	1.20	1.61
20	1.17	0.89	1.02	1.90	1.48	1.74	1.95	1.34	1.63	1.94	1.27	1.60
21	1.85	1.12	1.55	1.59	1.02	1.36	1.65	1.05	1.35	1.65	1.23	1.47
22	1.78	0.65	0.92	1.62	0.90	1.24	1.64	0.96	1.30	1.44	0.96	1.17
23	1.54	0.59	1.08	1.47	0.83	1.14	1.86	0.97	1.35	1.12	0.72	0.95
24	1.51	0.89	1.21	1.47	0.76	1.13	1.93	1.49	1.74	1.31	0.89	1.11
25	1.47	0.80	1.12	1.72	0.90	1.29	1.91	1.41	1.54	1.23	1.07	1.15
26	1.71	0.91	1.28	1.94	1.09	1.51	1.53	1.19	1.34	1.38	0.98	1.22
27	1.71	0.96	1.30	1.92	1.28	1.60	1.41	1.21	1.32	1.36	0.78	1.13
28	1.59	0.86	1.18	1.91	1.36	1.62	1.56	1.41	1.48	1.20	0.67	0.95
29	---	---	---	1.86	0.64	1.23	1.83	1.44	1.64	1.19	0.57	0.89
30	---	---	---	0.64	-0.11	0.19	1.90	1.46	1.72	1.22	0.53	0.88
31	---	---	---	0.63	0.05	0.44	---	---	---	1.12	0.56	0.85
MONTH	1.85	0.15	0.95	2.14	-0.11	1.37	2.14	0.17	1.29	2.59	0.53	1.52
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.19	0.50	0.85	3.12	2.16	2.64	1.40	0.87	1.15	2.67	2.11	2.38
2	1.41	0.54	1.02	2.36	1.91	2.10	1.36	0.98	1.17	2.54	1.92	2.24
3	1.79	0.94	1.33	2.13	1.66	1.89	1.26	1.09	1.19	2.43	1.80	2.14
4	1.87	0.97	1.37	2.25	1.58	1.88	1.38	0.98	1.18	2.36	1.68	2.05
5	1.92	1.15	1.50	2.06	1.74	1.90	1.46	0.93	1.21	2.27	1.61	1.96
6	2.19	1.39	1.77	1.92	1.65	1.77	1.46	0.78	1.15	2.20	1.57	1.89
7	1.83	1.49	1.64	1.91	1.68	1.78	1.37	0.70	1.04	2.21	1.57	1.94
8	1.51	1.21	1.29	1.90	1.46	1.72	1.52	0.70	1.15	2.27	1.72	2.00
9	1.32	1.03	1.15	1.92	1.33	1.65	1.61	0.77	1.25	2.34	1.70	2.04
10	1.40	0.97	1.17	1.89	1.23	1.58	1.65	0.85	1.28	2.22	1.79	1.99
11	1.63	0.99	1.29	1.92	1.21	1.57	1.62	0.90	1.26	2.14	1.91	2.02
12	1.75	1.02	1.44	1.95	1.24	1.60	1.83	0.99	1.43	2.45	2.10	2.30
13	1.86	1.12	1.49	2.22	1.27	1.80	1.89	1.12	1.48	2.48	2.02	2.24
14	1.86	1.10	1.48	2.49	1.61	2.08	1.65	1.22	1.40	2.07	1.73	1.91
15	1.84	1.12	1.47	2.41	1.85	2.11	1.87	1.14	1.52	2.09	1.60	1.86
16	1.74	1.06	1.41	2.12	1.67	1.87	1.71	1.52	1.62	2.03	1.67	1.85
17	1.78	1.06	1.42	1.97	1.40	1.61	1.70	1.35	1.53	2.14	1.60	1.86
18	1.71	1.09	1.41	1.64	1.30	1.46	1.53	1.22	1.37	2.09	1.62	1.85
19	1.71	1.15	1.42	1.40	1.26	1.32	1.73	1.17	1.48	2.18	1.55	1.89
20	1.67	1.22	1.45	1.29	1.01	1.17	1.58	1.12	1.37	2.04	1.52	1.80
21	1.52	1.29	1.41	1.22	0.86	1.06	1.66	1.16	1.40	2.26	1.65	1.95
22	1.62	1.29	1.44	1.28	0.78	1.03	1.82	1.21	1.53	2.29	1.66	2.00
23	1.54	1.20	1.38	1.22	0.76	0.99	1.97	1.29	1.68	2.09	1.57	1.82
24	1.67	1.20	1.43	1.43	0.69	1.08	2.08	1.41	1.78	2.25	1.57	1.96
25	1.84	1.23	1.58	1.41	0.69	1.07	2.30	1.50	1.90	2.29	1.75	2.01
26	1.92	1.41	1.67	1.54	0.80	1.20	2.12	1.54	1.84	2.49	2.17	2.34
27	2.00	1.40	1.71	1.63	0.83	1.22	2.18	1.48	1.85	2.45	2.08	2.26
28	2.30	1.44	1.83	1.60	0.90	1.25	2.09	1.62	1.85	2.32	1.61	1.93
29	2.39	1.67	2.09	1.60	0.89	1.25	2.39	1.70	2.02	1.91	1.44	1.68
30	4.04	2.07	3.08	1.60	0.94	1.26	2.67	2.36	2.52	2.00	1.40	1.72
31	---	---	---	1.47	0.88	1.20	2.63	2.53	2.58	---	---	---
MONTH	4.04	0.50	1.50	3.12	0.69	1.55	2.67	0.70	1.52	2.67	1.40	2.00

07380335 LITTLE LAKE NEAR CUTOFF, LA—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1992 to current year

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: June 1992 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Feb. 20-Mar. 26 and Aug. 24-Sept. 22 when records good; Sept. 23-30 when records fair.

SALINITY: Records excellent except for Feb. 20-Mar. 26 and Aug. 24-Sept. 22 when records good; Sept. 23-30 when records fair.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 43,400 microsiemens/cm, Nov. 7, 2000; minimum, 297 microsiemens/cm, Mar. 11, 1998.

SALINITY: Maximum, 17.9 ppt, May 6, 2003; minimum, 0.2 ppt, Dec. 9, 2002.

WATER TEMPERATURE: Maximum, 34.0°C, Aug. 19, July 3, 1995; minimum, 2.6°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 29,100 microsiemens/cm, May 6; minimum, 429 microsiemens/cm, Dec. 9.

SALINITY: Maximum, 17.9 ppt, May 6; minimum, 0.2 ppt, on several days.

WATER TEMPERATURE: Maximum, 31.9°C, Aug. 27; minimum, 5.7°C, Jan. 24, 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	3,520	2,780	2,980	866	515	637	869	544	697	1,080	750	934
2	3,500	2,640	2,930	1,220	475	639	863	559	681	1,110	680	799
3	12,300	3,180	7,740	2,130	899	1,530	754	596	658	918	448	653
4	11,500	7,570	9,910	1,560	987	1,270	1,070	627	756	759	445	509
5	9,470	5,820	7,180	1,520	957	1,230	1,250	533	856	521	443	485
6	5,820	3,680	4,540	1,480	678	957	533	467	503	811	451	527
7	3,680	2,620	3,060	973	558	703	554	467	501	785	458	563
8	2,620	2,180	2,400	1,020	571	780	722	468	527	918	575	734
9	2,520	2,110	2,250	1,030	616	801	543	429	463	786	513	610
10	2,740	2,080	2,300	1,560	561	939	1,160	479	620	---	---	---
11	2,170	1,940	2,080	1,470	643	1,020	1,010	488	565	---	---	---
12	2,030	1,860	1,930	1,270	621	756	1,120	633	1,020	---	---	---
13	1,960	1,350	1,740	755	493	595	1,060	572	870	---	---	---
14	1,410	1,190	1,340	606	500	558	931	572	703	---	---	---
15	1,590	1,190	1,360	1,030	546	711	832	577	670	---	---	---
16	1,930	1,300	1,590	1,030	560	778	774	562	654	747	643	670
17	1,510	1,160	1,330	1,110	735	855	879	557	634	991	532	767
18	1,580	1,280	1,410	856	807	833	1,240	837	1,020	716	590	641
19	2,000	1,420	1,570	1,230	812	944	2,140	941	1,180	916	585	726
20	2,030	1,430	1,730	1,100	828	989	1,850	815	1,230	1,220	662	910
21	1,660	1,400	1,510	1,070	831	961	1,350	800	1,050	939	720	843
22	1,500	1,420	1,440	1,100	762	927	1,430	815	1,060	2,840	712	1,370
23	1,540	1,450	1,480	774	630	704	1,580	773	1,010	744	513	637
24	1,610	1,480	1,560	845	631	731	9,230	1,080	3,750	927	516	576
25	1,590	1,490	1,550	971	645	783	1,520	621	880	1,030	660	894
26	1,620	1,420	1,540	1,050	662	900	621	485	513	1,300	610	891
27	1,550	1,420	1,480	997	758	846	738	482	577	1,170	623	795
28	2,050	1,440	1,610	759	536	611	860	634	726	2,900	728	1,100
29	1,680	1,410	1,510	671	544	560	1,150	596	804	8,070	1,280	2,950
30	1,550	1,370	1,460	870	669	737	1,480	721	988	10,500	3,140	7,350
31	1,410	807	1,040	---	---	---	1,860	971	1,390	8,720	4,110	6,890
MONTH	12,300	807	2,500	2,130	475	843	9,230	429	889	---	---	---

07380335 LITTLE LAKE NEAR CUTOFF, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7,140	2,280	4,860	3,220	2,300	2,660	1,360	700	859	10,400	5,160	7,230
2	7,380	3,210	5,050	2,440	1,790	2,180	1,320	718	959	8,380	4,690	5,960
3	8,930	5,240	7,430	3,340	1,720	1,970	1,480	735	1,020	6,470	3,810	5,000
4	8,870	1,990	5,410	3,270	1,670	2,110	1,360	854	1,020	9,540	4,120	5,900
5	2,780	1,390	2,030	2,550	2,210	2,320	1,460	938	1,280	21,500	8,490	15,000
6	7,910	2,570	6,210	3,020	1,750	2,470	4,310	952	2,330	29,100	18,800	22,900
7	6,850	1,990	3,510	1,990	1,600	1,840	3,240	1,640	2,200	28,900	21,000	25,100
8	2,680	1,520	1,940	1,840	1,650	1,730	2,240	1,150	1,780	27,100	18,200	22,400
9	8,570	2,210	3,670	2,100	1,670	1,800	1,880	758	1,150	26,300	21,900	24,700
10	9,400	3,780	5,150	1,820	1,460	1,560	923	648	738	27,700	23,600	25,900
11	5,820	2,190	3,230	1,580	1,400	1,490	1,020	647	730	27,700	21,200	23,900
12	6,540	3,850	4,930	1,780	1,420	1,530	868	663	768	22,100	15,400	19,100
13	6,320	2,910	4,440	1,920	1,400	1,550	854	663	769	17,400	11,100	13,500
14	10,100	4,630	5,760	1,700	1,220	1,450	837	666	784	13,800	12,100	13,300
15	12,800	3,090	6,150	1,660	1,420	1,530	927	665	802	16,400	11,200	13,900
16	17,100	4,700	8,780	1,720	1,550	1,620	1,020	732	843	---	---	---
17	7,640	4,240	5,930	1,940	1,580	1,760	1,260	744	968	---	---	---
18	4,750	3,580	4,220	3,830	1,800	2,670	1,940	718	1,140	---	---	---
19	5,700	3,420	4,560	5,760	3,070	4,240	4,100	759	2,170	---	---	---
20	5,320	3,820	4,480	4,070	1,820	2,540	5,800	3,510	4,640	---	---	---
21	16,500	5,250	8,360	2,450	1,450	1,940	5,100	1,280	3,250	---	---	---
22	16,500	3,680	7,850	1,920	1,160	1,350	3,260	1,620	2,560	11,100	6,950	8,990
23	7,420	4,350	5,390	1,190	940	1,030	3,980	1,620	2,360	9,150	6,700	7,220
24	7,420	4,280	5,460	1,030	714	869	12,000	3,980	5,630	9,150	6,140	7,400
25	5,470	3,120	4,290	1,380	808	997	12,000	2,190	6,480	9,110	7,540	8,340
26	4,610	3,840	4,130	1,390	780	990	5,020	2,740	4,080	10,800	6,990	8,990
27	5,600	3,440	4,010	964	836	884	3,280	1,910	2,250	7,710	6,610	7,280
28	4,050	2,680	3,190	1,160	936	1,010	4,580	2,660	3,810	6,780	6,160	6,440
29	---	---	---	1,170	619	852	5,330	4,500	4,800	7,210	5,860	6,270
30	---	---	---	942	589	698	7,630	4,750	5,800	7,420	5,990	6,490
31	---	---	---	729	695	711	---	---	---	7,940	6,120	6,900
MONTH	17,100	1,390	5,020	5,760	589	1,690	12,000	647	2,270	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7,940	5,920	6,850	10,900	6,330	7,820	1,410	1,340	1,370	22,600	13,800	20,600
2	8,880	5,280	6,900	6,330	3,790	5,240	1,410	1,320	1,350	17,700	14,500	16,300
3	9,860	7,230	8,400	4,090	3,070	3,400	1,380	1,290	1,320	14,500	12,800	13,800
4	10,000	6,110	8,100	3,320	2,510	2,670	1,560	1,220	1,320	14,100	12,500	13,400
5	9,890	5,710	7,790	2,700	1,900	2,340	1,540	1,140	1,310	12,500	9,750	11,700
6	10,900	8,160	9,030	2,520	2,200	2,390	1,330	1,090	1,200	10,600	8,250	9,420
7	9,100	6,510	7,970	2,540	2,140	2,360	1,830	1,060	1,130	10,700	8,310	9,620
8	7,280	5,690	6,390	2,540	1,760	2,310	1,210	1,060	1,100	11,400	9,090	10,300
9	6,350	4,100	4,690	2,340	1,890	2,180	1,240	1,070	1,140	11,600	9,460	10,500
10	7,190	4,080	6,100	2,580	1,890	2,350	1,280	1,100	1,170	12,000	10,600	11,200
11	6,990	4,410	5,750	2,470	1,990	2,170	1,440	1,130	1,230	12,400	11,100	11,700
12	6,570	4,360	5,610	2,350	2,100	2,280	1,650	1,170	1,380	18,000	11,400	14,900
13	6,340	4,320	5,510	2,340	1,960	2,140	1,650	1,250	1,480	19,600	14,700	18,100
14	6,030	4,080	5,070	2,640	2,220	2,370	1,640	1,260	1,460	15,000	12,600	14,200
15	5,610	3,700	4,310	2,660	2,210	2,510	1,680	1,110	1,220	12,600	9,540	11,300
16	3,860	3,570	3,710	2,530	2,180	2,300	1,880	1,540	1,630	9,880	7,200	8,940
17	3,690	3,340	3,490	2,390	2,100	2,250	5,620	1,250	2,660	9,220	7,200	8,370
18	3,900	3,100	3,410	2,350	1,880	2,130	1,440	1,200	1,340	9,520	8,330	8,900
19	3,880	3,000	3,360	2,130	1,710	1,860	2,840	1,220	1,600	10,500	8,360	9,420
20	3,510	3,020	3,160	1,780	1,460	1,650	1,920	1,300	1,410	9,740	8,090	9,070
21	3,110	2,760	2,840	1,640	1,450	1,520	1,870	1,340	1,550	9,200	7,920	8,570
22	2,800	2,580	2,710	2,050	1,260	1,530	2,170	1,330	1,710	10,200	9,080	9,810
23	2,580	2,290	2,400	1,940	1,180	1,550	3,130	1,410	2,240	10,200	8,440	8,830
24	3,440	2,360	2,670	1,470	1,220	1,400	4,780	2,130	3,490	8,640	7,760	8,130
25	3,490	2,320	2,770	1,500	1,350	1,430	5,590	3,030	4,390	8,810	8,110	8,480
26	3,330	2,360	2,710	1,520	1,380	1,450	6,550	3,750	4,640	13,500	8,810	10,700
27	3,100	2,280	2,710	1,490	1,350	1,420	7,830	2,620	5,110	15,200	13,500	14,200
28	2,630	2,130	2,390	1,530	1,330	1,430	7,240	4,620	5,910	13,900	11,200	12,800
29	4,140	2,350	2,950	1,470	1,350	1,410	9,760	4,690	6,440	11,200	7,030	8,280
30	12,400	4,090	7,880	1,490	1,360	1,410	19,300	9,760	15,000	7,500	5,440	6,820
31	---	---	---	1,420	1,320	1,380	21,800	17,300	19,800	---	---	---
MONTH	12,400	2,130	4,920	10,900	1,180	2,280	21,800	1,060	3,160	22,600	5,440	11,300

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1.8	1.4	1.5	0.4	0.3	0.3	0.4	0.3	0.3	0.5	0.4	0.5
2	1.8	1.4	1.5	0.6	0.2	0.3	0.4	0.3	0.3	0.5	0.3	0.4
3	7.0	1.7	4.3	1.1	0.4	0.8	0.4	0.3	0.3	0.5	0.2	0.3
4	6.5	4.2	5.6	0.8	0.5	0.6	0.5	0.3	0.4	0.4	0.2	0.3
5	5.3	3.1	3.9	0.8	0.5	0.6	0.6	0.3	0.4	0.3	0.2	0.2
6	3.1	1.9	2.4	0.7	0.3	0.5	0.3	0.2	0.2	0.4	0.2	0.3
7	1.9	1.3	1.6	0.5	0.3	0.3	0.3	0.2	0.2	0.4	0.2	0.3
8	1.3	1.1	1.2	0.5	0.3	0.4	0.4	0.2	0.3	0.5	0.3	0.4
9	1.3	1.1	1.2	0.5	0.3	0.4	0.3	0.2	0.2	0.4	0.3	0.3
10	1.4	1.1	1.2	0.8	0.3	0.5	0.6	0.2	0.3	---	---	---
11	1.1	1.0	1.1	0.7	0.3	0.5	0.5	0.2	0.3	---	---	---
12	1.0	0.9	1.0	0.6	0.3	0.4	0.6	0.3	0.5	---	---	---
13	1.0	0.7	0.9	0.4	0.2	0.3	0.5	0.3	0.4	---	---	---
14	0.7	0.6	0.7	0.3	0.2	0.3	0.5	0.3	0.3	---	---	---
15	0.8	0.6	0.7	0.5	0.3	0.3	0.4	0.3	0.3	---	---	---
16	1.0	0.6	0.8	0.5	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.3
17	0.8	0.6	0.7	0.5	0.4	0.4	0.4	0.3	0.3	0.5	0.3	0.4
18	0.8	0.6	0.7	0.4	0.4	0.4	0.6	0.4	0.5	0.4	0.3	0.3
19	1.0	0.7	0.8	0.6	0.4	0.5	1.1	0.5	0.6	0.4	0.3	0.4
20	1.0	0.7	0.9	0.5	0.4	0.5	0.9	0.4	0.6	0.6	0.3	0.4
21	0.8	0.7	0.8	0.5	0.4	0.5	0.7	0.4	0.5	0.5	0.4	0.4
22	0.8	0.7	0.7	0.5	0.4	0.5	0.7	0.4	0.5	1.5	0.3	0.7
23	0.8	0.7	0.7	0.4	0.3	0.3	0.8	0.4	0.5	0.4	0.3	0.3
24	0.8	0.7	0.8	0.4	0.3	0.4	5.2	0.5	2.0	0.5	0.3	0.3
25	0.8	0.7	0.8	0.5	0.3	0.4	0.8	0.3	0.4	0.5	0.3	0.4
26	0.8	0.7	0.8	0.5	0.3	0.4	0.3	0.2	0.3	0.6	0.3	0.4
27	0.8	0.7	0.7	0.5	0.4	0.4	0.4	0.2	0.3	0.6	0.3	0.4
28	1.0	0.7	0.8	0.4	0.3	0.3	0.4	0.3	0.4	1.5	0.4	0.5
29	0.8	0.7	0.8	0.3	0.3	0.3	0.6	0.3	0.4	4.5	0.6	1.5
30	0.8	0.7	0.7	0.4	0.3	0.4	0.7	0.4	0.5	6.0	1.6	4.1
31	0.7	0.4	0.5	---	---	---	0.9	0.5	0.7	4.9	2.2	3.8
MONTH	7.0	0.4	1.3	1.1	0.2	0.4	5.2	0.2	0.4	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	3.9	1.2	2.6	1.7	1.2	1.4	0.7	0.3	0.4	5.9	2.8	4.0
2	4.1	1.7	2.7	1.3	0.9	1.1	0.7	0.4	0.5	4.6	2.5	3.2
3	5.0	2.8	4.1	1.7	0.9	1.0	0.7	0.4	0.5	3.5	2.0	2.7
4	4.9	1.0	2.9	1.7	0.8	1.1	0.7	0.4	0.5	5.3	2.2	3.2
5	1.4	0.7	1.0	1.3	1.1	1.2	0.7	0.5	0.6	12.9	4.7	8.8
6	4.4	1.3	3.4	1.6	0.9	1.3	2.3	0.5	1.2	17.9	11.1	13.8
7	3.7	1.0	1.8	1.0	0.8	0.9	1.7	0.8	1.1	17.8	12.6	15.3
8	1.4	0.8	1.0	0.9	0.8	0.9	1.1	0.6	0.9	16.6	10.7	13.5
9	4.8	1.1	1.9	1.1	0.8	0.9	1.0	0.4	0.6	16.1	13.2	15.0
10	5.3	2.0	2.8	0.9	0.7	0.8	0.5	0.3	0.4	17.0	14.3	15.8
11	3.1	1.1	1.7	0.8	0.7	0.7	0.5	0.3	0.4	17.0	12.7	14.5
12	3.6	2.0	2.6	0.9	0.7	0.8	0.4	0.3	0.4	13.3	9.0	11.4
13	3.4	1.5	2.4	1.0	0.7	0.8	0.4	0.3	0.4	10.2	6.3	7.8
14	5.7	2.5	3.1	0.9	0.6	0.7	0.4	0.3	0.4	7.9	6.9	7.6
15	7.4	1.6	3.4	0.8	0.7	0.8	0.5	0.3	0.4	9.6	6.3	8.0
16	10.1	2.5	4.9	0.9	0.8	0.8	0.5	0.4	0.4	---	---	---
17	4.2	2.2	3.2	1.0	0.8	0.9	0.6	0.4	0.5	---	---	---
18	2.5	1.9	2.2	2.0	0.9	1.4	1.0	0.4	0.6	---	---	---
19	3.1	1.8	2.4	3.1	1.6	2.3	2.2	0.4	1.1	---	---	---
20	2.9	2.0	2.4	2.2	0.9	1.3	3.1	1.8	2.5	---	---	---
21	9.7	2.8	4.7	1.3	0.7	1.0	2.7	0.6	1.7	---	---	---
22	9.7	1.9	4.4	1.0	0.6	0.7	1.7	0.8	1.3	6.3	3.8	5.0
23	4.1	2.3	2.9	0.6	0.5	0.5	2.1	0.8	1.2	5.1	3.7	4.0
24	4.1	2.3	2.9	0.5	0.4	0.4	6.8	2.1	3.0	5.1	3.3	4.1
25	2.9	1.6	2.3	0.7	0.4	0.5	6.8	1.1	3.6	5.1	4.2	4.6
26	2.5	2.0	2.2	0.7	0.4	0.5	2.7	1.4	2.2	6.1	3.8	5.0
27	3.0	1.8	2.1	0.5	0.4	0.4	1.7	1.0	1.2	4.3	3.6	4.0
28	2.1	1.4	1.7	0.6	0.5	0.5	2.4	1.4	2.0	3.7	3.3	3.5
29	---	---	---	0.6	0.3	0.4	2.9	2.4	2.6	4.0	3.2	3.4
30	---	---	---	0.5	0.3	0.3	4.2	2.5	3.1	4.1	3.2	3.5
31	---	---	---	0.4	0.3	0.3	---	---	---	4.4	3.3	3.8
MONTH	10.1	0.7	2.7	3.1	0.3	0.9	6.8	0.3	1.2	---	---	---

07380335 LITTLE LAKE NEAR CUTOFF, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4.4	3.2	3.7	6.2	3.4	4.3	0.7	0.7	0.7	13.6	7.9	12.3
2	4.9	2.8	3.8	3.4	2.0	2.8	0.7	0.7	0.7	10.4	8.4	9.5
3	5.5	4.0	4.7	2.2	1.6	1.8	0.7	0.6	0.7	8.4	7.4	8.0
4	5.6	3.3	4.5	1.7	1.3	1.4	0.8	0.6	0.7	8.1	7.2	7.7
5	5.6	3.1	4.3	1.4	1.0	1.2	0.8	0.6	0.7	7.2	5.5	6.7
6	6.2	4.5	5.0	1.3	1.1	1.2	0.7	0.5	0.6	6.0	4.6	5.3
7	5.1	3.5	4.4	1.3	1.1	1.2	0.9	0.5	0.6	6.1	4.6	5.4
8	4.0	3.1	3.5	1.3	0.9	1.2	0.6	0.5	0.5	6.5	5.1	5.8
9	3.5	2.2	2.5	1.2	1.0	1.1	0.6	0.5	0.6	6.6	5.3	5.9
10	3.9	2.2	3.3	1.3	1.0	1.2	0.6	0.5	0.6	6.8	6.0	6.4
11	3.8	2.3	3.1	1.3	1.0	1.1	0.7	0.6	0.6	7.1	6.3	6.6
12	3.6	2.3	3.0	1.2	1.1	1.2	0.8	0.6	0.7	10.6	6.5	8.7
13	3.4	2.3	3.0	1.2	1.0	1.1	0.8	0.6	0.7	11.7	8.6	10.7
14	3.3	2.2	2.7	1.4	1.1	1.2	0.8	0.6	0.7	8.7	7.2	8.2
15	3.0	1.9	2.3	1.4	1.1	1.3	0.8	0.5	0.6	7.2	5.3	6.4
16	2.0	1.9	2.0	1.3	1.1	1.2	1.0	0.8	0.8	5.5	4.0	5.0
17	1.9	1.7	1.8	1.2	1.1	1.1	3.0	0.6	1.4	5.2	4.0	4.6
18	2.1	1.6	1.8	1.2	1.0	1.1	0.7	0.6	0.7	5.3	4.6	5.0
19	2.0	1.6	1.8	1.1	0.9	0.9	1.5	0.6	0.8	6.0	4.6	5.3
20	1.8	1.6	1.6	0.9	0.7	0.8	1.0	0.6	0.7	5.5	4.5	5.1
21	1.6	1.4	1.5	0.8	0.7	0.8	0.9	0.7	0.8	5.1	4.4	4.8
22	1.4	1.3	1.4	1.0	0.6	0.8	1.1	0.7	0.9	5.8	5.1	5.5
23	1.3	1.2	1.2	1.0	0.6	0.8	1.6	0.7	1.1	5.8	4.7	4.9
24	1.8	1.2	1.4	0.7	0.6	0.7	2.6	1.1	1.8	4.8	4.3	4.5
25	1.8	1.2	1.4	0.8	0.7	0.7	3.0	1.6	2.3	4.9	4.5	4.7
26	1.7	1.2	1.4	0.8	0.7	0.7	3.6	2.0	2.5	7.8	4.9	6.0
27	1.6	1.2	1.4	0.7	0.7	0.7	4.3	1.3	2.8	8.9	7.8	8.2
28	1.4	1.1	1.2	0.8	0.7	0.7	4.0	2.5	3.2	8.0	6.3	7.4
29	2.2	1.2	1.5	0.7	0.7	0.7	5.5	2.5	3.5	6.3	3.9	4.6
30	7.1	2.2	4.4	0.7	0.7	0.7	11.5	5.5	8.7	4.1	2.9	3.7
31	---	---	---	0.7	0.7	0.7	13.1	10.2	11.8	---	---	---
MONTH	7.1	1.1	2.7	6.2	0.6	1.2	13.1	0.5	1.7	13.6	2.9	6.4

MISSISSIPPI RIVER DELTA

07380335 LITTLE LAKE NEAR CUTOFF, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.9	27.4	28.1	21.8	20.0	21.0	13.7	12.6	13.0	15.3	13.5	14.3
2	28.5	27.6	28.0	20.0	18.6	19.1	13.8	11.9	12.8	15.1	13.3	14.2
3	27.6	26.5	26.9	19.5	18.2	18.8	14.5	12.9	13.7	13.3	11.7	12.4
4	27.8	26.6	26.9	20.1	19.5	19.8	15.8	13.9	14.9	12.0	10.9	11.5
5	28.7	27.5	28.0	20.9	20.1	20.5	15.8	12.3	14.3	13.1	11.0	12.0
6	29.1	28.1	28.6	20.1	18.3	19.2	12.3	11.2	11.7	13.4	12.1	12.7
7	29.7	28.4	28.9	18.9	17.2	18.0	11.6	10.7	11.1	12.5	10.8	11.9
8	28.9	27.4	28.2	19.3	17.4	18.2	11.6	10.8	11.1	12.9	10.1	11.6
9	28.1	27.5	27.9	20.2	18.1	19.2	11.7	11.0	11.3	13.4	11.5	12.4
10	27.5	26.7	27.1	22.8	19.3	20.8	11.5	11.2	11.4	---	---	---
11	27.8	26.0	26.7	22.4	21.5	21.9	11.8	10.8	11.2	---	---	---
12	27.3	26.3	26.7	22.1	19.0	20.8	11.8	11.3	11.5	---	---	---
13	26.5	25.1	26.1	19.0	16.6	17.4	13.5	11.6	12.2	---	---	---
14	25.1	22.6	23.6	17.8	16.3	16.8	12.6	11.5	12.0	---	---	---
15	23.1	21.9	22.5	18.8	17.1	17.9	13.6	11.5	12.3	---	---	---
16	22.0	20.7	21.4	18.2	14.3	16.7	14.1	11.9	12.8	12.1	9.6	10.5
17	22.2	20.6	21.0	15.2	13.2	14.2	14.9	12.6	13.6	10.2	8.3	9.3
18	22.0	20.4	21.2	14.9	13.5	14.3	16.1	13.8	14.9	9.4	7.7	8.5
19	23.0	21.6	22.2	16.6	14.8	15.7	18.8	15.6	16.9	9.3	7.6	8.5
20	24.0	22.4	23.2	16.9	16.0	16.4	18.0	15.2	16.4	12.4	8.7	10.2
21	24.1	23.0	23.6	17.4	16.0	16.6	15.8	14.4	15.2	14.1	10.6	12.1
22	24.5	23.3	23.8	16.7	15.2	16.1	16.8	15.4	16.0	14.1	12.5	13.1
23	24.4	23.6	24.0	15.6	14.4	15.0	17.2	16.2	16.6	13.4	7.4	10.5
24	24.8	23.8	24.2	16.0	14.3	15.1	18.6	16.7	17.7	7.4	5.7	6.4
25	24.5	24.0	24.2	16.8	15.5	16.0	16.7	13.4	14.8	7.3	5.7	6.6
26	24.3	24.0	24.1	17.6	16.2	16.8	13.4	11.5	12.2	7.5	6.7	7.2
27	25.3	23.8	24.5	17.1	14.6	16.0	12.2	11.0	11.5	8.7	7.1	7.8
28	26.3	24.7	25.4	14.6	13.1	13.8	12.2	11.1	11.7	9.5	7.9	8.7
29	25.7	24.5	25.1	14.0	12.6	13.1	13.3	11.4	12.3	11.3	8.9	9.9
30	24.8	24.0	24.5	14.0	13.5	13.8	14.0	12.8	13.4	11.8	10.8	11.3
31	24.0	21.7	22.9	---	---	---	16.3	14.0	14.8	12.5	11.6	11.8
MONTH	29.7	20.4	25.1	22.8	12.6	17.3	18.8	10.7	13.4	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	14.1	11.8	12.7	15.8	15.4	15.7	18.3	14.9	16.3	27.5	25.4	26.4
2	15.2	12.3	13.5	16.3	15.2	15.8	18.1	16.5	17.4	28.4	26.2	27.3
3	15.6	13.9	14.7	15.5	13.9	14.7	19.0	17.7	18.4	28.9	27.2	28.0
4	15.8	14.5	15.1	14.7	13.8	14.3	21.3	19.0	20.1	29.0	27.6	28.3
5	14.5	12.6	13.4	16.2	14.6	15.3	22.9	21.3	22.1	28.3	27.3	27.8
6	14.0	13.0	13.5	17.0	16.2	16.6	24.0	22.9	23.6	28.1	27.1	27.6
7	13.8	10.7	12.3	17.8	16.5	17.0	24.5	23.4	23.8	28.4	27.1	27.7
8	10.7	9.8	10.3	17.8	17.2	17.5	23.6	21.4	22.8	28.5	27.3	27.8
9	11.3	10.2	10.6	19.1	17.7	18.4	21.4	15.2	18.4	28.8	27.3	28.0
10	13.0	11.0	11.8	20.8	18.5	19.5	16.2	13.3	14.9	28.8	27.4	28.1
11	13.6	11.2	12.3	20.2	19.6	19.9	16.9	15.6	16.0	28.8	27.3	28.1
12	14.9	12.4	13.4	21.1	19.6	20.3	18.9	16.1	17.3	28.6	27.5	28.0
13	15.3	13.6	14.6	22.2	20.8	21.4	21.0	17.7	19.1	28.0	26.8	27.4
14	16.7	14.8	15.6	22.4	20.6	21.4	22.6	19.2	21.0	28.1	26.4	27.2
15	---	---	---	22.3	21.0	21.6	23.8	21.0	22.6	28.5	26.7	27.4
16	---	---	---	21.4	20.7	20.9	23.0	21.8	22.4	---	---	---
17	16.3	14.0	15.0	22.1	20.4	21.3	25.4	22.5	23.8	---	---	---
18	15.1	13.2	14.1	22.5	21.1	21.9	25.8	23.4	24.5	---	---	---
19	15.1	13.8	14.3	23.0	21.4	22.3	25.4	24.4	25.0	---	---	---
20	16.4	14.5	15.3	22.5	21.4	21.8	25.7	23.9	24.8	---	---	---
21	17.6	16.4	17.0	22.3	20.5	21.2	26.0	24.9	25.5	---	---	---
22	17.9	15.5	16.8	21.2	19.8	20.4	26.0	24.6	25.2	27.5	26.4	27.0
23	16.3	14.5	15.6	21.8	20.6	21.0	25.0	24.2	24.6	27.7	25.3	26.3
24	17.9	15.6	16.6	22.5	20.6	21.2	25.0	23.9	24.4	27.8	25.9	26.5
25	17.6	16.3	16.8	21.8	20.7	21.2	26.0	24.0	24.8	28.6	26.0	27.2
26	16.9	16.1	16.5	22.3	20.7	21.3	26.0	24.4	25.1	29.3	27.1	27.9
27	16.8	16.2	16.6	22.9	20.5	21.4	24.9	23.3	23.8	28.4	27.0	27.9
28	16.2	15.7	15.8	23.7	21.3	22.3	26.3	23.8	24.9	28.4	25.8	26.6
29	---	---	---	22.8	17.7	20.8	25.8	24.3	25.1	27.6	25.5	26.5
30	---	---	---	17.7	15.0	16.1	26.6	24.5	25.5	27.9	25.7	26.7
31	---	---	---	16.7	14.2	15.2	---	---	---	28.2	26.1	27.3
MONTH	---	---	---	23.7	13.8	19.3	26.6	13.3	22.1	---	---	---

07380335 LITTLE LAKE NEAR CUTOFF, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.1	26.6	27.7	26.6	25.9	26.3	30.9	29.6	30.2	30.1	28.0	28.5
2	29.2	27.8	28.5	28.1	26.5	26.9	30.5	29.3	29.9	30.0	28.8	29.2
3	28.6	27.5	28.0	28.5	27.2	27.8	29.6	28.6	29.2	31.5	29.4	30.1
4	29.1	27.5	28.1	28.0	27.2	27.7	30.7	28.8	29.5	31.5	30.3	30.9
5	28.6	27.5	28.0	28.1	27.0	27.4	31.6	29.2	30.2	30.8	29.3	30.0
6	27.9	27.1	27.4	28.6	26.9	27.7	30.4	29.6	30.0	30.3	28.0	28.9
7	28.4	27.1	27.5	29.0	27.8	28.4	30.6	29.2	29.6	30.4	28.5	29.3
8	29.1	28.1	28.6	29.1	28.0	28.5	31.0	28.9	29.7	29.9	28.8	29.3
9	31.7	28.8	29.6	30.3	28.0	28.7	31.4	29.2	30.0	29.0	28.2	28.6
10	31.0	29.2	30.2	31.2	29.5	30.1	31.2	29.7	30.4	29.2	27.6	28.4
11	30.8	28.8	29.5	31.1	29.7	30.3	30.8	29.8	30.3	29.4	27.9	28.5
12	29.6	28.7	29.2	31.3	29.7	30.3	30.0	28.6	29.1	28.6	27.6	28.1
13	30.3	28.3	29.2	30.4	29.4	29.8	28.6	27.7	28.2	29.1	27.5	28.0
14	30.7	28.8	29.7	29.4	28.2	28.6	29.2	27.2	28.2	30.4	28.0	29.0
15	30.8	29.3	30.0	29.5	27.7	28.5	29.2	28.0	28.7	29.7	28.3	29.0
16	30.8	29.2	30.0	30.6	28.6	29.2	29.6	28.6	29.0	28.5	27.4	28.0
17	30.3	28.9	29.4	31.2	29.2	30.1	30.4	28.5	29.4	28.8	27.0	27.6
18	30.1	28.6	29.1	30.5	28.4	29.1	30.2	28.6	29.1	28.7	27.2	27.9
19	29.7	28.5	29.1	31.2	29.0	29.9	30.2	29.2	29.6	28.9	28.0	28.5
20	28.5	28.3	28.4	29.7	28.7	29.2	30.1	29.4	29.7	28.5	27.4	28.2
21	28.3	27.6	28.0	30.5	28.2	29.2	30.8	29.1	29.7	27.8	27.2	27.4
22	29.5	27.6	28.4	31.2	28.6	29.6	30.9	29.3	29.9	27.5	26.6	27.1
23	30.7	28.3	29.0	29.5	28.3	28.9	30.9	29.4	30.0	27.3	25.9	26.6
24	31.3	29.3	30.2	29.4	27.7	28.2	31.2	29.6	30.4	27.8	26.4	27.1
25	30.8	29.4	30.0	29.7	28.0	28.6	31.1	29.9	30.5	27.8	26.5	27.1
26	31.3	29.1	30.0	30.3	28.5	29.3	31.7	30.1	30.8	28.6	26.8	27.5
27	30.3	29.0	29.7	30.7	29.1	29.8	31.9	30.2	31.1	28.5	27.7	28.1
28	29.8	28.5	29.1	31.1	29.7	30.3	31.5	30.5	30.9	28.1	25.7	27.2
29	29.4	28.6	29.0	30.8	29.4	30.1	31.2	29.9	30.4	25.7	22.4	23.7
30	28.6	26.4	27.4	30.6	29.4	30.0	30.3	29.1	29.4	22.5	21.4	21.9
31	---	---	---	30.8	29.5	30.1	29.1	28.3	28.6	---	---	---
MONTH	31.7	26.4	28.9	31.3	25.9	29.0	31.9	27.2	29.7	31.5	21.4	28.0

07380340 TENNESSEE CANAL NEAR CUTOFF, LA

LOCATION.--Lat 29°27'22", long 90°11'45", T. 19 S., R. 22 E., Lafourche Parish, Hydrologic Unit 08090301, on Tennessee Canal, 6.3 mi east northeast of Galliano and 10 mi. southeast of Cutoff.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88. Prior to Oct. 1, 1998, datum of gage was 0.18 ft above NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 5.44 ft, Aug. 26, 1992; minimum recorded elevation, -1.96 ft, Feb. 10, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.84 ft, June 30; minimum elevation, -0.18 ft, Jan. 24.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	1.80	1.40	1.63	0.98	0.51	0.74	1.12	0.45	0.74
2	---	---	---	1.73	1.40	1.58	1.12	0.53	0.80	1.31	0.38	0.80
3	---	---	---	2.04	1.72	1.82	1.23	0.70	0.94	0.47	-0.06	0.17
4	---	---	---	2.05	1.55	1.78	1.40	0.83	1.11	0.70	0.23	0.44
5	---	---	---	2.18	1.83	2.02	1.44	0.54	0.98	0.93	0.32	0.61
6	---	---	---	2.12	1.09	1.51	0.93	0.28	0.61	0.95	0.40	0.67
7	---	---	---	1.52	0.91	1.21	0.98	0.36	0.65	0.89	0.25	0.57
8	---	---	---	1.55	0.92	1.23	0.88	0.33	0.60	0.40	0.11	0.27
9	---	---	---	1.67	1.19	1.42	1.02	0.53	0.76	0.78	0.31	0.53
10	2.70	2.06	2.39	1.91	1.33	1.62	1.12	0.50	0.83	0.88	0.55	0.76
11	2.53	1.82	2.19	1.99	1.52	1.75	1.06	0.63	0.89	0.74	0.34	0.50
12	2.36	1.67	2.04	1.84	0.85	1.46	1.33	0.96	1.09	0.82	0.55	0.65
13	2.09	1.60	1.85	0.86	0.66	0.72	1.34	0.42	0.79	0.94	0.50	0.69
14	1.78	1.45	1.63	1.28	0.85	1.10	0.74	0.20	0.39	0.94	0.27	0.57
15	1.89	1.48	1.73	1.40	1.28	1.35	0.93	0.36	0.60	0.93	0.44	0.69
16	---	---	---	1.39	0.44	0.89	1.00	0.40	0.68	0.98	0.31	0.62
17	---	---	---	0.76	0.18	0.38	1.25	0.56	0.85	0.63	-0.17	0.15
18	---	---	---	0.98	0.56	0.72	1.45	0.89	1.15	0.49	0.03	0.26
19	---	---	---	1.04	0.45	0.73	1.58	1.10	1.36	0.61	0.07	0.32
20	---	---	---	1.29	0.58	0.86	1.53	0.59	0.98	0.78	0.21	0.47
21	---	---	---	1.42	0.63	0.98	1.13	0.69	0.92	0.86	0.34	0.58
22	---	---	---	1.13	0.47	0.80	1.37	0.63	0.99	0.99	0.42	0.70
23	2.14	1.64	1.87	0.98	0.44	0.70	1.44	0.93	1.18	0.43	-0.15	0.11
24	---	---	---	1.15	0.61	0.88	1.78	0.78	1.40	0.28	-0.18	0.01
25	---	---	---	1.30	0.83	1.05	0.78	0.22	0.50	0.59	0.05	0.28
26	---	---	---	1.45	0.85	1.17	0.71	0.32	0.53	0.88	0.16	0.44
27	---	---	---	1.27	0.62	0.99	0.60	0.35	0.47	0.88	0.33	0.56
28	---	---	---	0.89	0.41	0.67	0.81	0.30	0.50	1.04	0.39	0.67
29	---	---	---	0.89	0.48	0.67	1.09	0.42	0.68	1.14	0.47	0.78
30	---	---	---	1.00	0.80	0.91	1.50	0.69	0.98	1.22	0.51	0.83
31	1.87	1.48	1.70	---	---	---	1.67	0.79	1.22	1.25	0.51	0.84
MONTH	---	---	---	2.18	0.18	1.15	1.78	0.20	0.84	1.31	-0.18	0.53

07380340 TENNESSEE CANAL NEAR CUTOFF, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	0.96	0.36	0.63	1.50	0.94	1.19	0.74	0.51	0.65	1.90	1.44	1.69
2	0.98	0.46	0.46	1.42	0.90	1.13	1.15	0.69	0.97	1.72	1.32	1.50
3	1.13	0.74	0.93	---	---	---	1.57	1.07	1.35	1.67	1.15	1.42
4	1.20	0.59	0.92	1.65	1.30	1.45	1.63	1.20	1.43	1.75	1.06	1.42
5	1.05	0.73	0.88	1.61	1.40	1.50	1.68	1.22	1.46	2.25	1.58	1.90
6	1.28	0.99	1.18	1.60	1.45	1.53	1.93	1.32	1.64	2.46	1.78	2.11
7	0.99	0.45	0.69	1.58	1.26	1.42	2.19	1.48	1.75	2.39	1.93	2.15
8	0.91	0.31	0.54	1.66	1.16	1.41	2.05	1.67	1.85	2.26	1.76	2.01
9	1.33	0.69	0.96	1.51	1.13	1.30	1.91	0.66	1.15	2.20	1.87	2.06
10	1.33	0.69	0.93	1.49	0.97	1.21	0.66	0.09	0.32	2.26	1.89	2.05
11	1.17	0.45	0.72	1.61	0.93	1.24	0.97	0.26	0.53	2.22	1.71	1.91
12	1.19	0.62	0.89	1.71	1.11	1.39	0.98	0.39	0.66	1.71	1.22	1.52
13	1.28	0.59	0.84	1.64	1.12	1.39	1.04	0.55	0.79	1.55	1.14	1.31
14	1.38	0.74	1.03	1.64	1.02	1.31	1.06	0.63	0.80	1.62	1.18	1.47
15	1.57	1.05	1.31	1.76	1.07	1.38	0.97	0.72	0.83	1.73	1.17	1.47
16	1.69	0.86	1.20	1.93	1.51	1.70	1.54	0.97	1.31	1.77	1.06	1.43
17	0.93	0.35	0.61	1.93	1.36	1.63	1.41	1.00	1.21	1.83	1.22	1.52
18	1.03	0.54	0.75	1.99	1.74	1.86	1.55	0.86	1.21	1.81	1.14	1.48
19	1.08	0.76	0.89	2.11	1.74	1.99	1.88	0.96	1.44	1.83	1.12	1.45
20	1.18	0.87	1.00	1.78	1.46	1.68	1.92	1.33	1.64	1.78	1.16	1.47
21	1.69	1.17	1.44	1.46	1.01	1.31	1.62	1.05	1.35	1.68	1.18	1.49
22	1.62	0.44	0.85	1.63	0.89	1.19	1.62	1.02	1.29	1.61	1.07	1.27
23	1.45	0.48	0.90	1.39	0.81	1.08	1.80	1.00	1.33	1.25	0.82	1.04
24	1.43	0.84	1.15	1.40	0.72	1.07	1.81	1.50	1.68	1.37	0.97	1.16
25	1.41	0.88	1.11	1.66	0.87	1.22	1.81	1.31	1.49	1.27	1.10	1.18
26	1.60	0.91	1.22	1.98	1.09	1.50	1.52	1.17	1.35	1.43	1.04	1.28
27	1.61	0.98	1.26	1.91	1.30	1.61	1.51	1.23	1.34	1.42	0.97	1.21
28	1.54	0.88	1.17	1.87	1.31	1.58	1.53	1.36	1.45	1.27	0.82	1.05
29	---	---	---	1.80	0.95	1.46	1.85	1.41	1.62	1.25	0.71	0.96
30	---	---	---	0.95	-0.04	0.40	1.90	1.50	1.71	1.22	0.61	0.92
31	---	---	---	0.51	-0.02	0.34	---	---	---	1.03	0.61	0.84
MONTH	1.69	0.31	0.94	---	---	---	2.19	0.09	1.25	2.46	0.61	1.48
JUNE				JULY			AUGUST			SEPTEMBER		
1	1.20	0.53	0.84	3.36	2.18	2.66	1.34	0.84	1.10	2.62	2.04	2.34
2	1.38	0.60	1.01	2.26	1.86	2.04	1.30	0.93	1.12	2.51	1.87	2.20
3	1.68	0.99	1.33	2.03	1.60	1.81	1.21	1.04	1.13	2.39	1.75	2.10
4	1.79	1.03	1.39	2.08	1.54	1.78	1.31	0.91	1.12	2.29	1.63	2.00
5	1.91	1.22	1.55	1.95	1.64	1.81	1.41	0.91	1.17	2.22	1.63	1.95
6	2.13	1.45	1.80	1.79	1.56	1.69	1.40	0.74	1.13	2.16	1.60	1.89
7	1.84	1.51	1.67	1.86	1.60	1.71	1.21	0.68	0.94	2.17	1.55	1.89
8	1.60	1.23	1.34	1.93	1.48	1.72	1.46	0.67	1.09	2.22	1.73	1.98
9	1.35	1.04	1.19	1.95	1.35	1.67	1.59	0.82	1.22	2.26	1.67	1.99
10	1.38	0.98	1.19	1.88	1.27	1.57	1.62	0.88	1.25	2.17	1.74	1.96
11	1.61	0.98	1.29	1.87	1.19	1.54	1.55	0.94	1.23	2.16	1.86	1.98
12	1.71	1.05	1.41	1.90	1.23	1.58	1.81	0.97	1.37	2.37	2.02	2.24
13	1.82	1.12	1.49	2.17	1.27	1.73	1.81	1.12	1.46	2.41	1.97	2.19
14	1.82	1.12	1.48	2.49	1.63	2.06	1.66	1.22	1.42	2.01	1.69	1.86
15	1.78	1.14	1.48	2.37	1.84	2.11	1.90	1.24	1.55	2.11	1.43	1.75
16	1.76	1.10	1.43	2.07	1.63	1.83	1.69	1.54	1.62	1.92	1.46	1.69
17	1.79	1.14	1.46	1.76	1.36	1.56	1.68	1.32	1.53	1.95	1.35	1.66
18	1.76	1.14	1.45	1.56	1.24	1.40	1.49	1.15	1.32	1.89	1.36	1.62
19	1.74	1.19	1.48	1.35	1.21	1.26	1.69	1.16	1.45	1.94	1.32	1.65
20	1.69	1.27	1.48	1.28	0.96	1.14	1.56	1.08	1.34	1.82	1.32	1.57
21	1.55	1.31	1.44	1.15	0.79	1.01	1.62	1.10	1.38	2.02	1.37	1.74
22	1.67	1.35	1.49	1.19	0.71	0.97	1.81	1.14	1.51	2.07	1.45	1.79
23	1.60	1.22	1.42	1.10	0.71	0.92	1.97	1.26	1.67	1.92	1.42	1.66
24	1.72	1.22	1.47	1.27	0.71	1.00	2.08	1.43	1.78	2.09	1.39	1.78
25	1.88	1.29	1.62	1.35	0.67	1.02	2.24	1.50	1.89	2.09	1.62	1.83
26	1.96	1.44	1.71	1.48	0.78	1.15	2.09	1.59	1.83	2.27	1.95	2.14
27	2.06	1.46	1.76	1.56	0.82	1.17	2.13	1.46	1.80	2.23	1.85	2.04
28	2.29	1.48	1.87	1.58	0.88	1.23	2.05	1.60	1.81	2.09	1.51	1.83
29	2.41	1.75	2.11	1.53	0.85	1.20	2.29	1.65	1.94	1.85	1.38	1.64
30	3.84	2.16	3.01	1.52	0.91	1.22	2.62	2.29	2.47	2.00	1.39	1.73
31	---	---	---	1.41	0.87	1.14	2.58	2.47	2.53	---	---	---
MONTH	3.84	0.53	1.52	3.36	0.67	1.51	2.62	0.67	1.49	2.62	1.32	1.89

07380340 TENNESSEE CANAL NEAR CUTOFF, LA—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1992 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: May 1992 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Dec. 2-Mar.26, Apr. 1-11, May 24-29, July 24-Aug. 12, and Aug. 27-Sept. 30 when records good; Apr. 12-19 and May 30-June 3 when records fair; Apr. 20-May 13 and June 4-17 when records poor.

SALINITY: Records excellent except for Dec. 2-Mar.26, Apr. 1-11, May 24-29, July 24-Aug. 12, and Aug. 27-Sept. 30 when records good; Apr. 12-19 and May 30-June 3 when records fair; Apr. 20-May 13 and June 4-17 when records poor.

TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 44,200 microsiemens/cm, May 26, 2000; minimum recorded, 693 microsiemens/cm, July 18, 1997.

SALINITY: Maximum recorded, 11.5 ppt, May 21, 2003; minimum recorded, 0.9 ppt, Aug. 15, 2003.

WATER TEMPERATURE: Maximum recorded, 37.8°C, June 26, 1996, Aug. 28, 1998; minimum recorded, -0.3°C, Feb. 4, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 19,300 microsiemens/cm, May 21; minimum, 1,730 microsiemens/cm, Aug. 15.

SALINITY: Maximum, 11.5 ppt, May 21; minimum, 0.9 ppt, Aug. 5, 6, 15, 16.

WATER TEMPERATURE: Maximum, 34.0°C, July 28; minimum, 3.6°C, Jan. 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	5,340	4,890	5,120	3,620	2,840	3,270	5,160	4,960	5,020
2	---	---	---	5,370	5,040	5,270	3,500	2,680	3,120	5,290	4,870	5,110
3	---	---	---	5,390	5,260	5,340	3,850	3,170	3,510	5,220	4,940	5,110
4	---	---	---	5,580	5,270	5,470	4,140	3,460	3,860	5,170	4,420	4,960
5	---	---	---	5,720	5,350	5,480	4,830	3,910	4,480	5,100	4,650	4,880
6	---	---	---	5,880	5,220	5,610	4,950	4,390	4,760	5,010	4,810	4,920
7	---	---	---	5,520	4,970	5,270	4,770	3,740	4,430	4,960	4,200	4,720
8	---	---	---	5,370	4,750	5,180	4,580	4,100	4,370	4,910	4,450	4,720
9	---	---	---	5,140	4,710	5,010	4,720	4,160	4,500	4,950	4,500	4,780
10	5,930	5,570	5,750	5,270	5,080	5,170	4,800	4,210	4,580	4,920	4,810	4,860
11	6,200	5,930	6,050	5,280	5,210	5,240	4,750	3,810	4,250	4,890	4,150	4,660
12	6,350	6,200	6,270	5,550	5,200	5,370	4,430	3,670	4,000	4,550	3,320	4,200
13	6,330	6,180	6,270	5,400	4,250	4,880	4,290	3,420	3,900	4,540	3,020	3,900
14	6,180	5,990	6,090	5,240	4,850	5,080	4,250	3,060	3,740	4,490	3,040	3,910
15	6,010	5,860	5,980	5,390	4,960	5,250	4,030	2,870	3,450	4,420	3,050	3,760
16	---	---	---	5,420	5,230	5,360	4,130	3,110	3,710	4,520	3,190	3,950
17	---	---	---	5,230	4,410	4,920	4,190	3,450	3,820	4,820	3,820	4,580
18	---	---	---	4,920	4,420	4,720	4,080	3,390	3,680	4,700	4,100	4,500
19	---	---	---	5,060	3,600	4,850	4,180	3,480	3,930	4,580	4,090	4,370
20	---	---	---	4,490	3,600	4,110	4,320	4,160	4,230	4,590	4,080	4,410
21	---	---	---	5,090	4,020	4,680	4,310	4,010	4,170	4,740	4,300	4,560
22	---	---	---	5,150	4,350	4,790	4,440	4,080	4,280	4,750	4,510	4,660
23	4,690	4,620	4,660	4,750	3,300	3,770	4,510	4,400	4,450	4,900	4,610	4,740
24	---	---	---	4,250	3,140	3,840	4,830	4,510	4,640	4,610	3,140	3,790
25	---	---	---	3,960	2,730	3,390	4,910	4,830	4,870	3,700	3,140	3,370
26	---	---	---	3,900	2,310	2,990	4,880	4,820	4,850	3,760	3,190	3,510
27	---	---	---	3,650	2,220	2,980	4,850	4,750	4,800	4,160	3,240	3,790
28	---	---	---	3,990	2,980	3,470	4,810	4,680	4,750	4,220	3,540	3,960
29	---	---	---	3,060	2,350	2,490	4,690	4,380	4,540	4,460	3,880	4,200
30	---	---	---	3,450	2,490	3,040	4,580	4,370	4,480	4,540	4,040	4,360
31	5,060	4,240	4,600	---	---	---	5,030	4,580	4,840	4,580	4,250	4,460
MONTH	---	---	---	5,880	2,220	4,600	5,030	2,680	4,200	5,290	3,020	4,410

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4,650	4,450	4,530	7,370	6,840	7,240	4,630	4,440	4,550	9,380	8,680	8,920
2	4,640	4,410	4,520	7,460	6,640	7,310	4,590	4,530	4,560	9,510	8,690	9,080
3	4,580	4,410	4,500	---	---	---	4,560	4,450	4,520	10,100	9,400	9,740
4	4,750	4,540	4,620	7,000	6,940	6,980	4,720	4,520	4,590	11,400	9,890	10,600
5	4,670	4,480	4,560	7,060	6,950	7,000	4,730	4,580	4,660	11,800	11,300	11,500
6	5,320	4,670	5,010	6,950	6,670	6,830	5,080	4,720	4,900	12,200	11,500	11,700
7	5,320	5,220	5,250	6,670	6,230	6,440	7,350	5,080	5,870	13,000	12,200	12,500
8	5,370	5,230	5,310	6,450	6,250	6,290	9,240	7,350	8,620	13,800	13,000	13,300
9	5,380	5,310	5,340	6,310	6,150	6,260	9,500	9,050	9,350	14,300	13,800	14,000
10	5,460	5,370	5,410	6,150	5,770	5,950	9,180	8,670	8,910	14,900	14,300	14,600
11	5,500	5,340	5,400	5,780	5,550	5,670	8,670	8,110	8,480	15,200	14,900	15,000
12	5,630	5,400	5,470	5,550	5,330	5,480	8,400	7,660	8,030	15,400	15,200	15,300
13	5,830	5,430	5,530	5,370	5,280	5,330	7,740	6,860	7,200	15,700	15,400	15,600
14	5,740	5,510	5,590	5,320	5,190	5,260	6,860	5,510	6,200	---	---	---
15	6,910	5,630	6,020	5,270	4,940	5,130	5,510	4,750	5,000	---	---	---
16	6,930	6,070	6,600	4,940	4,870	4,890	4,810	4,670	4,740	---	---	---
17	6,870	6,740	6,790	4,970	4,870	4,910	4,800	4,550	4,660	---	---	---
18	6,930	6,740	6,810	5,000	4,920	4,950	4,810	4,690	4,770	---	---	---
19	6,880	6,760	6,810	5,400	4,880	5,040	4,920	4,760	4,830	---	---	---
20	6,820	6,750	6,770	5,360	5,200	5,280	5,520	4,920	5,080	---	---	---
21	6,830	6,700	6,730	5,230	4,220	4,810	6,930	5,520	6,460	---	---	---
22	7,340	6,830	7,190	4,860	4,030	4,370	6,120	5,700	5,840	19,200	18,700	18,800
23	7,530	7,300	7,400	5,150	3,460	4,430	5,800	5,690	5,740	18,700	18,300	18,500
24	7,570	7,400	7,470	3,690	2,910	3,430	6,560	5,740	6,030	18,400	18,000	18,200
25	7,450	7,390	7,430	4,490	3,520	3,990	6,890	6,490	6,680	18,000	17,400	17,700
26	7,460	7,420	7,440	4,740	4,450	4,650	7,110	6,680	6,840	17,400	16,800	17,100
27	7,460	7,380	7,410	5,140	4,700	4,930	7,300	6,950	7,140	16,800	16,000	16,400
28	7,400	7,350	7,370	4,850	4,420	4,640	7,720	7,150	7,420	16,000	15,500	15,700
29	---	---	---	4,710	4,420	4,630	8,420	7,710	8,140	15,500	15,100	15,200
30	---	---	---	4,720	4,560	4,620	9,020	8,320	8,660	15,100	14,700	14,800
31	---	---	---	4,650	4,510	4,560	---	---	---	14,700	14,300	14,500
MONTH	7,570	4,410	6,050	---	---	---	9,500	4,440	6,280	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14,300	14,000	14,200	---	---	---	3,390	2,060	2,740	---	---	---
2	14,000	13,700	13,800	---	---	---	3,130	2,170	2,520	---	---	---
3	13,700	13,300	13,400	---	---	---	2,830	2,150	2,500	---	---	---
4	13,300	12,900	13,100	---	---	---	3,210	1,950	2,610	---	---	---
5	12,900	12,000	12,300	---	---	---	3,380	1,820	2,640	---	---	---
6	12,000	11,800	11,900	---	---	---	3,330	1,770	2,520	---	---	---
7	11,800	11,700	11,800	---	---	---	3,650	2,060	2,920	---	---	---
8	11,700	11,500	11,600	---	---	---	3,870	2,130	2,640	---	---	---
9	11,500	11,300	11,400	4,860	3,950	4,500	3,380	1,960	2,370	---	---	---
10	11,300	11,000	11,100	4,900	3,760	4,310	2,970	2,020	2,330	---	---	---
11	11,000	10,700	10,800	4,740	3,560	3,930	2,710	2,020	2,270	---	---	---
12	10,700	10,400	10,500	4,100	2,910	3,430	2,790	1,900	2,290	---	---	---
13	10,400	10,200	10,300	3,610	3,080	3,360	2,490	2,100	2,290	---	---	---
14	10,200	10,000	10,100	3,910	3,310	3,610	2,490	2,020	2,210	---	---	---
15	10,000	9,850	9,930	5,020	3,560	4,440	2,240	1,730	1,950	---	---	---
16	9,850	9,720	9,780	4,530	3,570	4,280	2,220	1,860	2,040	10,400	9,930	10,200
17	9,720	9,510	9,590	4,230	3,370	3,830	2,320	2,010	2,140	10,600	10,100	10,400
18	---	---	---	3,760	3,180	3,510	2,400	1,990	2,120	11,500	10,100	10,700
19	---	---	---	3,600	3,100	3,400	2,380	2,020	2,140	11,500	10,300	11,000
20	---	---	---	3,660	2,780	3,230	2,570	1,970	2,180	11,500	10,100	10,700
21	---	---	---	3,540	3,250	3,430	2,570	2,100	2,220	11,700	10,100	11,000
22	---	---	---	3,620	2,470	3,270	2,440	2,140	2,260	10,900	9,740	10,400
23	---	---	---	3,650	2,350	3,220	2,430	2,210	2,340	9,750	9,200	9,480
24	---	---	---	3,650	1,990	2,760	2,480	2,320	2,410	9,730	8,820	9,250
25	---	---	---	3,480	2,150	2,650	2,570	2,280	2,480	9,420	8,650	9,120
26	---	---	---	3,180	2,290	2,500	2,830	2,430	2,630	11,500	9,160	10,400
27	---	---	---	2,920	2,140	2,460	3,400	2,400	2,880	11,500	9,050	10,400
28	---	---	---	2,820	2,100	2,400	3,470	2,970	3,200	10,600	8,700	9,520
29	---	---	---	2,840	2,240	2,450	4,240	3,180	3,400	8,970	8,450	8,750
30	---	---	---	2,900	2,200	2,570	7,660	4,240	5,670	8,950	8,640	8,770
31	---	---	---	3,020	2,260	2,620	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

07380340 TENNESSEE CANAL NEAR CUTOFF, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	2.9	2.6	2.7	1.9	1.5	1.7	2.8	2.7	2.7
2	---	---	---	2.9	2.7	2.8	1.8	1.4	1.6	2.8	2.6	2.7
3	---	---	---	2.9	2.8	2.9	2.0	1.6	1.8	2.8	2.6	2.7
4	---	---	---	3.0	2.8	2.9	2.2	1.8	2.0	2.8	2.4	2.7
5	---	---	---	3.1	2.9	2.9	2.6	2.1	2.4	2.7	2.5	2.6
6	---	---	---	3.2	2.8	3.0	2.6	2.3	2.5	2.7	2.6	2.6
7	---	---	---	3.0	2.7	2.8	2.5	2.0	2.4	2.7	2.2	2.5
8	---	---	---	2.9	2.5	2.8	2.4	2.2	2.3	2.6	2.4	2.5
9	---	---	---	2.8	2.5	2.7	2.5	2.2	2.4	2.6	2.4	2.6
10	3.2	3.0	3.1	2.8	2.7	2.8	2.6	2.2	2.4	2.6	2.6	2.6
11	3.4	3.2	3.3	2.8	2.8	2.8	2.5	2.0	2.3	2.6	2.2	2.5
12	3.5	3.4	3.4	3.0	2.8	2.9	2.4	1.9	2.1	2.4	1.7	2.2
13	3.4	3.4	3.4	2.9	2.3	2.6	2.3	1.8	2.1	2.4	1.6	2.1
14	3.4	3.2	3.3	2.8	2.6	2.7	2.3	1.6	2.0	2.4	1.6	2.1
15	3.3	3.2	3.2	2.9	2.7	2.8	2.1	1.5	1.8	2.4	1.6	2.0
16	---	---	---	2.9	2.8	2.9	2.2	1.6	2.0	2.4	1.7	2.1
17	---	---	---	2.8	2.3	2.6	2.2	1.8	2.0	2.6	2.0	2.4
18	---	---	---	2.6	2.4	2.5	2.2	1.8	1.9	2.5	2.2	2.4
19	---	---	---	2.7	1.9	2.6	2.2	1.8	2.1	2.4	2.2	2.3
20	---	---	---	2.4	1.9	2.2	2.3	2.2	2.2	2.4	2.2	2.3
21	---	---	---	2.7	2.1	2.5	2.3	2.1	2.2	2.5	2.3	2.4
22	---	---	---	2.8	2.3	2.6	2.4	2.2	2.3	2.5	2.4	2.5
23	2.5	2.5	2.5	2.5	1.7	2.0	2.4	2.3	2.4	2.6	2.5	2.5
24	---	---	---	2.3	1.6	2.0	2.6	2.4	2.5	2.5	1.6	2.0
25	---	---	---	2.1	1.4	1.8	2.6	2.6	2.6	1.9	1.6	1.8
26	---	---	---	2.1	1.2	1.6	2.6	2.6	2.6	2.0	1.7	1.8
27	---	---	---	1.9	1.1	1.5	2.6	2.5	2.6	2.2	1.7	2.0
28	---	---	---	2.1	1.5	1.8	2.6	2.5	2.5	2.2	1.9	2.1
29	---	---	---	1.6	1.2	1.3	2.5	2.3	2.4	2.4	2.0	2.2
30	---	---	---	1.8	1.3	1.6	2.4	2.3	2.4	2.4	2.1	2.3
31	2.7	2.2	2.5	---	---	---	2.7	2.4	2.6	2.4	2.3	2.4
MONTH	---	---	---	3.2	1.1	2.5	2.7	1.4	2.2	2.8	1.6	2.3
FEBRUARY			MARCH			APRIL			MAY			
1	2.5	2.4	2.4	4.1	3.7	4.0	2.5	2.4	2.4	5.2	4.8	5.0
2	2.5	2.3	2.4	4.1	3.6	4.0	2.4	2.4	2.4	5.3	4.8	5.1
3	2.4	2.3	2.4	---	---	---	2.4	2.4	2.4	5.7	5.3	5.5
4	2.5	2.4	2.5	3.8	3.8	3.8	2.5	2.4	2.4	6.5	5.6	6.0
5	2.5	2.4	2.4	3.9	3.8	3.8	2.5	2.4	2.5	6.7	6.4	6.5
6	2.9	2.5	2.7	3.8	3.6	3.7	2.7	2.5	2.6	7.0	6.5	6.7
7	2.9	2.8	2.8	3.6	3.4	3.5	4.0	2.7	3.2	7.5	7.0	7.2
8	2.9	2.8	2.9	3.5	3.4	3.4	5.2	4.0	4.8	7.9	7.5	7.6
9	2.9	2.9	2.9	3.4	3.3	3.4	5.3	5.0	5.2	8.3	7.9	8.1
10	2.9	2.9	2.9	3.3	3.1	3.2	5.1	4.8	5.0	8.7	8.3	8.5
11	3.0	2.9	2.9	3.1	3.0	3.1	4.8	4.5	4.7	8.9	8.7	8.8
12	3.0	2.9	2.9	3.0	2.9	2.9	4.7	4.2	4.4	9.0	8.9	8.9
13	3.2	2.9	3.0	2.9	2.8	2.9	4.3	3.8	4.0	9.1	9.0	9.1
14	3.1	3.0	3.0	2.9	2.8	2.8	3.8	3.0	3.4	---	---	---
15	3.8	3.0	3.3	2.8	2.6	2.8	3.0	2.5	2.7	---	---	---
16	3.8	3.3	3.6	2.6	2.6	2.6	2.6	2.5	2.5	---	---	---
17	3.8	3.7	3.7	2.7	2.6	2.6	2.6	2.4	2.5	---	---	---
18	3.8	3.7	3.7	2.7	2.6	2.7	2.6	2.5	2.5	---	---	---
19	3.8	3.7	3.7	2.9	2.6	2.7	2.6	2.5	2.6	---	---	---
20	3.7	3.7	3.7	2.9	2.8	2.8	3.0	2.6	2.7	---	---	---
21	3.7	3.7	3.7	2.8	2.2	2.6	3.8	3.0	3.5	---	---	---
22	4.0	3.7	3.9	2.6	2.1	2.3	3.3	3.1	3.2	11.4	11.1	11.1
23	4.1	4.0	4.1	2.8	1.8	2.4	3.1	3.1	3.1	11.1	10.8	10.9
24	4.2	4.1	4.1	1.9	1.5	1.8	3.6	3.1	3.3	10.9	10.6	10.7
25	4.1	4.1	4.1	2.4	1.8	2.1	3.8	3.5	3.6	10.6	10.2	10.4
26	4.1	4.1	4.1	2.5	2.4	2.5	3.9	3.6	3.7	10.2	9.9	10.1
27	4.1	4.1	4.1	2.8	2.5	2.6	4.0	3.8	3.9	9.9	9.3	9.6
28	4.1	4.0	4.1	2.6	2.4	2.5	4.3	3.9	4.1	9.3	9.0	9.1
29	---	---	---	2.5	2.4	2.5	4.7	4.3	4.5	9.0	8.8	8.9
30	---	---	---	2.5	2.4	2.5	5.0	4.6	4.8	8.8	8.6	8.6
31	---	---	---	2.5	2.4	2.4	---	---	---	8.6	8.3	8.4
MONTH	4.2	2.3	3.3	---	---	---	5.3	2.4	3.4	---	---	---

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003[illegible]

07380340 TENNESSEE CANAL NEAR CUTOFF, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	23.0	21.4	22.0	14.9	12.6	13.4	16.3	13.6	14.9
2	---	---	---	21.4	19.9	20.4	15.0	11.8	13.3	15.7	13.2	14.7
3	---	---	---	20.5	19.8	20.0	16.8	14.9	15.7	13.2	10.0	11.6
4	---	---	---	21.5	20.5	21.0	19.1	16.4	17.5	13.0	9.8	11.5
5	---	---	---	22.1	21.5	21.8	19.0	12.4	16.0	15.2	11.3	13.1
6	---	---	---	21.8	19.4	20.4	12.4	10.5	11.7	15.2	13.3	14.3
7	---	---	---	19.4	17.8	18.7	12.3	10.1	11.2	14.6	11.2	12.7
8	---	---	---	20.1	18.3	19.2	12.6	10.8	11.7	14.1	11.0	12.5
9	---	---	---	21.4	20.0	20.5	12.8	11.5	12.3	16.4	12.2	14.2
10	28.1	27.4	27.8	23.4	21.4	22.0	12.8	12.1	12.4	16.5	14.5	15.9
11	27.7	26.9	27.2	23.4	23.1	23.3	13.4	11.3	12.2	14.5	10.2	11.3
12	27.7	27.0	27.2	23.1	20.0	21.9	12.8	12.0	12.3	10.3	8.2	9.0
13	27.2	26.4	26.8	20.0	16.6	17.7	13.8	12.8	13.2	9.8	7.0	8.4
14	26.4	23.8	24.9	18.4	16.5	17.3	13.8	13.5	13.6	11.6	8.1	9.8
15	23.8	23.2	23.4	20.1	18.2	18.9	14.1	13.6	13.8	12.1	9.2	10.8
16	---	---	---	20.0	14.9	17.7	15.4	14.1	14.5	14.4	11.2	12.4
17	---	---	---	14.9	12.3	13.7	16.6	15.4	15.7	12.5	8.1	9.6
18	---	---	---	16.3	13.9	15.0	17.6	16.6	16.9	10.1	6.5	8.3
19	---	---	---	18.7	16.0	17.2	19.7	17.6	18.4	11.8	7.5	9.5
20	---	---	---	19.1	18.4	18.7	19.3	16.4	17.2	15.2	10.0	12.4
21	---	---	---	19.1	17.3	18.3	16.4	14.3	15.4	18.3	13.4	15.6
22	---	---	---	18.8	16.5	17.2	19.0	16.0	17.1	18.0	15.4	17.3
23	25.1	24.7	24.9	16.7	13.8	15.4	18.8	18.1	18.3	15.4	6.3	10.1
24	---	---	---	17.2	14.6	15.9	20.1	18.0	19.0	6.7	3.6	5.3
25	---	---	---	19.0	16.5	17.6	18.0	12.8	14.6	8.0	4.8	6.2
26	---	---	---	19.3	17.5	18.5	12.9	11.3	11.9	8.5	7.6	8.0
27	---	---	---	19.0	14.7	16.9	12.3	10.3	11.2	11.2	7.9	9.3
28	---	---	---	14.7	13.0	13.8	13.9	11.2	12.3	12.5	9.8	11.0
29	---	---	---	14.2	11.8	13.0	16.2	13.2	14.5	16.4	12.4	14.2
30	---	---	---	14.9	14.0	14.4	17.1	15.6	16.2	16.2	15.3	15.9
31	24.6	23.0	23.7	---	---	---	17.8	16.3	17.2	16.0	13.6	14.7
MONTH	---	---	---	23.4	11.8	18.3	20.1	10.1	14.5	18.3	3.6	11.8
FEBRUARY			MARCH			APRIL			MAY			
1	16.7	12.7	14.5	15.9	15.3	15.6	20.1	16.2	17.9	28.0	25.5	26.5
2	18.0	13.8	15.8	16.9	15.2	16.1	20.4	18.2	19.4	29.0	26.1	27.4
3	18.7	16.1	17.1	---	---	---	20.8	19.2	20.0	29.7	26.9	28.2
4	18.7	15.6	17.1	14.9	13.5	14.1	23.7	20.4	21.7	29.2	27.3	28.2
5	15.6	11.9	13.1	18.1	14.9	16.1	25.1	22.8	23.9	28.1	26.4	27.1
6	14.8	12.9	13.6	19.4	18.1	18.7	25.3	24.0	24.7	27.3	26.6	26.9
7	14.7	9.6	12.2	19.1	17.6	18.2	25.4	24.2	24.7	27.4	26.6	27.0
8	10.9	8.2	9.5	19.0	18.3	18.6	24.3	21.1	22.7	27.5	26.7	27.1
9	11.8	10.0	10.7	21.6	19.0	19.9	21.1	14.2	17.6	27.6	26.9	27.3
10	15.8	11.8	13.6	22.3	19.7	21.1	17.1	11.4	14.3	27.8	26.9	27.3
11	15.9	12.6	14.4	21.8	20.4	20.9	19.3	14.8	16.6	27.9	26.9	27.4
12	17.9	14.8	16.2	22.1	20.1	20.9	22.1	17.3	19.4	27.9	27.0	27.4
13	17.8	15.6	16.9	23.0	21.9	22.3	24.1	19.6	21.7	27.0	26.1	26.5
14	19.5	17.0	18.1	23.0	20.6	21.9	25.6	22.0	23.8	26.9	26.1	26.4
15	20.4	18.4	19.3	24.7	21.3	22.8	25.7	22.7	24.1	27.1	26.6	26.8
16	20.2	16.6	19.0	23.8	21.6	22.4	25.1	23.1	24.1	27.3	26.7	26.9
17	16.6	13.1	14.2	23.6	20.7	22.0	26.0	22.9	24.2	27.3	26.8	27.0
18	15.4	11.4	13.2	23.4	22.1	22.7	26.9	23.8	25.2	27.2	26.6	26.9
19	16.9	13.7	15.0	23.3	21.6	22.5	26.4	24.7	25.5	27.4	26.7	27.0
20	18.3	16.2	17.0	22.9	21.5	22.3	26.0	23.8	25.0	27.5	26.9	27.2
21	19.3	18.0	18.4	21.9	19.6	20.7	27.2	24.8	25.8	28.0	27.4	27.6
22	19.4	15.3	17.4	22.9	18.8	20.6	26.6	23.9	25.1	27.8	26.6	26.9
23	17.0	13.3	15.0	23.6	20.2	21.7	25.3	23.5	24.3	26.6	25.3	25.9
24	19.5	15.8	17.4	24.2	20.0	21.8	25.1	23.5	24.3	27.5	26.0	26.6
25	19.1	16.7	17.6	22.4	20.8	21.7	26.4	23.9	25.1	27.8	26.9	27.3
26	17.4	16.0	16.5	22.6	21.2	21.9	26.4	23.7	25.1	28.1	27.1	27.6
27	17.5	16.5	17.0	23.6	20.2	21.8	26.5	22.5	24.4	28.1	27.3	27.6
28	16.6	15.3	15.8	24.9	22.2	23.5	26.9	24.5	25.6	27.4	25.5	26.3
29	---	---	---	24.6	16.8	21.3	26.4	24.5	25.4	27.1	25.9	26.4
30	---	---	---	16.8	13.7	15.1	26.9	24.4	25.5	27.4	26.2	26.8
31	---	---	---	18.1	13.5	15.6	---	---	---	27.6	26.6	27.1
MONTH	20.4	8.2	15.6	---	---	---	27.2	11.4	22.9	29.7	25.3	27.1

07380340 TENNESSEE CANAL NEAR CUTOFF, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.3	26.6	27.3	27.0	26.6	26.8	31.6	28.4	29.8	---	---	---
2	28.5	27.5	28.0	27.3	26.7	26.9	30.8	28.6	29.6	---	---	---
3	28.4	27.2	27.7	27.6	27.2	27.3	30.8	27.9	29.3	---	---	---
4	28.2	27.4	27.8	27.6	27.2	27.4	33.4	28.2	30.4	---	---	---
5	28.0	27.2	27.6	27.2	26.6	26.9	33.7	29.4	31.2	---	---	---
6	28.0	27.0	27.4	27.6	26.9	27.1	31.3	29.4	30.6	---	---	---
7	27.9	26.5	27.0	28.0	27.5	27.6	32.0	28.7	29.8	---	---	---
8	29.4	27.8	28.3	29.9	27.7	28.7	33.3	28.1	30.2	---	---	---
9	30.3	29.0	29.4	31.7	27.8	29.5	32.3	29.4	30.7	---	---	---
10	30.3	29.4	29.9	32.5	28.8	30.6	33.6	29.2	31.0	---	---	---
11	30.3	28.6	29.3	32.2	29.8	30.8	31.6	28.9	30.2	---	---	---
12	29.1	28.2	28.5	32.4	28.7	30.1	29.9	26.7	28.0	---	---	---
13	29.2	28.1	28.6	30.0	28.7	29.3	27.6	26.4	26.9	---	---	---
14	29.9	28.6	29.1	28.7	27.1	27.5	31.4	25.7	28.2	---	---	---
15	30.0	29.0	29.5	30.3	26.4	28.1	30.2	28.1	29.2	---	---	---
16	30.2	28.8	29.5	33.6	28.4	30.6	31.7	28.5	29.7	29.3	26.2	27.6
17	30.1	28.7	29.1	31.4	27.6	30.0	31.0	28.7	30.0	29.2	26.3	27.7
18	29.9	27.9	28.7	31.0	26.5	28.5	32.6	28.2	29.9	30.5	27.4	28.7
19	29.9	28.7	29.2	33.0	28.4	30.5	32.4	29.2	30.5	30.9	28.0	29.2
20	28.7	27.6	27.9	31.1	27.9	29.1	31.4	29.4	30.1	29.4	27.1	28.2
21	27.8	27.2	27.5	31.9	27.6	29.4	32.6	28.7	30.3	27.2	26.4	26.8
22	29.1	27.5	28.0	32.2	28.5	30.1	32.3	28.7	30.4	27.3	26.0	26.5
23	30.9	28.9	29.5	30.4	27.4	29.1	32.0	29.1	30.6	27.7	24.5	26.1
24	30.9	29.9	30.4	31.6	26.4	28.7	31.8	29.5	30.4	28.3	26.1	27.1
25	30.8	29.4	29.9	30.5	28.3	29.4	31.3	29.5	30.4	28.1	26.3	27.2
26	30.1	29.0	29.5	32.1	28.4	30.2	32.1	29.2	30.5	28.5	26.9	27.7
27	30.0	29.0	29.4	33.9	29.6	31.4	31.1	29.9	30.6	29.3	27.7	28.5
28	29.0	28.2	28.6	34.0	29.6	31.2	30.6	28.8	29.5	28.9	25.6	27.3
29	29.0	28.2	28.5	31.2	29.3	30.3	29.5	27.9	28.6	25.6	21.7	23.2
30	28.5	27.0	27.6	31.6	28.4	30.0	28.2	26.1	26.7	22.4	20.1	21.4
31	---	---	---	32.1	28.9	30.2	---	---	---	---	---	---
MONTH	30.9	26.5	28.6	34.0	26.4	29.1	---	---	---	---	---	---

07380401 BAYOU LAFOURCHE SW OF DONALDSONVILLE, LA

LOCATION.--Lat 30°05'47", long 91°00'21", in sec. 35, T. 11 S., R. 2 E., Ascension Parish, Hydrologic Unit 08070204, on downstream side of bridge located 1.0 mi south of Marchand Drive (Hwy. 3089) and connecting Hwy. 1 and Hwy. 308.

PERIOD OF RECORD.--December 1996 to September 2000 (elevations only); October 2000 to current year.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--Pumping plant at Mississippi River level pumps total flow of Bayou Lafourche from river except for small amounts of storm drainage during heavy runoff. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 535 ft³/s, Mar. 2, 2001; maximum gage height, 11.85 ft, June 11, 2001; maximum negative discharge, -240 ft³/s, June 11, 2001; minimum gage height, 3.79 ft, Mar. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 452 ft³/s, July 17, maximum gage height, 9.57 ft, Apr. 8; maximum negative discharge, -4.7 ft³/s, July 1; minimum gage height, 6.68 ft, Dec. 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	135	226	170	195	170	288	182	176	103	257	214
2	142	127	236	171	196	176	282	180	180	219	254	214
3	48	117	239	172	196	183	270	187	162	248	259	205
4	56	140	245	169	195	186	242	177	186	214	262	217
5	92	124	248	169	197	183	226	160	165	205	254	221
6	116	179	251	167	200	186	249	158	178	199	253	203
7	133	204	244	167	200	189	219	152	179	272	244	206
8	182	208	233	164	199	189	67	148	180	271	236	210
9	101	217	229	162	198	190	103	147	173	268	227	208
10	94	217	219	161	199	196	208	148	169	265	224	211
11	135	124	166	157	202	193	214	174	150	260	225	211
12	168	169	159	155	203	188	204	176	139	254	226	208
13	189	206	153	154	203	194	188	183	179	250	220	212
14	178	209	148	151	210	192	190	195	201	248	217	218
15	175	213	149	144	237	184	190	200	209	243	217	229
16	151	209	145	136	247	193	196	176	228	244	213	237
17	149	209	142	155	240	222	193	186	230	250	217	233
18	154	211	135	186	234	231	195	187	234	254	221	222
19	154	211	134	188	235	220	191	188	243	252	238	214
20	146	167	133	187	239	289	200	190	257	253	230	217
21	151	155	141	186	157	284	207	160	268	256	234	198
22	164	205	149	183	162	274	207	168	293	260	229	210
23	167	202	126	179	197	262	210	173	226	261	226	206
24	168	200	65	179	244	255	226	182	285	268	226	205
25	166	210	132	176	247	249	212	181	273	273	224	217
26	146	212	160	175	251	245	221	186	258	270	226	204
27	117	208	167	173	231	238	220	188	243	265	221	213
28	138	205	163	171	191	232	208	194	228	262	226	215
29	93	211	167	167	---	224	216	191	214	258	217	208
30	121	227	167	180	---	219	196	188	172	256	228	217
31	144	---	136	198	---	249	---	179	---	257	224	---
TOTAL	4,324	5,631	5,407	5,252	5,905	6,685	6,238	5,484	6,278	7,658	7,175	6,403
MEAN	139	188	174	169	211	216	208	177	209	247	231	213

07380401 BAYOU LAFOURCHE SW OF DONALDSONVILLE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.80	7.93	7.71	7.82	7.42	7.14	7.84	7.51	7.70	7.42	7.64	7.58
2	7.49	7.88	7.68	7.81	7.41	7.13	7.84	7.53	7.75	7.42	7.66	7.53
3	8.21	7.87	7.66	7.77	7.41	7.16	7.79	7.53	7.85	7.45	7.65	7.49
4	7.75	7.86	7.74	7.74	7.38	7.21	7.62	7.55	7.78	7.72	7.64	7.46
5	7.51	7.84	7.86	7.71	7.39	7.22	7.46	7.58	7.70	7.58	7.69	7.46
6	7.42	7.75	7.79	7.70	7.42	7.25	7.58	7.60	7.70	7.40	7.72	7.44
7	7.42	8.02	7.71	7.74	7.42	7.27	8.15	7.62	7.72	7.71	7.82	7.44
8	7.94	8.00	7.65	7.72	7.39	7.26	8.84	7.64	7.64	7.70	7.70	7.44
9	7.64	7.97	7.61	7.70	7.39	7.28	7.54	7.65	7.54	7.70	7.65	7.44
10	7.57	7.98	7.80	7.66	7.40	7.29	7.72	7.67	7.43	7.67	7.63	7.45
11	7.58	7.71	7.64	7.60	7.39	7.28	7.65	7.70	7.72	7.64	7.62	7.52
12	7.62	7.66	7.58	7.54	7.39	7.26	7.58	7.71	7.75	7.61	7.62	7.54
13	7.94	7.96	7.64	7.49	7.39	7.30	7.53	7.76	7.50	7.63	7.61	7.60
14	7.98	7.94	7.53	7.43	7.42	7.28	7.51	7.81	7.48	7.61	7.60	7.60
15	7.96	7.90	7.48	7.36	7.58	7.20	7.49	7.86	7.36	7.59	7.59	7.56
16	7.97	7.87	7.45	7.25	7.63	7.23	7.49	7.71	7.37	7.57	7.60	7.58
17	7.95	7.86	7.44	7.31	7.51	7.39	7.48	7.65	7.34	7.67	7.62	7.58
18	7.92	7.85	7.46	7.64	7.48	7.53	7.48	7.76	7.36	7.76	7.62	7.57
19	7.91	7.85	7.51	7.68	7.49	7.34	7.50	7.65	7.48	7.67	7.61	7.55
20	7.90	7.96	7.50	7.68	7.50	7.82	7.51	7.69	7.67	7.63	7.59	7.53
21	7.88	7.50	7.50	7.66	7.79	7.82	7.52	7.37	7.69	7.63	7.57	7.54
22	7.88	7.85	7.51	7.63	7.45	7.75	7.54	7.34	7.93	7.66	7.56	7.59
23	7.90	7.85	7.81	7.59	7.35	7.68	7.56	7.39	7.42	7.70	7.55	7.51
24	7.89	7.82	7.28	7.56	7.62	7.64	7.57	7.44	7.68	7.78	7.54	7.43
25	7.90	7.79	7.28	7.54	7.69	7.61	7.58	7.49	7.71	7.70	7.53	7.36
26	7.73	7.77	7.68	7.51	7.76	7.59	7.57	7.53	7.67	7.70	7.52	7.32
27	7.77	7.76	7.70	7.49	7.64	7.56	7.55	7.57	7.59	7.70	7.51	7.31
28	7.92	7.74	7.57	7.46	7.42	7.50	7.55	7.62	7.56	7.67	7.53	7.30
29	7.81	7.72	7.63	7.45	---	7.43	7.54	7.65	7.43	7.64	7.50	7.30
30	7.66	7.72	7.69	7.44	---	7.39	7.39	7.67	7.78	7.61	7.53	7.29
31	7.98	---	7.63	7.43	---	7.52	---	7.69	---	7.62	7.58	---
MAX	8.21	8.02	7.86	7.82	7.79	7.82	8.84	7.86	7.93	7.78	7.82	7.60
MIN	7.42	7.50	7.28	7.25	7.35	7.13	7.39	7.34	7.34	7.40	7.50	7.29

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 1997, April 2002 to current year. April 1966 to September 1984, 1997 to March 2002 (elevations only). Unpublished records, May 1954 to July 1957, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder and acoustic flowmeter. Datum of gage is NAVD 88. Prior to October 1997 datum of gage is 1.22 ft lower.

REMARKS.-- Satellite telemetry at station. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Artificial control located about 1,000 ft downstream since Nov. 5, 1968. About 5.1 ft³/s is diverted daily from the stream above weir for city of Thibodaux water supply.

REVISIONS.--Minimum gage height has been revised to reflect the datum used prior to Oct. 1, 1997.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft³/s, May 9, 1995; maximum gage height, 9.80 ft, June 7, 2001; minimum discharge, undetermined; minimum gage height, -0.40 ft, revised, Dec. 2, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,030 ft³/s, Apr. 8, maximum gage height, 5.89 ft, Apr. 8; minimum discharge, 57 ft³/s, Nov. 13, 14; minimum gage height, 3.50 ft, Nov. 18, 19.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	116	140	180	203	220	216	205	196	540	206	210
2	182	110	131	150	201	206	233	205	209	301	215	208
3	366	134	170	141	205	---	238	205	262	259	222	221
4	343	122	186	180	207	---	236	199	226	261	215	200
5	273	243	203	192	195	207	240	200	225	275	202	193
6	207	304	199	193	195	207	230	202	223	278	214	191
7	174	235	181	206	203	208	339	205	213	234	213	192
8	187	216	174	216	194	---	806	203	206	249	214	192
9	198	170	187	215	196	---	544	205	199	282	206	190
10	272	146	220	220	206	---	316	202	195	242	202	209
11	256	131	210	213	204	---	250	207	316	228	197	244
12	210	112	201	212	203	---	230	202	331	215	199	250
13	189	81	233	206	202	---	223	205	239	211	202	267
14	180	115	208	205	202	---	221	209	204	209	207	253
15	178	159	195	204	213	---	215	210	191	208	196	214
16	179	174	186	202	215	---	212	211	196	204	199	201
17	170	191	181	193	202	---	214	200	193	257	205	202
18	157	190	177	193	189	---	210	202	192	327	252	205
19	151	161	186	205	206	---	211	204	187	240	253	204
20	147	212	191	211	203	---	213	224	211	216	219	205
21	148	255	184	216	308	---	220	216	208	208	206	206
22	147	180	186	221	373	---	216	193	215	203	200	242
23	151	154	207	214	269	---	218	190	---	216	198	223
24	139	151	313	205	233	---	216	186	---	228	199	203
25	132	152	168	201	238	---	217	189	---	226	197	192
26	158	152	145	205	250	---	214	190	246	246	201	185
27	148	148	182	202	273	---	210	186	292	237	198	193
28	198	134	197	202	246	---	208	195	312	220	197	188
29	308	149	189	204	---	---	210	194	269	212	199	167
30	295	153	193	201	---	---	209	199	496	210	198	165
31	192	---	268	198	---	---	---	195	---	210	203	---
TOTAL	6,213	4,950	5,991	6,206	6,234	---	7,735	6,238	---	7,652	6,434	6,215
MEAN	200	165	193	200	223	---	258	201	---	247	208	207

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.71	3.64	4.04	4.26	4.02	4.05	4.11	4.12	4.27	5.01	4.15	4.32
2	3.68	3.58	4.03	4.14	4.02	4.00	4.17	4.13	4.30	4.33	4.20	4.31
3	4.92	3.56	4.02	4.09	4.02	4.00	4.19	4.14	4.42	4.24	4.20	4.34
4	4.65	3.55	4.02	4.07	4.03	4.03	4.19	4.14	4.30	4.25	4.18	4.29
5	4.33	3.99	4.14	4.05	4.01	4.01	4.21	4.15	4.29	4.29	4.17	4.27
6	4.02	4.05	4.09	4.04	4.03	4.02	4.20	4.16	4.29	4.29	4.21	4.26
7	3.78	3.77	4.05	4.07	4.05	4.02	4.42	4.18	4.26	4.17	4.23	4.26
8	3.72	3.65	4.04	4.09	4.03	4.02	5.46	4.19	4.24	4.23	4.23	4.25
9	3.77	3.62	4.03	4.09	4.02	4.04	4.90	4.20	4.22	4.31	4.21	4.26
10	4.15	3.63	4.14	4.07	4.04	4.04	4.37	4.21	4.20	4.21	4.21	4.30
11	4.03	3.88	4.12	4.05	4.02	4.04	4.19	4.23	4.49	4.18	4.21	4.36
12	3.83	4.03	4.08	4.04	4.02	4.05	4.13	4.23	4.51	4.15	4.22	4.36
13	3.68	3.78	4.20	4.04	4.02	4.07	4.10	4.23	4.26	4.14	4.22	4.38
14	3.61	3.65	4.10	4.02	4.03	4.10	4.06	4.24	4.16	4.16	4.23	4.33
15	3.58	3.59	4.06	4.01	4.07	4.06	4.03	4.25	4.13	4.15	4.21	4.24
16	3.58	3.56	4.03	4.01	4.17	4.06	4.04	4.27	4.14	4.15	4.21	4.21
17	3.59	3.54	3.98	3.98	4.10	4.09	4.06	4.25	4.13	4.31	4.25	4.20
18	3.59	3.50	3.97	3.99	4.06	4.11	4.05	4.26	4.13	4.46	4.35	4.21
19	3.58	3.77	4.00	4.03	4.06	4.11	4.06	4.27	4.13	4.25	4.32	4.20
20	3.58	4.11	4.02	4.05	4.05	4.09	4.08	4.33	4.21	4.19	4.24	4.20
21	3.55	4.29	4.00	4.06	4.32	4.12	4.10	4.30	4.20	4.18	4.21	4.21
22	3.56	4.11	4.01	4.06	4.51	4.13	4.09	4.25	4.21	4.18	4.20	4.31
23	3.61	4.05	4.07	4.05	4.21	4.12	4.10	4.23	---	4.22	4.21	4.24
24	3.61	4.03	4.59	4.04	4.10	4.11	4.11	4.24	---	4.25	4.21	4.17
25	3.59	4.04	4.25	4.03	4.13	4.12	4.12	4.25	---	4.25	4.22	4.13
26	3.86	4.04	4.08	4.03	4.19	4.15	4.11	4.28	4.29	4.31	4.23	4.11
27	3.80	4.04	4.05	4.03	4.21	4.17	4.11	4.28	4.40	4.29	4.24	4.13
28	3.93	4.04	4.03	4.02	4.11	4.14	4.11	4.30	4.41	4.25	4.24	4.14
29	4.20	4.04	4.02	4.03	---	4.12	4.12	4.30	4.33	4.22	4.25	4.08
30	4.07	4.06	4.03	4.03	---	4.10	4.12	4.26	4.94	4.19	4.27	4.07
31	3.77	---	4.39	4.03	---	4.09	---	4.26	---	4.15	4.28	---
MAX	4.92	4.29	4.59	4.26	4.51	4.17	5.46	4.33	---	5.01	4.35	4.38
MIN	3.55	3.50	3.97	3.98	4.01	4.00	4.03	4.12	---	4.14	4.15	4.07

07381002 BAYOU LAFOURCHE BELOW WEIR AT THIBODAUX, LA.

LOCATION.--Lat 29°47'56", long 90°49'11", lot 117, T. 15 S., R. 16 E., Lafourche Parish, Hydrologic Unit 08090301, on bridge at Canal St. across Bayou Lafourche, about 1200 ft. downstream of the Hwy. 20 bridge and 200 ft. below the weir.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May 1984 to September September 2001 (peak only), October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 9.72 ft, June 7, 2001; minimum gage height, 0.77 ft, Jan. 24-25, 2003.

EXTREMES FOR CURRENT YEAR.--2002 W.Y.: Maximum gage height, 6.80 ft, Sept. 26; minimum gage height, 1.45 ft, Nov. 21, 22.

2003 W.Y.: Maximum gage height, 5.54 ft, June 30; minimum gage height, 0.77 ft, Jan. 24, 25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.72	1.94	2.18	2.10	2.58	2.46	2.61	2.56	3.12	2.93	2.19	1.96
2	1.61	2.04	2.15	2.38	2.43	3.94	2.50	2.72	3.04	2.86	2.18	2.04
3	1.60	2.12	2.02	2.11	2.21	3.28	2.45	2.78	3.00	2.75	2.08	2.15
4	1.65	2.14	1.98	1.86	2.03	2.71	2.41	2.80	2.98	2.82	2.09	2.22
5	1.70	2.12	2.02	2.26	1.93	2.35	2.29	2.76	3.00	2.72	2.14	2.21
6	1.83	2.09	2.10	3.01	2.19	2.12	2.20	2.72	3.07	2.61	2.23	2.23
7	1.75	2.10	2.01	2.58	2.20	2.03	2.24	2.72	3.23	2.67	2.28	2.34
8	1.70	2.11	1.94	2.14	2.10	2.07	2.75	2.75	3.45	2.71	2.40	2.70
9	1.86	2.12	1.90	1.86	2.06	2.23	3.62	2.80	3.25	2.66	2.33	2.73
10	2.18	2.09	1.79	1.78	2.09	2.27	3.21	2.79	3.20	2.65	2.32	2.59
11	2.65	2.00	---	1.76	2.09	2.13	3.19	2.73	3.17	2.63	2.43	2.52
12	3.06	1.98	---	1.82	2.01	2.28	3.41	2.73	3.13	2.62	2.90	2.47
13	3.56	1.96	---	1.85	1.99	2.42	3.06	2.78	3.09	2.64	2.95	2.40
14	4.44	1.99	---	1.95	1.97	2.31	2.87	2.78	3.05	3.06	2.55	2.35
15	3.43	2.01	---	2.08	1.99	2.35	2.80	2.66	2.96	2.87	2.41	2.32
16	2.75	1.94	---	2.06	2.12	2.42	2.77	2.65	2.85	2.60	2.43	2.25
17	2.35	1.87	---	2.06	2.21	2.45	2.76	2.70	2.83	2.43	2.93	2.35
18	2.08	1.80	---	2.03	2.25	2.46	2.74	2.73	2.77	2.48	2.92	2.23
19	2.00	1.74	---	1.88	2.35	2.51	2.68	2.58	2.75	2.45	2.74	2.21
20	1.95	1.65	---	1.86	2.61	2.62	2.64	2.47	2.80	2.17	2.47	2.38
21	1.95	1.48	---	1.84	2.59	2.74	2.61	2.49	2.94	2.15	2.31	2.33
22	2.00	1.53	---	1.89	2.54	2.62	2.61	2.48	2.82	2.33	2.40	2.35
23	2.03	1.93	---	1.98	2.40	2.37	2.58	2.54	2.71	2.57	2.40	2.35
24	2.05	2.12	---	2.13	2.24	2.27	2.53	2.68	2.77	2.35	2.29	2.47
25	2.06	2.17	---	2.26	2.25	2.36	2.47	2.73	2.84	2.37	2.18	3.46
26	1.96	2.03	2.09	2.16	2.25	2.52	2.47	2.76	2.95	2.54	2.08	6.08
27	1.86	2.00	1.97	2.05	2.17	2.52	2.56	2.76	3.27	2.46	1.98	4.99
28	1.74	2.17	1.97	2.08	2.00	2.32	2.67	2.82	3.47	2.33	1.92	4.04
29	1.65	2.46	2.06	2.17	---	2.32	2.59	2.88	3.32	2.29	1.85	3.38
30	1.61	2.35	2.09	2.27	---	2.43	2.50	2.87	3.10	2.52	1.80	3.26
31	1.76	---	2.06	2.46	---	2.56	---	3.04	---	2.36	1.91	---
MAX	4.44	2.46	---	3.01	2.61	3.94	3.62	3.04	3.47	3.06	2.95	6.08
MIN	1.60	1.48	---	1.76	1.93	2.03	2.20	2.47	2.71	2.15	1.80	1.96

07381002 BAYOU LAFOURCHE BELOW WEIR AT THIBODAUX, LA.—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	2.18	1.26	2.20	1.16	1.59	1.20	1.79	1.33	4.62	1.58	2.51
2	2.78	1.97	1.17	1.74	1.13	1.48	1.40	1.78	1.43	3.38	1.63	2.43
3	4.79	1.95	1.21	1.46	1.21	1.52	1.59	1.72	1.93	2.92	1.58	2.36
4	4.48	2.08	1.33	1.23	1.28	1.79	1.78	1.72	1.78	2.74	1.53	2.21
5	4.13	2.84	1.59	1.21	1.16	1.78	1.84	1.97	1.83	2.69	1.51	2.12
6	3.70	2.91	1.33	1.21	1.21	1.83	1.93	2.20	2.13	2.80	1.56	2.01
7	3.27	2.28	1.14	1.24	1.27	1.72	2.45	2.33	2.15	2.46	1.54	1.96
8	3.11	1.93	1.12	1.17	0.99	1.67	4.85	2.36	1.98	2.50	1.51	2.01
9	3.14	1.89	1.07	1.15	1.02	1.68	3.93	2.36	1.73	2.59	1.43	2.05
10	3.77	1.96	1.27	1.27	1.24	1.62	2.56	2.36	1.61	2.34	1.44	2.10
11	3.44	2.54	1.31	1.23	1.19	1.61	1.78	2.38	2.15	2.09	1.47	2.24
12	3.09	2.66	1.34	1.13	1.18	1.67	1.50	2.19	2.47	2.01	1.63	2.50
13	2.76	2.12	1.65	1.11	1.19	1.86	1.44	1.88	2.08	2.00	1.69	2.54
14	2.44	1.68	1.36	1.11	1.29	1.89	1.39	1.77	1.91	2.11	1.69	2.41
15	2.24	1.61	1.10	1.12	1.51	1.75	1.31	1.80	1.87	2.21	1.61	2.14
16	2.11	1.65	1.06	1.12	1.81	1.85	1.40	1.83	1.84	2.17	1.67	2.02
17	2.05	1.36	1.06	0.97	1.51	1.98	1.57	1.89	1.81	2.22	1.92	2.00
18	2.07	1.21	1.26	0.84	1.25	2.02	1.57	1.90	1.73	2.46	2.04	2.00
19	2.14	1.14	1.59	0.97	1.23	2.12	1.62	1.82	1.86	1.99	2.13	2.00
20	2.15	1.27	1.61	1.08	1.28	2.12	1.78	1.84	2.05	1.73	2.06	2.00
21	1.96	1.89	1.37	1.15	1.94	2.08	1.78	1.79	2.04	1.58	1.73	2.00
22	1.97	1.59	1.35	1.20	2.80	1.93	1.63	1.67	1.95	1.50	1.63	2.24
23	2.06	1.32	1.58	1.12	2.12	1.80	1.63	1.43	2.16	1.58	1.68	2.14
24	2.10	1.23	2.78	0.85	1.78	1.69	1.79	1.29	2.10	1.66	1.78	1.99
25	2.12	1.30	2.28	0.78	1.72	1.68	1.93	1.37	2.12	1.55	1.89	1.97
26	2.49	1.39	1.50	0.83	1.83	1.79	1.78	1.45	2.12	1.64	1.96	2.09
27	2.39	1.35	1.15	0.94	1.99	1.94	1.60	1.45	2.60	1.71	1.95	2.21
28	2.62	1.17	1.06	1.03	1.78	1.94	1.58	1.36	2.72	1.69	1.97	2.18
29	3.33	1.04	1.09	1.14	---	1.91	1.69	1.32	2.45	1.61	1.97	1.92
30	3.11	1.22	1.27	1.22	---	1.60	1.78	1.30	3.97	1.59	2.16	1.74
31	2.52	---	2.39	1.21	---	1.20	---	1.34	---	1.60	2.41	---
MAX	4.79	2.91	2.78	2.20	2.80	2.12	4.85	2.38	3.97	4.62	2.41	2.54
MIN	1.96	1.04	1.06	0.78	0.99	1.20	1.20	1.29	1.33	1.50	1.43	1.74

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA

LOCATION.--Lat 29°34'06", long 90°23'07", in sec. 45, T. 17 S., R. 20 E., Lafourche Parish, Hydrologic Unit 08090302, on the right bank of stream, under U.S. Highway 1 bridge at Larose, 450 yards upstream from crossing of Bayou Lafourche.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 2000 to September 2002 (gage height only). October 2002 to September 2003.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--Records poor. Stage affected by wind, tide, and boat traffic. Satellite telemetry at site. Discharge data prior to October 2002 available at Louisiana District, Baton Rouge Field Office

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 3.01 ft, June 11, 2001; minimum recorded, -0.44 ft, Jan. 3, 2001. Maximum positive discharge recorded, 7,690 ft³/s, June 30, 2003; maximum negative discharge recorded, -5,520 ft³/s, Dec. 12, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 7,690 ft³/s, June 30; maximum gage height, 2.88 ft, July 1; maximum negative discharge, -5,520 ft³/s, Dec. 12; minimum gage height, -0.28 ft, Jan. 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	---	---	---	---	---	1,160	3,680	1,440	1,950	-1,270
2		---	---	---	---	---	1,790	1,690	3,790	3,110	1,640	-174
3		---	---	---	---	---	571	2,090	3,220	3,810	1,560	186
4		---	1,530	---	---	---	1,370	1,930	2,640	3,400	1,670	622
5		---	1,130	---	---	---	1,640	1,250	2,390	1,920	1,690	375
6		---	1,500	---	---	---	1,100	30	4,020	2,520	1,850	754
7		---	1,740	2,050	---	---	720	-719	3,250	2,620	2,600	678
8		---	1,570	2,960	---	---	1,550	-530	3,720	2,410	1,520	392
9		---	1,190	3,010	---	---	3,540	-577	3,880	2,560	1,450	647
10		---	2,290	2,410	---	---	4,400	-110	3,740	2,630	1,340	-31
11	2,340	---	2,720	2,480	---	---	4,030	990	3,630	2,370	1,710	-210
12	2,330	---	-42	2,010	---	---	3,350	139	3,530	1,920	1,570	-479
13	1,340	---	4,160	2,170	---	---	3,010	1,230	3,650	1,530	942	-435
14	1,640	---	2,440	2,800	---	---	2,660	1,820	3,410	55	-161	294
15	3,140	---	2,080	2,450	---	---	2,110	2,150	2,900	730	-812	544
16	2,270	---	1,960	3,330	---	---	1,990	2,040	2,730	1,060	330	782
17	1,830	---	1,550	3,080	---	---	2,790	2,470	2,520	1,920	1,650	1,060
18	344	---	1,660	3,200	---	---	2,370	2,120	2,690	2,440	2,210	1,300
19	118	---	1,960	2,940	---	---	1,140	1,410	2,580	2,560	2,020	1,290
20	373	---	2,080	3,280	---	---	371	967	3,100	2,250	2,270	639
21	528	---	1,400	3,450	---	---	1,300	1,160	3,370	2,680	1,220	1,110
22	78	---	---	2,560	---	---	1,400	1,650	3,630	2,820	590	1,590
23	75	---	---	1,390	---	---	1,060	2,580	3,480	3,060	953	840
24	---	---	---	2,080	---	---	---	2,410	3,500	2,430	617	890
25	---	---	---	2,100	---	---	---	2,600	2,620	2,040	767	741
26	---	---	---	---	---	---	---	2,790	2,320	1,560	1,310	82
27	---	---	---	---	---	---	---	2,140	2,640	1,730	1,200	-155
28	---	---	---	---	---	---	---	2,910	2,300	2,090	509	-577
29	---	---	---	---	---	---	---	3,420	1,770	2,110	58	-618
30	---	---	---	---	---	---	575	3,660	1,030	2,210	-790	-587
31	---	---	---	---	---	---	---	4,180	---	2,100	-1,720	---
TOTAL	---	---	---	---	---	---	---	51,050	91,730	68,085	33,713	10,280
MEAN	---	---	---	---	---	---	---	1,647	3,058	2,196	1,088	343

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		1.50	0.65	1.09	0.52	1.06	0.60	1.50	0.88	2.77	1.11	2.28
2		1.32	0.65	1.05	0.57	1.04	0.78	1.44	0.94	2.48	1.09	2.16
3		1.52	0.78	0.60	0.72	1.10	1.08	1.36	1.25	2.22	1.10	2.03
4		1.67	0.88	0.46	0.78	1.28	1.27	1.35	1.33	2.04	1.09	1.91
5		1.82	0.90	0.60	0.55	1.34	1.33	1.70	1.43	1.98	1.14	1.82
6		1.72	0.45	0.63	0.79	1.44	1.42	1.96	1.73	1.88	1.11	1.72
7		1.30	0.42	0.50	0.63	1.27	1.61	2.12	1.75	1.75	1.05	1.70
8		1.23	0.43	0.29	0.20	1.26	1.78	2.09	1.52	1.77	1.04	1.74
9		1.31	0.50	0.41	0.53	1.26	1.59	2.09	1.24	1.78	1.03	1.78
10		1.51	0.58	0.68	0.77	1.16	0.97	2.07	1.22	1.68	1.08	1.78
11	2.41	1.73	0.61	0.40	0.57	1.16	0.67	2.12	1.35	1.59	1.11	1.80
12	2.22	1.55	0.79	0.38	0.68	1.26	0.71	1.76	1.46	1.58	1.22	1.96
13	2.04	0.94	0.93	0.42	0.63	1.35	0.76	1.37	1.51	1.63	1.30	2.12
14	1.73	0.91	0.51	0.47	0.80	1.34	0.78	1.43	1.51	1.79	1.31	1.89
15	1.61	1.19	0.47	0.50	1.06	1.30	0.70	1.47	1.50	1.92	1.22	1.76
16	1.44	1.01	0.55	0.55	1.22	1.47	1.01	1.44	1.46	1.86	1.40	1.66
17	1.49	0.45	0.65	0.24	0.72	1.58	1.16	1.57	1.41	1.71	1.46	1.68
18	1.46	0.57	0.90	0.13	0.61	1.64	1.12	1.58	1.39	1.57	1.33	1.68
19	1.69	0.69	1.22	0.24	0.71	1.78	1.18	1.46	1.43	1.39	1.36	1.71
20	1.62	0.74	1.15	0.34	0.75	1.70	1.39	1.42	1.50	1.22	1.32	1.66
21	1.53	0.93	0.89	0.47	1.14	1.52	1.32	1.42	1.48	1.07	1.26	1.69
22	1.53	0.82	0.97	0.62	1.41	1.28	1.16	1.26	1.47	1.03	1.28	1.82
23	1.67	0.61	0.99	0.26	1.06	1.16	1.14	0.97	1.44	1.01	1.39	1.71
24	1.66	0.71	1.40	-0.18	1.16	1.06	1.41	0.95	1.46	1.06	1.50	1.70
25	1.68	0.84	0.92	-0.02	1.08	1.13	1.56	1.07	1.53	1.01	1.60	1.74
26	1.79	0.99	0.53	0.14	1.08	1.30	1.33	1.18	1.61	1.06	1.67	1.93
27	1.77	0.84	0.40	0.29	1.21	1.42	1.13	1.09	1.69	1.10	1.65	2.05
28	1.88	0.51	0.40	0.41	1.10	1.50	1.21	0.94	1.76	1.15	1.66	1.93
29	2.00	0.46	0.55	0.56	---	1.46	1.35	0.90	1.86	1.15	1.69	1.59
30	2.01	0.74	0.77	0.69	---	0.80	1.47	0.88	2.32	1.17	2.00	1.50
31	1.76	---	1.26	0.68	---	0.39	---	0.91	---	1.14	2.21	---
MAX	---	1.82	1.40	1.09	1.41	1.78	1.78	2.12	2.32	2.77	2.21	2.28
MIN	---	0.45	0.40	-0.18	0.20	0.39	0.60	0.88	0.88	1.01	1.03	1.50

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: April 2000 to current year.

SALINITY: October 2002 to September 2003.

TEMPERATURE: April 2000 to current year.

INSTRUMENTATION.--Water-quality monitor collecting temperature and specific conductance.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 11-21, Dec. 19-23, and Jan. 6-Aug. 25 when records good.

SALINITY: Records excellent except for Oct. 11-21, Dec. 19-23, and Jan. 6-Aug. 25 when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 17,800 microseimens/cm, Nov. 9, 2000; minimum, 175 microseimens/cm, July 4, 2001.

SALINITY: Maximum, 7.6 ppt, May 12, 13, 2003; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.7°C, Aug. 19, 2000; minimum 5.6°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 13,300 microsiemens/cm, May 12, 13; minimum, 239 microsiemens/cm, July 27.

SALINITY: Maximum, 7.6 ppt, May 12, 13; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 32.2°C, Aug. 11; minimum, 8.7°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1				525	457	492	331	321	326	366	329	350
2				548	506	535	450	322	400	775	355	470
3				544	325	390	368	349	359	387	340	359
4				634	362	513	399	331	350	375	328	354
5				787	379	577	404	337	358	375	301	341
6				473	404	434	356	315	332	350	313	331
7				646	417	544	391	314	351	380	318	349
8				678	486	591	417	351	388	377	339	352
9				530	409	484	404	349	379	362	318	342
10				558	316	396	394	345	367	384	332	364
11	447	366	404	697	558	619	461	358	414	332	300	317
12	410	354	378	583	362	507	628	399	471	320	296	305
13	359	341	349	491	432	475	515	346	398	371	302	336
14	367	269	343	432	362	394	436	362	390	400	312	356
15	354	320	342	394	321	359	486	413	453	350	304	332
16	320	307	311	384	291	318	424	353	398	356	302	322
17	314	298	306	502	375	446	422	353	390	347	317	330
18	308	255	283	420	353	376	503	353	398	348	299	323
19	293	255	269	405	320	343	3,580	503	2,090	346	279	319
20	325	293	302	429	327	399	3,320	466	1,280	783	280	455
21	341	313	333	378	321	346	571	408	458	1,000	359	694
22	341	257	305	371	335	349	1,200	571	979	1,080	386	714
23	286	245	271	350	317	333	656	564	617	502	321	356
24	325	246	279	345	321	330	648	420	532	360	332	343
25	381	249	318	378	321	356	478	421	443	411	334	356
26	406	298	375	379	335	351	478	412	450	462	360	423
27	390	289	333	368	345	353	431	396	406	372	317	338
28	476	376	424	368	349	358	465	410	436	372	315	333
29	434	376	415	372	323	346	431	380	400	380	329	349
30	404	351	386	345	308	320	415	349	383	698	341	552
31	464	404	435	---	---	---	415	322	365	590	321	377
MONTH	---	---	---	787	291	421	3,580	314	508	1,080	279	382

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	372	325	350	531	460	477	584	315	368	367	319	341
2	798	342	422	481	432	455	618	309	388	435	367	386
3	2,560	798	1,260	500	431	453	310	284	294	445	406	425
4	3,210	1,460	2,190	472	410	434	290	269	283	530	383	411
5	1,460	733	978	438	377	407	330	264	294	4,560	530	1,960
6	1,270	525	936	421	378	397	350	301	323	8,110	4,060	5,730
7	566	421	477	439	383	399	315	300	305	4,710	1,260	2,880
8	567	417	463	402	349	367	341	292	316	8,120	4,000	6,960
9	447	377	394	414	359	389	401	322	366	10,100	8,060	9,470
10	632	392	504	393	327	364	349	328	338	11,100	9,240	10,600
11	540	444	495	335	307	319	500	320	345	13,100	9,960	10,800
12	1,010	444	810	327	289	300	539	342	419	13,300	9,970	12,100
13	846	540	636	360	303	334	394	310	356	13,300	9,310	11,200
14	1,020	518	625	330	293	311	364	309	331	10,100	5,770	8,500
15	5,780	513	1,960	328	286	303	319	294	307	5,770	2,490	3,970
16	4,190	1,780	3,020	406	328	358	326	311	316	2,580	1,930	2,260
17	1,780	1,030	1,220	436	351	397	316	273	293	4,490	2,580	3,490
18	1,030	837	905	365	325	348	679	296	321	4,710	2,410	3,680
19	958	733	880	330	298	317	919	307	685	2,520	1,860	2,160
20	733	672	708	338	298	321	575	285	367	1,920	859	1,250
21	787	671	704	358	285	308	671	260	453	921	675	822
22	1,550	748	1,200	358	308	334	262	253	257	676	596	644
23	5,910	1,290	4,140	352	302	328	293	254	279	610	555	589
24	4,260	1,190	2,980	351	282	314	296	282	289	596	542	562
25	1,190	591	802	339	283	310	758	288	376	576	454	516
26	593	471	562	317	281	301	1,270	385	1,000	545	451	472
27	560	466	494	363	268	304	385	282	302	683	423	479
28	565	511	539	360	296	325	290	279	284	437	384	414
29	---	---	---	355	310	333	324	286	309	440	395	422
30	---	---	---	374	314	343	324	319	321	458	374	402
31	---	---	---	392	338	356	---	---	---	1,070	453	678
MONTH	5,910	325	1,090	531	268	355	1,270	253	363	13,300	319	3,370
JUNE			JULY			AUGUST			SEPTEMBER			
1	1,900	757	1,230	4,280	1,460	2,660	391	267	315	2,820	867	1,940
2	1,920	401	1,120	4,490	1,520	3,470	352	263	298	2,840	2,470	2,720
3	1,750	376	796	1,520	357	669	295	263	282	2,720	2,140	2,480
4	388	351	362	372	329	352	310	268	284	2,380	1,270	1,850
5	366	347	353	333	313	325	315	280	300	1,270	732	990
6	365	342	348	337	309	318	352	315	337	832	625	699
7	413	344	381	322	307	313	414	315	342	846	597	727
8	407	398	403	344	302	319	525	406	492	600	498	562
9	446	403	415	314	294	298	515	309	379	557	483	502
10	453	391	415	310	296	300	320	303	312	601	557	586
11	392	361	376	297	263	270	351	294	314	582	497	507
12	402	360	383	293	260	272	418	351	391	622	491	571
13	372	356	364	293	267	278	397	360	372	677	620	653
14	371	352	362	276	264	272	397	375	385	672	622	651
15	373	354	363	297	264	281	387	376	381	642	591	611
16	374	346	362	290	257	271	386	379	384	758	616	672
17	369	333	351	305	267	281	398	351	379	1,030	758	948
18	380	349	364	304	255	276	381	344	362	1,000	877	945
19	361	335	345	270	240	256	490	347	430	877	662	733
20	368	347	355	278	248	267	400	354	370	882	734	819
21	402	346	373	288	258	269	431	368	411	916	665	852
22	389	347	365	416	277	324	403	369	390	665	472	541
23	393	338	360	636	299	486	369	326	340	515	492	506
24	366	335	352	700	385	503	326	298	316	505	470	485
25	336	319	331	550	244	297	321	295	302	505	484	496
26	328	302	315	277	242	260	342	301	314	501	483	493
27	373	314	344	248	239	243	392	342	370	502	476	492
28	346	320	336	292	241	259	395	390	392	817	474	569
29	346	324	336	295	272	284	402	369	391	942	667	839
30	1,460	323	467	287	262	273	390	371	385	814	646	717
31	---	---	---	381	271	301	867	357	516	---	---	---
MONTH	1,920	302	434	4,490	239	492	867	263	362	2,840	470	872

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1				0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2				0.3	0.2	0.3	0.2	0.2	0.2	0.4	0.2	0.2
3				0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4				0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
5				0.4	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
6				0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7				0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
8				0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
9				0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10				0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
14	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19	0.1	0.1	0.1	0.2	0.2	0.2	1.9	0.2	1.1	0.2	0.1	0.2
20	0.2	0.1	0.2	0.2	0.2	0.2	1.7	0.2	0.6	0.4	0.1	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.5	0.2	0.3
22	0.2	0.1	0.2	0.2	0.2	0.2	0.6	0.3	0.5	0.5	0.2	0.4
23	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
24	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2
25	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
31	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2	0.3	0.2	0.2
MONTH	---	---	---	0.4	0.1	0.2	1.9	0.2	0.3	0.5	0.1	0.2
FEBRUARY			MARCH			APRIL			MAY			
1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
2	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
3	1.3	0.4	0.6	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
4	1.7	0.7	1.1	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.2
5	0.7	0.4	0.5	0.2	0.2	0.2	0.2	0.1	0.1	2.4	0.3	1.0
6	0.6	0.3	0.5	0.2	0.2	0.2	0.2	0.2	0.2	4.5	2.1	3.1
7	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.5	0.6	1.5
8	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	4.5	2.1	3.8
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.7	4.5	5.3
10	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	6.3	5.2	6.0
11	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.5	5.6	6.2
12	0.5	0.2	0.4	0.2	0.1	0.2	0.3	0.2	0.2	7.6	5.6	6.9
13	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	7.6	5.2	6.3
14	0.5	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.2	5.7	3.1	4.7
15	3.1	0.3	1.0	0.2	0.1	0.2	0.2	0.1	0.2	3.1	1.3	2.1
16	2.2	0.9	1.6	0.2	0.2	0.2	0.2	0.2	0.2	1.3	1.0	1.2
17	0.9	0.5	0.6	0.2	0.2	0.2	0.2	0.1	0.1	2.4	1.3	1.8
18	0.5	0.4	0.4	0.2	0.2	0.2	0.3	0.1	0.2	2.5	1.2	1.9
19	0.5	0.4	0.4	0.2	0.2	0.2	0.5	0.2	0.3	1.3	0.9	1.1
20	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.2	1.0	0.4	0.6
21	0.4	0.3	0.3	0.2	0.1	0.2	0.3	0.1	0.2	0.5	0.3	0.4
22	0.8	0.4	0.6	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.3
23	3.2	0.6	2.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.3
24	2.3	0.6	1.5	0.2	0.1	0.2	0.1	0.1	0.1	0.3	0.3	0.3
25	0.6	0.3	0.4	0.2	0.1	0.2	0.4	0.1	0.2	0.3	0.2	0.3
26	0.3	0.2	0.3	0.2	0.1	0.2	0.6	0.2	0.5	0.3	0.2	0.2
27	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.2
28	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2
29	---	---	---	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
30	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	---	---	---	0.2	0.2	0.2	---	---	---	0.5	0.2	0.3
MONTH	3.2	0.2	0.5	0.3	0.1	0.2	0.6	0.1	0.2	7.6	0.2	1.8

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.0	0.4	0.6	2.3	0.7	1.4	0.2	0.1	0.2	1.5	0.4	1.0
2	1.0	0.2	0.6	2.4	0.8	1.8	0.2	0.1	0.2	1.5	1.3	1.4
3	0.9	0.2	0.4	0.8	0.2	0.3	0.1	0.1	0.1	1.4	1.1	1.3
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	1.2	0.6	0.9
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.6	0.4	0.5
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4
8	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.3
9	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.2
10	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3
11	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.2
12	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.3
13	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
14	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
15	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
16	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.3	0.3
17	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.5	0.4	0.5
18	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.5	0.4	0.5
19	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.3	0.4
20	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.4	0.4
21	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.3	0.4
22	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.3
23	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
24	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.2	0.3
29	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.5	0.3	0.4
30	0.7	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.3	0.4
31	---	---	---	0.2	0.1	0.2	0.4	0.2	0.3	---	---	---
MONTH	1.0	0.2	0.2	2.4	0.1	0.2	0.4	0.1	0.2	1.5	0.2	0.4

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1				23.4	22.5	22.9	15.1	14.4	14.8	14.8	14.1	14.4
2				22.5	21.6	22.0	15.2	14.2	14.7	14.7	14.1	14.3
3				21.6	21.1	21.4	15.1	14.7	14.9	14.1	12.9	13.6
4				21.7	21.4	21.6	16.7	15.1	15.7	12.9	11.8	12.2
5				21.8	21.1	21.6	16.7	14.9	15.8	12.9	11.8	12.3
6				21.1	20.4	20.8	14.9	13.8	14.2	13.0	12.3	12.6
7				20.6	19.9	20.2	13.8	12.9	13.2	13.0	12.4	12.7
8				20.2	19.5	19.7	12.9	12.3	12.7	13.0	12.1	12.6
9				20.1	19.6	19.8	13.0	12.6	12.8	13.5	12.3	12.8
10				21.8	20.0	20.8	13.1	12.8	12.9	14.0	13.5	13.7
11	27.4	26.7	27.0	22.2	21.8	22.0	12.8	12.2	12.5	13.8	13.0	13.2
12	27.0	26.6	26.8	21.8	20.9	21.4	12.5	12.2	12.3	13.0	11.5	12.3
13	26.6	25.9	26.3	20.9	19.4	20.1	13.0	12.3	12.6	11.5	11.0	11.3
14	25.9	24.4	25.0	19.6	19.0	19.3	12.9	12.3	12.6	11.3	10.6	11.0
15	24.4	23.6	24.0	19.8	18.9	19.3	13.1	12.4	12.7	11.5	11.0	11.2
16	23.6	22.6	23.0	19.4	18.0	18.7	13.3	12.5	12.9	11.8	11.0	11.3
17	23.0	22.3	22.6	18.0	16.8	17.5	14.0	13.1	13.5	11.0	10.0	10.5
18	22.7	22.1	22.4	16.8	16.1	16.5	15.3	13.7	14.5	10.0	9.2	9.5
19	23.5	22.5	22.8	17.0	16.4	16.7	16.9	15.3	16.3	10.1	9.2	9.6
20	23.7	22.9	23.3	17.9	17.0	17.6	16.6	15.3	15.8	10.8	9.4	10.1
21	23.9	23.3	23.5	18.2	17.6	17.8	15.6	15.1	15.3	12.2	10.5	11.3
22	23.9	23.5	23.7	17.6	16.9	17.3	16.2	15.3	15.8	13.2	12.1	12.7
23	23.9	23.6	23.8	17.0	16.4	16.7	16.6	16.1	16.3	12.7	10.6	11.6
24	24.2	23.7	23.9	16.8	16.2	16.5	17.8	16.6	17.2	10.6	9.3	9.9
25	24.1	23.8	24.0	17.4	16.6	16.9	16.8	15.4	16.0	9.3	8.7	9.0
26	24.1	23.9	24.0	17.5	16.9	17.2	15.4	13.6	14.5	9.4	9.0	9.2
27	24.6	23.9	24.2	17.4	16.4	16.9	13.6	13.3	13.5	9.8	9.0	9.3
28	25.1	24.5	24.8	16.4	15.6	16.0	13.8	13.0	13.4	10.3	9.5	9.8
29	25.0	24.6	24.9	15.7	15.2	15.4	13.7	13.1	13.4	11.8	10.3	11.2
30	24.7	24.2	24.4	15.4	15.0	15.2	14.2	13.5	13.8	12.4	11.8	12.1
31	24.4	23.4	23.8	---	---	---	15.0	14.2	14.6	12.8	12.0	12.4
MONTH	---	---	---	23.4	15.0	18.9	17.8	12.2	14.2	14.8	8.7	11.6
FEBRUARY			MARCH			APRIL			MAY			
1	13.1	12.2	12.6	15.6	15.3	15.4	19.4	18.3	18.8	27.2	25.8	26.4
2	14.0	12.5	13.2	15.9	15.3	15.6	18.8	18.1	18.5	27.6	26.6	27.1
3	14.8	13.8	14.2	15.7	14.8	15.3	19.6	18.7	19.1	28.0	26.9	27.5
4	15.0	14.3	14.6	14.8	14.4	14.6	20.9	19.3	20.1	28.4	27.6	28.0
5	14.4	13.7	14.1	15.8	14.6	15.1	22.0	20.7	21.4	28.3	27.7	28.0
6	14.4	13.8	14.2	16.5	15.8	16.2	23.0	22.0	22.4	28.5	27.6	28.0
7	13.8	13.3	13.5	16.9	16.1	16.5	23.7	23.0	23.3	28.6	27.9	28.2
8	13.3	12.2	12.7	17.0	16.7	16.8	23.4	21.9	22.8	29.1	28.0	28.4
9	12.4	12.1	12.2	17.2	16.4	16.9	21.9	18.9	20.6	29.2	28.3	28.7
10	13.0	12.1	12.5	17.1	15.9	16.5	18.9	17.0	17.9	29.4	28.4	28.8
11	13.8	12.6	13.1	17.6	16.8	17.2	17.7	16.1	16.8	29.3	28.5	28.9
12	14.5	13.4	13.9	18.0	17.0	17.5	19.1	17.7	18.3	29.1	28.7	29.0
13	14.8	13.8	14.2	18.6	17.6	18.0	20.3	18.6	19.4	29.5	28.3	28.7
14	15.9	14.5	15.2	19.4	18.0	18.7	21.2	19.7	20.4	29.2	28.2	28.7
15	17.0	15.6	16.4	20.0	18.6	19.3	21.7	20.6	21.1	29.0	28.2	28.6
16	17.3	16.2	17.0	20.0	19.2	19.5	22.6	21.5	22.0	29.4	28.4	28.9
17	16.2	14.9	15.4	19.3	18.7	19.1	23.5	22.2	22.8	29.4	28.9	29.1
18	15.0	14.2	14.6	19.9	18.9	19.3	24.6	23.2	23.8	29.3	28.7	29.0
19	15.1	14.3	14.7	19.9	19.4	19.7	24.8	24.4	24.6	29.2	28.7	28.9
20	15.9	15.1	15.4	19.6	19.0	19.3	25.6	24.2	24.7	29.6	28.5	28.9
21	16.9	15.8	16.2	19.5	18.5	18.9	25.8	24.8	25.2	29.1	28.6	28.8
22	17.3	15.6	16.4	19.2	18.4	18.8	25.7	25.1	25.3	28.8	28.2	28.5
23	16.2	15.3	15.8	19.6	18.6	19.1	25.6	25.0	25.2	28.4	27.6	28.0
24	16.5	15.7	16.1	20.6	19.3	19.9	25.4	24.8	25.1	28.4	27.5	27.9
25	16.5	16.2	16.3	21.1	20.1	20.6	25.8	24.8	25.3	28.9	28.1	28.4
26	16.5	16.2	16.4	21.1	20.8	20.9	26.2	25.1	25.6	28.8	28.0	28.4
27	16.5	15.4	15.9	21.4	20.4	20.9	26.1	25.1	25.5	28.7	28.0	28.3
28	15.4	14.9	15.1	22.5	21.4	21.9	26.6	25.5	26.0	28.0	27.2	27.7
29	---	---	---	22.5	20.7	21.7	26.4	25.5	26.0	28.2	27.1	27.6
30	---	---	---	20.7	18.5	19.7	26.3	25.6	26.0	28.0	27.0	27.5
31	---	---	---	18.8	17.7	18.3	---	---	---	28.2	27.0	27.6
MONTH	17.3	12.1	14.7	22.5	14.4	18.3	26.6	16.1	22.5	29.6	25.8	28.3

07381235 GULF INTRACOASTAL WATERWAY WEST OF BAYOU LAFOURCHE AT LAROSE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.6	27.3	28.0	28.2	27.3	27.6	31.0	30.4	30.7	29.6	28.8	29.2
2	28.7	27.9	28.3	28.3	27.4	27.8	30.9	30.3	30.5	30.0	29.2	29.6
3	28.2	27.8	28.0	28.8	28.0	28.4	30.7	30.0	30.3	30.7	29.5	30.0
4	28.0	27.6	27.8	28.6	28.2	28.4	31.3	30.2	30.7	30.8	30.1	30.4
5	27.9	27.4	27.7	28.3	27.9	28.1	31.7	30.8	31.3	30.6	30.2	30.4
6	27.4	26.8	27.0	28.1	27.9	28.0	31.7	31.2	31.4	30.8	29.9	30.4
7	27.5	26.6	27.0	28.2	27.6	27.9	31.3	30.8	31.0	31.0	30.3	30.6
8	28.8	27.5	28.1	28.2	28.0	28.1	31.4	30.4	30.8	31.2	30.2	30.6
9	29.8	28.4	29.1	29.0	27.8	28.4	31.7	30.8	31.2	30.6	29.8	30.2
10	30.1	29.2	29.7	30.0	28.9	29.4	31.9	30.9	31.4	30.1	29.5	29.8
11	29.9	29.0	29.5	30.1	29.4	29.7	32.2	31.4	31.7	30.2	29.7	29.9
12	29.6	29.0	29.3	30.3	29.6	29.9	31.8	30.6	31.2	29.9	28.9	29.4
13	30.0	29.1	29.5	30.2	29.8	30.0	30.6	30.0	30.3	28.9	28.2	28.6
14	30.5	29.4	29.8	30.0	29.5	29.7	30.5	29.7	30.1	29.5	28.5	28.9
15	30.7	29.6	30.1	30.2	29.3	29.6	30.3	29.6	29.9	29.5	29.1	29.3
16	30.6	29.9	30.2	30.6	29.4	29.9	30.0	29.5	29.7	29.4	28.6	29.0
17	30.2	29.5	29.7	30.6	29.8	30.2	30.4	29.6	30.0	29.6	28.8	29.1
18	30.4	29.2	29.7	30.5	29.4	29.9	31.3	29.8	30.3	29.5	28.8	29.1
19	30.0	29.5	29.8	30.8	29.8	30.2	30.8	30.0	30.4	29.8	29.0	29.3
20	29.8	29.2	29.5	30.4	29.8	30.1	30.4	30.0	30.2	29.4	29.0	29.2
21	29.2	28.4	28.8	30.5	29.6	30.0	30.4	29.7	30.0	29.0	28.4	28.8
22	29.4	28.8	29.1	31.1	30.0	30.5	30.5	29.6	30.0	28.4	27.9	28.2
23	30.4	29.2	29.7	30.6	29.8	30.1	30.5	29.8	30.1	28.3	27.5	27.8
24	30.2	29.6	29.9	30.0	29.4	29.7	30.7	29.9	30.3	28.3	27.6	28.0
25	30.4	29.7	30.0	29.8	29.4	29.7	30.7	30.2	30.4	28.5	27.8	28.1
26	30.9	29.7	30.2	29.9	29.3	29.6	31.0	30.2	30.6	28.5	28.1	28.3
27	30.5	29.6	30.2	30.1	29.4	29.7	31.0	30.6	30.7	28.9	28.3	28.5
28	30.6	29.6	30.0	30.7	29.6	30.0	31.1	30.4	30.7	28.5	27.7	28.1
29	30.5	30.0	30.2	30.6	30.1	30.3	31.0	30.3	30.6	27.7	25.8	26.6
30	30.0	28.0	29.1	30.3	29.8	30.1	30.9	30.0	30.4	25.8	24.4	25.1
31	---	---	---	30.9	29.9	30.4	30.1	29.4	29.8	---	---	---
MONTH	30.9	26.6	29.2	31.1	27.3	29.4	32.2	29.4	30.5	31.2	24.4	29.0

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 Falgout Canal Road and Highway 57, 0.8 mi south of Dulac, 16.4 mi south of Houma.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to September 30, 1988 (daily discharges below 6.0 ft stage only, discontinued); January 1989 to September 1998, October 1999 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is NGVD of 1929. Prior to July 9, 1996 datum of gage was 4.00 ft above NGVD of 1929. Prior to Oct. 1, 1985, datum of gage was 6.00 ft above NGVD of 1929.

REMARKS.--No estimated daily discharge. No discharge record for Oct. 1-3, Jan. 23-25, and Feb. 18, 25. Records poor. Site affected by tide, wind, and boat traffic. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge recorded, 2,640 ft³/s, Oct. 13, 1984; maximum gage height, 8.89 ft, Oct. 28, 1985; maximum negative discharge, -1,960 ft³/s, Sept. 11, 1998; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 848 ft³/s, June 21; maximum gage height, 4.87 ft, Oct. 3; maximum negative discharge, -1,890 ft³/s, June 30; minimum gage height, -0.21 ft, Jan. 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	284	---	89	---	138	---	62	68	260	39	23
2	---	152	---	---	-4.9	160	-23	73	-6.4	306	80	53
3	---	-25	96	---	56	263	-112	69	75	343	35	72
4	---	28	60	---	157	452	37	-64	55	313	10	93
5	124	122	236	---	76	137	7.2	-202	3.6	263	11	87
6	427	357	---	---	123	382	-61	-184	162	222	19	65
7	332	204	---	---	239	260	87	-49	208	162	32	55
8	322	114	---	---	132	68	244	-54	213	149	-23	36
9	140	34	75	---	11	142	423	-26	148	144	11	3.1
10	305	145	165	---	123	149	---	-39	50	139	1.5	43
11	350	189	68	---	51	98	---	178	39	119	17	53
12	295	293	68	---	99	104	68	307	30	70	14	-48
13	335	---	360	187	-26	146	44	209	88	14	31	74
14	258	19	---	---	45	81	87	39	54	-46	33	136
15	183	136	---	---	25	61	-21	49	48	32	-30	88
16	197	---	---	---	205	76	84	-10	57	141	-8.1	28
17	131	---	-25	---	---	129	95	124	49	253	100	45
18	53	---	41	---	---	45	53	140	25	224	158	60
19	138	---	66	---	8.5	86	-77	85	63	153	49	60
20	132	---	216	---	-33	259	45	73	138	145	60	101
21	118	153	7.5	---	-173	343	143	120	281	123	76	79
22	73	---	105	---	425	187	49	125	255	101	24	169
23	131	---	-32	---	100	228	13	110	191	91	2.7	137
24	107	29	192	---	153	110	-23	35	137	87	-1.1	35
25	85	74	---	---	193	-8.4	185	57	139	78	-4.8	39
26	169	137	---	---	50	85	191	77	103	64	55	-62
27	51	---	---	---	236	61	126	123	102	45	43	14
28	161	---	---	---	197	122	-44	87	64	49	24	231
29	166	---	2.7	---	---	252	-21	69	-12	42	-32	191
30	230	158	22	148	---	---	59	39	-609	38	-116	162
31	343	---	275	138	---	---	---	54	---	28	-110	---
TOTAL	---	---	---	---	---	---	---	1,676	2,218.2	4,152	600.2	2,122.1
MEAN	---	---	---	---	---	---	---	54.1	73.9	134	19.4	70.7

07381324 BAYOU GRAND CAILLOU AT DULAC, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.68	---	---	---	0.34	---	0.80	0.13	1.87	0.31	1.53
2	1.47	0.64	---	---	---	0.34	0.04	0.69	0.41	1.37	0.31	1.41
3	3.91	0.97	---	---	0.20	0.50	0.41	0.62	0.48	1.13	0.32	1.26
4	2.92	0.93	0.33	---	---	0.66	0.53	0.67	0.49	0.95	0.35	1.15
5	2.01	1.17	---	---	0.06	0.78	0.60	1.17	0.63	0.89	0.38	1.08
6	1.43	0.64	---	---	0.29	0.69	0.76	1.30	0.92	0.80	0.34	1.01
7	1.07	0.36	---	---	---	0.50	0.88	1.35	0.72	0.80	0.24	1.02
8	0.97	0.43	---	---	---	0.65	0.92	1.25	0.42	0.83	0.24	1.08
9	1.36	0.61	---	---	0.25	0.53	0.25	1.26	0.31	0.80	0.34	1.16
10	1.55	0.80	---	---	0.14	0.44	---	1.30	0.43	0.74	0.39	1.09
11	1.30	0.90	0.23	---	---	0.49	---	1.20	0.57	0.72	0.43	1.12
12	1.18	0.40	0.29	---	0.09	0.58	0.07	0.59	0.68	0.73	0.57	1.35
13	0.91	---	0.20	---	---	0.50	0.08	0.45	0.70	0.90	0.58	1.32
14	0.74	0.32	---	---	0.19	0.52	0.09	0.68	0.69	1.18	0.53	1.00
15	0.88	0.48	---	---	0.46	0.59	0.03	0.70	0.66	1.30	0.56	0.98
16	0.74	---	---	---	0.35	0.89	0.45	0.68	0.61	1.07	0.71	1.00
17	0.87	---	---	---	---	0.93	0.44	0.81	0.59	0.84	0.74	1.03
18	0.82	0.02	0.37	---	---	1.09	0.38	0.67	0.60	0.70	0.56	1.02
19	1.06	---	0.52	---	0.15	1.18	0.58	0.54	0.64	0.52	0.63	1.04
20	0.87	---	0.25	---	0.16	1.00	0.67	0.50	0.65	0.37	0.57	0.93
21	0.85	---	0.21	---	0.65	0.63	0.47	0.44	0.71	0.27	0.50	1.07
22	0.87	---	0.25	---	0.50	0.48	0.43	0.26	0.62	0.28	0.58	1.09
23	1.00	---	0.36	---	0.34	0.33	0.50	0.18	0.55	0.29	0.75	0.96
24	0.94	---	0.59	---	0.37	0.30	0.81	0.27	0.66	0.27	0.86	1.09
25	1.06	0.16	---	---	0.21	0.42	0.79	0.35	0.76	0.24	0.98	1.12
26	1.01	0.25	---	---	0.36	0.51	0.49	0.46	0.80	0.30	1.00	1.35
27	1.07	---	---	---	0.44	0.63	0.44	0.35	0.88	0.30	0.99	1.35
28	1.12	---	---	---	0.29	0.79	0.57	0.28	0.92	0.38	0.99	1.05
29	1.22	---	0.02	---	---	---	0.71	0.24	1.17	0.42	1.04	0.79
30	1.10	0.09	0.20	---	---	---	0.80	0.24	2.15	0.44	1.49	0.81
31	0.77	---	0.46	---	---	---	---	0.23	---	0.38	1.58	---
MAX	---	---	---	---	---	---	---	1.35	2.15	1.87	1.58	1.53
MIN	---	---	---	---	---	---	---	0.18	0.13	0.24	0.24	0.79

07381324 BAYOU GRAND CAILLOU AT DULAC, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2002 to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 2002 to September 2003.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: October 2002 to September 2003.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 16-Nov. 11, 14, 18-20, 22-24, Jan. 1-9, 11-12, 20-24, 29, Feb. 6, 9-13, Feb. 17-19, 22, Feb. 27-Mar. 13, Apr. 26-May 6, May 15-June 2, July 12-29, and Aug. 17, and Aug. 21-Sept. 30 when records good; Mar. 14-25 and Mar. 30-June 16 when records fair; and Mar. 26-Apr. 1, and June 17-23 when records poor.

SALINITY: Records excellent except for Oct. 16-Nov. 11, 14, 18-20, 22-24, Jan. 1-9, 11-12, 20-24, 29, Feb. 6, 9-13, Feb. 17-19, 22, Feb. 27-Mar. 13, Apr. 26-May 6, May 15-June 2, July 12-29, and Aug. 17, and Aug. 21-Sept. 30 when records good; Mar. 14-25 and Mar. 30-June 16 when records fair; and Mar. 26-Apr. 1, and June 17-23 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 32,100 microsiemens/cm, Feb. 10, 2003; minimum, 344 microsiemens/cm, Apr. 3, 2003.

SALINITY: Maximum, 20.0 ppt, Feb. 10, 2003; minimum, 0.2 ppt, Apr. 3, 16, 2003.

WATER TEMPERATURE: Maximum, 32.7°C, Sept. 4, 2003; minimum, 6.5°C, Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 32,100 microsiemens/cm, Feb. 10; minimum, 344 microsiemens/cm, Apr. 3.

SALINITY: Maximum, 20.0 ppt, Feb. 10; minimum, 0.2 ppt, Apr. 3, 16.

WATER TEMPERATURE: Maximum, 32.7°C, Sept. 4; minimum, 6.5°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11,600	5,620	8,490	9,020	5,260	6,950	12,200	7,670	9,580	9,580	3,930	6,250
2	13,300	6,530	10,100	8,830	6,700	7,480	14,500	8,230	10,300	5,410	3,820	4,420
3	22,800	13,000	17,600	20,500	8,830	15,100	16,700	8,570	11,700	7,900	2,670	4,460
4	17,200	13,600	15,500	21,000	11,600	16,500	17,500	10,400	13,100	4,610	1,380	3,520
5	13,600	11,900	13,000	19,200	13,800	17,100	16,600	7,480	10,500	4,740	1,300	3,180
6	11,900	9,210	10,100	17,300	7,350	12,200	8,910	5,430	7,110	5,500	2,960	3,610
7	9,480	8,890	9,260	10,500	5,650	8,150	8,200	5,140	6,680	5,320	2,670	3,780
8	11,300	8,830	9,500	8,310	4,770	6,070	7,680	5,200	6,320	4,410	1,370	2,800
9	10,800	9,310	10,000	7,930	4,600	5,450	8,300	3,960	6,100	2,560	1,490	1,900
10	10,000	6,540	8,130	9,780	4,380	6,500	18,800	5,600	12,900	8,000	2,560	5,170
11	10,500	5,210	7,240	9,710	6,700	8,320	16,200	10,800	13,300	5,630	2,620	4,040
12	10,500	5,860	7,870	8,510	2,640	4,580	15,200	11,500	13,100	7,590	3,360	4,070
13	10,400	5,760	7,440	6,440	2,750	4,920	26,800	11,700	17,800	21,700	4,510	9,040
14	9,430	6,320	7,550	6,300	3,590	4,190	17,400	5,890	11,300	25,200	8,830	15,800
15	8,560	6,030	6,940	9,970	5,620	7,290	9,230	5,800	7,220	13,400	5,780	9,680
16	8,810	6,370	7,350	8,950	4,230	5,330	7,930	6,080	7,070	10,300	6,160	8,040
17	9,540	6,910	7,870	8,240	4,230	6,480	7,440	3,470	5,610	8,870	4,550	6,290
18	8,500	7,580	7,920	4,940	2,800	3,700	19,300	7,110	12,900	6,320	2,120	5,160
19	17,300	7,590	14,400	5,580	2,890	4,000	20,200	13,200	16,800	7,230	3,780	5,220
20	15,500	9,650	11,600	4,790	1,310	3,580	18,400	10,100	15,100	5,440	3,710	4,550
21	9,650	8,040	8,980	11,300	1,600	5,800	11,800	7,730	9,440	5,330	3,220	3,950
22	9,090	7,020	7,760	6,240	3,810	4,560	11,900	7,190	9,120	5,330	3,180	3,640
23	13,100	7,920	9,220	6,340	3,650	4,560	9,290	4,960	6,910	6,320	2,930	3,920
24	10,900	7,320	8,560	4,900	2,380	4,020	24,500	6,300	20,200	15,900	2,430	6,370
25	14,900	7,720	10,100	8,320	2,180	5,060	20,400	8,240	13,400	17,700	11,300	13,700
26	10,700	6,980	8,830	13,100	4,390	7,690	11,200	7,530	8,920	25,200	9,500	13,900
27	11,000	6,980	8,390	7,080	4,070	5,060	9,250	6,130	6,820	26,900	13,300	18,300
28	15,200	7,170	9,910	7,180	3,700	5,210	6,870	5,410	6,090	23,500	14,600	18,400
29	10,400	5,850	8,470	9,500	4,010	6,440	6,510	4,060	5,690	22,000	14,900	17,900
30	8,330	4,310	6,120	15,100	9,380	12,100	10,200	3,440	6,280	24,100	14,100	18,400
31	8,620	4,880	6,670	---	---	---	24,700	8,310	16,300	22,400	13,800	17,100
MONTH	22,800	4,310	9,380	21,000	1,310	7,150	26,800	3,440	10,400	26,900	1,300	7,950

07381324 BAYOU GRAND CAILLOU AT DULAC, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14,200	11,600	13,500	10,600	6,810	8,180	2,780	805	1,850	17,800	10,000	12,900
2	12,600	8,300	11,500	9,670	5,730	7,390	1,910	802	1,480	12,800	9,790	11,100
3	14,800	8,270	11,800	8,450	4,290	6,180	1,490	344	752	11,000	8,310	9,500
4	15,300	10,300	12,100	9,570	4,050	7,070	4,020	753	1,600	17,800	3,980	8,810
5	11,800	10,100	10,800	8,500	7,170	7,840	3,450	1,340	2,300	30,000	14,700	20,000
6	28,500	10,500	20,400	9,710	5,020	7,930	11,200	1,250	3,630	29,500	19,300	23,400
7	28,000	10,500	15,200	11,000	6,100	8,570	11,200	3,270	6,360	25,700	20,200	22,100
8	26,200	9,700	13,400	17,000	5,900	10,500	7,480	2,950	5,150	21,400	19,600	20,500
9	31,500	20,900	26,800	15,900	6,300	9,520	4,510	1,630	2,480	20,700	19,200	19,700
10	32,100	24,000	28,200	10,900	6,870	8,760	8,520	1,670	4,210	20,600	19,300	19,600
11	27,600	17,500	22,500	10,100	6,460	8,430	7,520	1,670	3,690	21,300	17,700	19,300
12	26,000	18,700	22,100	9,340	5,610	6,600	5,960	2,400	3,920	18,500	11,500	14,900
13	20,800	16,300	18,700	7,370	3,930	5,570	4,360	2,530	3,440	15,900	12,200	14,400
14	25,500	17,900	20,700	4,840	2,510	3,690	3,020	2,160	2,610	15,700	9,110	11,200
15	29,900	21,700	26,000	4,560	1,050	2,970	2,560	1,070	2,140	10,900	7,110	8,680
16	28,300	21,900	25,800	9,630	1,160	4,160	14,500	438	8,060	11,000	5,800	7,840
17	22,100	12,900	19,000	15,000	5,260	10,600	13,400	5,810	9,120	16,300	4,610	9,520
18	15,400	11,000	12,900	7,060	3,790	5,540	6,160	2,170	4,470	14,500	8,020	9,270
19	13,900	10,900	11,700	6,420	4,380	5,610	12,900	1,280	5,040	11,600	7,460	9,230
20	11,500	9,830	10,400	6,660	3,240	5,430	16,800	3,410	8,790	11,300	7,300	8,790
21	29,800	7,660	18,800	5,420	1,070	2,600	15,400	5,540	8,120	10,400	6,550	8,400
22	29,800	14,800	22,900	7,860	1,050	4,150	9,120	5,170	6,970	11,300	5,900	8,220
23	20,700	12,600	17,300	7,620	1,470	4,270	9,240	3,520	6,250	10,800	5,990	8,090
24	17,900	9,440	14,000	7,160	1,560	4,330	18,000	6,770	12,600	7,320	2,610	4,900
25	15,300	8,260	11,500	4,830	1,850	3,230	18,000	12,500	15,400	4,640	3,790	4,300
26	13,500	8,650	10,600	3,510	1,610	2,530	14,000	7,780	11,600	4,210	2,650	3,090
27	20,700	7,920	15,100	6,400	1,970	3,620	11,200	6,150	9,470	4,830	3,340	4,390
28	14,000	7,320	9,590	10,300	4,850	6,950	9,450	5,660	6,840	7,740	3,850	5,800
29	---	---	---	4,850	2,300	3,010	6,940	5,170	6,130	5,450	3,410	4,410
30	---	---	---	---	---	---	17,300	6,200	11,600	5,090	1,800	3,420
31	---	---	---	9,060	1,540	4,550	---	---	---	4,080	2,040	2,890
MONTH	32,100	7,320	16,900	---	---	---	18,000	344	5,870	30,000	1,800	10,900
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3,750	1,740	2,810	20,500	16,500	18,600	2,160	1,740	1,900	16,200	13,000	14,700
2	9,130	856	3,700	16,500	8,230	11,700	1,810	1,440	1,670	17,300	13,200	14,600
3	8,360	3,600	5,720	8,230	5,350	6,910	1,720	1,420	1,500	17,400	12,000	14,000
4	5,170	1,980	3,880	7,070	4,430	5,450	1,530	906	1,290	12,900	10,200	12,000
5	4,510	1,130	3,160	6,320	3,750	4,650	2,060	894	1,320	11,000	8,440	9,950
6	3,340	2,250	2,760	8,040	3,810	6,000	2,070	1,190	1,570	12,600	8,430	9,770
7	2,500	868	1,720	7,480	5,230	6,300	1,660	1,230	1,410	16,100	8,260	10,900
8	4,600	910	2,680	7,270	4,660	5,840	1,470	613	1,130	14,900	9,050	11,400
9	6,240	2,490	4,850	6,340	4,660	5,480	10,200	704	3,900	17,500	9,290	12,800
10	4,500	2,140	3,070	6,740	5,330	6,070	5,910	1,890	4,110	14,600	10,500	11,600
11	2,140	536	1,410	6,800	4,230	5,710	6,070	2,560	4,160	10,900	9,420	10,100
12	2,030	553	1,180	6,180	2,260	4,370	7,580	3,040	4,500	16,200	9,260	11,800
13	1,760	982	1,400	7,210	750	3,690	5,460	3,120	4,040	13,000	10,500	11,600
14	2,410	767	1,470	13,600	2,470	6,430	4,010	2,940	3,590	11,300	8,450	9,960
15	2,740	916	1,530	12,600	6,340	10,300	11,500	2,260	4,210	10,500	7,320	8,330
16	2,590	836	1,560	11,200	7,440	8,580	17,500	4,880	9,430	10,200	6,990	8,080
17	3,020	1,150	1,830	8,260	3,940	5,980	18,200	10,400	14,700	13,100	7,060	9,690
18	2,960	678	1,790	5,160	2,880	3,890	11,800	3,750	8,410	12,100	7,540	9,170
19	2,600	1,420	1,790	4,770	2,690	3,620	6,550	2,580	4,320	12,500	7,480	9,330
20	1,900	1,160	1,360	5,100	2,900	3,960	5,690	1,700	3,640	9,310	6,720	8,130
21	1,410	732	1,080	4,410	3,220	3,780	4,590	1,440	3,150	16,400	5,220	11,200
22	791	705	742	4,260	2,830	3,690	7,400	1,860	4,030	9,800	5,130	7,920
23	2,640	748	1,420	3,880	2,240	3,150	16,300	2,520	8,570	7,770	4,320	6,080
24	4,640	914	2,530	3,470	1,920	2,900	16,400	6,600	11,400	14,800	3,140	8,020
25	3,530	890	1,830	3,350	1,840	2,690	18,500	8,820	13,300	11,000	6,120	8,030
26	4,300	896	2,090	3,240	1,660	2,720	17,400	10,900	14,200	22,700	9,660	16,200
27	2,790	906	1,530	3,070	1,340	2,590	15,200	10,500	12,500	22,000	12,400	17,200
28	2,220	789	1,340	2,900	633	2,070	13,000	10,100	11,000	17,400	8,890	11,600
29	7,040	584	2,350	2,820	724	2,010	11,000	10,100	10,400	10,100	6,830	8,350
30	21,700	4,210	12,600	2,420	1,060	2,020	23,600	10,500	17,900	13,000	6,850	9,080
31	---	---	---	2,380	1,760	2,090	23,800	12,900	17,400	---	---	---
MONTH	21,700	536	2,570	20,500	633	5,270	23,800	613	6,600	22,700	3,140	10,700

07381324 BAYOU GRAND CAILLOU AT DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.6	3.0	4.7	5.0	2.8	3.8	7.0	4.2	5.4	5.4	2.1	3.4
2	7.6	3.6	5.7	4.9	3.7	4.1	8.4	4.6	5.8	2.9	2.0	2.3
3	13.7	7.5	10.4	12.2	4.9	8.8	9.8	4.8	6.7	4.4	1.4	2.4
4	10.1	7.8	9.0	12.6	6.6	9.7	10.3	5.9	7.5	2.5	0.7	1.8
5	7.8	6.8	7.5	11.4	7.9	10.1	9.7	4.1	6.0	2.5	0.6	1.7
6	6.8	5.1	5.7	10.2	4.0	7.0	5.0	2.9	3.9	3.0	1.5	1.9
7	5.3	5.0	5.2	6.0	3.0	4.5	4.5	2.8	3.6	2.9	1.4	2.0
8	6.4	4.9	5.3	4.6	2.5	3.3	4.2	2.8	3.4	2.3	0.7	1.5
9	6.1	5.2	5.6	4.4	2.5	2.9	4.6	2.1	3.3	1.3	0.7	1.0
10	5.6	3.6	4.5	5.5	2.3	3.6	11.1	3.0	7.4	4.4	1.3	2.8
11	6.0	2.8	4.0	5.4	3.7	4.6	9.4	6.1	7.7	3.0	1.3	2.1
12	6.0	3.2	4.4	4.7	1.4	2.4	8.9	6.5	7.5	4.2	1.8	2.2
13	5.9	3.1	4.1	3.5	1.4	2.6	16.4	6.6	10.5	13.0	2.4	5.1
14	5.3	3.4	4.2	3.4	1.9	2.2	10.2	3.2	6.4	15.3	4.9	9.3
15	4.8	3.3	3.8	5.6	3.0	4.0	5.2	3.1	4.0	7.7	3.1	5.4
16	4.9	3.5	4.0	5.0	2.2	2.9	4.4	3.3	3.9	5.8	3.3	4.4
17	5.3	3.8	4.3	4.6	2.2	3.5	4.1	1.8	3.0	4.9	2.4	3.4
18	4.7	4.2	4.4	2.6	1.4	1.9	11.5	3.9	7.4	3.4	1.1	2.8
19	10.2	4.2	8.4	3.0	1.5	2.1	12.0	7.6	9.9	4.0	2.0	2.8
20	9.0	5.4	6.6	2.6	0.7	1.9	10.9	5.7	8.8	2.9	2.0	2.4
21	5.4	4.4	5.0	6.4	0.8	3.2	6.7	4.3	5.3	2.9	1.7	2.1
22	5.1	3.8	4.3	3.4	2.0	2.4	6.8	3.9	5.1	2.9	1.7	1.9
23	7.5	4.4	5.2	3.4	1.9	2.4	5.2	2.7	3.8	3.4	1.5	2.1
24	6.2	4.0	4.8	2.6	1.2	2.1	14.8	3.4	12.1	9.3	1.2	3.5
25	8.7	4.3	5.7	4.6	1.1	2.7	12.1	4.6	7.8	10.4	6.4	7.9
26	6.1	3.8	4.9	7.5	2.3	4.3	6.3	4.1	5.0	15.3	5.3	8.0
27	6.2	3.8	4.7	3.9	2.2	2.7	5.2	3.3	3.7	16.4	7.6	10.9
28	8.9	3.9	5.6	3.9	1.9	2.8	3.8	2.9	3.3	14.2	8.5	10.9
29	5.9	3.2	4.7	5.3	2.1	3.5	3.5	2.1	3.1	13.2	8.7	10.5
30	4.6	2.3	3.3	8.8	5.2	6.9	5.8	1.8	3.4	14.6	8.1	10.9
31	4.8	2.6	3.6	---	---	---	15.0	4.6	9.6	13.5	7.9	10.1
MONTH	13.7	2.3	5.3	12.6	0.7	4.0	16.4	1.8	5.9	16.4	0.6	4.5
FEBRUARY			MARCH			APRIL			MAY			
1	8.2	6.6	7.7	6.0	3.7	4.5	1.4	0.4	0.9	10.5	5.6	7.4
2	7.2	4.6	6.5	5.4	3.1	4.1	1.0	0.4	0.7	7.4	5.5	6.3
3	8.6	4.6	6.7	4.7	2.3	3.4	0.7	0.2	0.4	6.2	4.6	5.3
4	8.9	5.8	6.9	5.4	2.1	3.9	2.1	0.4	0.8	10.5	2.1	4.9
5	6.7	5.7	6.1	4.7	3.9	4.3	1.8	0.7	1.2	18.6	8.6	12.0
6	17.5	6.0	12.3	5.4	2.7	4.4	6.3	0.6	1.9	18.2	11.5	14.1
7	17.2	6.0	8.9	6.2	3.3	4.8	6.3	1.7	3.5	15.7	12.0	13.3
8	16.0	5.4	7.8	10.0	3.2	5.9	4.1	1.5	2.8	12.9	11.7	12.2
9	19.6	12.5	16.4	9.3	3.4	5.4	2.4	0.8	1.3	12.4	11.4	11.7
10	20.0	14.5	17.4	6.2	3.8	4.9	4.7	0.8	2.3	12.3	11.5	11.7
11	16.9	10.3	13.6	5.7	3.5	4.7	4.1	0.8	2.0	12.8	10.4	11.5
12	15.9	11.1	13.3	5.2	3.0	3.6	3.2	1.2	2.1	10.9	6.5	8.6
13	12.4	9.5	11.1	4.1	2.1	3.0	2.3	1.3	1.8	9.3	7.0	8.3
14	15.5	10.5	12.4	2.6	1.3	1.9	1.6	1.1	1.3	9.1	5.1	6.4
15	18.5	13.0	15.8	2.4	0.5	1.5	1.3	0.5	1.1	6.2	3.9	4.8
16	17.4	13.2	15.8	5.4	0.6	2.2	8.4	0.2	4.6	6.2	3.1	4.3
17	13.3	7.4	11.3	8.7	2.8	6.0	7.7	3.1	5.1	9.5	2.5	5.4
18	9.0	6.2	7.4	3.9	2.0	3.0	3.3	1.1	2.4	8.4	4.4	5.2
19	8.0	6.2	6.7	3.5	2.3	3.0	7.4	0.6	2.7	6.6	4.1	5.2
20	6.5	5.5	5.9	3.6	1.7	2.9	9.9	1.8	5.0	6.4	4.0	4.9
21	18.4	4.2	11.2	2.9	0.5	1.3	9.0	3.0	4.5	5.9	3.6	4.7
22	18.4	8.6	13.8	4.3	0.5	2.2	5.1	2.8	3.8	6.4	3.2	4.6
23	12.4	7.2	10.2	4.2	0.7	2.3	5.2	1.8	3.4	6.1	3.2	4.5
24	10.5	5.3	8.1	3.9	0.8	2.3	10.6	3.7	7.2	4.0	1.3	2.6
25	8.9	4.6	6.5	2.6	0.9	1.7	10.6	7.2	9.0	2.5	2.0	2.3
26	7.8	4.8	6.0	1.8	0.8	1.3	8.1	4.3	6.6	2.2	1.4	1.6
27	12.4	4.4	8.8	3.5	1.0	1.9	6.3	3.3	5.3	2.6	1.7	2.3
28	8.1	4.0	5.4	5.8	2.6	3.8	5.3	3.1	3.7	4.3	2.0	3.1
29	---	---	---	2.6	1.2	1.6	3.8	2.8	3.3	2.9	1.8	2.3
30	---	---	---	---	---	---	10.2	3.4	6.6	2.7	0.9	1.8
31	---	---	---	5.1	0.8	2.4	---	---	---	2.2	1.0	1.5
MONTH	20.0	4.0	10.0	---	---	---	10.6	0.2	3.2	18.6	0.9	6.3

07381324 BAYOU GRAND CAILLOU AT DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	2.0	0.9	1.5	12.2	9.7	11.0	1.1	0.9	1.0	9.4	7.5	8.5
2	5.1	0.4	2.0	9.7	4.6	6.7	0.9	0.7	0.8	10.2	7.6	8.5
3	4.6	1.9	3.1	4.6	2.9	3.8	0.9	0.7	0.8	10.2	6.8	8.1
4	2.8	1.0	2.0	3.9	2.4	2.9	0.8	0.4	0.6	7.4	5.8	6.9
5	2.4	0.6	1.7	3.4	2.0	2.5	1.0	0.4	0.7	6.2	4.7	5.6
6	1.7	1.1	1.4	4.4	2.0	3.3	1.1	0.6	0.8	7.2	4.7	5.5
7	1.3	0.4	0.9	4.1	2.8	3.4	0.8	0.6	0.7	9.4	4.6	6.2
8	2.5	0.4	1.4	4.0	2.5	3.2	0.7	0.3	0.6	8.7	5.0	6.5
9	3.4	1.3	2.6	3.4	2.5	3.0	5.8	0.3	2.1	10.3	5.2	7.4
10	2.4	1.1	1.6	3.7	2.9	3.3	3.2	1.0	2.2	8.5	6.0	6.6
11	1.1	0.3	0.7	3.7	2.2	3.1	3.3	1.3	2.2	6.2	5.3	5.7
12	1.0	0.3	0.6	3.4	1.2	2.3	4.2	1.6	2.4	9.4	5.2	6.7
13	0.9	0.5	0.7	4.0	0.4	2.0	2.9	1.6	2.1	7.5	6.0	6.6
14	1.2	0.4	0.7	7.8	1.3	3.6	2.1	1.5	1.9	6.4	4.7	5.6
15	1.4	0.4	0.8	7.2	3.4	5.8	6.5	1.2	2.3	6.0	4.0	4.6
16	1.3	0.4	0.8	6.3	4.1	4.8	10.3	2.6	5.3	5.8	3.8	4.5
17	1.6	0.6	0.9	4.6	2.1	3.2	10.7	5.9	8.6	7.5	3.9	5.5
18	1.5	0.3	0.9	2.8	1.5	2.1	6.7	2.0	4.7	6.9	4.2	5.1
19	1.3	0.7	0.9	2.5	1.4	1.9	3.6	1.3	2.3	7.2	4.1	5.2
20	1.0	0.6	0.7	2.7	1.5	2.1	3.1	0.9	1.9	5.2	3.7	4.5
21	0.7	0.4	0.5	2.3	1.7	2.0	2.4	0.7	1.6	9.6	2.8	6.4
22	0.4	0.3	0.4	2.3	1.5	1.9	4.1	0.9	2.1	5.5	2.8	4.4
23	1.4	0.4	0.7	2.0	1.1	1.6	9.5	1.3	4.8	4.3	2.3	3.3
24	2.5	0.4	1.3	1.8	1.0	1.5	9.6	3.6	6.5	8.6	1.6	4.5
25	1.8	0.4	0.9	1.7	0.9	1.4	10.9	4.9	7.7	6.2	3.3	4.5
26	2.3	0.4	1.1	1.7	0.8	1.4	10.2	6.2	8.2	13.7	5.4	9.5
27	1.4	0.4	0.8	1.6	0.7	1.3	8.9	6.0	7.2	13.2	7.1	10.1
28	1.1	0.4	0.7	1.5	0.3	1.1	7.5	5.7	6.2	10.2	5.0	6.6
29	3.9	0.3	1.2	1.5	0.4	1.0	6.2	5.7	5.9	5.7	3.7	4.6
30	13.0	2.2	7.3	1.2	0.5	1.0	14.3	6.0	10.6	7.5	3.7	5.1
31	---	---	---	1.2	0.9	1.1	14.4	7.4	10.3	---	---	---
MONTH	13.0	0.3	1.4	12.2	0.3	2.9	14.4	0.3	3.7	13.7	1.6	6.1

07381324 BAYOU GRAND CAILLOU AT DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.7	28.1	29.1	21.9	20.9	21.6	14.7	13.0	13.8	15.7	13.7	14.4
2	29.4	26.9	28.6	20.9	19.3	19.7	14.3	13.3	13.7	15.2	13.8	14.5
3	27.0	26.0	26.3	20.4	19.1	19.5	15.9	13.7	14.5	14.5	11.9	13.2
4	26.8	26.0	26.1	21.1	19.1	20.1	17.8	14.9	16.1	13.2	11.5	12.2
5	28.2	26.8	27.7	21.3	20.4	20.8	16.9	13.3	15.6	14.1	11.9	12.6
6	28.4	27.7	28.0	21.2	19.3	20.4	13.7	11.6	12.9	14.7	12.7	13.6
7	29.2	27.8	28.4	19.7	18.7	19.1	13.0	11.7	12.3	13.9	12.7	13.2
8	28.8	27.8	28.2	20.2	18.2	19.1	12.7	12.1	12.4	13.3	12.2	12.7
9	28.7	27.4	28.1	21.2	19.7	20.2	12.7	12.1	12.4	13.9	12.6	13.1
10	27.7	26.2	26.9	22.6	20.7	21.5	12.6	11.9	12.2	15.3	13.3	14.3
11	27.7	26.2	27.0	22.8	22.3	22.6	13.2	11.8	12.2	14.8	11.3	12.7
12	27.7	26.6	27.0	22.6	21.0	22.0	12.8	12.2	12.4	11.9	9.9	11.0
13	26.6	25.2	26.0	21.0	17.3	18.7	13.4	12.1	12.7	11.1	9.9	10.6
14	25.2	23.4	24.0	19.1	17.8	18.2	13.1	11.8	12.4	10.3	9.4	9.9
15	23.6	22.5	23.2	19.4	18.6	18.9	13.0	11.7	12.3	10.6	9.8	10.1
16	23.7	21.8	22.6	19.2	16.4	17.9	13.7	12.2	12.8	11.3	10.2	10.7
17	22.8	21.9	22.5	16.4	14.1	15.3	14.6	12.8	13.5	10.8	8.0	9.8
18	22.8	22.0	22.5	16.4	15.1	15.9	17.9	13.7	15.7	9.5	8.2	9.0
19	23.4	22.4	23.0	17.6	16.2	16.8	18.0	16.6	17.1	11.1	9.2	9.7
20	24.2	23.4	23.7	18.0	17.3	17.5	17.7	16.4	17.1	12.7	9.5	10.8
21	25.1	24.1	24.4	18.6	17.2	17.8	16.5	15.4	16.0	13.4	10.9	12.2
22	25.1	23.9	24.5	17.7	16.5	17.2	18.4	15.5	16.5	14.6	12.4	13.7
23	24.9	24.1	24.5	17.2	15.3	16.2	18.4	17.4	17.8	14.4	10.7	12.5
24	25.6	24.4	24.9	17.4	15.6	16.4	18.3	17.3	17.9	10.7	8.5	9.5
25	25.3	24.4	24.9	18.8	16.3	17.4	17.3	13.3	14.7	9.0	6.5	8.4
26	25.1	24.2	24.7	19.3	17.2	18.1	13.8	11.2	12.8	8.8	8.0	8.4
27	25.5	24.1	24.6	19.2	14.3	17.4	12.3	11.2	11.9	9.4	8.0	8.6
28	26.5	24.9	25.6	15.8	13.4	14.8	12.8	11.9	12.4	10.3	8.8	9.4
29	26.5	24.6	25.7	15.0	12.9	14.1	13.7	12.8	13.2	13.1	9.9	11.0
30	25.1	24.2	24.6	15.0	14.3	14.6	14.6	13.5	13.9	14.4	11.8	12.9
31	24.8	21.9	23.4	---	---	---	15.8	14.6	15.5	14.3	12.8	13.5
MONTH	29.7	21.8	25.5	22.8	12.9	18.3	18.4	11.2	14.1	15.7	6.5	11.6
FEBRUARY			MARCH			APRIL			MAY			
1	15.2	13.3	13.9	16.0	15.3	15.6	18.8	17.1	17.9	26.6	26.0	26.3
2	16.1	13.6	14.4	17.1	15.6	16.2	19.2	18.0	18.6	28.3	26.5	27.3
3	16.3	14.3	15.1	16.2	14.1	15.3	19.9	18.5	19.2	29.0	27.6	28.2
4	16.6	15.0	15.9	14.9	13.5	14.1	21.4	19.6	20.4	29.0	27.9	28.4
5	16.3	13.1	14.5	16.1	14.7	15.1	22.7	21.0	21.7	28.4	27.5	28.0
6	14.5	13.0	14.1	18.2	15.3	16.4	24.2	22.7	23.3	28.1	26.8	27.6
7	14.5	12.1	13.6	18.7	17.4	17.9	24.6	23.8	24.2	28.1	27.0	27.5
8	12.4	9.4	11.2	18.4	16.2	17.6	24.2	22.0	23.3	28.0	27.4	27.8
9	11.3	10.6	10.9	19.4	17.1	18.3	22.0	17.1	19.8	28.1	27.3	27.7
10	13.4	11.3	12.1	20.7	18.4	19.5	17.1	13.7	15.4	28.6	27.5	28.0
11	14.4	12.6	13.0	20.2	19.0	19.7	17.6	15.2	16.2	29.4	27.4	28.3
12	14.8	12.8	13.5	19.9	19.0	19.6	19.0	16.6	17.7	29.5	28.8	29.2
13	16.1	13.8	14.8	21.8	19.5	20.5	21.0	18.1	19.1	28.8	26.8	27.9
14	17.9	14.9	16.0	21.7	19.4	20.4	21.8	19.5	20.6	29.1	27.6	28.2
15	18.8	16.5	17.8	22.0	18.2	20.4	24.0	20.7	21.9	29.5	27.8	28.5
16	18.7	17.2	18.3	20.9	18.3	20.0	23.1	21.2	22.1	29.4	27.6	28.6
17	17.3	13.8	16.0	22.0	20.1	21.1	24.4	22.8	23.3	29.3	27.7	28.5
18	15.6	13.4	14.3	21.4	19.4	20.6	25.4	23.7	24.5	29.1	27.7	28.5
19	15.6	14.3	14.8	21.1	19.8	20.3	25.8	24.5	25.3	29.1	28.0	28.7
20	17.8	15.5	16.6	21.6	20.5	21.1	25.7	24.0	25.2	29.1	28.0	28.7
21	18.8	16.1	17.7	21.4	19.5	20.6	26.4	25.1	25.6	29.7	28.1	28.8
22	18.9	17.2	17.9	20.8	19.2	20.1	26.3	24.6	25.6	29.1	26.9	27.9
23	17.4	14.6	16.1	21.1	19.8	20.4	25.5	23.6	24.5	27.8	25.3	26.8
24	17.3	16.0	16.8	21.5	20.0	20.8	24.6	24.1	24.3	28.0	26.5	27.2
25	18.3	16.1	17.0	21.9	20.3	21.1	25.2	23.9	24.4	28.8	27.5	28.1
26	16.5	15.8	16.2	21.3	20.4	20.9	26.3	24.4	25.1	29.6	27.4	28.3
27	16.8	15.8	16.4	21.3	19.7	20.5	26.3	22.8	24.6	29.4	28.0	28.8
28	16.3	15.3	15.9	22.7	21.2	21.8	26.0	24.6	25.2	28.9	26.4	27.7
29	---	---	---	22.5	19.7	21.4	26.2	25.0	25.5	29.3	26.9	28.0
30	---	---	---	---	---	---	26.1	24.9	25.5	29.4	26.8	28.0
31	---	---	---	18.1	15.9	17.0	---	---	---	29.4	27.0	28.3
MONTH	18.9	9.4	15.2	---	---	---	26.4	13.7	22.3	29.7	25.3	28.1

07381324 BAYOU GRAND CAILLOU AT DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.9	27.4	28.7	27.6	26.3	26.7	31.1	30.2	30.7	30.2	28.8	29.4
2	29.8	27.8	28.7	27.9	27.1	27.4	30.8	29.4	30.1	31.1	30.0	30.4
3	28.9	27.6	28.4	28.2	27.3	27.6	30.2	28.8	29.3	32.0	30.8	31.4
4	29.0	27.8	28.5	28.2	27.6	27.7	31.5	29.6	30.4	32.7	31.3	32.0
5	28.3	27.3	27.9	28.5	27.2	27.6	32.5	30.7	31.4	31.8	30.3	31.0
6	28.5	27.8	28.2	28.4	27.5	27.8	32.4	31.7	32.0	30.6	28.7	29.8
7	29.0	27.6	28.3	28.6	27.5	27.9	32.1	30.9	31.5	30.4	28.8	29.8
8	29.6	28.4	29.0	29.4	28.0	28.7	32.1	30.6	31.5	30.9	29.8	30.4
9	31.4	29.6	30.4	30.7	28.8	29.4	32.0	31.0	31.6	30.9	29.7	30.1
10	31.6	29.7	30.6	31.4	30.4	30.8	32.4	31.0	31.7	30.0	28.5	29.3
11	31.4	29.0	30.2	31.5	30.4	31.0	31.9	30.8	31.5	30.4	28.9	29.5
12	30.9	29.3	30.0	31.9	29.9	30.8	31.4	28.8	30.0	29.7	28.0	28.7
13	31.2	29.6	30.3	31.9	30.1	30.6	29.6	28.2	28.9	28.9	27.6	28.2
14	31.4	29.7	30.4	30.5	28.0	28.9	29.6	27.5	28.7	30.7	28.4	29.2
15	31.3	29.8	30.4	28.9	27.5	28.4	29.5	28.8	29.3	30.5	29.0	29.7
16	30.6	29.2	29.9	31.4	28.9	29.6	30.1	29.0	29.5	30.0	28.7	29.3
17	30.0	29.0	29.4	31.4	28.9	30.2	30.1	29.5	29.8	29.6	28.0	28.8
18	29.9	28.3	29.3	29.5	27.7	28.3	30.7	29.5	29.9	30.1	28.3	29.2
19	29.9	29.3	29.6	29.8	28.8	29.1	30.7	29.8	30.3	30.3	28.9	29.7
20	29.6	28.4	28.9	30.1	29.5	30.0	31.1	30.0	30.6	30.0	28.5	29.3
21	28.6	27.2	27.9	30.8	28.8	29.4	30.8	29.4	30.2	28.5	27.7	27.9
22	28.9	27.0	27.8	31.5	29.6	30.6	30.6	30.0	30.4	28.0	27.2	27.6
23	30.5	28.4	29.1	31.4	29.6	30.4	30.5	29.8	30.3	28.6	26.6	27.6
24	30.9	30.0	30.4	29.8	28.7	29.3	31.4	29.9	30.6	28.1	27.2	27.8
25	30.8	29.8	30.3	30.3	28.9	29.7	31.1	30.5	30.7	28.2	27.3	27.8
26	31.4	30.1	30.6	30.7	29.0	29.8	31.1	29.2	30.4	28.3	27.5	27.9
27	30.6	29.1	30.1	31.2	29.9	30.5	31.6	30.6	31.1	30.1	27.9	28.6
28	30.8	28.9	29.7	30.9	29.6	30.5	32.0	30.8	31.5	28.6	27.3	28.1
29	30.5	29.3	29.8	30.6	29.0	29.8	31.7	30.3	31.0	27.3	23.1	25.5
30	29.3	26.6	27.7	31.2	29.7	30.4	30.4	29.2	29.8	24.4	22.7	23.6
31	---	---	---	31.1	30.0	30.6	29.5	28.5	28.9	---	---	---
MONTH	31.6	26.6	29.4	31.9	26.3	29.3	32.5	27.5	30.4	32.7	22.7	28.9

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 group of piles, 2 mi west of Dulac.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1992 to September 2002 (elevation only). July 2002 to September 2003.

GAGE.--Water-stage recorder and acoustic doppler flowmeter. Prior to July 2002, site was located on pontoon bridge 200 ft upstream of present site. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1995, datum of gage was 10.00 ft below NGVD of 1929.

REMARKS.--Stage affected by wind, tide, and heavy boat traffic. Satellite telemetry with wind speed and direction at station. Discharge data prior to Oct. 1, 2002, located at Louisiana District, Baton Rouge Field Office.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 16,100 ft³/s, Oct. 4, 5, 2002; maximum negative discharge, -29,300 ft³/s, June 30, 2003; maximum gage height, 5.51 ft, Sept. 12, 1998; minimum gage height, -1.42 ft, Jan. 8, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 16,100 ft³/s, Oct. 4, 5; maximum gage height, 5.07 ft, Oct. 3; maximum negative discharge, -29,300 ft³/s, June 30; minimum gage height, -0.88 ft, Jan. 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3,980	3,010	6,920	3,020	5,020	5,300	2,440	6,600	7,290	5,370	1,220
2	223	1,900	1,220	7,170	1,940	5,420	4,860	3,870	3,060	8,610	5,130	2,610
3	---	-2,870	997	7,140	616	5,030	1,340	3,670	4,630	8,390	4,830	4,120
4	9,000	2,080	741	4,550	4,100	6,090	2,580	-286	5,590	8,110	4,960	3,660
5	12,400	437	5,800	4,590	1,120	4,800	2,700	-5,540	4,290	7,350	3,920	3,230
6	12,200	8,450	3,060	5,170	-1,800	7,930	-367	-4,390	5,480	7,320	4,160	2,060
7	9,420	5,360	1,880	5,870	6,450	5,780	2,160	-1,850	8,540	6,150	5,490	1,260
8	7,060	4,120	2,680	5,390	-867	4,490	5,910	999	8,990	6,100	4,010	846
9	---	2,300	1,690	3,280	-4,130	7,080	11,600	2,000	7,650	6,280	1,670	-18
10	---	1,370	1,750	6,000	2,670	5,470	9,430	-818	6,480	6,040	1,890	3,370
11	7,000	3,200	279	4,200	531	5,070	5,630	5,700	5,380	5,140	2,030	2,870
12	6,580	7,760	746	3,860	1,780	4,610	5,950	9,520	4,470	4,410	1,630	-1,190
13	7,720	5,080	5,800	2,970	583	6,750	5,370	5,860	5,990	1,900	2,420	3,220
14	5,910	1,940	4,540	4,110	-504	5,790	6,140	3,450	5,540	-1,610	3,500	5,810
15	---	3,840	2,070	3,260	-1,570	5,070	4,190	3,400	5,670	-199	777	4,380
16	---	6,670	2,620	4,540	5,320	3,200	180	2,040	6,390	5,110	1,950	2,610
17	---	3,190	524	6,640	5,010	5,970	5,100	2,340	5,650	6,130	4,100	2,280
18	---	2,580	-732	2,850	2,720	3,500	4,130	5,940	5,250	6,070	4,910	2,720
19	---	4,000	627	4,450	3,070	5,080	-69	5,420	5,860	6,440	2,750	2,310
20	---	2,180	6,220	3,190	2,420	7,400	2,350	5,400	6,900	6,160	3,770	4,270
21	---	3,780	2,160	2,880	-5,240	9,910	5,270	6,450	7,130	5,760	3,330	779
22	---	4,670	3,600	3,800	7,690	7,180	3,430	6,840	7,650	5,120	1,840	4,250
23	---	3,150	69	7,160	3,940	8,500	2,370	5,660	7,480	5,090	332	4,050
24	---	2,030	2,000	1,580	4,980	6,510	-1,390	4,260	5,770	5,280	252	270
25	1,310	1,770	7,870	2,490	6,360	4,570	4,770	5,140	5,040	4,580	-1,110	1,940
26	3,690	2,420	4,580	1,220	2,840	5,760	6,460	5,700	5,050	3,340	609	-2,910
27	1,280	5,180	4,590	1,220	6,040	3,820	4,220	5,210	4,960	3,300	926	951
28	1,560	3,190	3,450	217	6,400	4,830	4,530	4,640	5,170	2,950	1,810	6,220
29	3,580	1,330	2,460	736	---	10,300	1,970	5,490	993	2,890	797	3,870
30	5,880	2,770	1,300	2,490	---	---	2,180	4,940	-11,200	3,740	-6,610	2,680
31	6,110	---	4,780	2,630	---	5,890	---	5,370	---	4,310	-2,910	---
TOTAL	---	97,857	82,381	122,573	65,489	---	118,294	108,865	156,453	157,551	68,533	73,738
MIN	---	-2,870	-732	217	-5,240	---	-1,390	-5,540	-11,200	-1,610	-6,610	-2,910

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.03	0.23	0.45	0.17	0.66	0.33	1.15	0.52	2.01	0.65	1.79
2	1.67	1.00	0.39	0.39	0.28	0.65	0.39	1.02	0.76	1.58	0.63	1.68
3	3.87	1.32	0.47	-0.06	0.51	0.76	0.79	0.96	0.92	1.42	0.65	1.54
4	2.82	1.23	0.67	0.15	0.31	0.96	0.92	1.05	0.87	1.25	0.67	1.45
5	2.06	1.57	0.28	0.27	0.26	1.11	0.98	1.60	1.02	1.19	0.73	1.37
6	1.60	0.99	0.12	0.20	0.55	0.96	1.15	1.68	1.32	1.11	0.70	1.32
7	1.47	0.71	0.21	0.02	-0.01	0.80	1.24	1.70	1.05	1.13	0.62	1.35
8	1.46	0.73	0.13	-0.08	0.05	1.01	1.21	1.56	0.75	1.16	0.58	1.40
9	---	0.94	0.27	0.28	0.49	0.82	0.48	1.58	0.68	1.14	0.72	1.49
10	---	1.17	0.42	0.34	0.41	0.78	0.11	1.67	0.85	1.11	0.76	1.36
11	1.68	1.32	0.57	0.09	0.26	0.82	0.32	1.50	1.00	1.08	0.79	1.41
12	1.58	0.70	0.55	0.17	0.34	0.93	0.36	0.79	1.12	1.08	0.89	1.66
13	1.26	0.32	0.50	0.32	0.27	0.80	0.44	0.76	1.09	1.26	0.88	1.62
14	1.09	0.73	0.05	0.23	0.45	0.87	0.37	1.06	1.09	1.51	0.81	1.28
15	1.22	0.87	0.20	0.28	0.77	0.94	0.35	1.08	1.04	1.62	0.84	1.26
16	1.12	0.27	0.20	0.32	0.60	1.25	0.89	1.06	0.98	1.36	1.04	1.32
17	1.24	0.14	0.40	-0.29	0.11	1.27	0.85	1.23	0.96	1.18	1.06	1.36
18	1.10	0.33	0.71	0.07	0.24	1.43	0.75	1.01	0.99	1.02	0.84	1.34
19	1.36	0.22	0.90	0.00	0.43	1.50	0.93	0.87	1.01	0.85	0.96	1.36
20	1.13	0.37	0.46	0.18	0.45	1.33	1.00	0.85	0.98	0.68	0.86	1.22
21	1.11	0.46	0.48	0.32	1.03	0.94	0.79	0.77	1.03	0.61	0.80	1.41
22	1.13	0.35	0.49	0.30	0.93	0.82	0.77	0.57	0.94	0.65	0.91	1.42
23	1.23	0.23	0.63	-0.57	0.72	0.66	0.81	0.52	0.88	0.67	1.11	1.26
24	1.23	0.39	1.01	-0.25	0.67	0.66	1.21	0.66	1.01	0.60	1.20	1.44
25	1.38	0.54	0.05	-0.12	0.46	0.80	1.18	0.73	1.09	0.57	1.34	1.44
26	1.31	0.62	0.05	0.01	0.72	0.82	0.81	0.81	1.16	0.64	1.32	1.69
27	1.37	0.25	0.03	0.10	0.78	0.99	0.78	0.66	1.26	0.65	1.32	1.66
28	1.46	0.11	0.11	0.27	0.56	1.16	0.88	0.64	1.27	0.75	1.30	1.29
29	1.57	0.30	0.30	0.35	---	0.57	1.03	0.62	1.56	0.80	1.34	1.05
30	1.42	0.46	0.53	0.36	---	---	1.13	0.64	2.49	0.81	1.80	1.07
31	1.10	---	0.88	0.34	---	0.11	---	0.66	---	0.74	1.87	---
MAX	---	1.57	1.01	0.45	1.03	---	1.24	1.70	2.49	2.01	1.87	1.79
MIN	---	0.11	0.03	-0.57	-0.01	---	0.11	0.52	0.52	0.57	0.58	1.05

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1992 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: June 1992 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 1-12, 15-29, Nov. 13-14, 22-23, 16-20, 27-28, Dec. 2-Jan. 8, 11-12, 18-19, 21-22, Jan. 30-Feb. 18, Mar. 3, Apr. 2-19, May 6-June 29, July 2-29 when records good; Oct. 13-15, Oct. 29-Nov. 12, Feb. 18-Mar. 27, and Apr. 19-May 6 when records fair.

SALINITY: Records excellent except for Oct. 1-12, 15-29, Nov. 13-14, 22-23, 16-20, 27-28, Dec. 2-Jan. 8, 11-12, 18-19, 21-22, Jan. 30-Feb. 18, Mar. 3, Apr. 2-19, May 6-June 29, July 2-29 when records good; Oct. 13-15, Oct. 29-Nov. 12, Feb. 18-Mar. 27, and Apr. 19-May 6 when records fair.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 45,700 microsiemens/cm, May 18, 2000; minimum, 122 microsiemens/cm, Feb. 18, 1996.

SALINITY: Maximum, 20.7 ppt, Feb. 9, 10; minimum, 0.1 ppt, many times.

WATER TEMPERATURE: Maximum, 34.2°C, Aug. 6, 1999; minimum, 4.7°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 33,200 microsiemens/cm, Feb. 9, 10; minimum, 240 microsiemens/cm, Apr. 3.

SALINITY: Maximum, 20.7 ppt, Feb. 9, 10; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 32.4°C, Aug. 10; minimum, 7.9°C, Jan. 26.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,910	790	---	811	607	647	9,460	1,250	2,730	1,700	486	1,090
2	18,300	806	7,150	10,300	706	3,040	15,100	811	4,940	1,220	405	812
3	31,500	6,360	22,800	22,000	9,860	16,400	17,900	1,700	6,860	1,030	349	753
4	21,200	14,800	16,100	22,600	8,820	15,200	20,200	5,680	11,000	680	342	474
5	16,600	12,600	14,600	22,300	11,000	17,300	16,600	486	4,340	721	348	565
6	12,600	10,700	11,800	11,000	852	4,380	735	352	568	840	330	483
7	10,700	6,740	8,700	1,610	558	971	9,120	492	2,350	793	326	506
8	6,740	4,540	5,600	1,900	617	923	5,250	543	1,280	689	323	498
9	4,690	---	---	2,220	614	1,070	10,500	659	2,750	570	296	344
10	---	---	---	7,990	743	3,220	18,000	1,520	7,880	8,350	344	2,130
11	2,650	1,570	2,220	9,600	744	3,020	18,900	2,770	10,300	593	281	355
12	2,360	1,660	1,950	1,100	414	767	15,600	3,620	8,640	1,520	269	378
13	2,680	1,820	2,220	1,010	353	581	25,700	2,450	10,100	17,500	296	4,050
14	2,510	1,500	1,800	804	364	389	2,450	552	1,040	19,800	1,490	4,750
15	2,830	1,530	1,870	6,890	804	2,310	2,340	413	824	6,890	375	1,510
16	1,940	1,440	1,650	1,080	404	791	4,070	656	1,150	3,330	280	783
17	15,300	1,530	6,160	940	393	628	10,300	585	1,700	763	280	553
18	8,140	1,710	3,020	814	419	646	21,700	4,380	11,800	482	282	390
19	18,400	7,780	12,400	951	345	623	22,800	12,100	17,000	1,640	370	553
20	8,540	1,760	4,350	1,070	335	594	15,700	601	4,920	2,390	375	712
21	1,910	1,330	1,600	10,300	449	1,880	1,620	502	780	670	353	451
22	3,140	1,260	1,690	804	339	519	12,500	565	3,370	551	350	426
23	17,900	1,900	7,310	552	275	394	10,500	434	991	963	294	703
24	---	2,070	---	4,520	367	1,000	28,200	5,180	18,300	13,800	292	2,690
25	19,900	2,550	8,980	9,580	344	2,010	5,180	457	1,520	17,100	1,510	5,540
26	15,400	2,310	6,150	11,900	400	3,590	614	345	413	25,600	1,470	6,860
27	15,200	1,990	5,930	546	296	420	616	360	482	26,800	4,230	11,300
28	18,000	2,100	8,830	525	282	341	2,010	345	518	24,500	8,120	14,000
29	10,900	998	3,150	8,060	335	2,940	2,190	465	771	22,900	6,570	13,300
30	1,080	774	947	18,600	3,280	7,550	12,200	424	1,620	25,300	3,740	11,300
31	1,060	633	746	---	---	---	26,500	1,670	10,300	25,900	3,810	10,800
MONTH	---	---	---	22,600	275	3,140	28,200	345	4,880	26,800	269	3,200

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	7,710	964	2,510	782	358	540	---	---	---	15,900	3,290	7,320
2	10,000	797	3,390	684	319	480	---	---	---	5,520	743	2,940
3	16,300	1,400	6,730	386	300	318	259	240	248	1,360	486	835
4	15,600	1,060	5,080	9,770	304	2,550	448	241	271	13,800	539	4,300
5	11,400	411	1,890	---	1,260	---	282	248	264	29,900	10,300	19,100
6	31,300	11,400	24,700	---	---	---	12,000	257	3,570	29,200	17,200	22,900
7	19,000	3,510	9,480	---	---	---	11,600	702	3,700	27,300	23,400	25,000
8	27,200	1,360	7,880	---	---	---	2,810	281	575	24,100	21,500	22,700
9	33,200	23,600	28,900	---	---	---	577	323	503	22,700	20,600	22,300
10	33,200	22,000	26,300	---	---	---	572	323	473	23,700	12,900	17,700
11	26,200	11,400	17,400	---	---	---	572	289	416	24,600	6,860	16,800
12	27,100	12,500	18,100	---	---	---	589	282	415	6,860	1,330	2,730
13	24,700	6,300	11,300	---	---	---	653	266	373	1,340	912	1,050
14	28,000	10,700	18,100	---	---	---	700	256	401	3,530	897	1,460
15	32,600	21,500	26,900	---	---	---	1,220	249	458	2,050	713	1,310
16	28,900	6,400	19,700	---	---	---	13,000	252	5,200	5,340	668	2,220
17	6,400	784	3,230	---	---	---	1,850	271	531	12,600	731	4,020
18	7,930	556	2,330	---	---	---	384	270	340	1,620	543	847
19	9,360	537	2,240	---	---	---	17,700	270	4,280	1,100	530	851
20	2,860	467	938	---	---	---	16,100	818	5,240	888	469	696
21	31,600	2,320	17,400	---	---	---	3,820	275	1,190	797	413	575
22	31,600	7,980	16,400	---	---	---	2,840	309	679	1,050	428	676
23	10,800	4,570	6,410	---	---	---	11,800	256	1,250	914	399	551
24	6,690	651	1,920	---	---	---	17,900	3,820	11,500	597	372	440
25	1,320	443	772	---	---	---	18,400	2,920	9,480	397	339	364
26	11,700	406	1,110	---	---	---	2,920	274	1,110	1,490	346	611
27	13,300	509	2,990	---	---	---	486	300	398	1,350	348	565
28	765	377	544	---	---	---	2,720	310	1,060	783	352	401
29	---	---	---	---	---	---	10,900	833	5,120	658	338	415
30	---	---	---	---	---	---	15,900	3,460	9,030	1,020	341	501
31	---	---	---	---	---	---	---	---	---	1,060	333	593
MONTH	33,200	377	10,200	---	---	---	---	---	---	29,900	333	5,900
JUNE				JULY			AUGUST			SEPTEMBER		
1	1,000	331	528	20,400	7,000	14,500	466	293	334	24,600	22,700	23,700
2	1,220	486	776	7,000	597	2,330	401	301	344	24,100	17,000	21,800
3	623	326	444	1,290	423	806	631	328	425	18,700	10,600	15,300
4	792	325	439	1,130	370	716	584	327	438	13,100	7,430	10,100
5	434	316	347	812	320	516	515	321	401	10,800	5,140	6,910
6	334	315	323	719	277	434	491	309	378	17,900	3,000	7,190
7	473	330	409	528	268	343	540	314	430	16,700	3,410	8,240
8	636	404	528	677	263	357	491	317	391	17,500	4,230	9,420
9	1,090	359	625	1,350	254	433	9,640	365	2,070	21,000	5,230	11,600
10	1,090	359	540	1,350	260	509	6,040	380	1,750	14,700	5,760	9,610
11	629	345	417	927	256	419	7,310	402	1,820	8,280	2,920	4,700
12	595	340	436	974	246	445	10,400	362	2,450	22,400	3,050	12,000
13	549	319	396	7,120	278	1,490	7,480	424	1,580	22,500	5,490	15,900
14	610	345	444	15,300	283	5,970	1,000	308	388	5,490	633	2,580
15	608	331	434	14,400	4,180	9,670	17,800	318	3,500	1,010	472	702
16	515	324	392	12,400	1,140	4,170	19,000	6,600	10,800	2,930	521	917
17	545	325	390	1,640	280	975	15,700	2,880	9,070	17,200	640	6,620
18	495	332	389	1,120	330	680	2,880	529	1,780	13,400	2,010	5,240
19	473	317	367	866	529	635	2,330	478	908	15,600	1,570	5,600
20	474	312	350	821	354	540	1,060	417	692	2,110	614	1,140
21	501	307	421	859	399	581	885	381	597	18,000	574	6,670
22	1,250	436	594	713	266	471	6,760	475	1,740	9,060	1,400	3,070
23	1,300	365	634	713	265	404	18,000	438	6,440	1,680	483	782
24	1,120	344	449	499	242	334	18,700	2,090	8,500	17,800	665	5,110
25	811	340	427	620	246	350	21,400	4,040	12,100	14,600	2,130	5,420
26	488	308	350	769	272	408	18,200	9,700	13,900	24,100	14,200	18,800
27	379	301	333	636	274	395	16,600	7,570	11,300	24,100	18,800	21,700
28	437	302	343	349	288	320	14,000	5,440	8,650	20,200	5,280	11,400
29	7,250	290	1,620	558	316	369	14,300	3,180	6,570	5,280	689	2,220
30	22,200	889	11,800	514	294	364	25,600	14,300	23,400	17,600	1,320	6,910
31	---	---	---	539	285	364	25,600	23,100	24,600	---	---	---
MONTH	22,200	290	865	20,400	242	1,620	25,600	293	5,090	24,600	472	8,710

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1.0	0.4	---	0.4	0.3	0.3	5.3	0.6	1.4	0.9	0.2	0.5
2	10.8	0.4	4.1	5.8	0.3	1.6	8.8	0.4	2.7	0.6	0.2	0.4
3	19.6	3.5	13.9	13.2	5.5	9.6	10.5	0.9	3.9	0.5	0.2	0.4
4	12.7	8.6	9.4	13.6	4.9	8.9	12.0	3.1	6.3	0.3	0.2	0.2
5	9.7	7.2	8.5	13.4	6.2	10.2	9.7	0.2	2.4	0.4	0.2	0.3
6	7.2	6.1	6.7	6.2	0.4	2.4	0.4	0.2	0.3	0.4	0.2	0.2
7	6.1	3.7	4.8	0.8	0.3	0.5	5.1	0.2	1.2	0.4	0.2	0.3
8	3.7	2.4	3.0	1.0	0.3	0.5	2.8	0.3	0.7	0.3	0.2	0.2
9	2.5	---	---	1.1	0.3	0.5	6.0	0.3	1.5	0.3	0.1	0.2
10	---	---	---	4.4	0.4	1.7	10.6	0.8	4.4	4.6	0.2	1.1
11	1.4	0.8	1.1	5.4	0.4	1.6	11.2	1.4	5.9	0.3	0.1	0.2
12	1.2	0.8	1.0	0.5	0.2	0.4	9.1	1.9	4.8	0.8	0.1	0.2
13	1.4	0.9	1.1	0.5	0.2	0.3	15.7	1.3	5.8	10.3	0.1	2.3
14	1.3	0.8	0.9	0.4	0.2	0.2	1.3	0.3	0.5	11.8	0.7	2.6
15	1.5	0.8	0.9	3.8	0.4	1.2	1.2	0.2	0.4	3.8	0.2	0.8
16	1.0	0.7	0.8	0.5	0.2	0.4	2.2	0.3	0.6	1.7	0.1	0.4
17	8.9	0.8	3.4	0.5	0.2	0.3	5.8	0.3	0.9	0.4	0.1	0.3
18	4.5	0.9	1.6	0.4	0.2	0.3	13.0	2.3	6.8	0.2	0.1	0.2
19	10.9	4.3	7.1	0.5	0.2	0.3	13.7	6.9	10	0.8	0.2	0.3
20	4.7	0.9	2.3	0.5	0.2	0.3	9.1	0.3	2.7	1.2	0.2	0.4
21	1.0	0.7	0.8	5.8	0.2	1.0	0.8	0.2	0.4	0.3	0.2	0.2
22	1.6	0.6	0.9	0.4	0.2	0.3	7.2	0.3	1.8	0.3	0.2	0.2
23	10.5	1.0	4.1	0.3	0.1	0.2	6.0	0.2	0.5	0.5	0.1	0.3
24	---	1.1	---	2.4	0.2	0.5	17.4	2.8	10.9	7.9	0.1	1.5
25	11.8	1.3	5.1	5.4	0.2	1.1	2.8	0.2	0.8	10.1	0.8	3.1
26	9.0	1.2	3.4	6.8	0.2	2.0	0.3	0.2	0.2	15.6	0.7	3.9
27	8.9	1.0	3.3	0.3	0.1	0.2	0.3	0.2	0.2	16.4	2.2	6.5
28	10.6	1.1	5.0	0.3	0.1	0.2	1.0	0.2	0.3	14.8	4.5	8.1
29	6.2	0.5	1.7	4.5	0.2	1.6	1.1	0.2	0.4	13.8	3.6	7.7
30	0.5	0.4	0.5	11.0	1.7	4.2	7.0	0.2	0.9	15.4	2.0	6.6
31	0.5	0.3	0.4	---	---	---	16.2	0.8	6.0	15.8	2.0	6.2
MONTH	---	---	---	13.6	0.1	1.8	17.4	0.2	2.8	16.4	0.1	1.8
FEBRUARY			MARCH			APRIL			MAY			
1	4.3	0.5	1.3	0.4	0.2	0.3	---	---	---	9.3	1.7	4.1
2	5.6	0.4	1.8	0.3	0.2	0.2	---	---	---	3.0	0.4	1.5
3	9.5	0.7	3.8	0.2	0.2	0.2	0.1	0.1	0.1	0.7	0.2	0.4
4	9.1	0.5	2.8	5.5	0.2	1.4	0.2	0.1	0.1	7.9	0.3	2.4
5	6.5	0.2	1.0	---	0.6	---	0.1	0.1	0.1	18.5	5.8	11.5
6	19.4	6.5	15.0	---	---	---	6.8	0.1	2.0	18.0	10.1	13.8
7	11.3	1.8	5.4	---	---	---	6.6	0.3	2.0	16.7	14.2	15.2
8	16.6	0.7	4.6	---	---	---	1.5	0.1	0.3	14.6	12.9	13.7
9	20.7	14.3	17.9	---	---	---	0.3	0.2	0.2	13.7	12.3	13.4
10	20.7	13.2	16.1	---	---	---	0.3	0.2	0.2	14.4	7.4	10.5
11	16.0	6.5	10.3	---	---	---	0.3	0.1	0.2	14.9	3.8	10
12	16.6	7.2	10.7	---	---	---	0.3	0.1	0.2	3.8	0.7	1.4
13	15.0	3.4	6.5	---	---	---	0.3	0.1	0.2	0.7	0.4	0.5
14	17.2	6.1	10.8	---	---	---	0.3	0.1	0.2	1.8	0.4	0.7
15	20.4	12.9	16.5	---	---	---	0.6	0.1	0.2	1.0	0.4	0.7
16	17.8	3.5	11.8	---	---	---	7.5	0.1	2.9	2.9	0.3	1.2
17	3.5	0.4	1.7	---	---	---	0.9	0.1	0.3	7.2	0.4	2.2
18	4.4	0.3	1.2	---	---	---	0.2	0.1	0.2	0.8	0.3	0.4
19	5.2	0.3	1.2	---	---	---	10.4	0.1	2.4	0.5	0.3	0.4
20	1.5	0.2	0.5	---	---	---	9.4	0.4	2.9	0.4	0.2	0.3
21	19.6	1.2	10.5	---	---	---	2.0	0.1	0.6	0.4	0.2	0.3
22	19.6	4.4	9.8	---	---	---	1.5	0.2	0.3	0.5	0.2	0.3
23	6.1	2.4	3.5	---	---	---	6.7	0.1	0.7	0.4	0.2	0.3
24	3.7	0.3	1.0	---	---	---	10.5	2.0	6.6	0.3	0.2	0.2
25	0.7	0.2	0.4	---	---	---	10.9	1.5	5.4	0.2	0.2	0.2
26	6.6	0.2	0.6	---	---	---	1.5	0.1	0.6	0.7	0.2	0.3
27	7.6	0.3	1.6	---	---	---	0.2	0.2	0.2	0.7	0.2	0.3
28	0.4	0.2	0.3	---	---	---	1.4	0.2	0.5	0.4	0.2	0.2
29	---	---	---	---	---	---	6.2	0.4	2.8	0.3	0.2	0.2
30	---	---	---	---	---	---	9.3	1.8	5.1	0.5	0.2	0.2
31	---	---	---	---	---	---	---	---	---	0.5	0.2	0.3
MONTH	20.7	0.2	6.0	---	---	---	---	---	---	18.5	0.2	3.5

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.5	0.2	0.3	12.1	3.8	8.4	0.2	0.1	0.2	14.9	13.7	14.3
2	0.6	0.2	0.4	3.8	0.3	1.2	0.2	0.2	0.2	14.6	10.0	13.1
3	0.3	0.2	0.2	0.6	0.2	0.4	0.3	0.2	0.2	11.1	6.0	8.9
4	0.4	0.2	0.2	0.6	0.2	0.4	0.3	0.2	0.2	7.5	4.1	5.7
5	0.2	0.2	0.2	0.4	0.2	0.3	0.3	0.2	0.2	6.1	2.8	3.8
6	0.2	0.2	0.2	0.4	0.1	0.2	0.2	0.2	0.2	10.5	1.6	4.0
7	0.2	0.2	0.2	0.3	0.1	0.2	0.3	0.2	0.2	9.8	1.8	4.6
8	0.3	0.2	0.3	0.3	0.1	0.2	0.2	0.2	0.2	10.3	2.2	5.3
9	0.5	0.2	0.3	0.7	0.1	0.2	5.4	0.2	1.1	12.6	2.8	6.7
10	0.5	0.2	0.3	0.7	0.1	0.3	3.3	0.2	0.9	8.6	3.1	5.4
11	0.3	0.2	0.2	0.5	0.1	0.2	4.0	0.2	1.0	4.6	1.5	2.5
12	0.3	0.2	0.2	0.5	0.1	0.2	5.9	0.2	1.3	13.5	1.6	7.0
13	0.3	0.2	0.2	3.9	0.1	0.8	4.1	0.2	0.8	13.5	3.0	9.3
14	0.3	0.2	0.2	8.9	0.1	3.4	0.5	0.2	0.2	3.0	0.3	1.3
15	0.3	0.2	0.2	8.3	2.2	5.5	10.5	0.2	2.0	0.5	0.2	0.3
16	0.3	0.2	0.2	7.1	0.6	2.2	11.3	3.6	6.1	1.5	0.3	0.5
17	0.3	0.2	0.2	0.8	0.1	0.5	9.1	1.5	5.1	10.1	0.3	3.7
18	0.2	0.2	0.2	0.6	0.2	0.3	1.5	0.3	0.9	7.7	1.0	2.9
19	0.2	0.2	0.2	0.4	0.3	0.3	1.2	0.2	0.5	9.1	0.8	3.1
20	0.2	0.2	0.2	0.4	0.2	0.3	0.5	0.2	0.3	1.1	0.3	0.6
21	0.2	0.2	0.2	0.4	0.2	0.3	0.4	0.2	0.3	10.6	0.3	3.8
22	0.6	0.2	0.3	0.4	0.1	0.2	3.7	0.2	0.9	5.1	0.7	1.6
23	0.6	0.2	0.3	0.4	0.1	0.2	10.6	0.2	3.7	0.8	0.2	0.4
24	0.6	0.2	0.2	0.2	0.1	0.2	11.1	1.1	4.8	10.5	0.3	2.9
25	0.4	0.2	0.2	0.3	0.1	0.2	12.9	2.1	7.0	8.5	1.1	3.0
26	0.2	0.2	0.2	0.4	0.1	0.2	10.7	5.4	8.0	14.6	8.2	11.1
27	0.2	0.2	0.2	0.3	0.1	0.2	9.7	4.2	6.5	14.6	11.1	13.0
28	0.2	0.2	0.2	0.2	0.1	0.2	8.1	2.9	4.8	12.0	2.8	6.5
29	4.0	0.1	0.9	0.3	0.2	0.2	8.3	1.7	3.6	2.8	0.3	1.1
30	13.3	0.4	6.9	0.3	0.1	0.2	15.6	8.3	14.1	10.4	0.7	3.9
31	---	---	---	0.3	0.1	0.2	15.6	13.9	14.9	---	---	---
MONTH	13.3	0.1	0.5	12.1	0.1	0.9	15.6	0.1	2.9	14.9	0.2	5.0

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.4	---	---	23.1	22.1	22.7	14.8	14.1	14.6	14.9	13.6	14.0
2	28.4	26.8	27.6	22.1	20.8	21.6	15.3	13.6	14.3	13.9	12.4	13.4
3	27.6	26.0	26.5	20.8	19.0	19.6	15.5	13.7	14.8	12.5	11.8	12.2
4	28.0	25.6	26.6	21.3	19.0	20.3	17.0	15.0	16.0	12.5	11.9	12.1
5	28.2	27.3	27.7	21.3	20.5	21.0	16.9	14.1	15.3	13.0	11.7	12.3
6	28.5	27.2	27.8	20.8	20.1	20.5	14.1	13.3	13.9	13.7	12.5	13.0
7	28.3	27.6	27.9	20.1	19.5	19.8	13.7	12.2	13.2	12.8	12.0	12.4
8	28.0	27.3	27.6	20.1	19.1	19.6	13.4	12.7	13.2	12.5	11.8	12.1
9	---	---	---	20.3	19.5	20.0	13.1	11.9	12.8	13.3	12.1	12.7
10	---	---	---	22.2	20.2	21.2	12.8	11.8	12.3	15.0	13.0	13.9
11	27.0	26.0	26.5	22.9	21.2	21.9	12.9	11.8	12.2	13.0	12.0	12.5
12	26.5	26.2	26.4	21.4	20.4	20.9	12.4	12.0	12.3	12.0	10.8	11.3
13	26.3	25.4	26.0	20.4	19.4	19.9	13.1	12.0	12.5	11.4	10.3	10.8
14	25.4	24.4	24.9	20.1	19.1	19.6	12.6	12.0	12.3	11.5	10.0	10.9
15	24.7	23.9	24.3	19.9	18.9	19.5	12.7	11.8	12.2	11.4	10.4	10.9
16	24.1	23.2	23.5	19.6	17.7	18.5	13.4	12.0	12.5	11.5	10.2	11.0
17	23.5	22.8	23.0	17.7	17.0	17.3	14.2	12.7	13.3	10.3	9.3	9.7
18	24.4	22.6	23.2	17.7	16.6	17.1	16.8	14.0	15.4	9.7	8.9	9.4
19	23.8	22.8	23.2	17.3	16.9	17.1	17.3	16.7	17.0	9.6	8.9	9.3
20	24.1	23.0	23.6	17.3	16.8	17.1	17.2	15.1	15.8	11.2	9.2	10.0
21	24.4	23.2	23.7	17.7	16.9	17.3	15.6	14.8	15.3	12.6	10.6	11.5
22	24.0	23.3	23.8	17.2	16.5	16.8	16.6	15.3	15.9	13.2	12.1	12.4
23	24.7	23.6	24.2	16.6	15.7	16.2	17.4	15.8	16.3	13.1	9.7	11.3
24	---	24.0	---	17.0	15.6	16.3	18.3	16.3	17.6	9.8	9.1	9.5
25	24.7	24.1	24.4	17.8	16.2	17.0	16.3	14.5	15.1	9.5	7.9	8.9
26	24.6	23.8	24.2	18.0	17.1	17.4	14.5	12.8	13.6	9.1	7.9	8.8
27	24.9	23.8	24.3	17.4	15.8	16.4	12.8	12.2	12.4	9.8	8.0	8.9
28	25.8	24.5	25.2	16.0	15.1	15.6	13.4	12.2	12.7	10.7	8.8	9.5
29	25.7	24.2	24.8	15.4	14.8	15.2	13.8	12.4	13.1	12.4	10.1	11.2
30	24.8	24.0	24.3	15.4	13.9	14.9	14.9	13.2	13.7	12.8	11.8	12.2
31	24.0	23.0	23.5	---	---	---	15.7	14.8	15.2	13.7	12.2	12.8
MONTH	---	---	---	23.1	13.9	18.6	18.3	11.8	14.1	15.0	7.9	11.3
FEBRUARY			MARCH			APRIL			MAY			
1	13.0	11.6	12.4	15.5	14.8	15.2	---	---	---	26.9	24.9	25.7
2	13.7	12.3	13.1	15.6	14.5	15.0	---	---	---	26.9	25.3	26.1
3	14.8	13.3	14.3	14.8	13.9	14.5	19.8	18.3	18.9	27.5	26.0	26.7
4	15.7	13.9	14.8	14.7	13.7	14.1	20.7	18.9	19.8	28.5	26.5	27.4
5	14.1	12.8	13.4	---	---	---	21.7	19.9	20.9	28.3	27.2	27.6
6	14.3	13.8	14.1	---	---	---	24.4	21.1	22.4	28.0	27.2	27.5
7	14.2	12.4	13.2	---	---	---	24.7	22.6	23.4	28.0	26.8	27.5
8	12.4	10.6	12.0	---	---	---	23.1	20.7	21.7	28.6	27.2	27.7
9	11.0	10.4	10.7	---	---	---	20.7	17.5	19.0	28.8	27.4	28.0
10	12.4	11.0	11.8	---	---	---	18.0	16.3	17.2	28.7	27.5	28.0
11	13.3	11.8	12.5	---	---	---	17.8	16.6	17.3	28.9	27.4	28.1
12	14.3	12.3	13.4	---	---	---	19.0	17.2	18.0	28.4	27.5	27.9
13	15.2	13.1	13.8	---	---	---	20.1	18.2	19.1	28.3	27.2	27.7
14	16.7	14.4	15.5	---	---	---	21.3	19.0	20.2	28.4	27.3	27.7
15	18.6	16.7	17.7	---	---	---	22.6	20.1	21.3	28.5	27.4	27.9
16	18.6	15.2	17.4	---	---	---	23.2	21.0	21.9	29.3	27.6	28.3
17	15.2	14.3	14.7	---	---	---	23.9	22.0	22.7	28.7	27.8	28.2
18	14.8	13.6	14.3	---	---	---	24.6	22.9	23.7	28.6	27.8	28.2
19	15.1	14.2	14.6	---	---	---	25.9	23.6	24.6	28.7	27.9	28.2
20	15.5	14.2	14.7	---	---	---	25.8	23.9	24.9	28.1	27.5	27.8
21	19.0	14.9	17.0	---	---	---	24.9	24.4	24.6	28.1	27.3	27.6
22	19.0	16.0	17.7	---	---	---	25.7	24.3	24.8	27.7	27.0	27.2
23	16.5	15.2	15.8	---	---	---	25.0	24.2	24.5	27.7	26.5	27.0
24	17.3	15.3	15.9	---	---	---	25.1	23.8	24.3	27.9	26.4	27.0
25	15.3	14.1	14.5	---	---	---	25.5	23.8	24.6	28.0	26.9	27.4
26	16.1	14.0	14.6	---	---	---	25.5	24.4	24.9	29.0	27.1	27.7
27	16.2	15.0	15.4	---	---	---	25.0	24.0	24.5	28.6	26.8	27.3
28	15.6	15.2	15.4	---	---	---	25.1	23.9	24.4	27.5	25.9	26.5
29	---	---	---	---	---	---	25.1	24.0	24.4	27.2	26.0	26.6
30	---	---	---	---	---	---	25.7	24.4	24.9	27.2	26.1	26.7
31	---	---	---	---	---	---	---	---	---	27.8	26.2	27.0
MONTH	19.0	10.4	14.5	---	---	---	---	---	---	29.3	24.9	27.4

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.1	26.5	27.1	28.0	25.8	26.9	30.7	29.8	30.2	30.2	28.4	29.1
2	28.3	26.9	27.6	28.0	27.5	27.8	30.8	29.8	30.2	31.1	29.3	30.1
3	27.9	26.9	27.3	28.3	27.8	28.0	31.2	29.6	30.2	31.4	30.1	30.7
4	27.6	26.7	27.2	28.4	28.0	28.2	31.6	30.0	30.7	32.1	30.7	31.2
5	28.2	26.4	26.9	28.7	27.9	28.3	32.2	30.7	31.3	31.1	30.3	30.8
6	26.4	26.0	26.2	28.4	28.0	28.2	32.1	31.3	31.6	31.0	29.2	29.9
7	27.4	26.2	26.7	28.8	27.7	28.2	31.7	31.0	31.3	30.6	29.3	29.9
8	28.6	27.3	27.9	28.7	28.0	28.3	32.1	30.9	31.4	30.8	29.8	30.2
9	29.8	28.0	28.7	30.2	28.2	29.0	32.0	31.1	31.4	30.4	29.3	29.8
10	30.3	28.4	29.2	30.6	28.9	29.6	32.4	31.1	31.5	30.1	28.9	29.5
11	30.0	28.6	29.3	30.7	29.4	30.0	31.7	31.0	31.3	29.8	29.2	29.6
12	29.9	28.7	29.2	31.1	29.4	30.1	31.0	30.0	30.4	29.4	27.8	28.7
13	29.5	28.1	28.8	30.6	29.4	29.9	30.3	29.4	30.0	29.3	27.4	28.2
14	30.1	28.9	29.5	29.8	27.7	28.8	30.9	29.7	30.3	29.8	28.5	29.0
15	30.4	29.2	29.7	29.2	27.7	28.4	30.6	28.9	29.9	29.6	28.4	28.9
16	30.3	29.1	29.5	30.6	28.4	29.6	29.9	28.9	29.4	29.5	28.4	28.9
17	29.5	28.8	29.1	30.5	29.0	29.8	30.3	29.6	29.8	29.9	27.8	28.8
18	29.7	28.5	29.1	30.2	28.8	29.4	30.8	29.5	29.9	30.0	28.2	29.0
19	29.8	29.1	29.4	30.5	29.1	29.7	31.2	29.8	30.4	30.0	28.6	29.2
20	29.6	29.0	29.3	30.5	29.5	29.8	30.9	30.0	30.4	29.3	28.7	29.0
21	29.2	28.3	28.8	30.6	29.3	29.9	30.9	29.7	30.2	28.7	27.4	28.1
22	30.0	28.4	29.1	31.0	29.7	30.3	30.7	29.7	30.2	28.4	27.7	28.0
23	31.0	29.0	29.8	30.5	29.4	29.9	30.6	29.8	30.1	28.4	27.5	27.8
24	30.7	29.7	30.2	30.1	29.3	29.6	31.4	29.6	30.3	28.0	27.4	27.7
25	30.6	29.6	30.2	30.4	29.4	29.8	30.5	29.9	30.3	28.0	27.2	27.7
26	30.9	30.2	30.4	30.4	29.4	29.9	30.7	29.6	30.1	28.2	27.4	27.8
27	30.5	29.9	30.2	30.5	29.5	29.9	31.4	30.3	30.8	29.4	27.9	28.4
28	31.0	29.6	30.0	30.7	29.8	30.0	32.2	30.4	31.0	28.6	27.1	27.8
29	30.0	29.0	29.6	30.6	29.6	30.0	31.1	30.2	30.8	27.1	25.5	26.3
30	29.0	26.1	27.6	30.8	29.5	30.1	30.3	28.5	29.2	25.5	23.2	24.7
31	---	---	---	30.4	29.9	30.1	29.2	27.9	28.6	---	---	---
MONTH	31.0	26.0	28.8	31.1	25.8	29.3	32.4	27.9	30.4	32.1	23.2	28.8

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA

LOCATION.--Lat 29°35'53", long 90°42'36", T. 17 S., R. 17 E., Sec. 39, Terrebonne Parish, Hydrologic Unit 08090302, on the right bank of stream, south of Main Street Bridge.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 25, 1997 to Sept. 30, 2001 (elevation only). Oct. 1, 2001 to current year. Unpublished data prior to Oct. 1, 1999 can be found in the Louisiana District, Baton Rouge Field Office.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--No estimated daily discharge. No gage height or velocity record for the period: Oct. 1-9, Dec. 3-12, Feb. 25, Feb. 27-Apr. 1, May 30, June 21-23, and Sept. 5-15. Stage and discharge affected by wind, tide, and boat traffic. Reverse flow at times. Satellite telemetry at site.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge recorded, 6,150 ft³/s, Apr. 27, 2002; maximum gage height recorded, 3.41 ft, Sept. 12, 1998; minimum negative discharge recorded, -4,200 ft³/s, Oct. 13, 2002; minimum gage height recorded, -0.34 ft, Dec. 15, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 5,460 ft³/s, June 2; maximum gage height, 3.07 ft, June 30; maximum negative discharge, -3,180 ft³/s, Sept. 2; minimum gage height, 0.05 ft, Jan. 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	-591	849	2,010	1,490	---	---	1,550	3,140	-1,430	1,060	-1,270
2	---	11	1,870	2,460	1,840	---	2,640	1,260	3,630	-1,360	884	-1,140
3	---	890	---	2,330	2,120	---	2,040	1,640	3,160	-9.8	883	-545
4	---	134	---	3,050	895	---	1,960	2,020	2,720	471	1,120	-125
5	---	1,650	---	3,130	625	---	2,030	2,500	2,110	509	1,450	---
6	---	-383	---	2,390	1,510	---	1,730	2,060	2,280	318	1,570	---
7	---	49	---	2,200	-537	---	1,260	846	1,850	734	1,730	---
8	---	1,200	---	2,750	911	---	-126	-72	2,160	1,060	955	---
9	---	1,600	---	3,230	2,240	---	-262	149	2,990	691	1,650	---
10	-2,310	2,370	---	2,200	1,720	---	1,170	390	3,280	1,190	1,410	---
11	-1,620	1,010	---	2,130	1,050	---	2,460	548	3,090	1,290	1,410	---
12	-2,120	-739	---	2,400	1,480	---	2,470	-718	3,200	1,180	945	---
13	-1,660	65	2,440	2,610	770	---	2,430	539	3,050	1,400	531	---
14	-1,150	1,930	1,220	2,540	1,140	---	2,070	1,930	2,980	1,140	-453	---
15	-1,560	1,810	1,860	2,430	1,730	---	2,080	1,880	2,630	1,480	-463	---
16	359	-132	1,650	2,810	690	---	2,910	1,940	2,760	925	445	150
17	293	1,470	1,680	2,090	896	---	2,420	2,410	2,610	1,080	804	708
18	724	2,000	1,850	3,280	1,550	---	2,000	1,530	2,830	1,340	472	658
19	377	1,490	1,700	2,680	1,880	---	1,670	1,180	2,560	1,450	358	1,010
20	24	1,420	415	2,950	1,170	---	1,120	1,520	1,770	1,250	66	282
21	239	1,310	928	2,950	1,720	---	922	1,040	---	1,730	65	1,240
22	42	1,200	1,220	2,190	2,830	---	1,470	1,150	---	2,160	362	569
23	528	1,260	877	445	2,170	---	1,480	2,160	---	2,140	1,070	-81
24	172	1,570	2,310	2,090	1,520	---	2,370	2,910	2,140	1,510	815	918
25	1,030	1,220	877	2,400	---	---	2,320	2,700	2,220	1,410	665	365
26	254	1,190	1,610	1,990	2,090	---	1,560	2,630	2,090	1,350	604	999
27	422	-158	2,230	1,750	---	---	1,860	2,160	1,880	1,090	611	208
28	1,190	432	2,410	2,080	---	---	1,710	2,800	1,210	1,250	163	-747
29	-248	2,000	2,750	2,140	---	---	1,280	3,150	1,850	1,220	-117	-908
30	-940	1,740	2,460	1,270	---	---	1,410	---	1,350	1,300	151	-298
31	-1,320	---	2,490	1,590	---	---	---	3,670	---	1,320	-491	---
TOTAL	---	29,018	---	72,565	---	---	---	---	---	31,188.2	20,725	---

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.56	0.77	1.31	0.69	---	---	1.58	1.24	2.78	1.29	2.33
2	---	1.42	0.84	1.27	0.76	---	0.88	1.51	1.36	2.58	1.26	2.24
3	---	1.65	---	0.93	0.93	---	1.15	1.47	1.58	2.39	1.26	2.11
4	---	1.73	---	0.87	0.88	---	1.31	1.51	1.61	2.23	1.27	2.00
5	---	1.98	---	0.97	0.68	---	1.36	1.84	1.71	2.13	1.31	---
6	---	1.76	---	0.95	0.93	---	1.50	2.05	2.00	2.05	1.30	---
7	---	1.41	---	0.86	0.60	---	1.64	2.14	1.96	1.97	1.27	---
8	---	1.39	---	0.70	0.38	---	1.79	2.12	1.78	1.96	1.20	---
9	---	1.50	---	0.81	0.76	---	1.55	2.11	1.60	1.95	1.23	---
10	2.56	1.69	---	0.98	0.89	---	1.10	2.12	1.60	1.86	1.27	---
11	2.44	1.87	---	0.74	0.69	---	0.93	2.15	1.72	1.79	1.32	---
12	2.29	1.58	---	0.74	0.81	---	0.92	1.82	1.82	1.76	1.42	---
13	2.08	1.06	1.18	0.80	0.73	---	0.94	1.50	1.85	1.83	1.45	---
14	1.82	1.14	0.75	0.81	0.90	---	0.92	1.58	1.86	1.98	1.42	---
15	1.79	1.32	0.73	0.86	1.19	---	0.84	1.62	1.83	2.11	1.36	---
16	1.60	1.02	0.79	0.89	1.22	---	1.19	1.62	1.78	2.00	1.52	1.83
17	1.66	0.66	0.90	0.57	0.79	---	1.27	1.74	1.74	1.88	1.64	1.87
18	1.59	0.79	1.18	0.57	0.75	---	1.23	1.67	1.72	1.76	1.51	1.86
19	1.82	0.85	1.42	0.63	0.84	---	1.32	1.58	1.75	1.57	1.54	1.89
20	1.71	0.91	1.25	0.74	0.86	---	1.46	1.54	1.80	1.41	1.50	1.80
21	1.64	1.05	1.08	0.82	1.31	---	1.35	1.51	---	1.29	1.41	1.88
22	1.61	0.94	1.17	0.88	1.49	---	1.26	1.38	---	1.27	1.43	1.99
23	1.73	0.77	1.20	0.42	1.29	---	1.27	1.23	---	1.30	1.56	1.86
24	1.71	0.90	1.58	0.19	1.27	---	1.54	1.22	1.76	1.29	1.66	1.89
25	1.79	1.01	1.08	0.31	---	---	1.64	1.30	1.78	1.25	1.77	1.90
26	1.82	1.12	0.79	0.42	1.24	---	1.40	1.41	1.84	1.26	1.81	2.08
27	1.85	0.88	0.70	0.56	---	---	1.26	1.33	1.94	1.31	1.79	2.17
28	1.97	0.62	0.71	0.70	---	---	1.31	1.25	1.98	1.35	1.80	1.97
29	2.08	0.66	0.89	0.81	---	---	1.42	1.24	2.10	1.38	1.81	1.67
30	2.05	0.90	1.11	0.85	---	---	1.54	---	2.64	1.39	2.12	1.62
31	1.78	---	1.52	0.84	---	---	---	1.29	---	1.34	2.28	---
MAX	---	1.98	---	1.31	---	---	---	---	---	2.78	2.28	---
MIN	---	0.62	---	0.19	---	---	---	---	---	1.25	1.20	---

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1997 to current year. Unpublished data prior to Oct. 1, 1999 can be found in the Louisiana District, Baton Rouge Field Office.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1997 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: July 1997 to current year.

INSTRUMENTATION.--Water-quality monitor collecting temperature and specific conductance.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent, except for Oct. 9-22, Nov. 21-24, and June 13-23 when records good.

SALINITY: Records excellent, except for Oct. 9-22, Nov. 21-24, and June 13-23 when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 27,500 microseimens/cm, Oct. 13, 1997; minimum, 146 microseimens/cm, June 27, 2001.

SALINITY: Maximum, 2.0 ppt, May 10, 2003; minimum, 0.1 ppt, many times.

WATER TEMPERATURE: Maximum, 33.5°C, Aug. 21, 2000; minimum 4.9°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 3,740 microsiemens/cm, May 10; minimum, 194 microsiemens/cm, July 13.

SALINITY: Maximum, 2.0 ppt, May 10; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 32.2°C, Aug. 10, 11; minimum, 8.5°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	815	599	731	283	261	272	279	267	274
2	---	---	---	854	706	767	263	261	262	277	271	275
3	---	---	---	741	483	602	---	---	---	274	270	272
4	---	---	---	570	502	544	---	---	---	273	270	271
5	---	---	---	556	529	545	---	---	---	279	271	274
6	---	---	---	529	441	472	---	---	---	277	272	274
7	---	---	---	454	437	446	---	---	---	274	267	271
8	---	---	---	438	370	385	---	---	---	268	262	265
9	---	---	---	371	346	355	---	---	---	263	256	258
10	465	361	413	369	332	350	---	---	---	260	256	258
11	425	352	395	342	291	310	---	---	---	257	251	255
12	362	312	339	310	299	304	---	---	---	251	247	248
13	373	316	349	315	301	311	318	292	301	248	245	247
14	365	278	315	317	296	308	293	285	288	250	246	249
15	697	276	404	296	288	293	306	286	296	253	249	252
16	818	497	657	297	284	291	310	305	306	251	247	249
17	992	770	877	295	254	273	317	310	314	252	247	248
18	1,120	961	1,060	279	258	269	332	302	318	255	252	254
19	1,120	904	1,010	259	237	254	339	302	321	256	251	254
20	997	929	967	---	---	---	317	304	308	260	251	255
21	951	830	898	239	228	234	314	302	307	265	260	263
22	882	799	835	244	238	242	329	305	320	267	263	265
23	844	739	782	244	240	242	344	320	327	270	265	266
24	760	701	734	251	240	246	345	327	336	285	269	276
25	743	674	720	250	245	248	335	299	320	286	272	281
26	734	708	722	250	247	248	309	300	305	274	269	272
27	720	661	687	250	246	249	310	298	306	272	269	271
28	685	609	662	256	248	250	300	277	292	282	271	275
29	669	454	596	283	255	271	278	269	273	286	282	284
30	547	389	467	302	280	290	271	268	270	291	286	288
31	646	425	512	---	---	---	280	267	275	293	290	292
MONTH	---	---	---	---	---	---	---	---	---	293	245	266

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	296	294	295	---	---	---	---	---	---	284	278	280
2	303	296	300	---	---	---	245	238	242	288	283	285
3	305	302	303	---	---	---	243	238	240	305	287	295
4	311	303	306	---	---	---	247	242	245	317	304	310
5	311	303	306	---	---	---	253	246	249	318	317	318
6	307	302	304	---	---	---	269	253	259	354	317	334
7	316	306	310	---	---	---	276	268	270	2,530	345	1,040
8	323	315	319	---	---	---	282	257	267	3,360	2,510	2,870
9	331	322	326	---	---	---	284	259	272	3,540	3,150	3,340
10	457	331	363	---	---	---	292	282	287	3,740	1,240	3,330
11	443	381	399	---	---	---	286	263	274	1,250	1,000	1,140
12	657	379	475	---	---	---	264	253	257	1,330	1,220	1,260
13	393	353	367	---	---	---	253	242	248	1,880	719	1,390
14	475	351	419	---	---	---	242	236	239	730	376	431
15	522	430	467	---	---	---	237	233	235	384	371	375
16	556	434	498	---	---	---	236	233	235	376	361	370
17	552	352	409	---	---	---	235	232	234	405	349	366
18	354	351	353	---	---	---	236	232	234	404	356	374
19	358	353	355	---	---	---	244	236	239	360	353	357
20	358	339	348	---	---	---	253	244	246	356	350	352
21	339	331	335	---	---	---	266	251	257	352	346	349
22	369	335	349	---	---	---	254	233	244	354	344	348
23	346	337	342	---	---	---	248	239	242	345	329	340
24	355	345	350	---	---	---	250	247	249	331	318	324
25	---	---	---	---	---	---	251	248	250	320	316	318
26	359	337	348	---	---	---	277	248	255	322	318	319
27	---	---	---	---	---	---	309	274	290	323	321	322
28	---	---	---	---	---	---	311	309	310	321	312	317
29	---	---	---	---	---	---	310	294	302	314	312	312
30	---	---	---	---	---	---	294	279	286	312	310	311
31	---	---	---	---	---	---	---	---	---	313	309	310
MONTH	---	---	---	---	---	---	---	---	---	3,740	278	722
JUNE			JULY			AUGUST			SEPTEMBER			
1	313	310	311	263	244	253	269	263	266	1,080	312	620
2	317	299	313	253	242	249	271	262	267	1,030	807	859
3	308	297	303	253	248	250	265	259	262	1,160	933	966
4	314	299	306	258	250	253	263	257	260	1,160	781	998
5	317	309	314	258	245	254	257	254	256	1,020	755	936
6	314	305	309	246	230	239	277	256	266	---	---	---
7	313	305	309	231	217	221	290	277	282	---	---	---
8	315	308	312	219	215	217	312	289	299	---	---	---
9	315	313	314	215	209	212	317	312	315	---	---	---
10	315	312	313	210	205	208	319	304	314	---	---	---
11	314	308	311	207	197	203	320	310	316	---	---	---
12	310	307	309	200	197	198	311	289	299	---	---	---
13	307	295	301	200	194	197	297	290	293	---	---	---
14	298	294	296	199	196	197	312	296	305	---	---	---
15	297	295	296	202	197	200	312	308	310	---	---	---
16	297	295	296	206	198	202	322	309	315	379	337	355
17	301	297	299	208	199	201	324	278	311	363	341	352
18	302	298	300	234	205	218	307	262	287	385	360	368
19	299	290	295	244	231	237	296	257	282	376	366	371
20	290	280	285	242	230	237	296	284	291	368	352	360
21	---	---	---	230	218	224	313	287	300	368	348	356
22	---	---	---	218	215	217	325	310	317	372	365	368
23	---	---	---	216	205	210	325	320	323	370	365	367
24	282	238	266	213	206	209	323	315	320	368	359	364
25	257	246	251	224	213	217	318	315	316	375	352	364
26	265	255	260	235	223	228	322	309	315	380	356	364
27	268	262	265	241	234	237	316	311	313	405	376	391
28	272	261	265	241	236	239	316	312	314	414	377	398
29	275	271	273	237	230	235	314	305	310	493	410	451
30	275	243	267	253	235	243	306	302	304	509	419	457
31	---	---	---	265	253	257	314	305	310	---	---	---
MONTH	---	---	---	265	194	225	325	254	298	---	---	---

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	0.4	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1
2	---	---	---	0.4	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1
3	---	---	---	0.4	0.2	0.3	---	---	---	0.1	0.1	0.1
4	---	---	---	0.3	0.2	0.3	---	---	---	0.1	0.1	0.1
5	---	---	---	0.3	0.3	0.3	---	---	---	0.1	0.1	0.1
6	---	---	---	0.3	0.2	0.2	---	---	---	0.1	0.1	0.1
7	---	---	---	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
8	---	---	---	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
9	---	---	---	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
10	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
11	0.2	0.2	0.2	0.2	0.1	0.2	---	---	---	0.1	0.1	0.1
12	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1
14	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
15	0.3	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
16	0.4	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
17	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
18	0.6	0.5	0.5	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
19	0.6	0.4	0.5	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
20	0.5	0.5	0.5	---	---	---	0.2	0.2	0.2	0.1	0.1	0.1
21	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
22	0.4	0.4	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
23	0.4	0.4	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
24	0.4	0.3	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
25	0.4	0.3	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
26	0.4	0.3	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
27	0.4	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
28	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
29	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31	0.3	0.2	0.3	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1
MONTH	---	---	---	---	---	---	---	---	---	0.1	0.1	0.1
FEBRUARY			MARCH			APRIL			MAY			
1	0.1	0.1	0.1	---	---	---	---	---	---	0.1	0.1	0.1
2	0.2	0.1	0.2	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1
3	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1
4	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
5	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
6	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
7	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	1.3	0.2	0.5
8	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	1.8	1.3	1.5
9	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	1.9	1.6	1.7
10	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	2.0	0.6	1.7
11	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.6	0.5	0.6
12	0.3	0.2	0.2	---	---	---	0.1	0.1	0.1	0.7	0.6	0.6
13	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	1.0	0.4	0.7
14	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.4	0.2	0.2
15	0.3	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
16	0.3	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
17	0.3	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
18	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
19	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
20	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
21	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
22	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
23	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
24	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
25	---	---	---	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
26	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
27	---	---	---	---	---	---	0.2	0.1	0.1	0.2	0.2	0.2
28	---	---	---	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2
29	---	---	---	---	---	---	0.2	0.1	0.2	0.2	0.2	0.2
30	---	---	---	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
31	---	---	---	---	---	---	---	---	---	0.2	0.2	0.2
MONTH	---	---	---	---	---	---	---	---	---	2.0	0.1	0.4

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.2	0.3
2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.4	0.4
3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.5	0.5
4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.4	0.5
5	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.4	0.5
6	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
7	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
8	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	---	---	---
9	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
10	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
11	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
12	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	---	---	---
13	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	---	---	---
14	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	---	---	---
15	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
16	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
19	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
21	---	---	---	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
22	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
23	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
24	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
25	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
26	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
27	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
28	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
29	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
30	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2
31	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
MONTH	---	---	---	0.1	0.1	0.1	0.2	0.1	0.2	---	---	---

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	23.5	22.4	22.9	14.8	14.1	14.6	14.0	12.0	13.3
2	---	---	---	22.5	21.7	22.0	14.8	13.7	14.2	12.6	11.9	12.1
3	---	---	---	21.7	20.7	21.0	---	---	---	13.2	11.7	12.4
4	---	---	---	21.4	21.0	21.2	---	---	---	12.9	11.7	12.3
5	---	---	---	21.6	21.2	21.4	---	---	---	12.9	12.1	12.5
6	---	---	---	21.3	20.4	20.8	---	---	---	13.4	12.3	12.7
7	---	---	---	20.7	20.1	20.4	---	---	---	12.9	11.6	12.1
8	---	---	---	20.2	18.8	19.3	---	---	---	13.0	11.6	12.2
9	---	---	---	19.6	19.0	19.3	---	---	---	13.0	12.4	12.6
10	26.1	25.3	25.6	21.0	19.5	20.3	---	---	---	13.7	12.7	13.2
11	26.7	25.8	26.2	22.0	20.9	21.3	---	---	---	12.8	11.2	12.1
12	26.6	25.9	26.1	22.0	21.0	21.4	---	---	---	11.6	11.0	11.3
13	26.0	25.7	25.9	21.0	19.6	20.3	12.7	12.1	12.3	11.6	10.5	11.3
14	25.8	24.5	24.9	19.6	18.7	19.0	12.9	11.9	12.2	11.3	10.3	10.6
15	24.6	23.8	24.2	19.2	18.6	18.9	12.8	11.7	12.1	11.2	9.8	10.4
16	23.9	23.1	23.5	18.9	17.9	18.4	13.2	12.0	12.4	10.9	9.8	10.1
17	23.2	22.2	22.8	17.9	16.4	17.3	13.7	12.5	13.0	10.3	8.8	9.7
18	23.2	22.4	22.7	16.7	15.9	16.3	14.8	13.3	14.0	9.3	8.7	8.8
19	23.0	22.1	22.7	17.1	16.2	16.6	15.6	14.5	15.1	10.3	8.8	9.4
20	23.4	22.6	23.0	17.1	16.8	16.9	16.3	15.4	15.7	10.6	9.5	9.9
21	23.3	22.8	23.1	17.1	16.5	16.8	15.6	14.8	15.2	10.8	9.6	10.1
22	23.5	23.0	23.3	16.8	16.3	16.5	15.7	14.7	15.2	11.2	10.8	11.1
23	23.6	23.0	23.4	16.7	15.9	16.2	15.8	14.8	15.2	11.1	10.1	10.7
24	23.7	23.1	23.5	16.5	15.6	16.0	16.2	15.6	15.9	10.1	8.8	9.3
25	23.8	23.3	23.6	16.7	16.0	16.3	15.7	14.3	15.3	9.4	8.5	9.0
26	23.7	23.5	23.6	17.2	16.4	16.7	14.3	12.3	12.9	9.5	9.1	9.3
27	24.1	23.5	23.7	16.8	16.2	16.5	12.8	12.2	12.5	9.9	8.9	9.3
28	24.8	23.8	24.3	16.2	15.2	15.7	13.0	12.2	12.5	10.1	9.4	9.7
29	24.7	23.8	24.3	15.4	14.6	14.9	13.3	12.5	12.9	11.5	10.1	10.7
30	24.2	23.0	23.7	15.0	14.7	14.8	13.7	13.2	13.4	11.5	11.0	11.3
31	23.7	23.3	23.5	---	---	---	14.6	13.7	14.2	12.0	11.2	11.5
MONTH	---	---	---	23.5	14.6	18.5	---	---	---	14.0	8.5	11.0
FEBRUARY			MARCH			APRIL			MAY			
1	12.6	11.1	11.6	---	---	---	---	---	---	25.6	25.0	25.3
2	12.9	11.3	11.9	---	---	---	18.6	17.9	18.3	26.3	25.2	25.6
3	13.5	12.4	12.9	---	---	---	19.1	18.4	18.7	26.9	25.5	26.2
4	13.9	13.0	13.5	---	---	---	20.0	18.8	19.4	27.0	26.3	26.6
5	13.6	13.2	13.4	---	---	---	20.8	19.7	20.3	27.2	26.3	26.8
6	13.7	13.3	13.5	---	---	---	21.6	20.5	21.0	27.7	26.9	27.2
7	13.5	12.6	13.1	---	---	---	21.8	21.5	21.7	28.3	27.4	27.8
8	12.6	11.7	12.3	---	---	---	22.1	20.4	21.3	28.3	27.6	27.9
9	12.3	11.6	11.8	---	---	---	20.4	18.6	19.4	28.7	27.7	28.1
10	13.1	12.1	12.4	---	---	---	19.1	17.1	18.2	28.8	27.7	28.1
11	13.3	11.8	12.3	---	---	---	18.1	16.6	17.3	28.4	27.4	27.9
12	13.7	12.4	13.0	---	---	---	18.9	17.7	18.1	28.5	27.8	28.1
13	14.2	13.2	13.6	---	---	---	20.0	18.4	19.0	28.5	27.8	28.2
14	14.9	13.6	14.2	---	---	---	21.0	19.6	20.1	28.3	27.4	27.8
15	15.4	14.0	14.8	---	---	---	22.0	20.5	21.2	28.4	27.5	27.8
16	15.5	14.8	15.2	---	---	---	22.7	21.4	22.0	28.4	27.6	28.0
17	14.9	13.8	14.7	---	---	---	23.4	22.2	22.7	28.6	27.6	28.1
18	14.0	12.8	13.4	---	---	---	24.0	22.8	23.3	28.3	27.6	27.9
19	13.8	12.7	13.2	---	---	---	24.2	23.5	23.9	28.2	27.2	27.6
20	14.9	13.2	14.3	---	---	---	24.8	24.0	24.3	27.7	27.1	27.4
21	16.1	14.9	15.4	---	---	---	25.1	24.2	24.6	28.0	27.3	27.5
22	16.2	15.6	15.8	---	---	---	25.6	24.5	24.8	27.7	26.7	27.3
23	15.6	13.6	14.7	---	---	---	24.9	24.0	24.4	27.1	26.1	26.5
24	14.7	13.4	13.8	---	---	---	24.4	24.0	24.2	27.3	26.6	26.9
25	---	---	---	---	---	---	25.0	24.1	24.5	27.2	26.6	26.9
26	15.2	14.8	14.9	---	---	---	25.4	23.8	24.5	27.2	26.2	26.7
27	---	---	---	---	---	---	24.1	23.2	23.6	26.8	26.2	26.5
28	---	---	---	---	---	---	24.7	23.4	24.0	26.4	25.4	25.9
29	---	---	---	---	---	---	25.3	24.0	24.6	26.6	25.5	26.0
30	---	---	---	---	---	---	25.5	24.4	25.0	26.1	25.4	25.9
31	---	---	---	---	---	---	---	---	---	26.8	25.5	26.2
MONTH	---	---	---	---	---	---	---	---	---	28.8	25.0	27.1

07381331 GULF INTRACOASTAL WATERWAY AT HOUMA, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.1	25.8	26.4	27.8	26.1	26.9	30.5	30.1	30.3	30.6	29.6	30.1
2	27.2	26.2	26.7	27.4	26.7	27.0	30.4	29.8	30.0	31.1	30.2	30.5
3	26.9	26.4	26.7	28.2	27.4	27.8	31.2	29.6	30.2	31.2	30.0	30.6
4	26.6	26.2	26.4	28.4	27.8	28.1	31.6	30.3	30.9	31.5	30.5	31.0
5	26.4	25.9	26.1	29.1	27.9	28.3	32.0	30.8	31.3	31.2	30.7	30.9
6	26.0	25.7	25.9	28.2	27.6	27.9	32.1	31.0	31.5	---	---	---
7	26.8	25.7	26.2	28.3	27.3	27.8	31.8	31.2	31.5	---	---	---
8	28.1	26.7	27.3	28.5	27.7	28.1	32.1	30.9	31.5	---	---	---
9	28.9	27.5	28.1	29.5	28.0	28.6	31.8	30.9	31.5	---	---	---
10	29.6	28.4	28.9	29.9	28.8	29.3	32.2	31.0	31.7	---	---	---
11	29.4	28.4	29.0	30.0	29.1	29.5	32.2	31.4	31.8	---	---	---
12	28.9	27.9	28.3	30.3	29.1	29.7	31.8	31.0	31.3	---	---	---
13	29.7	28.0	28.8	30.4	29.7	30.0	31.0	30.2	30.6	---	---	---
14	29.9	28.6	29.3	30.0	29.4	29.7	30.8	29.8	30.2	---	---	---
15	29.8	29.3	29.6	30.2	29.1	29.6	30.7	30.0	30.4	---	---	---
16	29.7	29.1	29.3	30.8	29.7	30.0	30.8	30.0	30.3	29.3	28.5	28.9
17	29.2	28.7	28.9	30.2	29.4	29.7	30.6	28.8	29.9	29.5	28.5	28.9
18	29.6	28.6	29.1	30.0	29.0	29.4	30.9	28.5	29.4	29.9	28.5	29.0
19	30.1	29.5	29.8	30.0	29.0	29.4	30.6	28.4	29.6	30.1	28.9	29.4
20	29.9	29.2	29.5	30.1	29.4	29.7	30.5	29.3	29.7	29.4	29.0	29.2
21	---	---	---	30.5	29.5	29.9	30.7	29.4	29.9	29.1	28.4	28.7
22	---	---	---	30.5	29.7	30.0	30.8	29.6	30.1	28.5	27.8	28.1
23	---	---	---	30.2	29.6	30.0	30.8	29.8	30.3	28.2	27.4	27.8
24	30.4	29.7	29.9	29.7	29.3	29.5	30.8	30.1	30.5	28.1	27.2	27.6
25	30.8	30.0	30.3	30.1	29.0	29.4	30.5	29.9	30.3	28.1	27.3	27.7
26	30.6	30.0	30.3	30.0	29.2	29.6	30.7	29.5	30.0	28.2	27.4	27.8
27	30.5	29.1	30.0	30.6	29.4	29.9	30.7	30.0	30.4	28.4	27.9	28.2
28	29.8	28.8	29.4	30.1	29.7	29.9	31.0	30.2	30.5	28.3	27.6	28.0
29	29.6	29.0	29.3	30.1	29.4	29.7	30.8	30.4	30.6	27.6	26.6	27.0
30	29.0	27.2	28.3	30.5	29.6	30.0	30.4	29.9	30.2	26.6	25.4	26.0
31	---	---	---	30.9	29.9	30.3	30.2	29.7	29.9	---	---	---
MONTH	---	---	---	30.9	26.1	29.2	32.2	28.4	30.5	---	---	---

073813375 BAYOU TERREBONNE AT CONTROL STRUCTURE NEAR LAPEYROUSE, LA

LOCATION.-- Lat. 29°23'20", long 90°35'16", T. 19 S., R. 18 E., Terrebonne Parish, Hydrologic Unit 08090302, on the Bayou Terrebonne Control Structure, north of the Madison Canal Bridge along State Highway 55, 6.3 miles south of Montegut.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--November 2001 to current year.

GAGE.-- Water-stage recorder. Datum of gage is assumed.

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

EXTREMES FOR PERIOD OF RECORD.--ABOVE: Maximum gage height, 3.56 ft, Oct. 3, 2002; minimum recorded, -1.15 ft, Jan. 23, 2003.

BELOW: Maximum gage height, 7.93 ft, Oct. 3, 2002; minimum, -1.16 ft, Jan. 23, 2003.

EXTREMES FOR CURRENT YEAR.--ABOVE: Maximum gage height, 3.56 ft, Oct. 3; minimum gage height, -1.15 ft, Jan. 23.

BELOW: Maximum gage height, 7.97 ft, Oct. 3; minimum gage height, -1.16 ft, Jan. 23.

GAGE HEIGHT, ABOVE, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.38	0.81	0.08	0.18	0.14	0.56	0.36	1.09	0.43	1.97	0.60	1.91
2	1.75	0.84	0.31	0.16	0.32	0.54	0.41	0.95	0.69	1.49	0.58	1.80
3	2.85	1.36	0.37	-0.37	0.58	0.56	0.86	0.87	0.87	1.34	0.62	1.62
4	2.57	1.17	0.60	-0.04	0.30	0.87	0.93	1.05	0.80	1.22	0.64	1.56
5	1.73	1.56	0.01	0.15	0.22	1.08	1.01	---	0.96	1.17	0.59	1.46
6	1.34	0.59	-0.13	0.08	0.65	0.85	1.27	---	1.36	1.09	0.39	1.44
7	1.23	0.49	0.09	-0.17	-0.24	0.65	1.31	---	0.97	1.13	0.27	1.53
8	1.18	0.63	0.01	-0.21	-0.03	0.94	1.17	---	0.67	1.18	0.26	1.64
9	1.65	0.93	0.16	0.17	0.58	0.74	0.13	1.65	0.63	1.13	0.45	1.78
10	1.81	1.17	0.28	0.15	0.42	0.65	-0.21	1.82	0.84	1.08	0.51	1.59
11	1.41	1.22	0.50	-0.19	0.27	0.73	0.10	1.52	1.00	1.06	0.59	1.67
12	1.33	0.32	0.46	-0.11	0.36	0.87	0.19	0.66	1.14	1.10	0.73	2.04
13	0.97	-0.07	0.32	0.08	0.35	0.73	0.34	0.71	1.05	1.41	0.73	---
14	0.81	0.57	-0.11	0.05	0.54	0.83	0.29	1.03	1.06	1.50	0.62	---
15	1.09	0.72	0.11	0.13	0.91	0.92	0.30	1.07	0.99	1.76	0.68	---
16	0.91	-0.16	0.15	0.15	0.59	1.31	0.86	1.03	0.91	1.39	0.92	---
17	1.13	-0.07	0.36	-0.58	0.05	1.26	0.79	1.29	0.90	---	0.93	1.32
18	1.10	0.19	0.69	-0.14	0.27	1.51	0.68	1.00	0.94	---	0.72	1.31
19	1.36	0.10	0.90	-0.13	0.45	1.56	1.00	0.81	1.03	---	0.87	1.35
20	1.12	0.23	0.27	0.07	0.47	1.36	1.02	0.79	0.97	---	0.77	1.16
21	1.07	0.29	0.45	0.22	1.19	0.81	0.68	0.72	0.96	---	0.71	1.37
22	1.09	0.07	0.46	0.20	0.73	0.73	0.65	0.41	0.92	---	0.86	1.32
23	1.31	0.02	0.68	-0.88	0.56	0.57	0.80	0.37	0.86	0.71	1.10	1.12
24	1.16	0.25	0.96	-0.53	0.60	0.58	1.28	0.59	0.96	0.60	1.21	1.41
25	1.38	0.44	-0.30	-0.24	0.30	0.81	1.12	0.72	1.06	0.55	1.40	1.41
26	1.21	0.49	-0.15	-0.09	0.67	0.80	0.68	0.80	1.15	0.64	1.37	1.75
27	1.38	-0.05	-0.09	0.04	0.68	0.95	0.66	0.60	1.23	0.66	1.38	1.66
28	1.46	-0.17	0.03	0.22	0.45	1.21	0.83	0.53	1.24	0.73	1.38	1.10
29	1.51	0.16	0.24	0.32	---	0.35	0.98	0.53	1.68	0.77	1.51	0.80
30	1.25	0.33	0.52	0.33	---	-0.43	1.07	0.57	2.21	0.77	2.12	0.89
31	0.84	---	0.86	0.35	---	0.08	---	0.59	---	0.69	2.04	---
MAX	2.85	1.56	0.96	0.35	1.19	1.56	1.31	---	2.21	---	2.12	---
MIN	0.81	-0.17	-0.30	-0.88	-0.24	-0.43	-0.21	---	0.43	---	0.26	---

073813375 BAYOU TERREBONNE AT CONTROL STRUCTURE NEAR LAPEYROUSE, LA—Continued

GAGE HEIGHT, BELOW, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.36	0.79	0.10	0.19	0.11	0.53	0.29	1.08	0.38	1.96	0.61	1.79
2	1.74	0.81	0.34	0.17	0.27	0.51	0.34	0.93	0.65	1.49	0.60	1.65
3	5.09	1.34	0.41	-0.29	0.53	0.53	0.78	0.86	0.82	1.33	0.64	1.45
4	2.59	1.15	0.65	-0.03	0.24	0.85	0.85	1.05	0.75	1.20	0.67	1.37
5	1.70	1.54	0.05	0.16	0.17	1.07	0.93	1.87	0.92	1.15	0.69	1.27
6	1.32	0.56	-0.09	0.07	0.60	0.83	1.19	---	1.30	1.06	0.62	1.25
7	1.21	0.46	0.12	-0.16	-0.28	0.63	1.22	---	0.91	1.11	0.49	1.32
8	1.17	0.60	0.04	-0.18	-0.07	0.92	1.09	---	0.61	1.14	0.47	1.41
9	1.64	0.91	0.19	0.19	0.55	0.72	0.07	1.58	0.57	1.09	0.65	1.54
10	1.79	1.16	0.31	0.16	0.39	0.63	-0.25	1.77	0.77	1.04	0.70	1.34
11	1.40	1.20	0.53	-0.19	0.24	0.71	0.06	1.47	0.93	1.02	0.76	1.40
12	1.31	0.32	0.48	-0.10	0.34	0.84	0.15	0.61	1.08	1.05	0.89	1.76
13	0.95	-0.06	0.33	0.09	0.32	0.67	0.30	0.68	0.98	1.37	0.89	1.58
14	0.79	0.59	-0.10	0.06	0.51	0.75	0.23	0.99	1.00	1.69	0.76	1.20
15	1.07	0.74	0.13	0.15	0.86	0.84	0.26	1.03	0.93	1.72	0.82	1.16
16	0.90	-0.15	0.16	0.16	0.53	1.21	0.82	1.01	0.85	1.33	1.03	1.24
17	1.11	-0.07	0.38	-0.58	-0.02	1.17	0.73	1.25	0.84	---	1.02	1.30
18	1.09	0.20	0.72	-0.14	0.21	1.41	0.63	0.95	0.88	---	0.79	1.29
19	1.36	0.12	0.92	-0.14	0.39	1.47	0.96	0.76	0.95	---	0.93	1.37
20	1.12	0.26	0.28	0.07	0.42	1.25	0.98	0.74	0.90	---	0.80	1.13
21	1.07	0.32	0.46	0.22	1.16	0.70	0.64	0.67	0.91	---	0.73	1.37
22	1.09	0.10	0.48	0.19	0.67	0.62	0.62	0.37	0.86	---	0.88	1.32
23	1.30	0.05	0.71	-0.91	0.54	0.46	0.77	0.34	0.82	0.64	1.10	1.11
24	1.15	0.29	0.98	-0.56	0.57	0.47	1.25	0.54	0.96	0.55	1.20	1.41
25	1.37	0.47	-0.29	-0.27	0.27	0.70	1.08	0.67	1.06	0.51	1.37	1.40
26	1.19	0.53	-0.14	-0.10	0.64	0.69	0.65	0.74	1.15	0.61	1.33	1.73
27	1.37	-0.02	-0.09	0.03	0.65	0.85	0.64	0.55	1.22	0.63	1.31	1.64
28	1.46	-0.14	0.04	0.21	0.41	1.09	0.81	0.49	1.24	0.71	1.30	1.08
29	1.50	0.19	0.26	0.30	---	0.24	0.97	0.49	1.68	0.75	1.42	0.81
30	1.24	0.35	0.53	0.29	---	-0.52	1.07	0.53	3.50	0.76	2.02	0.92
31	0.83	---	0.86	0.30	---	0.00	---	0.54	---	0.69	1.94	---
MAX	5.09	1.54	0.98	0.30	1.16	1.47	1.25	---	3.50	---	2.02	1.79
MIN	0.79	-0.15	-0.29	-0.91	-0.28	-0.52	-0.25	---	0.38	---	0.47	0.81

07381343 BAYOU PETIT CALLIOU AT CONTROL STRUCTURE NEAR LAPEYROUSE, LA

LOCATION.-- Lat. 29°23'12", long 90°37'05", T. 19 S., R. 18 E., Terrebonne Parish, Hydrologic Unit 08090302, on the Bayou Petit Caillou Control Structure, off the Boudreaux Canal Road, south of Chauvin.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--November 2001 to current year.

GAGE.-- Water-stage recorder. Datum of gage is unknown. Levels set to Staff Gages established by Corps of Engineers.

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

EXTREMES FOR PERIOD OF RECORD.--ABOVE: Maximum gage height, 2.94 ft, Sept. 26, 2002; minimum recorded gage height, -0.86 ft, Jan. 23, 2003.

BELOW: Maximum gage height, 6.76 ft, Oct. 3, 2002; minimum recorded gage height, -0.84 ft, Jan. 23, 2003.

EXTREMES FOR CURRENT YEAR.--ABOVE: Maximum gage height, 2.77 ft, June 30; minimum recorded gage height, -0.86 ft, Jan. 23.

BELOW: Maximum gage height, 6.76 ft, Oct. 3; minimum recorded gage height, -0.84 ft, Jan. 23.

GAGE HEIGHT, ABOVE, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.83	1.15	1.50	1.14	0.66	0.96	0.68	-0.09	0.24	0.98	-0.11	0.31
2	2.10	1.38	1.84	1.15	0.76	0.95	0.88	0.04	0.43	1.00	-0.10	0.32
3	2.44	2.05	2.36	1.66	1.15	1.41	1.08	0.07	0.51	0.21	-0.51	-0.18
4	2.55	2.18	2.42	1.76	0.87	1.28	1.14	0.31	0.72	0.54	-0.31	0.07
5	2.27	1.59	2.04	1.85	1.38	1.61	0.99	-0.19	0.28	0.70	-0.19	0.24
6	1.67	1.48	1.58	1.59	0.37	0.82	0.45	-0.32	0.08	0.59	-0.19	0.19
7	1.60	1.13	1.39	1.04	0.25	0.63	0.67	-0.17	0.24	0.30	-0.30	-0.01
8	1.78	0.93	1.31	1.20	0.28	0.74	0.55	-0.19	0.17	0.14	-0.30	-0.08
9	2.26	1.39	1.73	1.35	0.62	0.99	0.63	-0.02	0.32	0.66	0.11	0.24
10	2.44	1.44	1.92	1.62	0.84	1.23	0.80	0.07	0.44	0.68	-0.01	0.29
11	2.07	1.06	1.57	1.72	0.85	1.29	0.83	0.37	0.62	0.25	-0.28	-0.03
12	1.96	0.98	1.47	1.16	-0.07	0.57	0.98	0.38	0.61	0.27	-0.22	0.04
13	1.61	0.65	1.15	0.53	-0.13	0.14	1.10	-0.01	0.46	0.65	-0.11	0.20
14	1.19	0.70	0.97	0.90	0.53	0.68	0.37	-0.22	0.05	0.66	-0.28	0.16
15	1.48	0.81	1.20	0.99	0.61	0.84	0.57	-0.10	0.23	0.67	-0.13	0.25
16	1.25	0.81	1.03	0.61	-0.15	0.10	0.66	-0.09	0.27	0.67	-0.05	0.27
17	1.40	0.93	1.23	0.47	-0.21	0.05	1.08	0.04	0.45	0.14	-0.68	-0.35
18	1.41	0.97	1.19	0.58	0.02	0.30	1.25	0.41	0.77	0.41	-0.37	-0.04
19	1.57	1.30	1.45	0.59	-0.11	0.24	1.28	0.63	0.97	0.48	-0.41	-0.02
20	1.40	1.03	1.23	1.02	-0.09	0.36	1.15	0.02	0.46	0.61	-0.24	0.15
21	1.45	0.92	1.19	1.04	-0.02	0.44	1.03	0.21	0.56	0.61	-0.08	0.28
22	1.65	0.84	1.21	0.76	-0.16	0.25	1.17	0.11	0.58	0.68	-0.11	0.29
23	1.69	1.03	1.40	0.57	-0.18	0.18	1.53	0.41	0.76	-0.11	-0.86	-0.62
24	1.61	0.86	1.28	0.80	-0.02	0.38	---	0.24	0.93	-0.02	-0.79	-0.43
25	1.84	1.07	1.46	0.92	0.18	0.55	0.24	-0.27	-0.04	0.18	-0.39	-0.15
26	1.78	0.90	1.34	1.04	0.23	0.63	0.16	-0.17	0.01	0.55	-0.40	0.01
27	1.86	1.05	1.45	0.73	-0.20	0.20	0.22	-0.12	0.03	0.67	-0.29	0.15
28	2.09	1.02	1.53	0.26	-0.22	0.03	0.49	-0.17	0.11	0.78	-0.12	0.30
29	1.91	1.28	1.60	0.61	0.08	0.27	0.80	-0.06	0.32	0.93	-0.06	0.38
30	1.89	0.91	1.39	0.66	0.25	0.45	1.38	0.11	0.59	0.93	-0.03	0.40
31	1.27	0.70	1.02	---	---	---	1.48	0.59	0.91	0.91	0.02	0.41
MONTH	2.55	0.65	1.47	1.85	-0.22	0.62	---	-0.32	0.42	1.00	-0.86	0.10

GAGE HEIGHT, ABOVE, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.65	-0.16	0.22	1.00	0.24	0.64	0.38	0.23	0.32	1.46	0.74	1.13
2	0.72	-0.01	0.36	1.03	0.25	0.54	0.34	0.31	0.32	1.35	0.66	0.99
3	0.87	0.28	0.59	0.85	0.50	0.70	0.43	0.34	0.38	1.27	0.58	0.91
4	0.91	-0.03	0.39	1.59	0.74	1.20	0.60	0.43	0.52	1.49	0.45	1.03
5	0.62	0.08	0.32	1.82	1.59	1.76	0.73	0.60	0.67	2.03	1.26	1.72
6	0.80	0.43	0.70	1.78	1.60	1.71	0.82	0.73	0.77	2.08	1.38	1.80
7	0.43	-0.23	-0.04	1.60	1.40	1.49	1.40	0.82	0.96	2.17	1.57	1.83
8	0.53	-0.32	0.05	1.51	1.32	1.42	1.80	1.32	1.51	2.00	1.27	1.65
9	1.06	0.21	0.61	1.49	1.41	1.45	1.32	-0.05	0.43	1.88	1.46	1.67
10	0.91	0.19	0.51	1.41	0.74	1.14	0.18	-0.35	-0.09	2.04	1.54	1.79
11	0.90	-0.06	0.36	1.23	0.35	0.78	0.62	-0.33	0.12	1.98	1.15	1.58
12	0.83	0.15	0.46	1.24	0.50	0.89	0.65	-0.22	0.20	1.15	0.62	0.81
13	0.96	0.03	0.41	1.01	0.44	0.76	0.64	-0.01	0.33	0.92	0.66	0.78
14	1.23	0.13	0.58	1.23	0.40	0.80	0.63	0.09	0.30	1.32	0.68	1.06
15	1.31	0.47	0.91	1.41	0.45	0.88	0.46	0.07	0.30	1.52	0.62	1.09
16	1.33	0.38	0.67	1.63	0.88	1.24	1.01	0.46	0.78	1.49	0.50	1.06
17	0.56	-0.20	0.16	1.61	0.86	1.22	0.95	0.40	0.75	1.80	0.78	1.27
18	0.66	0.01	0.33	1.63	1.19	1.43	1.04	0.25	0.66	1.46	0.61	1.03
19	0.79	0.24	0.48	1.69	1.19	1.51	1.47	0.27	0.94	1.31	0.39	0.86
20	0.68	0.38	0.51	1.50	0.98	1.29	1.48	0.61	1.01	1.28	0.39	0.83
21	1.61	0.57	1.13	0.99	0.40	0.81	1.07	0.33	0.71	1.11	0.39	0.77
22	1.56	0.18	0.78	1.10	0.24	0.69	1.17	0.21	0.68	0.82	0.14	0.52
23	1.21	0.03	0.61	0.92	0.22	0.55	1.45	0.33	0.80	0.72	0.14	0.45
24	0.99	0.27	0.66	0.94	0.08	0.52	1.58	0.82	1.24	0.86	0.34	0.60
25	0.85	0.03	0.43	1.22	0.23	0.72	1.53	0.99	1.13	0.89	0.57	0.72
26	1.37	0.21	0.71	1.21	0.36	0.76	0.99	0.45	0.74	1.00	0.45	0.82
27	1.33	0.28	0.74	1.47	0.38	0.89	0.87	0.53	0.71	0.90	0.23	0.65
28	1.00	0.16	0.54	1.40	0.75	1.10	0.95	0.80	0.87	0.86	0.21	0.58
29	---	---	---	1.34	-0.10	0.46	1.19	0.81	1.02	0.87	0.18	0.57
30	---	---	---	-0.09	-0.44	-0.31	1.31	0.81	1.12	0.95	0.14	0.58
31	---	---	---	0.26	-0.36	0.02	---	---	---	0.98	0.19	0.59
MONTH	1.61	-0.32	0.51	1.82	-0.44	0.94	1.80	-0.35	0.67	2.17	0.14	1.02
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.81	0.11	0.44	2.59	1.54	2.09	0.91	0.38	0.67	2.27	1.58	1.93
2	1.17	0.06	0.65	1.98	1.24	1.60	---	0.45	---	2.22	1.35	1.79
3	1.26	0.48	0.85	1.76	1.11	1.41	---	---	---	2.04	1.12	1.61
4	1.25	0.33	0.81	1.54	0.93	1.26	---	---	---	1.97	1.04	1.52
5	1.33	0.52	0.94	1.41	0.94	1.21	---	---	---	1.80	0.91	1.42
6	1.72	1.09	1.33	1.32	0.90	1.12	---	---	---	1.84	0.92	1.39
7	1.23	0.77	1.00	1.35	1.04	1.14	---	---	---	1.86	0.93	1.43
8	0.87	0.57	0.71	1.43	0.87	1.17	---	---	---	1.91	1.04	1.51
9	0.87	0.44	0.63	1.44	0.68	1.12	1.15	---	---	2.05	1.13	1.63
10	1.06	0.48	0.79	1.44	0.55	1.07	1.13	0.40	0.75	1.69	1.25	1.48
11	1.32	---	---	---	0.56	---	1.21	0.32	0.82	1.69	1.35	1.54
12	1.58	0.59	1.13	---	---	---	1.39	0.50	0.99	2.06	1.44	1.85
13	1.50	0.55	1.02	---	---	---	1.32	0.57	0.96	2.02	1.42	1.74
14	1.54	0.52	1.03	---	---	---	1.08	0.65	0.86	1.55	1.11	1.36
15	1.52	0.44	0.97	---	---	---	1.38	0.50	0.88	1.62	1.03	1.32
16	1.37	0.43	0.91	---	---	---	1.25	0.90	1.09	1.56	1.14	1.39
17	1.36	0.48	0.90	1.52	---	---	1.22	0.99	1.12	1.71	1.12	1.43
18	1.33	0.49	0.93	1.26	0.74	1.00	1.07	0.65	0.89	1.72	1.08	1.42
19	1.26	0.64	1.00	0.97	0.75	0.87	1.31	0.68	1.00	1.83	1.01	1.44
20	---	---	---	0.89	0.61	0.72	1.22	0.55	0.91	1.58	0.92	1.29
21	---	---	---	0.76	0.42	0.63	1.18	0.47	0.85	1.86	1.08	1.49
22	---	---	---	0.93	0.28	0.64	1.30	0.62	0.96	1.94	0.93	1.46
23	---	---	---	0.94	0.25	0.64	1.54	0.76	1.16	1.58	0.92	1.28
24	---	---	---	0.94	0.14	0.59	1.63	0.82	1.27	1.89	0.99	1.51
25	---	---	---	0.92	0.15	0.55	1.88	0.86	1.44	1.86	1.24	1.47
26	1.52	---	---	1.05	0.19	0.64	1.78	1.02	1.43	---	---	---
27	1.61	0.77	1.23	1.06	0.20	0.66	1.80	0.95	1.40	---	---	---
28	1.67	0.77	1.25	1.21	0.26	0.74	1.70	1.04	1.40	---	---	---
29	2.10	0.95	1.63	1.23	0.29	0.74	1.90	1.16	1.50	---	---	---
30	2.77	1.64	2.22	1.18	0.39	0.80	2.19	1.90	2.08	---	---	---
31	---	---	---	1.08	0.34	0.74	2.14	1.94	2.05	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

07381343 BAYOU PETIT CALLIOU AT CONTROL STRUCTURE NEAR LAPEYROUSE, LA—Continued

GAGE HEIGHT, BELOW, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1.85	1.18	1.52	1.11	0.68	0.95	0.69	-0.07	0.26	0.98	-0.11	0.39
2	2.24	1.40	1.86	1.19	0.79	0.97	0.87	0.07	0.45	1.00	-0.10	0.33
3	6.76	2.23	5.33	1.65	1.17	1.43	1.09	0.06	0.52	0.22	-0.52	-0.18
4	3.74	2.24	3.08	1.78	0.89	1.30	1.15	0.34	0.74	0.55	-0.31	0.08
5	2.31	1.65	2.09	1.87	1.40	1.63	1.00	-0.17	0.29	0.71	-0.18	0.25
6	1.69	1.49	1.60	1.60	0.40	0.85	0.48	-0.30	0.10	0.60	-0.18	0.20
7	1.61	1.15	1.39	1.07	0.28	0.65	0.69	-0.15	0.26	0.30	-0.30	-0.01
8	1.63	0.96	1.28	1.23	0.32	0.76	0.57	-0.18	0.19	0.14	-0.30	-0.08
9	2.05	1.40	1.67	1.37	0.66	1.01	0.65	0.00	0.33	0.65	0.12	0.21
10	2.36	1.46	1.91	1.65	0.86	1.25	0.82	0.08	0.45	---	---	---
11	2.07	1.11	1.56	1.74	0.87	1.31	0.83	0.39	0.63	0.26	-0.27	-0.02
12	1.86	1.00	1.43	1.18	-0.04	0.59	1.00	0.39	0.63	0.28	-0.20	0.06
13	1.56	0.69	1.15	0.55	-0.10	0.17	1.13	0.00	0.47	0.65	-0.10	0.21
14	1.19	0.73	0.99	0.92	0.55	0.70	0.38	-0.20	0.06	0.66	-0.26	0.17
15	1.49	0.82	1.22	1.02	0.64	0.86	0.58	-0.09	0.24	0.67	-0.13	0.25
16	1.27	0.82	1.05	0.64	-0.13	0.12	0.67	-0.08	0.28	0.67	-0.05	0.27
17	1.41	0.97	1.24	0.49	-0.19	0.07	1.09	0.05	0.46	0.14	-0.68	-0.35
18	1.42	0.99	1.20	0.60	0.01	0.32	1.14	0.43	0.73	0.42	-0.37	-0.04
19	1.60	1.31	1.47	0.61	-0.09	0.26	---	---	---	0.48	-0.42	-0.01
20	1.42	1.06	1.25	1.04	-0.07	0.38	---	---	---	0.60	-0.23	0.16
21	1.46	0.93	1.21	1.06	0.01	0.46	---	---	---	0.62	-0.07	0.29
22	1.66	0.88	1.23	0.78	-0.14	0.27	---	---	---	0.69	-0.10	0.30
23	1.71	1.05	1.42	0.64	-0.16	0.20	---	---	---	-0.10	-0.84	-0.59
24	1.63	0.89	1.30	0.82	-0.02	0.40	1.87	0.24	0.90	-0.04	-0.79	-0.47
25	1.85	1.10	1.48	0.93	0.19	0.57	0.25	-0.26	-0.03	0.13	-0.35	-0.14
26	1.80	0.92	1.36	1.06	0.26	0.65	0.17	-0.15	0.01	0.52	-0.38	-0.01
27	1.88	1.07	1.47	0.75	-0.18	0.22	0.20	-0.07	0.03	0.67	---	0.31
28	2.11	1.08	---	0.27	-0.22	0.05	0.49	---	---	0.79	-0.12	0.30
29	1.93	1.31	1.62	0.63	0.10	0.29	0.80	---	---	0.94	-0.05	0.39
30	1.81	0.94	1.39	0.68	0.26	0.47	1.37	0.11	0.59	0.94	-0.02	0.42
31	1.29	0.70	1.03	---	---	---	1.47	0.60	0.91	0.92	0.02	0.42
MONTH	6.76	0.69	---	1.87	-0.22	0.64	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	0.66	-0.15	0.23	1.01	0.26	0.64	0.45	0.23	0.33	1.50	0.81	1.18
2	0.73	0.00	0.37	1.05	0.27	0.62	0.53	0.26	0.38	1.42	0.73	1.05
3	0.88	0.29	0.61	0.85	0.49	0.71	1.06	0.43	0.79	1.33	0.65	0.98
4	0.94	-0.01	0.40	1.16	0.77	0.94	1.16	0.62	0.90	1.55	0.52	1.10
5	0.63	0.11	0.33	1.30	1.01	1.13	1.22	0.63	0.97	2.34	1.32	1.82
6	0.82	0.44	0.71	1.22	0.63	0.98	1.68	0.71	1.19	2.37	1.42	1.86
7	0.44	-0.23	-0.03	0.98	0.57	0.78	1.70	0.80	1.26	2.22	1.59	1.85
8	0.54	-0.31	0.06	1.32	0.64	1.00	1.65	0.93	1.24	2.02	1.31	1.68
9	1.10	0.22	0.63	1.00	0.66	0.84	1.07	-0.03	0.36	1.90	1.47	1.69
10	0.95	0.19	0.52	1.13	0.37	0.73	0.22	-0.36	-0.05	2.05	1.55	1.80
11	0.90	-0.05	0.36	1.25	0.37	0.80	0.65	-0.29	0.16	1.98	1.18	1.60
12	0.83	0.15	0.46	1.27	0.53	0.91	0.68	-0.12	0.26	1.18	0.64	0.85
13	0.96	0.01	0.42	1.04	0.47	0.79	0.67	0.03	0.39	0.94	0.69	0.81
14	1.25	0.14	0.59	1.25	0.42	0.82	0.67	0.13	0.36	1.32	0.69	1.07
15	1.37	0.49	0.93	1.44	0.49	0.91	0.55	0.15	0.37	1.53	0.65	1.10
16	1.36	0.38	0.70	1.67	0.91	1.28	1.10	0.51	0.86	1.50	0.52	1.08
17	0.58	-0.19	0.17	1.66	0.88	1.25	1.05	0.48	0.82	1.81	0.80	1.28
18	0.67	0.01	0.34	1.66	1.22	1.46	1.09	0.32	0.73	1.48	0.63	1.05
19	0.79	0.25	0.49	1.71	1.22	1.54	1.51	0.33	0.99	1.34	0.40	0.88
20	0.68	0.38	0.51	1.53	1.01	1.32	1.54	0.66	1.07	1.30	0.47	0.87
21	1.61	0.58	1.14	1.03	0.44	0.85	1.15	0.45	0.81	1.13	0.40	0.80
22	1.56	0.19	0.78	1.13	0.28	0.73	1.28	0.30	0.78	0.83	0.18	0.53
23	1.22	0.04	0.62	0.96	0.25	0.59	1.53	0.38	0.86	0.76	0.15	0.46
24	1.01	0.28	0.68	0.98	0.12	0.57	1.63	0.87	1.29	0.89	0.36	0.62
25	0.87	0.05	0.46	1.25	0.28	0.75	1.58	1.03	1.18	0.93	0.60	0.76
26	1.40	0.25	0.74	1.27	0.39	0.80	1.05	0.52	0.80	1.04	0.48	0.84
27	1.36	0.29	0.75	1.50	0.41	0.92	0.98	0.59	0.78	0.95	0.25	0.68
28	1.01	0.18	0.56	1.43	0.79	1.13	1.03	0.86	0.93	0.87	0.25	0.59
29	---	---	---	1.37	-0.06	0.50	1.24	0.87	1.07	0.89	0.20	0.58
30	---	---	---	-0.06	-0.40	-0.28	1.36	0.86	1.17	0.96	0.16	0.59
31	---	---	---	0.28	-0.35	0.05	---	---	---	0.99	0.20	0.60
MONTH	1.61	-0.31	0.52	1.71	-0.40	0.84	1.70	-0.36	0.77	2.37	0.15	1.05

07381343 BAYOU PETIT CALLIOU AT CONTROL STRUCTURE NEAR LAPEYROUSE, LA—Continued

GAGE HEIGHT, BELOW, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.83	0.12	0.45	2.68	1.54	2.09	0.93	0.40	0.68	2.25	1.56	1.91
2	1.17	0.08	0.66	1.97	1.24	1.60	0.84	0.46	0.68	2.20	1.31	1.77
3	1.27	0.50	0.86	1.75	1.11	1.41	0.84	0.62	0.72	2.03	1.11	1.59
4	1.27	0.33	0.81	1.54	0.93	1.27	0.95	0.52	0.75	1.96	1.03	1.51
5	1.41	0.52	0.97	1.43	0.95	1.21	1.06	0.38	0.77	1.80	0.91	1.41
6	1.73	1.10	1.35	1.32	0.90	1.12	1.06	0.25	0.70	1.83	0.92	1.35
7	1.25	0.79	1.02	1.31	1.04	1.14	0.95	0.10	0.57	1.80	0.94	1.39
8	0.89	0.59	0.73	1.43	0.87	1.17	0.99	0.13	0.57	1.79	0.96	1.41
9	0.90	0.49	0.65	1.44	0.68	1.12	1.24	0.14	0.72	1.94	1.02	1.52
10	1.09	0.50	0.81	1.44	0.55	1.06	1.21	0.29	0.77	1.58	1.15	1.38
11	1.33	0.53	0.95	1.54	0.55	1.05	1.26	0.32	0.82	1.60	1.24	1.46
12	1.59	0.54	1.09	1.58	0.57	1.08	1.41	0.40	0.97	1.98	1.37	1.77
13	1.51	0.58	1.04	1.97	0.73	1.34	1.36	0.56	0.98	1.92	1.32	1.64
14	1.56	0.54	1.04	2.36	0.91	1.65	1.12	0.65	0.88	1.51	1.07	1.32
15	1.52	0.50	0.98	2.18	1.32	1.72	1.44	0.50	0.92	---	---	---
16	1.38	0.45	0.92	1.70	1.08	1.39	1.27	0.90	1.11	---	---	---
17	1.37	0.52	0.92	1.51	0.80	1.39	1.25	0.99	1.13	---	---	---
18	1.35	0.51	0.94	1.26	0.73	1.00	1.10	0.65	0.91	---	---	---
19	1.30	0.65	1.01	0.97	0.75	0.87	1.34	0.68	1.02	---	---	---
20	1.33	0.77	1.02	0.89	0.61	0.72	1.23	0.57	0.92	---	---	---
21	1.43	0.82	1.03	0.78	0.44	0.64	1.18	0.49	0.86	---	---	---
22	1.11	0.75	0.95	0.95	0.29	0.66	1.33	0.66	0.99	---	---	---
23	1.06	0.62	0.87	0.96	0.27	0.66	1.59	0.80	1.21	---	---	---
24	1.26	0.66	0.98	0.96	0.16	0.60	1.68	0.88	1.31	---	---	---
25	1.46	0.69	1.09	0.93	0.16	0.57	1.88	0.87	1.45	---	---	---
26	1.53	0.69	1.16	1.06	0.20	0.66	1.78	1.03	1.43	---	---	---
27	1.65	0.77	1.23	1.07	0.22	0.68	1.81	0.96	1.41	---	---	---
28	1.66	0.77	1.25	1.20	0.28	0.75	1.72	1.04	1.41	---	---	---
29	2.10	0.95	1.62	1.25	0.28	0.76	1.91	1.16	1.51	---	---	---
30	5.45	1.58	3.23	1.20	0.41	0.81	2.21	1.91	2.08	---	---	---
31	---	---	---	1.09	0.36	0.75	2.14	1.93	2.04	---	---	---
MONTH	5.45	0.08	1.05	2.68	0.16	1.06	2.21	0.10	1.04	---	---	---

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA

LOCATION.--Lat. 29°15'08", Long. 90°55'18", T. 21 S., R. 15 E., Mechant, La., Terrebonne Parish, Hydrologic Unit 08090302, on dock at Wildlife and Fisheries camp 9.0 mi. southwest of Bayou Du Large and 13 mi. southwest of Dulac.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Elevations affected by wind and tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 4.37 ft, June 30, 2003; minimum recorded, -1.52 ft, Dec. 31, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.37 ft, June 30; minimum elevation, -1.36 ft, Jan. 17.

ELEVATION, FEET												
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1.95	0.60	1.36	---	---	---	---	---	---	1.76	-0.40	0.77
2	2.19	1.06	1.70	---	---	---	---	---	---	1.72	-0.29	0.60
3	---	---	---	---	---	---	---	---	---	1.25	-0.77	0.31
4	---	---	---	---	---	---	---	---	---	1.73	-0.35	0.67
5	---	---	---	---	---	---	---	---	---	1.73	-0.15	0.74
6	---	---	---	---	---	---	---	---	---	1.39	-0.24	0.66
7	---	---	---	---	---	---	---	---	---	1.18	-0.08	0.46
8	---	---	---	---	---	---	---	---	---	0.79	0.02	0.43
9	---	---	---	---	---	---	---	---	---	1.40	0.47	0.78
10	---	---	---	---	---	---	---	---	---	1.37	0.17	0.74
11	---	---	---	---	---	---	---	---	---	1.14	-0.13	0.52
12	---	---	---	---	---	---	---	---	---	0.96	-0.19	0.48
13	---	---	---	---	---	---	2.45	0.13	1.03	1.43	0.10	0.79
14	---	---	---	1.20	0.75	0.92	1.20	-0.02	0.61	1.40	-0.48	0.59
15	---	---	---	1.23	0.25	0.92	1.40	0.19	0.89	1.35	-0.29	0.66
16	---	---	---	0.52	-0.21	0.13	1.39	0.07	0.85	1.43	-0.01	0.72
17	---	---	---	0.57	-0.24	0.20	2.01	0.24	1.16	1.06	-1.36	-0.16
18	---	---	---	0.51	-0.28	0.20	1.96	0.62	1.39	1.35	-0.39	0.59
19	---	---	---	0.75	-0.69	0.04	2.19	0.57	1.47	1.44	-0.76	0.34
20	---	---	---	---	---	---	1.65	-0.23	0.72	1.44	-0.38	0.55
21	---	---	---	---	---	---	2.08	0.10	1.10	1.37	0.05	0.75
22	---	---	---	---	---	---	2.04	0.03	0.94	1.23	-0.08	0.62
23	---	---	---	---	---	---	2.64	0.35	1.33	0.13	-1.14	-0.43
24	---	---	---	---	---	---	2.64	0.42	1.41	0.75	-0.44	0.19
25	---	---	---	---	---	---	0.87	-0.41	0.21	0.77	-0.13	0.35
26	---	---	---	---	---	---	0.94	0.18	0.53	1.35	-0.37	0.51
27	---	---	---	---	---	---	1.02	0.42	0.63	1.39	-0.47	0.56
28	---	---	---	---	---	---	1.30	0.16	0.71	1.45	-0.23	0.73
29	---	---	---	---	---	---	1.47	0.17	0.95	1.59	-0.23	0.75
30	---	---	---	---	---	---	2.25	0.19	1.19	1.64	-0.27	0.73
31	---	---	---	---	---	---	1.98	0.61	1.42	1.57	-0.20	0.71
MONTH	---	---	---	---	---	---	---	---	---	1.76	-1.36	0.54

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	1.40	-0.42	0.54	1.59	0.14	0.90	0.91	0.35	0.60	1.96	0.62	1.49
2	1.44	-0.15	0.67	1.59	0.05	0.82	0.89	0.51	0.71	1.90	0.63	1.31
3	1.57	0.22	0.93	1.16	0.32	0.73	1.36	0.78	1.14	1.89	0.20	1.22
4	1.57	-0.18	0.62	1.59	0.55	1.27	1.67	0.60	1.28	2.06	0.20	1.41
5	1.08	0.01	0.58	1.69	1.22	1.41	1.69	0.71	1.31	2.77	1.26	2.06
6	1.24	0.59	1.03	1.51	0.49	1.12	2.18	0.73	1.60	2.58	1.11	1.88
7	0.98	-0.15	0.21	1.26	0.57	0.98	2.21	0.68	1.52	2.49	1.17	1.85
8	1.09	-0.14	0.53	1.72	0.57	1.23	2.00	0.44	1.34	2.27	0.91	1.74
9	1.65	0.47	1.11	1.31	0.45	1.02	1.09	-0.33	0.40	2.21	1.12	1.72
10	1.14	-0.02	0.65	1.58	0.29	0.98	1.23	-0.60	0.39	2.36	1.30	1.88
11	1.56	-0.31	0.67	1.62	0.15	0.99	1.52	-0.48	0.65	1.89	1.21	1.56
12	1.03	0.11	0.66	1.70	0.30	1.09	1.35	-0.33	0.62	1.37	0.68	0.87
13	1.46	-0.19	0.69	1.53	0.06	0.88	1.24	0.05	0.75	1.39	0.69	1.06
14	1.81	-0.05	0.89	1.49	0.27	1.05	1.22	0.30	0.70	1.71	0.49	1.30
15	1.87	0.25	1.12	1.69	0.31	1.13	1.01	0.38	0.73	2.06	0.13	1.31
16	1.87	0.00	0.76	1.98	0.75	1.46	1.63	0.68	1.30	2.06	0.15	1.31
17	1.16	-0.53	0.35	2.05	0.93	1.52	1.66	0.20	1.25	2.52	0.24	1.49
18	1.16	-0.18	0.52	2.05	1.16	1.66	1.54	0.11	1.00	1.85	-0.03	1.16
19	1.35	0.28	0.72	2.11	1.16	1.72	1.88	0.11	1.33	1.90	-0.17	1.02
20	0.99	0.45	0.72	1.89	0.84	1.55	2.11	0.35	1.30	1.74	0.05	1.01
21	1.84	0.64	1.49	1.34	-0.07	0.95	1.73	0.19	1.08	1.57	0.22	0.96
22	1.78	-0.30	1.04	1.51	-0.07	0.95	1.94	0.10	1.12	1.44	-0.17	0.78
23	1.72	-0.49	0.85	1.31	0.03	0.69	1.89	0.36	1.24	1.32	0.07	0.80
24	1.47	-0.05	0.81	1.42	-0.18	0.77	2.31	0.84	1.69	1.48	0.57	1.04
25	1.38	-0.35	0.52	1.64	0.02	0.95	2.21	1.12	1.48	1.42	0.88	1.13
26	2.01	-0.03	1.05	1.55	0.13	0.81	1.57	0.45	1.07	1.47	0.56	1.14
27	1.61	0.07	0.92	2.01	-0.05	1.18	1.56	0.77	1.16	1.31	0.14	0.91
28	1.46	-0.25	0.69	1.84	0.76	1.36	1.50	1.01	1.27	1.46	0.41	1.01
29	---	---	---	1.58	-0.49	0.32	1.66	1.08	1.40	1.39	0.24	0.97
30	---	---	---	0.41	-0.56	0.04	1.85	0.96	1.53	1.52	0.13	0.96
31	---	---	---	0.81	0.12	0.47	---	---	---	1.63	0.00	1.02
MONTH	2.01	-0.53	0.76	2.11	-0.56	1.03	2.31	-0.60	1.10	2.77	-0.17	1.27
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.51	-0.06	0.79	2.34	0.63	1.64	1.27	0.26	0.97	2.48	1.62	2.07
2	1.88	-0.06	1.17	2.15	0.60	1.53	1.27	0.58	1.00	2.48	1.21	1.92
3	1.98	0.32	1.24	1.98	0.76	1.51	1.24	0.72	1.02	2.42	0.95	1.76
4	1.74	0.35	1.13	1.73	0.66	1.33	1.35	0.52	1.02	2.41	0.87	1.69
5	1.86	0.46	1.35	1.70	0.83	1.32	1.49	0.26	1.02	2.40	0.81	1.67
6	2.39	0.94	1.62	1.65	0.76	1.33	1.56	0.14	0.96	2.35	0.78	1.68
7	1.68	0.62	1.20	1.72	1.20	1.43	1.57	-0.15	0.83	2.36	0.94	1.75
8	1.41	0.46	0.96	1.77	0.78	1.36	1.44	-0.03	0.80	2.32	1.14	1.82
9	1.50	0.59	1.00	1.95	0.62	1.35	1.84	0.04	1.10	2.50	1.25	1.94
10	1.67	0.53	1.16	1.96	0.18	1.26	1.74	0.13	1.10	1.97	1.14	1.67
11	2.04	0.48	1.27	2.03	0.11	1.25	1.83	0.19	1.14	2.04	1.16	1.73
12	2.19	0.13	1.34	2.08	0.46	1.32	1.79	0.30	1.26	2.24	1.57	2.07
13	2.22	0.28	1.28	2.46	0.56	1.64	1.76	0.36	1.19	2.32	1.58	1.93
14	2.18	0.09	1.29	2.87	0.56	1.95	1.49	0.53	1.12	1.91	1.16	1.60
15	2.09	0.09	1.25	2.69	0.90	1.91	1.85	0.58	1.28	1.97	1.14	1.59
16	2.04	0.15	1.20	2.08	0.68	1.51	1.75	1.12	1.45	2.17	1.24	1.71
17	1.95	0.10	1.19	2.02	0.54	1.28	1.62	1.11	1.41	2.22	1.25	1.78
18	1.90	0.35	1.29	1.65	0.61	1.23	1.51	0.68	1.13	2.20	1.13	1.72
19	1.79	0.71	1.31	1.39	0.91	1.14	1.77	0.70	1.28	2.37	1.01	1.71
20	1.68	0.78	1.28	1.21	0.74	0.96	1.78	0.47	1.16	2.10	0.85	1.53
21	1.75	0.95	1.31	1.16	0.56	0.94	1.81	0.29	1.00	2.44	1.06	1.87
22	1.49	0.84	1.22	1.40	0.30	0.95	1.91	0.67	1.31	2.49	0.81	1.74
23	1.49	0.67	1.19	1.49	0.19	0.98	2.10	0.80	1.55	1.99	1.07	1.64
24	1.73	0.62	1.28	1.65	-0.08	0.82	2.17	0.83	1.61	2.42	1.42	1.93
25	1.91	0.48	1.31	1.44	-0.06	0.80	2.26	1.01	1.73	2.35	1.47	1.91
26	1.97	0.61	1.38	1.65	-0.11	0.88	2.16	0.87	1.66	2.53	1.86	2.18
27	2.09	0.42	1.46	1.58	-0.01	0.92	2.23	0.94	1.71	2.38	1.64	2.06
28	2.11	0.60	1.47	1.76	0.10	1.04	2.00	0.94	1.64	2.09	0.62	1.52
29	2.36	0.78	1.86	1.82	0.20	1.15	2.00	1.05	1.72	2.04	0.61	1.33
30	4.37	1.27	2.77	1.68	0.02	1.07	2.71	1.88	2.29	2.20	0.60	1.40
31	---	---	---	1.55	0.02	1.04	2.49	2.07	2.24	---	---	---
MONTH	4.37	-0.06	1.32	2.87	-0.11	1.25	2.71	-0.15	1.31	2.53	0.60	1.76

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to current.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURES: July 1992 to current.

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

REMARKS.--No record for Oct 4-Nov. 12, Dec. 4-11, and July 20-30.

SPECIFIC CONDUCTANCE: Records excellent except for Mar. 15-Apr. 2, Apr. 25-May 7, June 8-24, June 28-July 2, Aug. 3-10, and Aug. 29-Sept. 13 when records good; Oct.-Dec. 13, July 3-7, Aug. 11-16, and Sept. 14-24 when records fair; July 8-19, Aug. 17-21, and Sept. 25-30 when records poor.

SALINITY: Records excellent except for Mar. 15-Apr. 2, Apr. 25-May 7, June 8-24, June 28-July 2, Aug. 3-10, and Aug. 29-Sept. 13 when records good; Oct.-Dec. 13, July 3-7, Aug. 11-16, and Sept. 14-24 when records fair; July 8-19, Aug. 17-21, and Sept. 25-30 when records poor.

WATER TEMPERATURES: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 48,100 microsiemens/cm, Nov. 8, 2001; minimum recorded, 588 microsiemens/cm, July 4, 1997.

SALINITY: Maximum recorded, 23.5 ppt, May 11, 2003; minimum recorded, 0.8 ppt, Mar. 30, 2003.

WATER TEMPERATURES: Maximum recorded, 34.9°C, July 21, 2002, but may have been higher during period of missing record; minimum recorded, 0.9°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 37,000 microsiemens/cm, Feb. 22; minimum, 1,570 microsiemens/cm, Mar. 30.

SALINITY: Maximum, 23.4 ppt, Feb. 22; minimum, 0.8 ppt, Mar. 30.

WATER TEMPERATURE: Maximum, 32.6°C, Aug. 10; minimum, 5.6°C, Jan. 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22,100	16,400	18,800	---	---	---	24,400	8,420	14,100	20,900	7,820	12,400
2	27,100	19,000	23,100	---	---	---	25,300	12,900	18,500	21,000	7,890	12,100
3	---	---	---	---	---	---	---	---	---	13,500	4,350	6,500
4	---	---	---	---	---	---	---	---	---	15,000	5,380	9,120
5	---	---	---	---	---	---	---	---	---	13,500	6,740	9,810
6	---	---	---	---	---	---	---	---	---	11,400	6,560	8,650
7	---	---	---	---	---	---	---	---	---	10,600	5,700	7,660
8	---	---	---	---	---	---	---	---	---	8,330	4,560	6,040
9	---	---	---	---	---	---	---	---	---	11,200	6,630	7,730
10	---	---	---	---	---	---	---	---	---	14,300	4,580	8,620
11	---	---	---	---	---	---	---	---	---	11,300	2,980	6,100
12	---	---	---	---	---	---	---	---	---	12,200	3,390	8,100
13	---	---	---	---	---	---	28,200	12,500	19,700	15,700	5,090	9,660
14	---	---	---	16,800	11,600	15,600	21,500	10,100	13,900	17,200	5,710	9,650
15	---	---	---	16,200	11,100	14,900	21,500	10,300	15,800	18,300	6,480	10,900
16	---	---	---	11,100	6,590	7,880	21,500	11,000	16,100	18,600	8,260	12,900
17	---	---	---	19,100	5,840	9,370	22,600	14,000	18,100	14,400	2,750	4,810
18	---	---	---	19,200	8,870	12,300	24,200	20,300	21,900	19,000	5,260	12,100
19	---	---	---	14,000	6,170	9,750	25,600	21,500	23,200	19,300	5,460	10,100
20	---	---	---	19,700	7,790	11,900	25,400	13,500	17,600	18,300	8,290	12,700
21	---	---	---	19,700	7,450	11,900	22,700	15,200	18,900	18,600	9,400	13,700
22	---	---	---	17,200	7,840	10,500	23,800	14,400	18,800	18,300	6,280	11,800
23	---	---	---	12,700	7,060	9,700	22,600	18,600	20,500	8,120	3,720	5,160
24	---	---	---	18,100	9,490	13,100	26,200	16,000	21,800	12,700	5,780	9,500
25	---	---	---	16,800	11,100	14,000	16,000	10,900	12,200	14,000	8,090	10,900
26	---	---	---	18,600	13,100	15,100	17,300	11,300	13,500	21,200	6,890	12,200
27	---	---	---	16,500	8,700	12,400	17,400	11,700	14,500	20,900	9,120	14,300
28	---	---	---	16,800	9,600	13,200	17,400	10,200	13,800	22,800	12,000	16,900
29	---	---	---	19,000	15,300	16,700	19,600	11,200	15,400	24,100	12,300	17,600
30	---	---	---	23,400	14,100	18,300	25,800	12,600	17,000	26,300	11,200	17,200
31	---	---	---	---	---	---	25,800	16,000	21,300	28,500	14,300	20,300
MONTH	---	---	---	---	---	---	---	---	---	28,500	2,750	10,800

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	23,300	11,600	17,000	28,200	17,900	23,100	5,690	4,250	4,960	23,300	16,000	18,800
2	24,400	14,900	19,200	26,800	16,300	21,900	5,040	3,410	4,340	19,900	15,600	17,700
3	26,000	19,800	22,700	26,800	17,900	23,000	8,520	3,500	6,480	19,800	14,700	16,800
4	26,200	14,600	19,700	25,400	17,300	23,400	10,300	7,060	8,800	19,500	13,300	16,200
5	24,500	20,900	23,000	24,500	22,800	23,700	10,300	6,980	8,510	30,300	19,400	25,800
6	32,400	24,200	28,400	23,700	14,800	21,000	21,700	7,410	13,500	30,300	27,100	28,300
7	25,300	16,000	18,900	24,000	14,600	19,200	17,200	11,100	13,600	33,400	27,400	30,000
8	27,100	15,200	21,300	27,300	14,300	21,700	17,400	9,680	13,900	31,900	28,100	29,400
9	29,300	23,300	25,900	26,400	13,300	20,500	9,680	3,070	5,170	33,400	29,100	31,000
10	28,500	21,200	23,500	24,400	9,970	18,200	12,600	1,880	4,150	35,600	28,600	32,100
11	26,900	14,800	20,100	23,500	10,700	16,600	11,400	1,910	4,850	35,600	28,400	31,700
12	26,900	18,300	22,300	23,900	15,000	19,200	10,000	3,930	6,100	28,600	23,900	25,700
13	28,000	16,500	21,900	21,700	12,900	16,900	9,080	5,120	7,110	24,400	23,400	24,000
14	29,500	21,700	25,300	20,700	11,800	16,800	9,220	5,110	6,740	27,400	23,200	25,600
15	30,900	25,700	28,300	22,500	11,700	17,200	6,960	4,120	5,670	29,200	23,200	26,100
16	29,900	21,400	24,700	24,100	17,300	20,300	11,500	6,960	9,420	28,800	22,600	26,100
17	25,000	15,000	18,000	25,700	14,700	21,800	13,200	5,450	10,300	30,400	26,200	28,900
18	27,700	18,200	22,500	24,800	19,000	22,200	11,000	4,290	7,580	29,200	23,600	26,500
19	26,200	20,900	23,700	21,700	16,800	20,900	14,600	4,740	9,550	27,300	21,200	24,000
20	26,000	21,500	23,900	22,600	12,400	18,100	14,700	10,400	12,000	26,000	21,300	23,800
21	37,000	25,200	30,300	12,400	5,960	10,200	14,600	8,920	11,100	25,800	21,700	23,800
22	37,000	22,800	29,100	18,000	5,700	10,200	18,300	6,500	11,100	23,400	17,600	20,300
23	28,900	17,900	23,400	11,500	4,370	7,000	16,900	9,000	12,800	22,600	16,400	18,900
24	29,200	21,000	24,900	12,200	3,010	6,830	20,900	14,700	16,700	22,900	16,700	20,600
25	28,100	18,500	22,700	15,300	4,520	8,350	22,300	15,300	18,000	22,000	17,100	20,100
26	31,800	19,800	25,000	12,600	7,300	8,840	15,300	10,500	12,400	24,000	16,600	21,400
27	31,100	20,800	24,800	12,100	3,010	7,030	15,700	10,800	12,900	21,000	14,600	17,600
28	27,100	16,600	20,600	12,000	8,320	10,000	16,200	14,500	15,400	20,300	14,500	17,300
29	---	---	---	11,000	1,760	5,110	16,800	15,100	16,100	22,000	12,300	17,800
30	---	---	---	2,620	1,570	1,870	20,900	15,500	18,600	22,400	12,300	16,800
31	---	---	---	5,120	1,840	2,820	---	---	---	24,400	13,500	18,300
MONTH	37,000	11,600	23,300	28,200	1,570	15,600	22,300	1,880	10,300	35,600	12,300	23,300
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19,300	11,400	15,500	19,300	8,970	14,200	7,770	5,520	6,570	27,900	22,900	24,400
2	22,400	10,700	16,700	11,800	7,180	9,050	7,690	4,670	5,940	27,000	22,400	23,900
3	25,300	17,500	21,600	9,720	6,200	7,520	7,610	4,120	5,520	28,000	21,300	23,700
4	23,600	15,100	19,700	7,100	5,780	6,270	14,600	3,760	6,960	25,600	18,800	22,400
5	24,300	14,900	20,100	6,200	5,040	5,330	15,300	4,440	9,010	24,300	18,400	20,800
6	25,300	15,700	21,600	5,990	4,250	5,110	15,400	3,400	8,100	22,800	18,400	20,100
7	19,500	11,000	14,600	5,100	4,440	4,700	11,500	2,300	6,390	23,000	18,500	20,800
8	16,900	8,340	10,700	5,670	3,120	4,650	14,100	2,210	6,550	24,000	19,300	22,100
9	18,100	7,030	12,000	7,210	3,110	4,620	12,200	3,230	8,180	24,200	21,700	22,900
10	15,700	8,180	11,800	7,140	2,890	4,910	14,800	6,250	9,740	23,200	21,900	22,700
11	16,600	8,450	12,000	9,050	2,630	5,350	14,500	7,470	11,400	22,400	21,400	21,900
12	14,400	8,430	11,600	10,100	3,340	6,490	16,800	9,390	13,000	23,800	21,500	22,300
13	14,100	8,220	11,000	15,000	5,200	10,100	15,800	11,100	13,200	24,700	22,400	23,300
14	13,100	7,370	10,000	21,700	9,850	15,200	14,800	11,600	13,000	22,400	19,600	21,100
15	12,500	6,360	9,340	23,100	17,300	20,000	22,400	10,700	14,800	21,200	19,600	20,200
16	11,500	6,480	9,070	19,500	15,900	17,600	19,600	16,800	17,400	21,700	20,200	21,000
17	10,400	6,030	8,340	16,400	12,000	14,300	22,600	17,600	20,300	23,600	20,900	22,200
18	10,800	6,930	8,960	12,700	9,720	11,100	18,100	12,200	15,100	23,800	21,000	22,300
19	10,300	8,370	9,300	10,400	8,100	8,810	20,900	14,000	16,700	23,800	19,900	21,900
20	9,520	5,950	7,040	---	---	---	20,800	12,000	16,400	22,600	19,600	21,100
21	5,950	3,670	4,420	---	---	---	---	9,200	---	24,500	19,700	22,400
22	3,670	2,700	3,200	---	---	---	22,400	12,200	16,300	24,300	18,800	22,200
23	3,360	2,310	2,750	---	---	---	23,700	13,200	17,900	21,900	18,600	20,200
24	7,560	2,310	3,720	---	---	---	25,000	13,600	19,800	24,100	19,300	22,200
25	6,710	2,540	4,170	---	---	---	23,100	14,000	19,600	23,500	21,800	22,400
26	9,200	2,590	5,060	---	---	---	24,300	17,400	21,100	25,700	22,900	24,400
27	9,690	2,590	5,810	---	---	---	24,100	18,600	21,700	25,600	23,300	24,600
28	11,500	2,880	6,070	---	---	---	24,100	19,400	21,800	24,300	18,200	20,600
29	17,900	3,540	10,100	---	---	---	22,500	20,700	21,900	19,800	17,000	18,500
30	29,000	9,460	18,900	---	---	---	31,000	21,100	25,800	21,100	19,600	20,400
31	---	---	---	13,800	4,800	8,670	27,900	22,400	24,200	---	---	---
MONTH	29,000	2,310	10,800	---	---	---	---	2,210	---	28,000	17,000	22,000

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	13.3	9.6	11.1	---	---	---	14.8	4.7	8.2	12.5	4.3	7.1
2	16.6	11.3	13.9	---	---	---	15.4	7.4	11.0	12.6	4.4	7.0
3	---	---	---	---	---	---	---	---	---	7.8	2.3	3.6
4	---	---	---	---	---	---	---	---	---	8.7	2.9	5.1
5	---	---	---	---	---	---	---	---	---	7.8	3.7	5.5
6	---	---	---	---	---	---	---	---	---	6.5	3.6	4.8
7	---	---	---	---	---	---	---	---	---	6.0	3.1	4.2
8	---	---	---	---	---	---	---	---	---	4.6	2.4	3.3
9	---	---	---	---	---	---	---	---	---	6.3	3.6	4.3
10	---	---	---	---	---	---	---	---	---	8.3	2.4	4.8
11	---	---	---	---	---	---	---	---	---	6.4	1.5	3.3
12	---	---	---	---	---	---	---	---	---	7.0	1.8	4.5
13	---	---	---	---	---	---	17.4	7.2	11.8	9.1	2.7	5.4
14	---	---	---	9.9	6.6	9.1	12.9	5.7	8.0	10.1	3.1	5.4
15	---	---	---	9.4	6.3	8.7	12.9	5.8	9.2	10.8	3.5	6.2
16	---	---	---	6.3	3.6	4.4	12.9	6.2	9.5	11.0	4.6	7.4
17	---	---	---	11.4	3.2	5.3	13.6	8.1	10.7	8.3	1.4	2.6
18	---	---	---	11.4	4.9	7.0	14.7	12.1	13.1	11.3	2.8	6.9
19	---	---	---	8.1	3.3	5.5	15.6	12.9	14.0	11.5	2.9	5.7
20	---	---	---	11.7	4.3	6.8	15.5	7.8	10.4	10.8	4.6	7.3
21	---	---	---	11.7	4.1	6.8	13.7	8.9	11.2	11.0	5.3	7.9
22	---	---	---	10.1	4.3	6.0	14.4	8.3	11.2	10.8	3.4	6.8
23	---	---	---	7.3	3.9	5.5	13.6	11.0	12.3	4.5	2.0	2.8
24	---	---	---	10.7	5.3	7.5	16.0	9.3	13.1	7.3	3.1	5.4
25	---	---	---	9.9	6.3	8.1	9.3	6.2	7.0	8.1	4.5	6.2
26	---	---	---	11.0	7.5	8.8	10.2	6.4	7.8	12.7	3.8	7.0
27	---	---	---	9.7	4.8	7.1	10.2	6.6	8.4	12.5	5.1	8.3
28	---	---	---	9.9	5.4	7.6	10.2	5.8	8.0	13.7	6.8	9.9
29	---	---	---	11.3	8.9	9.8	11.7	6.3	9.0	14.6	7.0	10.4
30	---	---	---	14.2	8.1	10.8	15.8	7.2	10.0	16.1	6.3	10.1
31	---	---	---	---	---	---	15.8	9.3	12.7	17.5	8.3	12.1
MONTH	---	---	---	---	---	---	---	---	---	17.5	1.4	6.2
FEBRUARY			MARCH			APRIL			MAY			
1	14.1	6.6	10.0	17.4	10.5	14.0	3.1	2.3	2.7	14.1	9.3	11.1
2	14.8	8.7	11.4	16.4	9.5	13.2	2.7	1.8	2.3	11.8	9.1	10.4
3	15.9	11.8	13.7	16.3	10.5	13.9	4.7	1.8	3.5	11.8	8.6	9.9
4	16.0	8.5	11.8	15.5	10.2	14.2	5.8	3.9	4.9	11.6	7.6	9.5
5	14.8	12.5	13.9	14.8	13.7	14.3	5.8	3.8	4.7	18.8	11.5	15.7
6	20.2	14.7	17.5	14.4	8.6	12.5	13.0	4.1	7.8	18.8	16.6	17.4
7	15.4	9.3	11.2	14.5	8.5	11.4	10.1	6.3	7.8	20.9	16.8	18.6
8	16.6	8.9	12.8	16.7	8.3	13.0	10.2	5.4	8.0	19.9	17.3	18.2
9	18.1	14.1	15.8	16.1	7.6	12.3	5.4	1.6	2.8	20.9	17.9	19.3
10	17.5	12.7	14.2	14.8	5.6	10.8	7.2	1.0	2.2	22.4	17.6	20.0
11	16.4	8.6	12.0	14.2	6.1	9.8	6.5	1.0	2.6	22.4	17.5	19.7
12	16.4	10.8	13.4	14.5	8.7	11.4	5.6	2.1	3.3	17.6	14.5	15.7
13	17.2	9.7	13.2	13.0	7.4	9.9	5.1	2.7	3.9	14.8	14.2	14.6
14	18.2	13.0	15.4	12.4	6.7	9.9	5.2	2.7	3.7	16.8	14.0	15.6
15	19.2	15.7	17.4	13.5	6.6	10.1	3.8	2.2	3.1	18.0	14.0	16.0
16	18.5	12.9	15.0	14.6	10.2	12.1	6.5	3.8	5.3	17.7	13.6	16.0
17	15.2	8.7	10.6	15.7	8.6	13.1	7.6	2.9	5.8	18.9	16.0	17.8
18	17.0	10.7	13.6	15.0	11.3	13.4	6.2	2.3	4.2	18.0	14.3	16.2
19	16.0	12.5	14.3	13.0	9.9	12.5	8.5	2.5	5.4	16.7	12.7	14.5
20	15.9	12.9	14.5	13.6	7.1	10.7	8.6	5.9	6.9	15.9	12.8	14.4
21	23.4	15.3	18.8	7.1	3.2	5.8	8.5	5.0	6.3	15.8	13.0	14.4
22	23.4	13.7	18.0	10.6	3.1	5.8	10.8	3.5	6.3	14.2	10.4	12.1
23	17.8	10.5	14.2	6.5	2.3	3.8	9.9	5.0	7.4	13.6	9.6	11.2
24	18.0	12.6	15.1	7.0	1.6	3.8	12.5	8.6	9.8	13.8	9.8	12.3
25	17.3	10.9	13.7	8.9	2.4	4.7	13.4	8.9	10.6	13.2	10.1	12.0
26	19.8	11.8	15.2	7.2	4.0	4.9	8.9	6.0	7.1	14.5	9.7	12.9
27	19.3	12.4	15.1	6.9	1.6	3.9	9.1	6.1	7.4	12.6	8.5	10.4
28	16.6	9.7	12.3	6.8	4.6	5.6	9.4	8.4	8.9	12.1	8.4	10.2
29	---	---	---	6.2	0.9	2.8	9.9	8.8	9.4	13.2	7.0	10.5
30	---	---	---	1.3	0.8	0.9	12.5	9.0	11.0	13.5	7.0	9.9
31	---	---	---	2.7	0.9	1.5	---	---	---	14.8	7.8	10.8
MONTH	23.4	6.6	14.1	17.4	0.8	9.2	13.4	1.0	5.8	22.4	7.0	14.1

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	11.5	6.5	9.0	11.5	5.0	8.2	4.3	3.0	3.6	17.2	13.8	14.8
2	13.5	6.1	9.8	6.7	3.9	5.1	4.2	2.5	3.2	16.5	13.5	14.5
3	15.4	10.3	13.0	5.5	3.4	4.1	4.2	2.2	3.0	17.2	12.8	14.3
4	14.3	8.8	11.7	3.9	3.1	3.4	8.5	2.0	3.8	15.6	11.1	13.5
5	14.7	8.7	12.0	3.4	2.7	2.9	8.9	2.4	5.1	14.7	10.9	12.5
6	15.4	9.1	13.0	3.2	2.3	2.7	9.0	1.8	4.5	13.7	10.9	12.0
7	11.6	6.2	8.5	2.7	2.4	2.5	6.5	1.2	3.5	13.9	10.9	12.4
8	9.9	4.6	6.1	3.1	1.6	2.5	8.1	1.1	3.6	14.5	11.5	13.3
9	10.7	3.9	6.8	4.0	1.6	2.5	7.0	1.7	4.6	14.7	13.0	13.8
10	9.1	4.5	6.7	3.9	1.5	2.6	8.6	3.4	5.5	14.0	13.2	13.7
11	9.7	4.7	6.9	5.0	1.4	2.9	8.4	4.1	6.5	13.5	12.9	13.2
12	8.3	4.7	6.6	5.7	1.7	3.6	9.9	5.3	7.5	14.4	12.9	13.4
13	8.1	4.6	6.2	8.7	2.8	5.7	9.2	6.3	7.6	15.0	13.5	14.0
14	7.5	4.1	5.6	13.0	5.5	8.9	8.6	6.6	7.5	13.5	11.7	12.6
15	7.2	3.5	5.2	13.9	10.2	11.9	13.5	6.1	8.6	12.7	11.7	12.1
16	6.5	3.5	5.1	11.6	9.3	10.4	11.7	9.9	10.3	13.0	12.0	12.5
17	5.9	3.3	4.6	9.6	6.8	8.3	13.6	10.4	12.1	14.3	12.5	13.4
18	6.1	3.8	5.0	7.3	5.5	6.3	10.7	7.0	8.8	14.4	12.6	13.4
19	5.8	4.6	5.2	5.9	4.5	4.9	12.5	8.1	9.8	14.4	11.8	13.2
20	5.3	3.2	3.9	---	---	---	12.4	6.8	9.6	13.6	11.7	12.6
21	3.2	1.9	2.4	---	---	---	---	5.1	---	14.8	11.7	13.5
22	1.9	1.4	1.7	---	---	---	13.5	7.0	9.6	14.7	11.1	13.4
23	1.8	1.2	1.4	---	---	---	14.4	7.6	10.6	13.2	11.0	12.0
24	4.2	1.2	2.0	---	---	---	15.2	7.8	11.8	14.6	11.5	13.4
25	3.7	1.3	2.2	---	---	---	13.9	8.1	11.7	14.2	13.1	13.5
26	5.1	1.3	2.7	---	---	---	14.7	10.2	12.6	15.7	13.8	14.8
27	5.4	1.3	3.2	---	---	---	14.6	11.0	13.0	15.6	14.1	15.0
28	6.5	1.5	3.3	---	---	---	14.6	11.5	13.1	14.7	10.7	12.3
29	10.5	1.9	5.8	---	---	---	13.5	12.4	13.1	11.8	10.0	11.0
30	17.9	5.3	11.3	---	---	---	19.2	12.6	15.7	12.6	11.7	12.2
31	---	---	---	7.9	2.6	4.9	17.2	13.5	14.6	---	---	---
MONTH	17.9	1.2	6.2	---	---	---	---	1.1	---	17.2	10.0	13.2

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.8	27.3	27.9	---	---	---	13.9	12.4	13.0	14.6	13.1	13.8
2	28.6	26.9	27.9	---	---	---	14.0	12.0	13.1	14.1	12.3	13.6
3	---	---	---	---	---	---	---	---	---	12.7	11.4	12.0
4	---	---	---	---	---	---	---	---	---	12.4	10.7	11.7
5	---	---	---	---	---	---	---	---	---	13.6	11.3	12.2
6	---	---	---	---	---	---	---	---	---	14.2	12.1	13.1
7	---	---	---	---	---	---	---	---	---	13.5	12.0	12.6
8	---	---	---	---	---	---	---	---	---	13.5	11.7	12.5
9	---	---	---	---	---	---	---	---	---	14.5	12.1	13.2
10	---	---	---	---	---	---	---	---	---	15.2	13.3	14.4
11	---	---	---	---	---	---	---	---	---	13.7	11.4	12.4
12	---	---	---	---	---	---	---	---	---	11.8	9.4	10.3
13	---	---	---	---	---	---	12.9	11.9	12.4	10.3	8.7	9.5
14	---	---	---	19.0	17.2	18.1	13.1	11.6	12.5	10.6	8.8	9.6
15	---	---	---	19.2	18.1	18.6	13.7	11.6	12.6	10.7	9.2	9.9
16	---	---	---	18.2	14.4	16.3	14.3	12.4	13.3	11.7	10.0	10.6
17	---	---	---	16.0	13.3	14.6	15.3	13.5	14.3	10.2	8.1	8.9
18	---	---	---	16.2	14.1	15.4	17.0	14.3	15.8	9.0	7.3	8.2
19	---	---	---	17.0	15.4	16.1	18.0	16.2	17.1	9.9	7.6	8.6
20	---	---	---	16.9	16.2	16.6	16.6	15.3	16.1	11.7	8.5	10.2
21	---	---	---	17.5	16.0	16.7	16.0	14.7	15.4	13.3	10.2	11.9
22	---	---	---	16.9	15.1	16.0	17.6	15.2	16.3	14.1	11.9	13.2
23	---	---	---	15.5	14.0	14.7	17.6	16.6	17.1	13.5	8.1	10.9
24	---	---	---	15.7	13.8	14.8	17.7	15.4	17.2	9.0	5.6	7.6
25	---	---	---	16.9	14.8	15.8	15.4	12.0	13.0	8.6	6.4	7.7
26	---	---	---	17.4	15.8	16.6	12.3	10.6	11.3	8.6	7.6	8.1
27	---	---	---	16.8	13.6	15.2	11.5	10.5	10.9	9.7	8.0	8.7
28	---	---	---	13.7	12.3	13.0	12.3	10.4	11.3	10.2	8.7	9.5
29	---	---	---	13.7	11.7	12.8	13.7	11.6	12.6	12.6	9.8	11.4
30	---	---	---	14.1	13.3	13.7	14.4	13.2	13.8	13.4	11.5	12.6
31	---	---	---	---	---	---	15.3	14.3	14.8	14.1	12.4	13.1
MONTH	---	---	---	---	---	---	---	---	---	15.2	5.6	11.0
FEBRUARY			MARCH			APRIL			MAY			
1	14.7	12.7	13.4	15.6	15.0	15.4	18.6	15.4	16.8	28.5	25.2	26.3
2	15.7	12.9	14.2	16.4	15.0	15.6	19.5	17.0	18.0	28.3	26.3	27.2
3	16.5	13.9	15.3	15.6	13.9	14.7	20.5	18.1	19.2	29.3	27.2	28.1
4	16.5	15.2	15.8	15.6	13.7	14.6	22.2	19.7	20.8	29.0	27.6	28.3
5	15.2	13.2	14.1	17.5	15.1	16.3	24.0	21.3	22.3	28.7	27.1	27.8
6	14.6	13.3	13.8	18.6	17.3	17.7	24.9	23.0	23.9	28.4	26.9	27.7
7	14.1	10.3	12.4	19.2	17.2	17.9	25.3	23.9	24.5	28.3	26.8	27.5
8	11.6	9.9	10.8	19.0	18.0	18.5	24.4	21.3	23.2	28.6	26.8	27.6
9	11.8	10.6	11.1	20.7	18.9	19.4	21.3	14.6	18.0	28.8	26.9	27.9
10	13.5	11.5	12.4	21.6	19.8	20.7	17.1	12.7	14.7	28.9	27.1	27.9
11	13.8	11.9	13.0	21.1	20.4	20.7	17.3	14.5	15.9	28.8	27.1	27.9
12	15.9	13.1	14.1	21.9	20.3	21.0	19.7	16.4	17.8	28.8	27.6	28.1
13	16.3	14.5	15.2	22.9	21.5	22.1	21.4	18.0	19.4	29.6	27.3	28.1
14	17.8	15.0	16.5	22.8	21.2	22.0	22.6	19.9	21.0	29.2	27.2	28.1
15	18.6	16.3	17.6	23.7	21.7	22.4	23.9	21.3	22.5	29.1	27.3	28.3
16	18.1	15.8	17.4	22.5	21.7	22.1	24.1	21.7	22.9	29.8	27.6	28.5
17	15.8	13.7	14.5	22.1	21.2	21.7	24.9	22.7	23.8	29.2	27.5	28.3
18	15.3	13.1	14.3	22.8	21.2	22.1	26.6	23.8	24.7	29.1	27.3	28.0
19	16.2	13.8	14.9	22.9	21.5	22.2	26.4	24.4	25.3	29.2	27.5	28.3
20	17.6	15.6	16.6	22.3	21.3	22.0	26.1	24.4	25.3	29.8	27.8	28.7
21	18.9	17.0	18.2	21.3	19.7	20.4	26.3	24.8	25.5	29.7	27.7	28.8
22	18.9	15.8	17.4	21.8	18.8	20.0	26.2	24.6	25.4	28.8	26.7	27.7
23	16.9	14.8	15.9	21.4	19.5	20.5	25.1	23.9	24.4	28.4	25.1	26.8
24	18.4	15.9	17.1	22.2	19.9	21.0	24.5	23.5	24.0	28.9	26.5	27.5
25	17.8	16.5	17.0	22.0	20.4	21.3	25.1	23.7	24.3	29.2	27.2	28.0
26	16.9	16.2	16.6	21.6	20.3	21.1	25.1	23.5	24.3	29.6	27.4	28.5
27	16.8	16.0	16.3	21.8	19.5	20.6	26.5	23.2	24.4	29.3	27.6	28.4
28	16.0	15.3	15.6	22.8	20.8	21.8	26.2	23.6	24.8	28.6	25.8	27.3
29	---	---	---	22.4	16.4	19.8	26.0	24.4	25.0	28.4	26.5	27.5
30	---	---	---	16.4	14.3	15.3	26.8	24.5	25.2	29.2	26.6	27.8
31	---	---	---	16.6	13.7	15.0	---	---	---	29.0	26.8	27.8
MONTH	18.9	9.9	15.1	23.7	13.7	19.5	26.8	12.7	22.2	29.8	25.1	27.9

07381349 CAILLOU LAKE (Sister Lake) SOUTHWEST OF DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.3	26.9	28.0	27.9	26.3	27.0	31.1	29.1	29.8	30.2	28.6	29.2
2	30.3	27.8	28.8	28.2	27.2	27.5	30.3	29.1	29.5	31.1	29.2	30.0
3	29.5	27.6	28.5	27.7	26.7	27.2	30.6	28.6	29.5	32.1	30.2	31.0
4	29.4	28.3	28.6	27.5	27.0	27.2	31.3	29.4	30.3	32.5	30.9	31.4
5	29.2	27.7	28.4	28.9	26.8	27.6	32.1	29.8	30.8	31.1	29.0	30.3
6	28.7	27.8	28.2	28.3	27.2	27.7	31.8	30.5	31.1	30.2	28.1	29.0
7	29.8	27.6	28.5	28.8	27.2	27.9	30.8	30.1	30.5	30.5	28.6	29.4
8	31.4	28.9	29.9	29.8	27.9	28.7	32.0	29.8	30.7	30.8	29.3	29.9
9	32.1	29.8	31.0	31.1	28.7	29.7	32.5	30.3	31.2	30.0	28.7	29.1
10	31.5	29.8	30.7	31.5	29.7	30.5	32.6	30.7	31.4	30.1	28.0	28.8
11	30.6	29.3	29.9	31.7	29.8	30.7	32.0	30.6	31.1	30.0	28.2	29.0
12	30.0	28.7	29.4	31.8	30.0	30.8	30.7	29.1	29.8	29.2	28.2	28.7
13	30.4	28.6	29.5	31.0	29.8	30.4	29.1	28.1	28.6	29.1	28.1	28.6
14	31.1	29.1	30.0	29.9	27.8	28.6	29.9	27.3	28.4	30.0	28.1	29.0
15	31.3	29.4	30.2	29.1	27.1	28.0	29.2	28.1	28.8	29.9	28.9	29.3
16	30.6	29.1	29.8	31.1	28.3	29.0	29.1	28.3	28.7	29.3	27.6	28.5
17	29.7	28.2	28.9	30.0	28.3	29.4	29.9	28.8	29.4	28.8	27.2	28.0
18	31.1	28.1	29.2	30.1	27.7	28.6	31.0	28.8	29.9	29.2	27.5	28.4
19	29.9	29.0	29.4	29.7	28.2	29.0	31.2	29.3	30.2	29.6	28.4	28.9
20	29.1	27.8	28.4	30.0	29.0	29.5	31.2	29.7	30.5	28.8	27.6	28.3
21	27.8	27.0	27.5	30.7	28.4	29.5	31.4	30.2	30.7	27.7	27.0	27.4
22	29.6	27.2	28.1	30.9	29.1	29.9	30.9	29.8	30.3	27.4	26.8	27.1
23	32.0	28.8	29.9	30.2	29.2	29.8	31.3	29.6	30.4	27.5	26.1	26.7
24	31.6	29.6	30.7	29.6	28.4	29.0	31.2	30.3	30.7	28.0	26.8	27.4
25	31.3	30.2	30.6	30.4	28.4	29.3	30.7	29.4	30.2	28.1	26.6	27.4
26	30.6	29.7	30.2	31.5	29.3	30.2	31.3	29.1	29.9	29.4	27.3	28.2
27	30.4	29.4	29.7	31.4	29.8	30.5	31.5	30.0	30.5	29.9	28.4	29.1
28	31.2	28.8	29.8	31.0	30.0	30.5	31.7	30.1	30.8	29.4	25.8	27.8
29	30.3	28.8	29.7	30.5	29.8	30.1	30.8	29.6	30.2	25.8	23.4	24.3
30	28.8	26.8	27.6	31.1	29.1	29.9	29.6	28.6	29.1	23.4	21.5	22.4
31	---	---	---	30.9	29.5	30.0	29.4	28.0	28.7	---	---	---
MONTH	32.1	26.8	29.3	31.8	26.3	29.2	32.6	27.3	30.1	32.5	21.5	28.4

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA

LOCATION.--Lat 29°04'41", long 90°52'17", T. 21 S., R. 15 E., Terrebonne Parish, Hydrologic Unit 08090302, installed on manned oil platform 24 miles southwest of Bayou DuLarge and 28 miles southwest of Dulac, La.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 9.94 ft, Oct. 3, 2002; minimum recorded gage height, -1.88 ft, Jan. 8, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.94 ft, Oct. 3; minimum gage height, -1.17 ft, June 15.

[illegible]

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	1.44	-0.09	0.76	0.64	0.02	0.28	1.63	0.03	1.01
2	---	---	---	1.29	-0.20	0.63	0.59	0.12	0.41	1.56	0.01	0.84
3	---	---	---	1.39	0.18	0.82	1.04	0.27	0.74	1.53	-0.47	0.70
4	---	---	---	2.13	0.96	1.36	1.46	0.15	0.89	1.57	-0.27	0.83
5	---	---	---	1.56	1.11	1.30	1.43	0.22	0.92	1.99	0.07	1.17
6	---	---	---	1.40	0.49	1.02	1.75	0.20	1.18	1.87	0.05	1.05
7	---	---	---	1.30	0.48	1.01	1.87	-0.28	1.02	2.07	0.02	1.13
8	---	---	---	1.71	0.54	1.21	1.89	-0.28	1.04	1.90	-0.04	1.08
9	---	---	---	1.37	0.20	0.96	1.26	-0.37	0.45	1.82	0.16	1.02
10	---	---	---	1.63	0.10	0.95	1.22	-0.48	0.42	1.86	0.45	1.17
11	---	---	---	1.62	-0.07	0.94	1.33	-0.91	0.41	1.35	0.70	0.94
12	---	---	---	1.66	0.10	0.94	1.03	-0.87	0.24	0.87	0.26	0.54
13	---	---	---	1.69	-0.27	0.80	0.84	-0.46	0.37	1.11	0.18	0.68
14	---	---	---	1.54	-0.14	0.95	0.81	-0.17	0.29	1.32	-0.21	0.77
15	---	---	---	1.64	0.10	1.02	0.88	-0.01	0.31	1.63	-0.63	0.71
16	---	---	---	2.01	0.42	1.35	1.26	-0.04	0.79	1.68	-0.61	0.72
17	---	---	---	2.00	0.56	1.39	1.30	-0.68	0.66	2.16	-0.86	0.77
18	---	---	---	2.09	0.78	1.45	1.12	-0.73	0.45	1.57	-0.98	0.59
19	---	---	---	2.30	0.78	1.44	1.39	-0.78	0.69	1.70	-0.93	0.62
20	0.74	0.26	0.49	1.67	0.61	1.28	1.65	-0.92	0.63	1.50	-0.74	0.63
21	1.49	0.41	1.14	1.28	-0.52	0.69	1.53	-0.92	0.59	1.36	-0.35	0.60
22	1.56	-0.92	0.29	1.38	-0.54	0.75	1.66	-0.62	0.63	1.37	-0.40	0.65
23	1.46	-0.92	0.58	1.29	-0.52	0.54	1.59	-0.39	0.76	1.10	-0.14	0.59
24	1.29	-0.60	0.53	1.33	-0.52	0.61	1.92	0.11	1.07	1.22	0.32	0.74
25	1.77	-0.62	0.42	1.50	-0.50	0.75	1.38	0.19	0.85	1.11	0.49	0.77
26	1.90	-0.28	0.95	1.91	-0.30	0.75	1.33	-0.05	0.73	1.15	0.10	0.73
27	1.52	-0.42	0.70	2.07	-0.08	1.22	1.25	0.46	0.84	1.10	-0.08	0.66
28	1.38	-0.61	0.52	1.62	0.37	1.11	1.07	0.47	0.81	1.22	0.09	0.76
29	---	---	---	1.26	-0.33	0.41	1.32	0.61	0.97	1.20	-0.27	0.64
30	---	---	---	0.68	-0.33	0.08	1.54	0.42	1.09	1.28	-0.44	0.57
31	---	---	---	0.64	-0.02	0.26	---	---	---	1.28	-0.77	0.52
MONTH	---	---	---	2.30	-0.54	0.93	1.92	-0.92	0.68	2.16	-0.98	0.78
JUNE			JULY			AUGUST			SEPTEMBER			
1	1.26	-0.60	0.38	2.52	-0.19	1.01	1.19	0.13	0.71	2.02	0.91	1.43
2	1.61	-0.42	0.72	2.07	-0.04	1.10	1.16	0.40	0.80	2.05	0.27	1.21
3	1.73	-0.34	0.76	1.63	-0.13	1.02	1.14	0.61	0.84	1.73	-0.25	0.90
4	1.63	-0.30	0.76	1.56	0.11	0.91	1.24	0.12	0.76	1.57	-0.47	0.77
5	1.65	-0.01	1.00	1.36	0.35	0.88	1.31	-0.16	0.76	2.02	0.01	1.09
6	2.19	0.07	1.09	1.33	0.34	1.03	1.43	-0.31	0.70	2.37	0.08	1.31
7	1.42	-0.07	0.82	1.65	0.47	1.09	1.51	-0.58	0.63	2.25	-0.03	1.29
8	1.15	0.14	0.67	1.47	0.31	0.97	1.72	-0.22	0.86	2.05	0.11	1.25
9	1.24	0.18	0.67	1.78	-0.12	0.95	2.15	-0.51	1.06	2.16	0.66	1.46
10	1.25	-0.12	0.63	1.80	-0.56	0.81	2.12	-0.30	1.09	1.74	0.39	1.20
11	1.57	-0.46	0.67	1.93	-0.66	0.83	2.17	-0.14	1.15	1.57	0.78	1.24
12	1.87	-0.70	0.71	2.04	-0.48	0.93	2.17	0.46	1.42	1.73	1.21	1.48
13	1.70	-0.80	0.62	1.99	-0.15	1.16	2.28	0.87	1.59	1.83	1.06	1.39
14	2.16	-0.82	0.76	2.93	0.17	1.53	2.34	0.75	1.63	1.64	0.75	1.16
15	1.84	-1.17	0.78	2.29	0.08	1.33	2.19	1.16	1.72	1.73	0.72	1.23
16	1.75	-0.69	0.73	1.80	-0.01	1.05	1.69	1.32	1.52	1.90	0.97	1.43
17	1.76	-0.48	0.83	1.52	-0.21	0.82	1.58	1.03	1.36	1.90	0.76	1.36
18	1.65	-0.17	0.95	1.28	0.17	0.80	1.66	0.48	1.15	1.83	0.37	1.15
19	1.51	0.10	0.91	0.98	0.39	0.69	1.71	0.36	1.14	1.93	0.07	1.04
20	1.51	0.10	0.91	0.81	0.20	0.53	1.69	0.26	1.02	1.95	0.30	1.11
21	1.48	0.51	0.89	0.84	0.11	0.55	1.76	-0.34	0.76	2.19	0.33	1.37
22	1.15	0.49	0.87	0.97	-0.16	0.48	1.58	-0.09	0.84	2.20	0.23	1.32
23	1.20	0.31	0.85	1.10	-0.40	0.49	1.70	-0.04	0.96	1.94	0.43	1.35
24	1.49	0.13	0.85	1.03	-0.58	0.39	1.85	-0.17	0.98	2.07	0.55	1.42
25	1.58	0.05	0.87	1.19	-0.60	0.47	1.91	0.13	1.17	1.81	0.92	1.38
26	1.65	-0.09	1.00	1.43	-0.68	0.51	1.80	-0.09	1.02	1.69	0.99	1.37
27	1.94	-0.34	1.03	1.38	-0.59	0.56	1.87	-0.06	1.04	1.44	0.64	1.17
28	1.94	-0.27	1.08	1.53	-0.46	0.68	1.55	0.12	0.94	1.93	-0.15	1.07
29	2.25	0.42	1.42	1.60	-0.32	0.80	1.55	0.52	1.21	2.73	1.05	1.81
30	4.36	-0.32	2.21	---	---	---	2.01	1.49	1.72	3.07	1.09	1.99
31	---	---	---	---	---	---	1.96	1.40	1.72	---	---	---
MONTH	4.36	-1.17	0.88	---	---	---	2.34	-0.58	1.11	3.07	-0.47	1.29

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1999 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: June 1999 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 26 - Nov. 15, Jan. 11-16, April 8-17, June 27 - July 2, Aug. 5-15, and Aug.30 - Sept. 19 when records good; Oct. 3-17, Nov. 6-15, April 18-25, Aug. 16-21, Sept. 17-29 when records fair; Nov. 16-26, Jan. 17-31, April 26 - May 18, July 3-18, and Sept. 30 when records poor.

SALINITY: Records excellent except for Oct. 26 - Nov. 15, Jan. 11-16, April 8-17, June 27 - July 2, Aug. 5-15, and Aug.30 - Sept. 19 when records good; Oct. 3-17, Nov. 6-15, April 18-25, Aug. 16-21, Sept. 17-29 when records fair; Nov. 16-26, Jan. 17-31, April 26 - May 18, July 3-18, and Sept. 30 when records poor.

WATER TEMPERATURE: Records good except for Oct. 3 - Jan. 8, Jan. 12 - Feb. 19, July 5-30 when records fair.

EXTREMES FOR PERIOD OF DAILY REOCRD.--

SPECIFIC CONDUCTANCE: Maximum, 57,500 microsiemens/cm, Mar. 2, 2000; minimum, 9,080 microsiemens/cm, Apr. 12, 2003.

SALINITY: Maximum, 33.7 ppt, Nov. 24, 2002; Minimum, 5.1 ppt, April 12, 2003.

WATER TEMPERATURE: Maximum, 34.2°C, July 19, 21, 2002; minimum, 4.1°C, Jan. 30, 2000.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 51,400 microsiemens/cm, Nov. 24; minimum, 9,080 microsiemens/cm, Apr. 12.

SALINITY: Maximum, 33.7 ppt, Nov. 24; minimum, 5.1 ppt, Apr. 12.

WATER TEMPERATURE: Maximum, 33.1°C, June 28; minimum, 8.1°C, Jan. 18.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	46,400	40,600	43,900	18,300	17,000	17,500	31,300	27,500	29,700
2	---	---	---	45,000	41,700	43,200	29,000	17,400	22,000	30,900	29,500	30,200
3	---	---	---	43,400	39,400	41,400	31,000	26,600	28,400	31,000	29,500	30,300
4	---	---	---	44,100	41,100	43,200	33,400	28,600	30,300	31,900	29,900	30,900
5	---	---	---	43,700	39,300	41,500	32,200	28,200	30,300	33,200	31,700	32,500
6	---	---	---	39,700	37,400	38,600	34,100	29,800	32,200	32,800	31,300	32,100
7	---	---	---	39,700	37,700	38,900	35,200	30,900	33,900	31,900	30,200	31,000
8	---	---	---	38,000	36,300	37,000	33,800	26,900	31,000	32,200	30,100	31,400
9	---	---	---	36,900	35,600	36,400	29,200	16,500	25,000	32,400	27,800	29,500
10	---	---	---	36,000	34,000	35,300	29,300	15,800	21,400	32,300	28,200	30,800
11	---	---	---	34,800	32,100	33,200	25,600	9,610	17,500	36,600	31,400	34,400
12	---	---	---	34,300	32,300	33,500	14,100	9,080	10,900	36,600	35,100	35,900
13	---	---	---	33,700	30,400	32,000	14,900	10,300	12,000	35,900	33,000	35,000
14	---	---	---	32,900	29,800	31,300	18,700	13,300	15,800	37,300	32,500	36,300
15	---	---	---	31,800	29,300	30,000	30,400	18,400	21,000	38,800	36,400	37,500
16	---	---	---	30,400	28,100	29,400	30,500	23,500	26,600	39,300	36,900	38,300
17	---	---	---	30,200	27,500	29,000	25,400	19,600	22,700	39,300	36,600	37,700
18	---	---	---	30,100	25,800	28,400	23,000	17,500	19,700	39,600	38,400	39,200
19	---	---	---	27,500	25,300	26,300	32,000	22,100	28,900	---	---	---
20	43,400	41,200	42,600	29,300	26,000	27,400	29,700	26,900	28,400	---	---	---
21	44,100	42,200	43,400	29,500	25,800	28,100	28,900	23,100	26,400	---	---	---
22	45,100	42,800	43,900	34,600	25,800	31,000	29,000	24,100	25,900	---	---	---
23	44,100	41,600	42,500	31,100	22,100	26,600	31,500	26,600	29,500	---	---	---
24	43,300	41,700	42,600	37,500	21,800	30,400	31,700	26,500	29,500	---	---	---
25	45,400	40,300	43,100	34,500	29,600	31,100	31,600	26,900	30,000	---	---	---
26	44,700	39,100	42,800	30,700	29,100	30,000	29,800	23,800	26,200	---	---	---
27	44,500	41,300	42,600	30,200	28,400	29,600	28,700	24,100	27,400	41,800	40,400	41,400
28	44,200	40,400	42,300	30,000	29,700	29,800	31,200	27,800	29,200	40,400	39,200	39,800
29	---	---	---	29,800	27,200	28,600	29,800	27,800	28,500	40,500	38,300	39,600
30	---	---	---	27,900	13,500	21,500	31,000	28,100	28,800	40,800	34,800	38,400
31	---	---	---	21,100	16,200	18,700	---	---	---	38,600	33,900	36,900
MONTH	---	---	---	46,400	13,500	32,400	35,200	9,080	25,200	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	37,600	32,500	35,300	33,400	21,600	28,000	29,500	22,700	26,100	35,700	34,200	35,100
2	36,700	31,000	34,300	32,000	24,600	28,400	27,900	23,600	25,400	35,000	33,200	34,100
3	34,400	26,800	30,600	28,500	17,800	23,000	27,800	25,000	26,300	35,100	33,100	34,100
4	30,500	24,900	28,000	28,700	19,000	24,100	25,100	22,600	23,600	35,100	32,300	33,700
5	32,200	27,900	30,700	27,000	23,500	25,800	23,100	19,500	20,800	35,000	31,800	33,500
6	32,700	30,600	31,300	29,600	26,000	27,700	20,200	17,400	19,000	37,100	32,300	34,400
7	31,100	28,000	29,600	29,500	21,800	25,200	26,200	16,700	18,600	36,600	33,900	35,000
8	28,700	27,100	27,900	27,500	21,100	23,200	36,100	21,600	27,300	36,600	35,300	36,200
9	27,100	22,700	25,400	26,300	22,900	24,700	36,900	29,100	33,800	38,400	34,700	36,700
10	26,000	23,000	24,600	28,900	22,100	25,700	39,800	35,200	37,300	37,900	34,000	36,700
11	28,400	22,700	25,200	29,400	23,100	27,000	39,800	33,100	38,100	36,900	32,800	34,800
12	28,200	24,600	26,600	31,300	26,100	28,400	41,600	35,900	38,500	36,400	33,600	35,200
13	28,600	25,900	27,500	36,800	25,700	31,000	43,300	37,800	40,000	36,300	35,200	35,700
14	28,600	26,700	27,600	35,600	26,100	31,100	41,700	38,800	40,000	36,000	32,700	34,400
15	29,300	25,800	28,100	39,400	24,900	33,800	39,500	33,200	37,000	34,400	31,800	32,900
16	29,900	26,600	28,200	35,600	29,800	32,800	38,800	32,500	35,900	33,800	30,600	31,700
17	32,300	29,100	30,500	37,000	27,600	32,400	37,100	33,700	35,700	33,700	30,100	31,800
18	33,200	30,000	31,600	37,100	26,200	31,100	36,700	32,000	34,000	34,700	30,600	32,200
19	33,200	25,500	30,700	---	---	---	37,100	32,600	35,500	34,800	31,000	32,500
20	32,300	28,700	30,200	---	---	---	36,600	33,000	35,100	34,900	31,200	33,200
21	32,300	29,200	30,800	---	---	---	36,400	32,700	34,000	34,200	31,400	32,800
22	31,500	28,200	30,300	---	---	---	37,900	32,500	35,400	35,100	30,900	33,200
23	31,100	24,200	28,600	---	---	---	37,000	34,800	35,700	38,000	31,900	34,100
24	32,000	21,400	26,900	---	---	---	37,400	34,200	35,800	38,300	34,200	35,800
25	33,800	27,000	30,600	---	---	---	37,800	34,000	35,700	37,700	33,300	35,500
26	33,900	30,100	31,800	---	---	---	36,100	34,100	35,400	37,900	33,100	36,200
27	32,800	25,500	30,100	---	---	---	36,100	33,600	35,000	38,800	35,700	37,700
28	31,900	27,300	29,900	---	---	---	37,000	33,500	35,300	38,400	33,900	36,200
29	36,400	29,200	31,300	---	---	---	37,300	35,100	36,400	39,200	30,400	34,700
30	35,700	28,700	30,600	---	---	---	37,500	34,900	36,500	38,400	31,300	35,300
31	---	---	---	---	---	---	36,700	35,500	36,000	---	---	---
MONTH	37,600	21,400	29,500	---	---	---	43,300	16,700	32,900	39,200	30,100	34,500

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.2	21.2	24.3	25.0	21.1	23.4	---	---	---	---	---	---
2	26.1	21.0	23.5	28.2	21.0	25.2	---	---	---	---	---	---
3	29.9	24.4	27.3	28.0	27.1	27.3	---	---	---	---	---	---
4	29.8	24.9	28.2	27.7	26.0	27.1	---	---	---	---	---	---
5	27.4	23.1	25.3	28.2	26.7	27.5	---	---	---	---	---	---
6	26.6	22.0	23.5	27.4	23.2	24.6	---	---	---	---	---	---
7	24.1	21.2	22.4	28.7	21.5	24.6	---	---	---	---	---	---
8	25.0	21.1	22.7	29.6	23.8	25.9	---	---	---	---	---	---
9	26.7	20.9	23.7	30.1	26.2	27.6	---	---	---	22.5	11.4	15.5
10	23.9	20.9	22.2	31.9	27.3	29.1	---	---	---	22.0	13.3	15.4
11	23.5	21.0	22.3	29.9	28.3	29.1	---	---	---	25.4	13.0	20.9
12	24.4	20.3	22.3	29.5	24.2	26.3	---	---	---	26.0	21.5	24.6
13	24.2	21.9	22.9	28.2	23.1	25.8	---	---	---	28.5	25.5	27.3
14	24.5	20.8	22.4	27.9	23.6	25.6	---	---	---	30.3	22.5	27.4
15	24.1	20.9	22.8	26.6	23.4	25.2	---	---	---	31.4	23.0	28.2
16	23.4	20.6	22.1	24.9	22.4	23.4	---	---	---	31.4	25.8	28.4
17	---	---	---	24.2	16.8	19.3	---	---	---	27.2	18.7	22.8
18	---	---	---	22.6	20.0	21.7	---	---	---	20.2	18.4	19.1
19	---	---	---	23.6	20.6	22.0	---	---	---	19.6	18.0	18.8
20	---	---	---	28.8	21.0	23.7	---	---	---	19.0	17.9	18.5
21	24.9	22.5	23.6	25.9	19.6	23.4	---	---	---	19.7	18.1	18.4
22	24.8	22.6	23.4	23.9	19.2	21.9	---	---	---	19.9	15.9	18.6
23	28.5	23.5	26.4	29.1	21.5	25.5	---	---	---	15.9	15.3	15.4
24	26.6	23.5	24.8	33.7	26.6	29.8	---	---	---	15.5	15.3	15.3
25	27.3	23.8	26.2	33.5	28.3	30.7	---	---	---	15.7	15.5	15.5
26	27.4	22.9	24.8	32.5	28.0	30.3	---	---	---	15.9	15.6	15.8
27	27.3	24.2	26.3	---	---	---	---	---	---	16.2	15.9	16.0
28	27.5	26.2	27.0	---	---	---	---	---	---	16.5	16.2	16.3
29	27.7	24.2	26.3	---	---	---	---	---	---	17.7	16.5	17.0
30	26.3	23.9	25.1	---	---	---	---	---	---	19.0	17.7	18.4
31	26.1	20.7	23.9	---	---	---	---	---	---	20.4	19.0	19.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	30.1	25.9	28.3	10.8	10.0	10.3	19.4	16.9	18.3
2	---	---	---	29.1	26.7	27.8	17.9	10.2	13.2	19.2	18.2	18.7
3	---	---	---	28.0	25.1	26.5	19.2	16.3	17.5	19.2	18.2	18.8
4	---	---	---	28.4	26.3	27.8	20.9	17.6	18.8	19.9	18.5	19.2
5	---	---	---	28.2	25.0	26.6	20.1	17.4	18.8	20.7	19.7	20.3
6	---	---	---	25.3	23.7	24.5	21.4	18.4	20.1	20.5	19.4	20.0
7	---	---	---	25.3	23.9	24.8	22.1	19.2	21.2	19.9	18.7	19.2
8	---	---	---	24.1	22.9	23.4	21.2	16.4	19.3	20.1	18.7	19.5
9	---	---	---	23.4	22.4	23.0	18.0	9.7	15.2	20.2	17.1	18.2
10	---	---	---	22.7	21.3	22.2	18.1	9.2	12.8	20.2	17.4	19.1
11	---	---	---	21.9	20.0	20.7	15.6	5.4	10.3	23.1	19.5	21.6
12	---	---	---	21.5	20.2	20.9	8.1	5.1	6.2	23.1	22.1	22.6
13	---	---	---	21.1	18.9	19.9	8.7	5.8	6.8	22.6	20.6	22.0
14	---	---	---	20.6	18.4	19.4	11.1	7.6	9.2	23.6	20.3	22.9
15	---	---	---	19.8	18.1	18.5	18.9	10.9	12.6	24.7	23.0	23.7
16	---	---	---	18.9	17.3	18.2	18.9	14.2	16.3	25.0	23.4	24.3
17	---	---	---	18.7	16.9	17.9	15.5	11.7	13.7	25.0	23.1	23.9
18	---	---	---	18.7	15.8	17.5	13.9	10.3	11.7	25.2	24.4	24.9
19	---	---	---	16.9	15.4	16.1	19.9	13.3	17.8	---	---	---
20	28.0	26.4	27.3	18.1	15.9	16.8	18.4	16.4	17.5	---	---	---
21	28.4	27.1	28.0	18.2	15.8	17.3	17.8	13.9	16.2	---	---	---
22	29.2	27.5	28.3	21.8	15.8	19.3	17.9	14.6	15.8	---	---	---
23	28.4	26.7	27.3	19.3	13.3	16.3	19.6	16.3	18.2	---	---	---
24	27.9	26.7	27.3	23.7	13.1	18.9	19.7	16.2	18.2	---	---	---
25	29.4	25.7	27.7	21.7	18.3	19.3	19.6	16.4	18.6	---	---	---
26	28.8	24.9	27.5	19.0	17.9	18.6	18.4	14.4	16.0	---	---	---
27	28.7	26.5	27.4	18.7	17.5	18.3	17.7	14.6	16.8	26.8	25.8	26.5
28	28.5	25.8	27.1	18.6	18.4	18.5	19.4	17.1	18.0	25.8	25.0	25.4
29	---	---	---	18.4	16.6	17.6	18.4	17.1	17.6	25.9	24.3	25.2
30	---	---	---	17.2	7.8	13.0	19.2	17.3	17.8	26.1	21.9	24.4
31	---	---	---	12.6	9.4	11.0	---	---	---	24.5	21.2	23.3
MONTH	---	---	---	30.1	7.8	20.3	22.1	5.1	15.4	---	---	---

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.8	20.3	22.2	20.9	13.0	17.2	18.2	13.7	15.9	22.5	21.5	22.1
2	23.2	19.2	21.5	19.9	14.9	17.5	17.2	14.3	15.4	22.0	20.7	21.4
3	21.6	16.4	19.0	17.5	10.5	13.9	17.1	15.2	16.1	22.1	20.7	21.4
4	18.9	15.1	17.2	17.7	11.3	14.6	15.3	13.6	14.3	22.1	20.2	21.1
5	20.1	17.2	19.1	16.5	14.2	15.7	13.9	11.6	12.4	22.0	19.8	21.0
6	20.4	19.0	19.5	18.3	15.9	17.0	12.0	10.2	11.3	23.5	20.2	21.6
7	19.3	17.2	18.3	18.2	13.1	15.4	16.0	9.8	11.0	23.1	21.2	22.0
8	17.7	16.6	17.2	16.9	12.6	14.0	22.8	13.0	16.7	23.1	22.2	22.8
9	16.6	13.7	15.4	16.1	13.8	15.0	23.4	17.9	21.2	24.4	21.8	23.2
10	15.9	13.9	15.0	17.8	13.3	15.7	25.4	22.1	23.6	24.0	21.3	23.2
11	17.5	13.7	15.3	18.1	13.9	16.5	25.4	20.7	24.2	23.4	20.5	21.9
12	17.4	14.9	16.3	19.4	15.9	17.5	26.7	22.6	24.4	23.0	21.0	22.1
13	17.6	15.8	16.8	23.3	15.7	19.3	27.9	23.9	25.5	22.9	22.1	22.5
14	17.6	16.3	16.9	22.4	15.9	19.3	26.7	24.7	25.5	22.7	20.4	21.6
15	18.1	15.8	17.3	25.1	15.1	21.2	25.2	20.7	23.4	21.6	19.8	20.6
16	18.5	16.3	17.4	22.4	18.4	20.5	24.7	20.3	22.6	21.2	19.0	19.8
17	20.2	17.9	18.9	23.4	16.9	20.2	23.5	21.1	22.5	21.1	18.7	19.8
18	20.7	18.6	19.7	23.5	16.3	19.3	23.2	19.9	21.3	21.8	19.0	20.1
19	20.7	15.5	19.0	---	---	---	23.5	20.4	22.4	21.9	19.2	20.3
20	20.2	17.7	18.7	---	---	---	23.1	20.6	22.1	21.9	19.4	20.8
21	20.2	18.0	19.1	---	---	---	23.0	20.4	21.3	21.5	19.5	20.5
22	19.6	17.4	18.8	---	---	---	24.0	20.3	22.3	22.1	19.2	20.7
23	19.3	14.7	17.6	---	---	---	23.4	21.9	22.5	24.1	19.9	21.4
24	19.9	12.9	16.5	---	---	---	23.7	21.5	22.5	24.3	21.5	22.6
25	21.2	16.5	19.0	---	---	---	23.9	21.3	22.5	23.9	20.8	22.4
26	21.2	18.7	19.8	---	---	---	22.8	21.4	22.2	24.0	20.7	22.8
27	20.5	15.5	18.7	---	---	---	22.8	21.0	22.0	24.7	22.5	23.9
28	19.9	16.7	18.5	---	---	---	23.4	20.9	22.2	24.4	21.2	22.8
29	23.0	18.0	19.4	---	---	---	23.6	22.1	23.0	25.0	18.9	21.8
30	22.5	17.7	18.9	---	---	---	23.7	21.9	23.1	24.4	19.4	22.2
31	---	---	---	---	---	---	23.2	22.3	22.7	---	---	---
MONTH	23.8	12.9	18.2	---	---	---	27.9	9.8	20.6	25.0	18.7	21.7

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	29.1	27.4	28.1	22.6	20.8	21.7	14.5	13.5	14.1	14.8	13.0	13.8
2	28.4	27.1	27.6	20.8	19.5	20.0	16.0	13.0	14.5	14.2	12.7	13.7
3	27.3	26.4	26.9	21.2	19.6	20.4	16.6	14.8	15.6	12.7	11.3	11.9
4	28.8	26.5	27.5	21.7	21.0	21.4	18.5	15.9	17.0	14.5	10.2	11.9
5	28.6	27.3	27.8	22.6	21.2	22.1	17.8	13.4	15.4	14.4	11.5	12.9
6	29.4	27.0	28.0	21.2	18.6	19.7	13.4	10.5	12.5	14.7	13.1	14.1
7	30.6	27.8	28.9	19.7	17.0	18.2	13.2	10.9	12.2	14.3	12.4	13.3
8	29.4	28.2	28.7	20.6	17.8	19.0	12.7	11.3	12.1	13.6	12.3	13.0
9	28.5	27.4	28.0	21.2	19.5	20.3	13.5	11.9	12.5	15.6	12.8	13.7
10	28.5	26.8	27.5	23.0	20.8	21.8	12.5	11.8	12.3	15.1	13.9	14.5
11	28.0	26.5	27.2	23.0	22.3	22.6	12.7	11.8	12.2	14.1	12.0	12.9
12	27.3	26.2	26.6	22.3	19.5	21.1	13.3	12.2	12.7	12.0	9.3	10.7
13	26.6	24.6	25.6	19.5	16.3	18.0	13.3	12.2	12.8	10.9	9.0	10.1
14	24.7	23.1	23.8	18.1	16.9	17.6	13.3	11.7	12.2	10.8	9.4	10.1
15	23.4	22.6	23.1	19.2	17.8	18.5	12.6	11.6	12.1	11.6	9.4	10.5
16	22.6	21.2	21.6	18.5	15.2	16.9	13.8	11.8	13.0	11.6	10.2	11.0
17	---	---	---	15.4	14.4	14.9	15.2	13.5	14.3	10.2	8.6	9.4
18	---	---	---	16.1	14.5	15.5	16.8	15.0	15.9	9.7	8.1	8.8
19	---	---	---	17.3	15.9	16.6	17.3	16.2	16.7	10.4	8.5	9.4
20	---	---	---	18.3	16.9	17.4	16.5	15.3	15.7	11.9	9.9	10.7
21	25.2	23.8	24.4	18.2	16.8	17.5	15.5	14.1	15.0	12.9	11.3	12.0
22	25.0	24.3	24.7	17.6	16.1	16.9	17.1	15.2	16.0	13.2	12.1	12.5
23	24.4	23.9	24.2	16.8	14.3	15.8	17.2	16.1	16.8	13.1	11.4	12.2
24	25.1	23.4	24.2	17.6	15.4	16.3	17.7	15.5	16.9	11.4	9.8	10.2
25	24.8	24.0	24.5	18.2	16.5	17.4	15.5	13.1	14.1	9.8	9.2	9.4
26	24.7	24.2	24.4	18.4	17.4	17.9	13.1	10.9	12.0	10.2	9.5	9.7
27	26.6	24.1	25.0	18.3	14.9	16.6	12.3	11.0	11.8	10.9	10.1	10.3
28	26.8	25.4	26.1	14.9	13.5	14.3	12.9	11.6	12.3	11.8	10.9	11.4
29	26.6	24.8	25.7	14.4	12.7	13.7	14.4	12.3	13.2	12.7	11.8	12.2
30	25.3	24.4	24.8	14.8	13.9	14.5	15.3	13.6	14.4	13.6	12.7	13.1
31	24.7	22.5	23.3	---	---	---	16.0	14.1	15.2	13.9	13.5	13.7
MONTH	---	---	---	23.0	12.7	18.2	18.5	10.5	14.0	15.6	8.1	11.7
FEBRUARY				MARCH			APRIL			MAY		
1	14.2	13.4	13.8	16.4	15.6	16.0	17.9	15.8	16.8	27.8	24.8	26.0
2	14.1	13.8	13.9	16.8	15.7	16.2	19.4	17.4	18.3	28.5	25.8	26.9
3	14.6	14.1	14.3	16.6	14.7	15.5	20.8	18.9	19.5	29.8	26.6	27.9
4	15.0	14.6	14.8	16.2	14.6	15.5	21.9	19.5	20.7	29.1	27.0	28.0
5	15.0	14.8	14.9	17.4	16.0	16.7	23.6	20.8	22.0	28.2	26.9	27.5
6	14.8	14.7	14.7	18.9	17.3	17.9	24.4	21.9	23.0	28.1	26.6	27.5
7	14.7	14.4	14.6	18.8	17.3	18.0	25.2	22.9	23.7	28.3	26.8	27.6
8	14.4	13.6	13.9	18.7	17.8	18.1	24.0	21.5	23.0	28.6	26.9	27.8
9	13.6	13.4	13.5	20.3	18.1	19.2	21.5	16.7	19.2	29.1	27.0	28.2
10	13.5	13.4	13.4	21.0	19.4	20.1	17.1	15.4	16.4	29.4	27.5	28.4
11	13.8	13.5	13.6	20.4	18.7	19.5	17.6	15.8	16.7	28.8	26.8	27.9
12	14.2	13.8	14.0	20.8	18.9	19.6	21.4	16.4	18.1	29.5	27.9	28.5
13	14.8	14.2	14.4	21.3	20.1	20.8	21.5	18.3	19.7	29.3	27.6	28.4
14	15.4	14.8	15.0	21.8	19.9	21.1	23.3	19.8	21.2	29.4	27.6	28.4
15	16.1	15.4	15.7	21.7	20.4	21.2	23.4	20.8	22.1	29.4	27.6	28.5
16	16.5	16.1	16.3	22.1	20.2	20.9	24.4	22.1	23.2	29.7	27.8	28.5
17	16.4	15.8	16.1	22.1	19.4	20.9	24.2	22.8	23.4	28.6	27.5	28.1
18	15.8	15.3	15.5	22.1	20.9	21.5	26.3	23.7	24.6	28.8	27.2	28.0
19	16.0	14.5	15.4	22.0	20.6	21.3	24.9	22.5	23.9	30.4	27.5	28.5
20	17.8	15.3	16.2	22.1	21.2	21.6	25.4	23.8	24.6	30.4	28.1	29.2
21	18.2	16.8	17.5	21.6	20.2	20.9	26.5	24.0	25.0	30.0	28.1	29.2
22	18.1	16.0	17.0	20.9	18.5	19.6	25.6	24.2	24.9	29.1	26.5	27.5
23	16.5	15.0	15.7	21.6	20.0	20.7	24.6	23.2	23.9	28.0	25.6	26.8
24	18.0	15.8	16.6	20.7	18.2	19.4	24.4	23.5	23.9	29.0	26.6	27.7
25	17.8	16.6	17.1	21.5	19.7	20.3	24.9	23.5	24.2	28.6	27.6	28.0
26	17.3	16.4	16.9	21.5	20.5	20.9	25.3	23.4	24.4	29.8	27.4	28.4
27	17.3	16.2	16.6	22.0	19.9	20.6	26.3	22.9	24.4	29.1	27.6	28.4
28	16.4	15.6	15.9	22.1	21.0	21.6	25.9	23.7	24.9	28.2	25.8	27.3
29	---	---	---	22.4	17.7	20.7	25.5	24.2	24.8	28.0	26.1	27.0
30	---	---	---	---	16.0	---	26.2	24.0	24.9	29.0	26.1	27.3
31	---	---	---	17.3	15.8	16.3	---	---	---	28.2	26.4	27.3
MONTH	18.2	13.4	15.3	---	14.6	---	26.5	15.4	22.2	30.4	24.8	27.9

073813498 CAILLOU BAY SOUTHWEST OF COCODRIE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.9	27.0	28.0	27.7	25.4	26.5	30.9	29.5	30.0	30.3	28.4	29.4
2	29.7	27.9	28.7	27.8	25.1	26.7	31.4	29.2	30.0	31.4	29.0	29.9
3	29.4	27.2	28.4	28.6	25.8	26.7	31.5	29.4	30.1	31.8	29.8	31.0
4	29.2	27.7	28.6	27.2	25.8	26.7	32.1	29.7	30.8	32.4	30.7	31.5
5	29.4	27.8	28.6	28.2	26.3	27.1	31.5	29.8	30.7	31.5	29.1	30.2
6	28.8	27.7	28.2	28.9	27.0	27.8	31.7	30.4	31.0	29.6	27.9	28.7
7	30.0	27.5	28.9	29.6	27.5	28.4	31.2	30.2	30.6	30.5	27.9	28.9
8	30.4	28.5	29.5	29.9	27.7	28.9	31.1	29.7	30.3	30.8	28.3	29.4
9	32.6	29.2	30.7	31.7	28.3	29.9	32.2	29.6	30.7	29.7	28.3	28.9
10	31.4	29.7	30.5	31.6	29.2	30.4	31.9	29.4	30.6	30.1	28.0	28.9
11	31.1	29.3	30.0	32.6	29.7	30.9	31.8	29.3	30.4	29.2	28.1	28.6
12	30.5	28.8	29.7	32.2	29.6	30.7	30.6	28.7	29.3	28.6	27.8	28.3
13	30.8	28.7	29.7	30.5	28.2	29.2	29.0	27.8	28.3	28.8	27.4	28.0
14	31.2	28.9	29.8	29.3	27.2	28.1	30.1	27.4	28.6	29.4	28.0	28.6
15	31.2	29.1	29.9	29.6	27.0	28.0	29.0	28.3	28.6	29.0	28.0	28.6
16	30.6	28.7	29.6	30.5	27.2	29.0	30.5	28.1	29.2	28.6	26.4	27.8
17	30.2	28.5	29.0	29.7	28.0	28.8	29.9	28.5	29.2	28.8	26.6	27.6
18	31.0	28.2	29.1	30.1	27.2	28.6	31.1	28.0	29.5	29.2	27.4	28.2
19	30.4	28.6	29.4	30.1	27.7	29.0	32.3	29.5	30.5	29.3	28.0	28.7
20	29.4	27.8	28.5	30.4	28.8	29.4	32.0	29.8	30.7	28.7	27.4	27.8
21	27.8	27.1	27.5	30.4	28.8	29.6	31.3	30.0	30.5	27.4	26.7	27.0
22	30.7	27.2	28.8	30.5	29.1	29.8	30.6	29.4	29.9	27.2	26.6	26.8
23	32.8	29.2	30.7	30.0	28.8	29.6	31.0	29.6	30.4	27.8	25.8	26.7
24	32.0	30.3	31.0	29.4	28.1	28.6	32.3	29.6	30.7	28.2	26.4	27.2
25	30.7	29.6	30.1	32.0	28.1	29.4	31.1	30.0	30.4	28.3	26.7	27.5
26	32.2	29.0	30.0	31.9	28.9	30.1	31.5	29.5	30.5	29.0	27.4	28.2
27	30.3	29.3	29.8	32.9	29.2	30.7	31.9	30.0	30.8	29.7	28.0	28.8
28	33.1	28.6	30.1	32.8	29.8	31.2	31.6	30.0	30.9	29.2	26.4	28.1
29	31.6	28.1	29.2	31.6	30.1	30.9	30.9	29.8	30.5	26.4	23.1	24.1
30	29.6	26.2	27.4	---	---	---	30.1	28.6	29.3	23.1	21.8	22.3
31	---	---	---	---	---	---	29.4	28.1	28.8	---	---	---
MONTH	33.1	26.2	29.3	---	---	---	32.3	27.4	30.1	32.4	21.8	28.2

07381350 COMPANY CANAL AT LOCKPORT, LA

LOCATION.--Lat 29°38'41", long 90°32'41", T. 16 S., R. 19 E., Lafourche Parish, Hydrologic Unit 08090302, on downstream side of the north support pier of U.S. Highway 1 drawbridge.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--April 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 3.70 ft, Sept. 27, 2002; minimum gage height, 0.29 ft, Aug. 2, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 2.82 ft, July 1; minimum recorded gage height, 0.67 ft, Apr. 1.

GAGE HEIGHT, FEET
WATER YEAR APRIL 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
						APRIL			MAY			
1										1.56	1.39	1.48
2							0.92	0.77	0.81	1.54	1.36	1.44
3							1.30	0.92	1.06	1.45	1.29	1.36
4							1.36	1.20	1.28	1.50	1.19	1.34
5							1.44	1.26	1.33	1.81	1.50	1.64
6							1.61	1.35	1.45	1.98	1.81	1.89
7							1.83	1.52	1.61	2.09	1.98	2.04
8							2.08	1.80	1.95	2.11	1.99	2.05
9							2.07	1.68	1.94	2.09	2.02	2.05
10							1.68	1.07	1.39	2.08	2.02	2.05
11							1.07	0.77	0.89	2.16	2.01	2.11
12							0.88	0.73	0.82	2.01	1.64	1.84
13							0.88	0.76	0.82	1.64	1.34	1.46
14							0.91	0.78	0.85	1.52	1.34	1.43
15							0.79	0.71	0.76	1.55	1.38	1.46
16							1.20	0.78	0.98	1.57	1.35	1.44
17							1.21	1.13	1.17	1.66	1.49	1.57
18							1.24	1.05	1.14	1.66	1.51	1.57
19							1.38	1.05	1.19	1.55	1.33	1.45
20							1.49	1.32	1.39	1.52	1.31	1.41
21							1.50	1.22	1.34	1.49	1.33	1.41
22							1.27	1.09	1.17	1.42	1.14	1.28
23							1.25	1.08	1.17	1.16	0.89	1.01
24							1.53	1.23	1.40	1.02	0.89	0.93
25							1.65	1.49	1.58	1.09	1.02	1.06
26							1.50	1.22	1.36	1.24	1.08	1.15
27							1.23	1.09	1.16	1.16	1.05	1.09
28							1.30	1.14	1.20	1.05	0.91	0.97
29							1.46	1.24	1.32	0.99	0.87	0.93
30							1.55	1.35	1.44	0.98	0.83	0.90
31							---	---	---	1.00	0.88	0.94
MONTH							---	---	---	2.16	0.83	1.44

07381350 COMPANY CANAL AT LOCKPORT, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR APRIL 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.99	0.86	0.92	2.82	2.73	2.79	1.20	1.05	1.10	2.23	2.14	2.19
2	1.16	0.84	0.94	2.76	2.52	2.64	1.14	1.01	1.08	2.16	2.07	2.12
3	1.40	1.16	1.25	2.52	2.29	2.40	1.10	1.04	1.07	2.07	1.93	2.01
4	1.43	1.25	1.34	2.29	2.09	2.18	1.15	1.03	1.08	1.93	1.85	1.89
5	1.69	1.31	1.43	2.10	2.00	2.04	1.19	0.99	1.08	1.85	1.73	1.79
6	1.87	1.67	1.77	2.02	1.92	1.96	1.21	1.01	1.09	1.76	1.62	1.68
7	1.87	1.74	1.80	1.92	1.80	1.85	1.15	0.97	1.05	1.74	1.54	1.64
8	1.75	1.46	1.61	1.96	1.74	1.82	1.08	0.92	1.00	1.78	1.60	1.69
9	1.46	1.25	1.34	1.95	1.83	1.90	1.10	0.85	0.97	1.81	1.64	1.72
10	1.34	1.20	1.26	1.83	1.69	1.75	1.15	0.92	1.02	1.83	1.66	1.74
11	1.54	1.25	1.39	1.69	1.56	1.62	1.20	0.96	1.06	1.79	1.70	1.75
12	1.62	1.41	1.50	1.71	1.53	1.61	1.37	1.08	1.19	2.00	1.76	1.86
13	1.62	1.50	1.56	1.76	1.53	1.63	1.37	1.18	1.27	2.11	1.99	2.05
14	1.62	1.47	1.54	1.89	1.65	1.74	1.39	1.18	1.27	---	---	---
15	1.60	1.46	1.53	1.94	1.84	1.88	1.28	1.05	1.17	---	---	---
16	1.56	1.39	1.47	1.94	1.78	1.85	1.40	1.28	1.32	---	---	---
17	1.54	1.37	1.45	1.81	1.63	1.72	1.52	1.38	1.44	---	---	---
18	1.49	1.32	1.41	1.74	1.52	1.61	---	---	---	---	---	---
19	1.58	1.36	1.44	1.54	1.30	1.42	---	---	---	---	---	---
20	1.59	1.54	1.56	1.30	1.18	1.24	---	---	---	---	---	---
21	1.63	1.47	1.56	1.21	1.03	1.11	---	---	---	---	---	---
22	1.60	1.47	1.55	1.11	0.97	1.03	---	---	---	---	---	---
23	1.58	1.48	1.52	1.14	0.95	1.03	---	---	---	1.81	1.64	1.70
24	1.60	1.50	1.54	1.16	1.01	1.08	---	---	---	1.75	1.55	1.63
25	1.63	1.46	1.54	1.12	0.94	1.02	---	---	---	1.75	1.61	1.67
26	1.67	1.53	1.59	1.17	0.93	1.04	---	---	---	---	---	---
27	1.86	1.58	1.69	1.27	1.01	1.12	1.68	1.51	1.60	---	---	---
28	1.85	1.76	1.80	1.26	1.10	1.19	1.70	1.53	1.62	---	---	---
29	1.99	1.74	1.83	1.24	1.05	1.15	1.70	1.57	1.64	---	---	---
30	2.73	1.99	2.31	1.24	1.07	1.16	2.03	1.70	1.86	---	---	---
31	---	---	---	1.24	1.05	1.13	2.15	2.03	2.09	---	---	---
MONTH	2.73	0.84	1.51	2.82	0.93	1.60	---	---	---	---	---	---

07381350 COMPANY CANAL AT LOCKPORT, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- 1956 (inorganics only); 1979-80 (specific conductance); 1981-85, 2002 (specific conductance and temperature); October 2002 to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1979 to September 1985, April 2002 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: December 1980 to September 1985, April 2002 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except May 11-June 23, July 9-Aug. 12, 22-25, Sept. 3-19 when records good; Aug. 13-19, 26 and Sept. 20-30 when records fair.

SALINITY: Records excellent except May 11-June 23, July 9-Aug. 12, 22-25, Sept. 3-19 when records good; Aug. 13-19, 26 and Sept. 20-30 when records fair.

WATER TEMPERATURE: Records excellent except July 29-Aug. 19, Sept. 14-30 when records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 7,310 microsiemens/cm, Sept. 24, 1984; minimum, 118 microsiemens/cm, Sept. 28, 2002.

SALINITY: Maximum, 0.4 ppt, May 16, 17, 18, 2003; minimum, 0.1 ppt, on many days in 2003.

WATER TEMPERATURE: Maximum, 34.8°C, July 21, 2002; minimum, 1.0°C, Dec. 25, 26, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 871 microsiemens/cm, May 16; minimum, 129 microsiemens/cm, Apr. 9.

SALINITY: Maximum, 0.4 ppt, May 16, 17, 18; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 32.9°C, Aug. 5; minimum, 5.4°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	237	208	226	229	216	223	347	310	330	359	350	355
2	247	162	223	228	219	224	331	283	306	358	351	354
3	220	182	200	245	228	238	356	300	320	353	328	346
4	258	184	222	235	230	232	367	302	335	338	317	329
5	260	198	231	326	230	273	335	298	314	398	330	353
6	231	202	213	289	223	251	315	283	301	355	339	345
7	209	190	201	276	211	233	318	281	289	354	335	339
8	229	187	203	222	218	219	334	296	317	346	338	342
9	245	206	222	273	218	235	446	329	373	353	344	348
10	191	152	175	327	225	256	431	303	334	344	323	326
11	171	150	160	308	238	274	349	285	301	342	326	337
12	187	169	175	305	252	284	443	349	361	337	332	334
13	200	168	177	252	220	229	469	307	376	363	333	342
14	206	164	175	361	218	255	310	288	295	372	348	356
15	175	166	169	270	237	246	307	294	300	352	344	347
16	172	167	169	262	238	249	329	303	315	346	325	339
17	171	166	168	238	233	234	344	323	333	343	331	339
18	242	170	192	273	231	240	353	342	348	346	342	344
19	251	236	240	317	267	296	424	352	384	346	297	326
20	240	216	234	340	305	319	420	367	392	334	297	313
21	216	202	206	410	335	367	370	357	364	334	300	321
22	258	202	219	426	279	350	366	354	360	330	299	317
23	339	210	294	279	242	253	430	362	387	337	304	321
24	325	300	315	349	242	305	431	386	402	346	337	343
25	342	287	300	324	260	295	402	381	395	373	336	350
26	369	302	314	294	278	287	381	350	361	378	371	375
27	392	276	327	329	286	308	360	349	356	372	358	367
28	440	320	365	334	290	310	359	354	357	358	342	351
29	378	238	310	290	260	271	412	354	378	355	340	346
30	300	255	282	451	260	346	423	379	401	367	353	363
31	299	223	271	---	---	---	492	320	389	371	360	365
MONTH	440	150	232	451	211	270	492	281	348	398	297	343

07381350 COMPANY CANAL AT LOCKPORT, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	377	358	366	463	444	455	386	318	352	420	417	419
2	376	357	365	479	457	464	324	300	308	419	354	392
3	382	372	377	465	410	449	370	314	344	362	349	357
4	387	379	385	464	398	429	366	362	364	358	347	351
5	386	382	385	432	402	416	374	354	360	402	358	391
6	386	384	385	435	401	414	402	374	394	405	396	399
7	385	384	384	462	406	417	402	391	398	409	401	405
8	391	384	386	434	399	411	412	326	375	409	406	408
9	406	386	398	414	391	401	326	129	227	408	403	406
10	417	394	406	397	388	393	294	162	250	409	404	407
11	470	414	445	393	367	378	301	263	288	415	407	413
12	473	429	448	401	327	355	264	253	259	548	415	458
13	487	468	478	382	320	339	272	260	265	574	498	555
14	477	418	439	478	350	386	291	261	271	524	501	517
15	468	420	434	384	358	373	279	264	272	564	501	537
16	587	434	500	422	380	389	307	263	284	871	559	730
17	708	549	649	413	348	377	322	280	295	798	638	716
18	549	469	506	376	314	351	331	317	322	721	678	694
19	511	422	481	407	308	336	403	315	344	683	609	671
20	541	422	492	358	310	324	411	382	401	639	515	571
21	434	363	397	375	358	364	417	354	396	554	474	496
22	505	421	481	376	371	374	363	312	329	591	506	551
23	524	415	468	375	368	372	363	312	331	589	542	562
24	490	469	479	377	371	374	422	363	402	542	528	534
25	483	462	468	375	346	362	411	289	350	541	494	519
26	512	457	478	361	286	343	302	291	296	494	426	459
27	518	424	458	327	286	308	303	300	301	426	401	410
28	462	445	456	349	327	338	391	301	319	483	420	447
29	---	---	---	357	346	353	418	355	392	517	453	484
30	---	---	---	363	352	358	420	414	417	516	431	476
31	---	---	---	357	351	354	---	---	---	490	435	452
MONTH	708	357	443	479	286	379	422	129	330	871	347	490
	JUNE			JULY			AUGUST			SEPTEMBER		
1	467	416	438	257	224	241	241	223	232	392	370	377
2	463	410	425	257	177	219	248	210	235	403	377	388
3	437	418	432	264	256	259	260	223	237	400	384	393
4	442	386	416	258	245	250	272	253	260	422	387	406
5	400	372	394	248	228	238	257	228	237	420	404	412
6	426	365	384	259	224	243	242	228	238	428	384	402
7	429	373	402	272	221	233	244	222	235	405	329	369
8	393	383	386	351	164	240	346	231	262	400	380	390
9	417	392	406	383	235	272	373	253	305	424	385	399
10	424	404	417	271	215	239	368	258	318	400	375	386
11	418	371	392	252	229	239	374	307	337	402	379	391
12	399	387	394	236	195	221	369	304	330	409	390	400
13	391	377	386	266	215	239	369	280	306	405	368	390
14	378	371	374	316	226	261	334	297	322	---	---	---
15	380	373	376	300	269	286	363	325	340	---	---	---
16	383	368	378	332	234	284	379	361	368	---	---	---
17	396	372	391	256	207	231	381	338	366	---	---	---
18	412	393	404	280	213	248	---	---	---	---	---	---
19	418	404	413	221	192	208	---	---	---	---	---	---
20	419	400	412	239	191	203	---	---	---	---	---	---
21	421	396	409	236	191	212	---	---	---	---	---	---
22	424	400	413	223	191	199	---	---	---	---	---	---
23	406	396	401	226	197	207	---	---	---	388	363	370
24	398	354	388	316	201	221	---	---	---	403	372	390
25	391	347	367	315	223	255	---	---	---	410	382	395
26	369	353	357	237	206	221	---	---	---	---	---	---
27	362	325	345	237	208	217	399	357	380	---	---	---
28	382	347	367	246	211	225	399	371	388	---	---	---
29	374	350	361	283	223	240	393	388	390	---	---	---
30	361	179	266	263	229	244	393	352	386	---	---	---
31	---	---	---	241	230	237	394	352	383	---	---	---
MONTH	467	179	390	383	164	237	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07381350 COMPANY CANAL AT LOCKPORT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
4	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
5	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
6	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
8	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
9	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
10	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
11	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
12	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
13	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
14	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
15	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
16	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
17	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
18	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
19	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
20	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.2	0.1	0.1	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2
MONTH	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
FEBRUARY			MARCH			APRIL			MAY			
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.2
13	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.3
14	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.3
15	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.3
16	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.4	0.3	0.4
17	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.4	0.3	0.4
18	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3
19	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
20	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
23	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.3
26	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2
27	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
30	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
31	---	---	---	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2
MONTH	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.4	0.2	0.2

07381350 COMPANY CANAL AT LOCKPORT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
5	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
6	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
7	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
8	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
9	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
12	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
13	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
14	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	---	---	---
15	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	---	---	---
16	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	---	---	---
17	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
18	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	---	---	---
19	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	---	---	---
20	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	---	---	---
21	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	---	---	---
22	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	---	---	---
23	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.1	0.1	---	---	---	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.1	0.1	---	---	---	0.2	0.2	0.2
26	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	---	---	---
27	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
28	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
29	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
30	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
31	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
MONTH	0.2	0.1	0.2	0.2	0.1	0.1	---	---	---	---	---	---

07381350 COMPANY CANAL AT LOCKPORT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.6	25.9	26.6	22.3	20.6	21.5	14.5	13.2	13.8	15.6	14.6	15.1
2	27.9	26.2	26.9	20.7	19.6	20.1	15.3	12.8	13.9	15.2	14.1	14.8
3	26.5	25.8	26.2	21.0	19.8	20.4	15.6	14.1	14.8	14.1	11.6	12.4
4	27.3	25.9	26.6	21.0	20.5	20.7	17.6	14.8	16.2	12.7	10.6	11.8
5	27.5	27.0	27.3	21.2	20.6	21.0	17.6	14.9	16.1	13.9	11.6	12.8
6	27.9	26.7	27.3	20.6	18.8	20.0	14.9	11.5	13.7	14.0	12.9	13.4
7	27.7	27.0	27.4	18.8	17.8	18.4	11.9	10.5	11.3	13.8	12.6	13.2
8	27.5	26.4	26.9	19.0	17.4	18.2	12.5	11.3	11.9	13.4	11.3	12.3
9	26.4	23.8	25.8	20.0	18.5	19.2	12.7	11.8	12.2	14.1	12.1	13.2
10	25.2	24.0	24.9	22.5	20.0	21.4	12.4	11.8	12.2	14.6	13.9	14.1
11	26.2	25.0	25.4	22.7	22.2	22.5	12.2	11.0	11.6	14.2	11.7	13.1
12	25.7	25.3	25.5	22.4	20.8	21.8	12.4	11.7	12.1	11.7	10.1	10.9
13	25.4	24.8	25.1	20.8	17.6	19.3	13.6	12.2	12.9	10.7	9.2	10
14	24.8	22.6	23.6	18.4	17.0	17.6	13.0	12.0	12.5	11.3	9.7	10.4
15	22.6	22.0	22.3	19.0	17.5	18.4	14.4	12.1	12.9	12.5	10.1	11.0
16	22.2	21.1	21.6	18.6	16.4	17.8	15.2	12.1	13.6	12.5	11.4	11.9
17	21.7	20.6	21.2	16.4	13.8	14.8	16.0	13.4	14.8	12.2	8.4	10.0
18	22.7	20.7	21.7	16.5	13.3	14.8	17.6	14.7	16.1	10.1	7.4	8.8
19	23.4	21.9	22.6	17.7	15.4	16.6	18.4	16.6	17.7	11.3	8.8	9.8
20	24.0	22.5	23.1	18.3	17.4	17.8	18.0	16.1	17.2	12.3	10.7	11.4
21	24.2	23.2	23.6	18.5	16.7	17.5	16.9	15.1	15.9	14.3	12.0	13.0
22	24.1	23.1	23.5	17.8	16.6	17.1	17.8	15.6	16.6	15.3	13.0	14.6
23	24.1	23.3	23.6	17.1	15.5	16.1	17.5	16.8	17.2	13.0	11.0	12.3
24	24.3	23.3	23.7	16.8	14.8	15.7	18.7	17.2	18.0	11.0	6.2	8.4
25	24.1	23.4	23.7	17.2	16.0	16.6	17.2	15.1	16.2	8.1	5.4	6.7
26	23.8	23.5	23.6	17.8	16.5	17.1	15.1	11.6	13.5	8.3	7.5	7.9
27	24.4	23.4	23.8	17.1	15.4	16.3	11.6	10.9	11.2	10.3	8.1	8.9
28	25.4	24.0	24.6	15.6	14.4	15.0	12.9	11.4	12.1	12.0	8.9	10.3
29	24.7	23.4	24.0	15.2	13.4	14.1	14.4	12.2	13.5	14.4	10.9	12.5
30	24.0	22.6	23.3	14.6	13.5	14.2	15.3	13.7	14.5	14.4	12.6	13.3
31	23.4	22.3	23.0	---	---	---	16.2	14.8	15.6	14.0	12.6	13.5
MONTH	27.9	20.6	24.5	22.7	13.3	18.1	18.7	10.5	14.3	15.6	5.4	11.7
FEBRUARY			MARCH			APRIL			MAY			
1	15.7	12.8	14.2	15.6	15.3	15.5	19.3	15.7	17.3	27.4	25.4	26.2
2	16.1	13.2	14.8	16.3	15.3	15.8	19.7	18.3	19.0	28.3	26.3	27.2
3	16.6	14.5	15.7	16.1	14.6	15.6	20.3	18.7	19.6	29.1	27.1	28.0
4	16.5	15.0	15.8	14.8	13.8	14.3	22.6	19.8	21.0	29.8	27.8	28.7
5	15.6	13.9	14.6	17.1	14.8	15.8	24.2	21.5	22.7	29.6	27.8	28.6
6	14.6	13.6	14.0	17.7	17.0	17.3	25.1	23.2	23.9	29.1	27.9	28.5
7	14.2	12.0	13.2	18.9	17.3	18.0	24.8	23.4	24.2	29.1	27.9	28.5
8	12.3	11.1	11.7	18.7	18.3	18.5	23.4	20.5	21.9	29.7	28.1	28.8
9	12.6	11.1	11.7	20.1	18.1	18.9	20.5	15.5	17.9	29.7	28.3	28.9
10	13.8	12.0	12.8	21.2	19.1	20.1	15.9	14.3	15.3	30.3	28.4	29.3
11	15.2	12.8	13.8	21.2	19.2	20.0	17.6	15.6	16.3	30.1	28.7	29.3
12	16.0	12.9	14.3	21.2	18.6	19.8	20.8	17.6	18.8	29.6	28.3	28.9
13	16.4	14.5	15.5	21.0	19.3	20.1	23.2	20.7	21.6	28.8	27.4	28.0
14	17.2	14.6	16.0	22.4	20.2	21.1	25.3	22.4	23.5	29.0	26.8	27.8
15	18.0	16.2	17.0	23.6	22.2	22.8	25.5	23.5	24.4	29.3	27.6	28.3
16	17.7	16.9	17.4	23.3	20.7	22.5	25.1	22.4	23.7	30.1	27.9	29.0
17	16.9	14.3	15.8	21.8	20.2	20.9	24.8	23.3	23.9	29.5	28.5	29.1
18	15.1	13.1	14.0	21.8	21.3	21.5	26.2	23.8	24.7	29.6	28.2	28.8
19	16.4	13.6	14.7	21.5	20.3	21.0	26.5	24.2	25.2	30.0	28.0	28.9
20	16.4	15.4	15.9	21.3	20.3	20.9	26.9	25.1	25.8	29.7	28.2	28.9
21	17.8	16.0	16.8	21.1	20.4	20.8	27.0	25.8	26.4	29.7	28.4	29.0
22	17.8	15.9	17.2	21.7	19.8	20.7	26.5	25.0	25.8	28.9	27.7	28.3
23	17.8	14.9	16.1	22.7	20.4	21.5	26.6	24.4	25.5	27.9	26.4	27.2
24	17.3	15.5	16.2	23.3	21.3	22.4	26.4	25.2	25.6	29.1	26.8	27.7
25	17.6	16.7	17.2	22.7	21.4	22.0	26.2	24.8	25.4	29.0	27.1	28.0
26	17.1	16.4	16.8	21.9	19.4	21.1	27.2	25.1	26.1	29.2	27.5	28.2
27	17.1	16.3	16.7	21.7	19.2	20.0	27.5	24.6	25.9	28.7	27.7	28.2
28	16.3	15.6	16.0	23.7	21.3	22.4	26.8	25.2	26.0	28.1	26.6	27.3
29	---	---	---	23.6	20.2	22.0	26.6	25.2	25.9	28.8	26.6	27.3
30	---	---	---	20.4	16.3	17.6	26.6	24.9	25.8	28.8	26.7	27.6
31	---	---	---	17.2	14.4	15.9	---	---	---	28.6	26.7	27.6
MONTH	18.0	11.1	15.2	23.7	13.8	19.6	27.5	14.3	23.0	30.3	25.4	28.3

07381350 COMPANY CANAL AT LOCKPORT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.0	26.9	28.1	26.8	25.8	26.1	30.7	29.7	30.2	30.2	28.7	29.5
2	29.6	27.6	28.4	28.3	26.3	27.1	30.7	29.6	30.1	30.9	29.3	29.9
3	28.6	27.7	28.1	28.8	27.8	28.3	31.5	29.3	30.2	30.8	29.6	30.2
4	28.5	27.6	28.0	28.4	28.0	28.2	31.7	29.7	30.6	30.9	29.7	30.2
5	28.4	27.2	27.8	28.3	27.6	27.9	32.9	30.6	31.5	30.9	30.0	30.3
6	27.7	26.7	27.1	27.9	27.1	27.5	32.0	30.7	31.3	30.8	29.1	29.8
7	29.0	26.8	27.6	27.9	27.1	27.4	31.8	30.6	31.1	30.2	28.7	29.4
8	31.0	28.5	29.4	28.0	27.3	27.7	32.2	30.0	30.9	30.2	29.0	29.5
9	32.6	29.9	30.9	29.4	26.7	27.6	32.5	30.1	31.2	30.2	29.0	29.3
10	32.0	31.0	31.5	30.0	28.7	29.3	32.8	30.7	31.7	29.6	28.4	29.0
11	31.2	29.0	30.1	30.0	29.3	29.6	32.3	30.9	31.6	29.6	28.9	29.2
12	30.0	28.9	29.5	29.8	29.0	29.4	31.5	29.3	30.4	29.2	28.4	28.8
13	30.1	28.3	29.3	29.6	28.6	29.1	29.3	28.3	28.8	28.6	27.7	28.3
14	31.1	29.3	30.0	29.2	28.1	28.5	30.4	27.9	29.0	---	---	---
15	31.3	29.7	30.3	30.3	28.5	29.1	31.0	29.2	30.0	---	---	---
16	30.2	29.7	29.9	30.9	29.5	30.0	31.6	29.9	30.6	---	---	---
17	29.9	29.4	29.6	30.8	29.1	30.1	31.2	30.2	30.6	---	---	---
18	31.4	28.9	29.8	30.8	28.2	29.2	---	---	---	---	---	---
19	31.1	29.5	30.1	31.2	29.3	30.1	---	---	---	---	---	---
20	29.5	28.3	29.0	30.7	29.9	30.2	---	---	---	---	---	---
21	28.9	27.8	28.6	30.7	29.4	30.0	---	---	---	---	---	---
22	30.3	28.4	29.1	30.8	29.8	30.2	---	---	---	---	---	---
23	30.7	29.4	29.9	30.1	28.8	29.5	---	---	---	28.0	26.4	27.1
24	30.9	29.9	30.5	29.4	28.5	28.8	---	---	---	28.2	26.3	27.2
25	31.4	30.4	30.8	28.9	27.8	28.4	---	---	---	28.2	26.8	27.5
26	31.5	30.1	30.7	30.0	28.0	28.9	---	---	---	---	---	---
27	30.8	29.9	30.4	30.7	28.4	29.3	31.1	29.6	30.2	---	---	---
28	30.6	28.8	29.6	31.0	29.0	29.7	31.4	30.1	30.7	---	---	---
29	29.9	29.0	29.5	31.1	29.6	30.3	30.9	29.7	30.3	---	---	---
30	29.0	26.3	27.3	31.0	29.6	30.2	30.3	29.1	29.8	---	---	---
31	---	---	---	30.8	29.5	30.2	29.7	29.1	29.4	---	---	---
MONTH	32.6	26.3	29.4	31.2	25.8	29.0	---	---	---	---	---	---

07381355 COMPANY CANAL AT SALT BARRIER NEAR LOCKPORT, LA

LOCATION.--Lat 29°37'38", long 90°33'27", T. 16 S., R. 19 E., Lafourche Parish, Hydrologic Unit 08090302, on Company Canal, 1.6 miles downstream from the bridge at Hwy. 1 in Lockport.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--June 2003 to September 2003.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 3.34 ft, July 1, 2003; minimum gage height, 1.37 ft, Aug. 9, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.34 ft, July 1; minimum gage height, 1.37 ft, Aug. 9.

GAGE HEIGHT, FEET WATER YEAR JUNE 2003 TO SEPTEMBER 2003												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				3.34	3.22	3.28	1.74	1.56	1.62	2.75	2.66	2.71
2				3.22	2.99	3.10	1.66	1.53	1.59	2.68	2.56	2.64
3				2.99	2.77	2.87	1.62	1.54	1.59	2.56	2.42	2.53
4				2.77	2.59	2.66	1.66	1.52	1.60	2.46	2.34	2.40
5				2.60	2.48	2.54	1.72	1.50	1.62	2.36	2.24	2.30
6				2.60	2.40	2.47	1.76	1.52	1.63	2.26	2.13	2.20
7				2.43	2.29	2.35	1.71	1.48	1.59	2.27	2.05	2.16
8				2.44	2.24	2.33	1.66	1.43	1.55	2.30	2.12	2.21
9				2.41	2.29	2.37	1.69	1.37	1.53	2.35	2.15	2.24
10				2.29	2.17	2.24	1.67	1.43	1.55	2.34	2.20	2.27
11				2.20	2.06	2.13	1.71	1.46	1.58	2.32	2.24	2.28
12				2.21	2.03	2.11	1.90	1.55	1.72	2.53	2.29	2.40
13				2.28	2.03	2.14	1.90	1.59	1.77	2.65	2.53	2.58
14				2.43	2.17	2.27	1.89	1.69	1.77	2.54	2.28	2.41
15				2.47	2.35	2.41	1.81	1.56	1.68	2.32	2.15	2.27
16				2.46	2.30	2.35	1.92	1.79	1.84	2.24	2.09	2.18
17				2.32	2.10	2.23	2.04	1.91	1.95	2.28	2.10	2.19
18	2.01	1.81	1.92	2.26	2.04	2.12	1.93	1.80	1.87	2.27	2.10	2.18
19	2.18	1.85	1.98	2.05	1.80	1.93	2.04	1.78	1.92	2.30	2.10	2.20
20	2.17	2.06	2.09	1.82	1.66	1.75	2.01	1.82	1.93	2.21	2.09	2.15
21	2.15	1.99	2.08	1.69	1.52	1.61	1.89	1.72	1.82	2.30	2.03	2.16
22	2.12	1.96	2.06	1.65	1.49	1.56	1.94	1.67	1.81	2.40	2.22	2.34
23	2.10	1.98	2.03	1.70	1.46	1.56	2.04	1.75	1.90	2.34	2.17	2.23
24	2.14	1.99	2.05	1.67	1.52	1.59	2.15	1.88	2.01	2.32	2.09	2.19
25	2.15	1.97	2.05	1.63	1.45	1.53	2.27	1.97	2.11	2.30	2.14	2.22
26	2.21	2.04	2.11	1.70	1.44	1.56	2.24	2.09	2.17	2.49	2.28	2.37
27	2.37	2.11	2.21	1.79	1.51	1.63	2.21	2.03	2.12	2.54	2.46	2.51
28	2.35	2.25	2.30	1.78	1.60	1.69	2.23	2.07	2.15	2.50	2.21	2.39
29	2.52	2.26	2.35	1.77	1.57	1.66	2.26	2.09	2.16	2.22	1.89	2.09
30	3.28	2.52	2.87	1.77	1.59	1.68	2.58	2.26	2.40	2.06	1.84	1.98
31	---	---	---	1.76	1.54	1.65	2.68	2.56	2.62	---	---	---
MONTH	---	---	---	3.34	1.44	2.11	2.68	1.37	1.84	2.75	1.84	2.30

07381355 COMPANY CANAL AT SALT BARRIER NEAR LOCKPORT, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2003 to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2003 to September 2003.

SALINITY: June 2003 to September 2003.

WATER TEMPERATURE: June 2003 to September 2003.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except June 27-July 20, Aug. 31-Sept. 2, and Sept. 9-10 when records good; July 21-Aug. 6 when records fair; and Aug. 7-Aug. 19 when records poor.

SALINITY: Records excellent except June 27-July 20, Aug. 31-Sept. 2, and Sept. 9-10 when records good; July 21-Aug. 6 when records fair; and Aug. 7-Aug. 19 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,420 microsiemens/cm, Sept. 1, 2003; minimum, 177 microsiemens/cm, July 17, 18, 2003.

SALINITY: Maximum, 0.71 ppt, Sept. 1, 2003; minimum, 0.1 ppt, on many times.

WATER TEMPERATURE: Maximum, 33.2°C, Aug. 10, 2003; minimum, 22.7°C, Sept. 30, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,420 microsiemens/cm, Sept. 1; minimum, 177 microsiemens/cm, July 17, 18.

SALINITY: Maximum, 0.7 ppt, Sept. 1; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.2°C, Aug. 10; minimum, 22.7°C, Sept. 30.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR JUNE 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				250	217	234	258	220	236	1,420	853	1,270
2				254	245	251	289	222	249	853	509	633
3				252	243	247	374	248	309	543	453	510
4				247	212	235	406	266	384	536	434	501
5				226	201	208	351	250	286	436	365	411
6				211	200	205	322	244	281	366	324	340
7				206	197	202	363	227	286	591	315	372
8				211	194	203	318	245	269	909	337	508
9				195	188	191	332	240	289	869	386	536
10				198	190	194	332	232	282	956	416	592
11				199	186	192	334	273	296	649	381	440
12				250	189	212	335	273	296	961	418	650
13				234	189	202	312	250	272	908	542	789
14				236	189	200	377	280	312	570	415	479
15				254	192	227	383	275	326	433	377	411
16				261	182	209	306	263	285	415	350	396
17				203	177	185	325	281	307	454	354	393
18	405	349	384	198	177	185	283	242	257	614	361	440
19	386	333	354	197	187	191	259	237	246	580	378	479
20	400	340	384	199	184	192	243	230	235	507	389	448
21	409	395	400	205	188	194	251	229	237	499	382	430
22	401	391	397	220	194	202	270	234	244	499	417	442
23	408	397	403	260	200	219	423	247	291	417	378	397
24	399	363	390	216	199	203	386	252	314	458	364	393
25	385	348	365	232	198	210	374	285	322	480	392	430
26	371	304	333	245	211	221	394	268	313	537	449	500
27	366	313	343	315	218	255	458	271	321	521	465	502
28	341	304	326	233	216	224	483	259	350	492	415	457
29	336	282	298	250	222	231	405	272	325	415	363	393
30	333	250	291	267	231	244	517	329	420	396	352	374
31	---	---	---	275	236	250	1,000	517	729	---	---	---
MONTH	---	---	---	315	177	213	1,000	220	309	1,420	315	497

MISSISSIPPI RIVER DELTA

07381355 COMPANY CANAL AT SALT BARRIER NEAR LOCKPORT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR JUNE 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.4	0.6
2				0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.3	0.3
3				0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.3
4				0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.2
5				0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
6				0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
7				0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.2	0.2
8				0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.2	0.3
9				0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.2	0.3
10				0.1	0.1	0.1	0.2	0.1	0.1	0.5	0.2	0.3
11				0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.2	0.2
12				0.1	0.1	0.1	0.2	0.1	0.1	0.5	0.2	0.3
13				0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.3	0.4
14				0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.2
15				0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
16				0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
17				0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2
19	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2
20	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
21	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
22	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
23	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
24	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.2
27	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.2
28	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
29	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
30	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.2
31	---	---	---	0.1	0.1	0.1	0.5	0.3	0.4	---	---	---
MONTH	---	---	---	0.2	0.1	0.1	0.5	0.1	0.1	0.7	0.2	0.2

07381355 COMPANY CANAL AT SALT BARRIER NEAR LOCKPORT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR JUNE 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1				28.1	25.5	26.6	31.2	29.6	30.4	30.6	29.0	29.7
2				29.6	27.1	28.1	30.9	29.8	30.4	31.0	29.7	30.2
3				29.4	27.7	28.6	31.6	28.9	29.8	30.9	29.7	30.1
4				28.7	27.8	28.3	32.7	30.8	31.5	31.7	30.1	30.7
5				29.1	27.4	28.2	32.7	31.3	31.9	31.6	30.0	30.4
6				28.2	27.4	27.9	32.3	31.4	31.8	30.2	27.9	29.1
7				29.0	27.1	28.0	32.0	30.5	31.2	30.6	28.3	29.3
8				28.6	27.6	28.0	31.6	29.8	30.7	31.1	28.9	29.9
9				31.6	27.3	29.1	32.6	30.5	31.4	30.6	28.8	29.3
10				31.8	29.0	30.2	33.2	30.5	31.8	29.6	28.0	28.8
11				31.3	29.8	30.4	32.7	30.7	31.7	29.3	28.4	28.8
12				30.6	29.1	29.9	32.0	29.0	30.1	28.9	28.2	28.6
13				30.3	29.0	29.7	30.1	28.2	28.8	29.2	28.2	28.7
14				30.0	28.7	29.1	28.8	27.4	28.2	30.3	28.0	29.0
15				30.9	28.0	29.4	30.3	28.6	29.4	30.2	28.7	29.3
16				31.5	29.3	30.1	31.1	29.5	30.1	29.7	28.4	28.8
17				31.1	30.0	30.5	31.0	30.1	30.6	29.0	28.0	28.3
18	31.4	28.5	29.6	31.0	27.8	29.6	31.2	29.1	29.9	29.9	27.3	28.3
19	30.2	29.1	29.7	32.4	29.4	30.7	31.4	29.1	29.8	30.5	28.4	29.1
20	29.4	28.6	28.9	31.9	29.8	30.6	31.2	29.5	30.1	29.2	28.1	28.7
21	29.8	28.2	28.8	31.5	29.4	30.2	31.0	28.7	29.6	28.4	27.4	27.9
22	30.4	28.1	29.1	31.3	30.0	30.7	30.7	28.9	29.8	28.2	26.8	27.3
23	31.8	29.1	30.1	31.0	29.5	29.9	30.7	29.1	29.8	27.2	25.6	26.2
24	31.6	29.4	30.5	29.5	27.4	28.3	31.5	29.3	30.3	28.0	26.6	27.2
25	32.0	30.4	31.1	29.8	28.8	29.4	30.6	29.4	29.9	28.0	26.3	27.2
26	32.3	30.5	31.1	30.2	28.5	29.3	31.0	28.5	29.8	28.5	27.5	28.1
27	31.1	30.2	30.7	30.8	29.2	29.9	31.7	29.6	30.5	28.6	27.9	28.2
28	31.2	28.9	30.0	30.6	29.1	29.9	32.1	30.2	31.1	28.3	26.3	27.7
29	30.6	29.1	29.9	31.0	30.1	30.6	31.7	30.0	30.8	26.3	23.3	24.7
30	29.1	26.2	27.8	30.6	29.6	30.1	31.1	29.8	30.3	24.0	22.7	23.2
31	---	---	---	30.8	29.5	30.2	29.8	29.1	29.5	---	---	---
MONTH	---	---	---	32.4	25.5	29.4	33.2	27.4	30.4	31.7	22.7	28.4

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.

WATER-STAGE RECORDS

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 velocity meter. Datum of gage is NGVD of 1929. Reverse flow at times during the year.

REMARKS.--No estimated daily discharges. Records poor. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 5,170 ft³/s, Feb. 19, 1988, maximum elevation 12.11 ft, Oct. 27, 1983; maximum negative discharge, -280 ft³/s, June 16, 1985, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 2,990 ft³/s, Feb. 25; maximum gage height, 12.03 ft, Feb. 23; maximum negative discharge, -83 ft³/s, May 31; minimum gage height, 0.30 ft, Jan. 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	1,210	35	851	85	891	9.8	9.6	-4.6	129	16	5.7
2	138	1,120	31	810	41	856	26	17	-2.7	78	32	6.4
3	437	1,040	39	781	28	881	37	8.4	-1.5	26	22	7.7
4	727	948	505	646	32	833	32	15	-1.4	45	17	11
5	543	618	1,290	407	35	776	94	6.1	-1.7	217	12	9.2
6	318	688	1,270	226	112	744	207	-3.9	11	593	14	11
7	139	710	1,160	134	1,090	690	155	18	59	388	17	3.0
8	84	696	1,010	95	1,290	654	1,010	9.5	34	190	11	2.7
9	52	644	711	73	1,160	598	1,600	14	-5.9	459	4.8	0.68
10	144	600	466	69	1,060	538	1,530	20	-12	633	0.86	2.0
11	134	637	292	76	850	482	1,430	15	-14	578	17	12
12	62	669	193	69	689	416	1,320	23	15	617	21	50
13	36	650	281	59	388	409	1,220	20	14	487	15	99
14	30	584	422	55	211	493	1,070	10	29	338	24	90
15	28	493	278	45	350	409	874	11	62	135	51	29
16	25	370	183	37	1,340	300	614	5.2	201	53	2.7	12
17	22	244	129	44	1,390	175	312	22	130	24	-8.1	-0.76
18	13	126	94	39	1,290	114	80	12	239	25	-15	1.3
19	8.8	67	77	26	1,130	103	35	21	150	43	-0.97	8.9
20	15	60	100	14	967	53	29	14	50	33	2.0	7.8
21	17	73	99	16	1,610	13	40	2.5	43	26	6.2	9.5
22	14	65	68	29	2,010	9.0	45	13	63	12	4.9	24
23	13	51	43	27	2,210	6.1	34	18	73	17	-6.1	10
24	7.9	38	464	24	2,500	5.3	28	9.1	19	19	-5.8	13
25	28	26	1,000	19	2,740	3.9	31	8.9	38	8.8	6.1	9.1
26	328	44	871	16	2,460	41	25	---	121	40	-4.1	5.4
27	639	47	737	12	1,810	267	20	9.0	127	27	0.54	2.2
28	1,050	46	574	11	1,000	313	21	6.7	38	16	5.2	8.1
29	1,180	36	331	7.1	---	---	22	3.3	28	6.0	-7.9	10
30	1,230	27	161	76	---	---	19	-5.9	57	7.8	10	13
31	1,270	---	489	149	---	18	---	-14	---	15	5.2	---
TOTAL	8,746.7	12,627	13,403	4,942.1	29,878	---	11,969.8	---	1,557.2	5,285.6	269.53	472.92
MEAN	282	421	432	159	1,067	---	399	---	51.9	171	8.69	15.8

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.63	9.94	1.63	8.04	1.44	10.66	1.93	1.25	1.84	3.40	1.27	1.60
2	2.00	9.56	1.58	8.10	1.14	10.35	1.77	1.27	1.77	3.30	1.18	1.70
3	4.42	9.19	1.54	7.64	1.03	10.06	1.67	1.27	1.91	2.44	1.08	1.69
4	7.20	9.04	4.46	6.89	1.01	9.78	1.56	1.27	1.89	2.36	1.04	1.55
5	6.28	9.69	8.24	5.40	1.09	9.50	1.73	1.29	1.93	2.85	0.96	1.52
6	4.67	10.19	8.37	4.06	1.38	9.21	2.58	1.58	2.06	4.56	1.08	1.37
7	3.27	9.97	7.94	3.27	6.89	8.97	2.67	1.70	2.24	4.20	0.99	1.26
8	2.77	9.64	7.34	2.98	8.08	8.58	7.29	1.70	2.17	2.83	0.90	1.25
9	2.89	9.29	6.05	2.80	7.84	8.07	9.84	1.68	2.07	4.22	0.89	1.30
10	3.83	8.94	4.55	2.59	7.46	7.40	9.69	1.73	2.02	5.39	1.12	1.34
11	3.55	8.72	3.23	2.39	6.85	6.69	9.38	1.75	2.17	5.51	1.19	1.40
12	3.09	8.65	2.39	2.19	5.95	6.08	9.01	1.67	2.32	5.75	1.12	1.67
13	2.79	8.34	2.83	1.98	4.24	5.73	8.58	1.61	2.31	5.14	1.12	2.17
14	2.55	7.92	4.02	1.78	2.53	6.56	8.02	1.58	2.30	4.23	1.12	2.35
15	2.38	7.39	3.29	1.59	3.21	6.19	7.23	1.61	2.38	2.90	1.27	2.05
16	2.22	6.23	2.49	1.55	8.84	5.07	6.12	1.88	3.06	2.04	1.02	1.86
17	2.05	4.82	2.02	1.47	9.15	4.30	4.67	1.72	2.79	1.82	1.08	1.89
18	1.93	3.49	1.83	1.25	8.81	3.97	3.51	1.68	3.24	1.84	1.23	1.84
19	1.91	2.66	1.91	1.10	8.39	3.90	3.18	1.60	2.88	1.70	1.31	1.77
20	1.91	2.52	1.97	1.13	7.90	3.67	2.94	1.49	2.32	1.59	1.17	1.65
21	1.84	2.79	1.98	1.27	10.05	3.39	2.74	1.55	2.30	1.37	1.10	1.77
22	1.77	2.63	1.90	1.14	11.83	3.19	2.63	1.64	2.36	1.46	1.05	1.86
23	1.74	2.43	2.27	0.92	12.00	3.04	2.52	1.50	2.43	1.46	1.08	1.78
24	1.79	2.33	6.30	0.74	11.93	2.90	2.32	1.41	2.19	1.27	1.35	1.62
25	1.97	2.28	8.04	0.55	11.72	2.77	2.12	1.41	2.33	1.29	1.30	1.43
26	4.11	2.16	7.60	0.40	11.50	2.81	1.91	1.39	2.87	1.52	1.18	1.32
27	6.85	2.03	6.93	0.32	11.30	3.77	1.74	1.47	2.95	1.50	1.19	1.41
28	9.73	1.86	6.10	0.36	10.99	4.04	1.61	1.51	2.19	1.36	1.12	1.35
29	10.42	1.70	4.70	0.52	---	3.13	1.45	1.53	2.03	1.23	1.19	1.23
30	10.56	1.66	3.58	1.17	---	2.23	1.34	1.57	2.22	1.17	1.23	1.18
31	10.29	---	5.31	2.05	---	2.09	---	1.83	---	1.12	1.48	---
MAX	10.56	10.19	8.37	8.10	12.00	10.66	9.84	1.88	3.24	5.75	1.48	2.35
MIN	1.63	1.66	1.54	0.32	1.01	2.09	1.34	1.25	1.77	1.12	0.89	1.18

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA

LOCATION.--Lat 30°09'19", long 91°19'54", in sec. 34, T. 10 S., R. 11 E., Iberville Parish, Hydrologic Unit 08070300, on Bayou Sorrel bridge, 2 miles south southeast of Bayou Sorrel, La.

DRAINAGE AREA.--Indeterminate

PERIOD OF RECORD.--1980-82 (Specific Conductance, Temperature only); November 2001 to current year.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is an assumed elevation.

REMARKS.--No estimated daily discharges. Records poor. Lock and dam downstream of gage: diversions above and below station for irrigation. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 9,990 ft³/s, Oct. 29, 2002; maximum gage height, 9.22 ft, Apr. 13, 2002; maximum negative discharge, -2,910 ft³/s, May 16, 2003; minimum gage height, 4.33 ft, Nov. 21, 22, 2001.

EXTREMES FOR CURRENT YEAR.--2002 W.Y.: Maximum positive discharge, 6,080 ft³/s, Apr. 12; maximum gage height, 9.22 ft, Apr. 13; maximum negative discharge, -2,040 ft³/s, Dec. 4; minimum gage height, 4.33 ft, Nov. 21, 22.

2003 W.Y.: Maximum positive discharge, 9,990 ft³/s, Oct. 29; maximum gage height, 9.22 ft, Feb. 24; maximum negative discharge, -2,910 ft³/s, May 16; minimum gage height, 4.35 ft, Jan. 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR NOVEMBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			1,020	914	2,280	1,100	3,760	1,380	780	1,300	571	441
2			806	958	2,240	3,740	3,710	1,310	789	1,270	705	351
3			1,010	919	2,220	3,600	3,570	1,170	726	1,270	771	366
4			763	887	2,000	3,440	3,250	1,150	613	1,320	200	338
5			934	1,080	1,900	3,350	3,010	1,130	691	1,160	608	226
6			856	1,630	1,730	3,330	2,690	1,040	690	1,080	470	-176
7			650	1,630	1,700	3,260	2,450	1,050	685	967	271	-176
8			1,450	1,560	1,610	3,060	3,160	908	751	942	127	662
9			1,490	1,560	1,530	2,920	4,960	857	796	851	470	954
10			1,120	1,490	1,420	2,550	5,340	897	777	734	194	640
11		802	814	1,340	1,300	2,390	5,260	788	838	775	56	558
12		822	483	1,390	1,180	2,350	5,600	676	906	492	265	592
13		568	767	1,510	1,110	2,180	5,350	753	892	827	226	196
14		376	1,720	1,540	1,100	2,030	5,160	772	821	641	543	-28
15		249	1,710	1,440	1,040	1,810	4,980	980	896	550	261	193
16		188	1,570	1,270	983	1,540	4,920	840	985	720	284	456
17		---	1,450	1,190	918	1,560	4,640	811	950	1,110	305	466
18		---	1,440	1,190	808	1,520	4,290	955	1,040	1,600	204	238
19		---	1,350	1,460	636	1,370	3,940	1,070	983	---	401	42
20		863	1,260	1,750	938	1,410	3,690	978	1,140	---	392	-15
21		841	1,220	1,950	996	1,570	3,330	938	1,110	---	476	467
22		121	1,050	2,050	995	1,660	3,100	824	1,090	777	537	480
23		-519	851	2,020	948	1,420	2,870	794	1,090	850	828	683
24		-191	925	1,720	845	1,060	2,670	687	1,080	895	760	562
25		646	890	1,770	775	989	2,510	740	1,160	869	680	1,330
26		544	847	1,760	853	2,350	2,220	607	1,200	765	735	2,910
27		507	832	1,800	1,010	2,530	2,030	671	1,220	730	460	2,430
28		181	798	1,600	898	2,590	1,860	721	1,360	---	350	828
29		286	850	1,450	---	2,350	1,710	747	1,460	---	423	486
30		764	1,040	1,560	---	2,070	1,570	640	1,400	---	133	614
31		---	1,080	1,520	---	2,970	---	764	---	665	-91	---
TOTAL		---	33,046	45,908	35,963	70,069	107,600	27,648	28,919	---	12,615	17,114
MEAN		---	1,066	1,481	1,284	2,260	3,587	892	964	---	407	570

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			5.84	5.93	6.48	5.43	7.69	6.70	6.51	6.40	5.19	5.13
2			5.78	5.94	6.55	7.44	7.72	6.63	6.52	6.36	5.19	5.18
3			5.60	5.89	6.44	7.66	7.66	6.59	6.52	6.33	5.22	5.23
4			5.45	5.91	6.31	7.65	7.51	6.54	6.54	6.25	5.21	5.38
5			5.33	6.11	6.14	7.57	7.34	6.48	6.57	6.07	5.18	5.46
6			5.26	6.51	6.07	7.47	7.16	6.44	6.60	5.88	5.13	5.55
7			5.33	6.56	6.08	7.36	7.00	6.44	6.62	5.66	5.21	5.76
8			5.66	6.51	6.03	7.20	7.37	6.41	6.67	5.53	5.41	6.09
9			5.60	6.44	6.03	7.05	8.48	6.39	6.70	5.40	5.41	6.13
10			5.33	6.32	6.00	6.85	8.80	6.36	6.74	5.32	5.43	5.99
11		5.16	5.17	6.19	5.89	6.60	8.85	6.33	6.77	5.31	5.46	5.88
12		4.96	5.17	6.15	5.83	6.56	9.03	6.32	6.76	5.25	5.52	5.65
13		4.82	5.42	6.22	5.81	6.46	9.03	6.32	6.73	5.40	5.56	5.62
14		4.78	6.03	6.17	5.80	6.25	8.95	6.29	6.71	5.35	5.48	5.64
15		4.80	6.10	6.05	5.78	6.09	8.85	6.26	6.66	5.33	5.50	5.67
16		4.85	6.04	5.87	5.76	5.98	8.74	6.23	6.61	5.24	5.52	5.52
17		---	6.07	5.71	5.69	5.94	8.62	6.28	6.60	5.34	5.55	5.39
18		---	6.05	5.60	5.66	5.89	8.48	6.38	6.58	5.56	5.55	5.32
19		---	5.96	5.63	5.65	5.81	8.31	6.31	6.54	---	5.48	5.35
20		4.78	5.82	5.89	5.80	5.86	8.14	6.22	6.53	---	5.42	5.48
21		4.64	5.72	6.04	5.84	6.03	7.96	6.18	6.52	---	5.44	5.59
22		4.57	5.66	6.00	5.81	5.89	7.82	6.15	6.42	4.99	5.43	5.59
23		4.92	5.68	6.09	5.72	5.60	7.65	6.13	6.36	5.07	5.57	5.47
24		5.21	5.66	6.02	5.62	5.48	7.51	6.16	6.33	5.16	5.52	5.35
25		5.22	5.65	6.02	5.56	5.50	7.38	6.18	6.33	5.23	5.40	5.37
26		5.14	5.66	5.93	5.56	6.37	7.22	6.20	6.38	5.22	5.22	6.03
27		5.17	5.63	5.85	5.34	6.79	7.10	6.23	6.47	5.17	5.08	6.13
28		5.31	5.71	5.78	5.15	6.76	7.00	6.28	6.58	---	5.00	6.09
29		5.63	5.81	5.94	---	6.64	6.89	6.31	6.58	---	4.90	6.07
30		5.83	5.92	5.86	---	6.51	6.79	6.36	6.51	---	4.91	5.97
31		---	5.97	5.87	---	6.97	---	6.46	---	---	5.06	---
MAX		---	6.10	6.56	6.55	7.66	9.03	6.70	6.77	---	5.57	6.13
MIN		---	5.17	5.60	5.15	5.43	6.79	6.13	6.33	---	4.90	5.13

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	727	8,040	723	3,140	969	5,900	1,310	727	1,020	1,460	1,060	37
2	609	8,070	955	3,200	1,290	5,700	1,190	768	791	1,410	889	631
3	1,570	6,000	633	3,140	689	5,440	1,110	468	653	1,350	738	576
4	2,350	5,220	1,900	2,950	711	5,260	985	644	677	1,160	800	869
5	2,430	5,240	3,990	2,810	1,420	4,940	1,150	219	662	1,210	736	802
6	3,000	5,120	3,860	2,540	817	4,950	1,540	676	661	1,440	767	714
7	2,410	5,480	3,620	2,390	2,320	4,910	1,720	772	722	1,380	584	505
8	1,900	5,550	3,170	2,230	2,730	4,910	3,790	795	835	1,200	662	219
9	1,730	5,220	2,530	2,210	2,350	4,620	4,550	618	763	1,370	352	239
10	2,390	4,890	2,100	2,030	2,470	4,570	4,540	672	702	1,680	948	460
11	2,560	4,160	1,630	1,820	2,330	4,260	4,340	777	-0.51	1,870	1,210	402
12	2,490	4,820	1,230	1,690	1,690	4,110	4,220	863	561	1,960	1,060	219
13	2,390	3,820	978	1,580	1,920	3,920	4,180	966	691	1,930	802	675
14	2,030	4,910	1,720	1,390	1,140	3,880	4,100	1,060	871	1,720	852	484
15	1,590	3,530	1,850	1,210	2,060	3,620	3,890	1,080	1,100	1,440	657	830
16	1,540	3,850	1,300	1,280	5,210	3,540	3,640	953	1,250	1,130	886	690
17	1,190	3,410	985	1,280	4,970	3,260	3,350	1,020	1,230	1,120	757	518
18	807	2,820	736	1,170	4,600	2,930	3,120	1,010	1,320	1,180	553	1,230
19	471	1,880	847	877	3,950	2,820	2,890	953	1,350	1,040	1,070	1,130
20	789	1,320	928	971	3,530	2,610	2,560	810	1,170	1,120	950	716
21	697	1,300	739	1,060	5,280	2,450	2,220	900	1,310	1,010	857	910
22	768	1,340	418	988	7,800	2,320	1,490	1,240	1,380	1,360	1,020	1,170
23	570	1,370	650	1,060	7,980	2,160	1,660	983	1,270	1,160	48	956
24	625	868	2,790	1,170	8,060	2,100	1,870	787	1,220	872	1,230	982
25	801	1,060	2,500	863	6,960	1,950	1,590	632	1,430	1,200	1,120	732
26	2,020	1,200	2,750	721	6,170	1,870	1,350	608	1,370	1,180	269	630
27	3,070	1,120	2,770	633	5,980	1,890	1,050	493	1,290	1,180	793	244
28	5,220	1,090	2,830	441	5,830	1,890	1,260	859	1,190	1,080	507	504
29	6,500	1,040	2,760	330	---	1,760	1,030	748	1,140	948	599	808
30	6,700	476	2,620	1,120	---	1,590	952	743	1,310	859	591	622
31	6,860	---	2,870	1,240	---	1,510	---	991	---	761	-74	---
TOTAL	68,804	104,214	59,382	49,534	101,226	107,640	72,647	24,835	29,938.49	39,780	23,293	19,504
MEAN	2,219	3,474	1,916	1,598	3,615	3,472	2,422	801	998	1,283	751	650

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.85	8.16	5.82	7.58	5.05	9.11	6.05	5.44	6.01	6.57	5.41	5.82
2	5.76	7.76	5.72	7.63	5.04	9.05	5.90	5.44	5.95	6.57	5.25	5.89
3	6.54	7.67	5.66	7.60	5.01	8.97	5.79	5.47	6.09	6.52	5.19	5.88
4	7.16	7.70	6.14	7.52	5.11	8.89	5.69	5.41	6.10	6.49	5.17	5.76
5	7.18	7.95	6.71	7.42	5.10	8.79	5.78	5.47	6.12	6.51	5.13	5.73
6	7.08	8.49	6.63	7.27	5.01	8.76	6.01	5.79	6.24	6.53	5.24	5.55
7	6.95	8.51	6.49	7.10	5.52	8.82	6.32	5.85	6.32	6.51	5.15	5.47
8	6.79	8.32	6.27	6.93	5.56	8.76	7.72	5.85	6.30	6.40	5.08	5.45
9	6.91	8.32	6.13	6.75	5.59	8.67	8.33	5.86	6.24	6.43	5.10	5.51
10	7.27	8.10	5.99	6.62	5.78	8.57	8.46	5.88	6.18	6.45	5.36	5.54
11	7.22	8.08	5.88	6.40	5.58	8.43	8.46	5.96	6.38	6.47	5.35	5.61
12	7.08	7.93	5.84	6.23	5.51	8.31	8.41	5.88	6.49	6.54	5.30	5.77
13	6.92	7.78	5.93	6.03	5.59	8.19	8.32	5.80	6.47	6.47	5.29	6.08
14	6.71	7.44	6.00	5.83	5.43	8.14	8.21	5.75	6.46	6.36	5.23	6.21
15	6.57	7.40	5.93	5.65	5.94	8.05	8.06	5.78	6.47	6.20	5.24	6.16
16	6.39	7.19	5.76	5.64	7.28	7.94	7.90	6.06	6.48	6.05	5.17	6.05
17	6.23	6.91	5.62	5.57	7.34	7.82	7.72	5.84	6.48	5.98	5.30	6.13
18	6.12	6.67	5.69	5.31	7.31	7.68	7.50	5.86	6.50	5.96	5.45	6.01
19	6.13	6.53	5.88	5.18	7.21	7.62	7.26	5.79	6.43	5.81	5.45	5.92
20	6.14	6.55	5.83	5.25	7.14	7.51	7.06	5.68	6.38	5.70	5.33	5.83
21	6.09	6.62	5.83	5.34	7.62	7.39	6.86	5.79	6.40	5.50	5.27	5.98
22	5.99	6.59	5.92	5.25	8.59	7.28	6.73	5.82	6.36	5.60	5.18	6.01
23	5.97	6.50	6.22	5.01	9.00	7.14	6.62	5.68	6.29	5.60	5.34	5.95
24	6.03	6.47	7.29	4.79	9.04	7.00	6.41	5.59	6.23	5.41	5.54	5.77
25	6.11	6.44	7.50	4.58	9.09	6.86	6.25	5.58	6.31	5.46	5.45	5.62
26	6.56	6.33	7.56	4.47	9.12	6.78	6.08	5.61	6.25	5.61	5.40	5.51
27	6.99	6.23	7.52	4.44	9.18	6.72	5.90	5.70	6.25	5.59	5.36	5.63
28	7.73	6.02	7.46	4.49	9.15	6.65	5.76	5.71	6.23	5.48	5.31	5.56
29	8.21	5.87	7.36	4.68	---	6.59	5.59	5.72	6.17	5.40	5.42	5.44
30	8.59	5.88	7.20	4.99	---	6.40	5.50	5.75	6.33	5.33	5.42	5.35
31	8.52	---	7.34	5.14	---	6.22	---	6.00	---	5.25	5.69	---
MAX	8.59	8.51	7.56	7.63	9.18	9.11	8.46	6.06	6.50	6.57	5.69	6.21
MIN	5.76	5.87	5.62	4.44	5.01	6.22	5.50	5.41	5.95	5.25	5.08	5.35

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA

LOCATION.--Lat 29°40'06", long 91°05'59", sec. 23, T. 16 S., R. 13 E., Louisiana Meridian, St. Mary Parish, Hydrologic Unit 08090302, at Southern Pacific Transportation Co. railroad bridge, and approximately 300 ft upstream of U.S. Corps of Engineers water-level gage near Amelia.

DRAINAGE AREA.--Indetermined.

WATER-STAGE RECORDS

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

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--Records poor. No velocity record for Oct. 1-Feb. 4, 27, 28. Discharge and elevation affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 34,800 ft³/s, Nov. 25, 1999; maximum elevation, 4.24 ft, Apr. 11, 1997; maximum negative discharge, -21,100 ft³/s, Nov. 6, 2000; minimum elevation, -0.37 ft, Feb. 5, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum recorded positive discharge, 19,500 ft³/s, Apr. 9; maximum elevation, 2.07 ft, Apr. 9; maximum recorded negative discharge, -15,600 ft³/s, Feb. 9; minimum elevation, -1.81 ft, Feb. 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	4,430	1,860	-759	-2,730	5,920	3,390	-1,890
2	---	---	---	---	---	5,060	4,660	973	-3,810	5,210	2,790	3,660
3	---	---	---	---	---	4,200	175	1,710	-3,160	5,300	2,190	7,440
4	---	---	---	---	---	-1,520	-977	-4,690	-1,820	7,200	1,430	7,320
5	---	---	---	---	2,810	-1,580	2,020	-10,000	-1,440	7,390	39	4,770
6	---	---	---	---	-2,940	2,740	-3,430	-8,630	-4,040	9,150	579	2,900
7	---	---	---	---	12,000	3,350	1,450	-6,220	1,870	8,770	-167	89
8	---	---	---	---	-122	2,230	11,100	-998	4,700	8,470	5,820	-1,620
9	---	---	---	---	-6,670	3,410	17,400	-1,780	2,890	7,380	-2,050	-2,560
10	---	---	---	---	5,390	4,810	13,800	-4,410	-138	6,370	808	2,040
11	---	---	---	---	793	2,800	11,300	1,440	5,170	7,250	-407	873
12	---	---	---	---	1,540	1,550	11,900	10,400	6,950	5,610	-1,710	-4,400
13	---	---	---	---	1,320	2,950	10,900	6,590	6,090	1,190	-19	-751
14	---	---	---	---	-1,680	3,310	9,770	-473	6,980	-1,390	3,020	6,900
15	---	---	---	---	-2,180	3,300	8,310	-557	6,650	-2,010	2,760	5,050
16	---	---	---	---	7,530	465	1,100	-2,590	7,470	6,430	-1,420	3,620
17	---	---	---	---	7,870	2,380	5,630	-5,160	7,550	7,150	-744	95
18	---	---	---	---	1,790	-640	7,590	2,830	7,800	9,600	5,260	838
19	---	---	---	---	2,050	122	102	2,600	5,300	8,820	1,250	1,120
20	---	---	---	---	3,620	2,430	2,930	1,240	5,320	7,360	1,600	3,340
21	---	---	---	---	-4,540	8,870	8,010	2,170	3,900	5,050	3,780	-2,630
22	---	---	---	---	348	9,340	4,590	2,230	5,850	963	-617	3,620
23	---	---	---	---	4,580	9,780	2,680	427	6,010	269	-1,940	6,720
24	---	---	---	---	8,390	7,870	-4,690	-2,250	4,120	4,910	-1,530	-808
25	---	---	---	---	9,230	5,960	279	-3,660	3,310	2,820	-902	2,960
26	---	---	---	---	5,440	9,210	7,330	-3,790	2,570	1,410	-1,810	-2,280
27	---	---	---	---	---	4,600	4,950	152	1,880	2,280	-1,250	898
28	---	---	---	---	---	1,680	2,630	-2,380	3,340	990	281	8,010
29	---	---	---	---	---	12,000	285	-3,130	-161	616	1,810	6,920
30	---	---	---	---	---	10,700	-765	-3,760	2,800	1,780	-6,400	2,990
31	---	---	---	---	---	4,530	---	-4,940	---	1,860	-6,770	---
TOTAL	---	---	---	---	---	130,337	142,889	-37,415	91,221	144,118	9,071	65,234
MEAN	---	---	---	---	---	4,204	4,763	-1,207	3,041	4,649	293	2,174

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA—Continued

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	1.64	0.97	2.05	0.98	2.16	1.90	1.87	2.39	2.71	1.53	2.24
2	2.07	1.51	1.09	2.06	1.00	2.20	1.86	1.83	2.43	2.66	1.48	2.17
3	2.40	1.71	1.19	1.83	1.12	2.24	1.84	1.80	2.62	2.63	1.48	2.08
4	2.97	1.84	1.36	1.82	1.13	2.35	1.95	1.77	2.66	2.58	1.49	1.95
5	2.78	2.14	1.15	1.87	0.81	2.45	1.95	2.06	2.68	2.52	1.53	1.88
6	2.50	1.83	0.85	1.82	1.05	2.55	1.92	2.21	2.80	2.42	1.55	1.76
7	2.29	1.62	0.96	1.72	0.71	2.55	2.12	2.29	2.84	2.39	1.61	1.79
8	2.16	1.72	0.96	1.67	0.52	2.59	2.33	2.25	2.77	2.32	1.43	1.84
9	2.30	1.79	0.93	1.67	0.93	2.64	2.12	2.25	2.71	2.25	1.45	1.92
10	2.45	1.92	1.07	1.73	1.08	2.63	1.92	2.26	2.65	2.20	1.49	1.88
11	2.35	2.08	1.13	1.55	0.90	2.64	1.86	2.34	2.81	2.14	1.50	1.85
12	2.27	1.75	1.16	1.56	1.05	2.70	1.80	2.09	2.87	2.07	1.55	2.04
13	2.07	1.32	1.50	1.57	0.96	2.73	1.74	1.89	2.79	2.11	1.57	2.21
14	1.78	1.52	0.96	1.58	1.09	2.77	1.68	1.96	2.72	2.21	1.55	2.06
15	1.85	1.62	0.96	1.55	1.39	2.77	1.60	2.01	2.65	2.30	1.42	2.00
16	1.62	1.17	1.00	1.69	1.51	2.83	1.76	1.98	2.57	2.20	1.61	1.95
17	1.74	0.96	1.09	1.38	1.15	2.91	1.89	2.15	2.49	2.06	1.71	2.01
18	1.68	1.17	1.32	1.34	1.19	2.91	1.75	2.15	2.46	1.98	1.58	2.03
19	1.90	1.18	1.55	1.36	1.35	2.96	1.79	2.06	2.43	1.85	1.56	2.03
20	1.82	1.27	1.34	1.41	1.31	2.92	1.86	2.05	2.45	1.67	1.57	1.93
21	1.73	1.38	1.23	1.43	1.60	2.81	1.81	2.11	2.45	1.59	1.48	2.03
22	1.65	1.34	1.37	1.40	2.18	2.67	1.75	2.06	2.42	1.64	1.48	2.11
23	1.78	1.11	1.37	0.97	1.93	2.55	1.74	2.06	2.36	1.71	1.61	1.91
24	1.78	1.25	1.94	0.72	1.98	2.44	1.92	2.09	2.34	1.65	1.69	1.97
25	1.90	1.34	1.55	0.83	1.93	2.40	2.13	2.13	2.38	1.58	1.72	1.95
26	1.89	1.36	1.41	0.82	2.04	2.36	1.93	2.21	2.39	1.59	1.77	2.00
27	1.97	1.05	1.46	0.89	2.09	2.33	1.78	2.25	2.42	1.60	1.83	2.06
28	2.10	0.82	1.48	1.03	2.07	2.41	1.78	2.23	2.42	1.63	1.82	1.89
29	2.17	0.91	1.59	1.09	---	2.28	1.79	2.28	2.45	1.65	1.78	1.53
30	2.14	1.11	1.74	1.08	---	2.00	1.85	2.30	2.72	1.67	2.01	1.51
31	1.82	---	2.18	1.12	---	1.85	---	2.35	---	1.62	2.21	---
MAX	2.97	2.14	2.18	2.06	2.18	2.96	2.33	2.35	2.87	2.71	2.21	2.24
MIN	1.62	0.82	0.85	0.72	0.52	1.85	1.60	1.77	2.34	1.58	1.42	1.51

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 2000 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: March 2000 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 3, 4, Nov. 28 to Feb. 4, and June 24-Aug. 1-27 when records good.

SALINITY: Records excellent except for Oct. 3, 4, Nov. 28 to Feb. 4, and June 24-Aug. 1-27 when records good.

WATER TEMPERATURE: Records good except for Jan. 2 to Feb. 4, and Sept. 23-30 when records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 21,900 microsiemens/cm, Oct. 3, 2002; minimum, recorded, 119 microsiemens/cm, June 24, 2001.

SALINITY: Maximum recorded, 13.2 ppt, Oct. 3, 2002; minimum recorded, 0.1 ppt, many days.

WATER TEMPERATURE: Maximum recorded, 34.8°C, July 20, 2002; minimum recorded, 4.1°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 21,900 microsiemens/cm, Oct. 3; minimum, 183 microsiemens/cm, Nov. 25.

SALINITY: Maximum, 13.2 ppt, Oct. 3; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.3°C, Aug. 20; minimum, 7.8°C, Jan. 25, 26, 27.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	320	304	313	264	222	238	300	195	216	270	235	248
2	344	298	317	236	212	225	305	213	266	267	243	255
3	21,900	283	5,690	283	195	222	318	225	276	285	264	271
4	20,500	11,000	17,700	281	191	226	331	235	290	282	257	268
5	11,300	2,500	3,890	332	190	266	239	216	226	279	247	262
6	3,560	2,480	2,930	241	214	228	256	212	222	274	246	257
7	3,350	1,730	2,570	243	224	232	288	223	256	262	248	253
8	2,390	1,430	1,900	233	207	218	305	223	255	260	243	251
9	3,640	2,370	3,130	218	207	213	246	230	239	257	239	245
10	2,910	2,130	2,340	280	196	234	304	239	260	256	231	245
11	2,330	1,540	1,880	264	214	234	269	236	247	270	250	259
12	1,730	1,210	1,520	219	201	207	276	233	245	272	256	265
13	1,270	1,040	1,120	203	191	197	282	234	259	272	249	261
14	1,140	505	823	208	193	199	241	229	234	270	240	252
15	1,120	449	669	211	193	201	259	237	246	255	240	248
16	622	356	465	210	203	206	278	240	253	263	246	252
17	632	474	497	227	194	203	287	232	252	264	248	255
18	619	490	528	230	191	209	315	285	306	270	253	260
19	550	450	488	208	190	198	316	269	294	280	257	267
20	779	476	676	211	191	198	283	258	268	274	262	268
21	814	658	724	232	194	206	274	253	259	279	261	268
22	681	494	592	215	197	206	284	254	270	281	258	267
23	551	482	518	215	187	201	280	250	259	277	268	272
24	525	387	479	277	185	231	297	256	280	284	264	269
25	492	416	443	275	183	214	258	252	254	298	274	286
26	449	407	428	296	186	226	260	240	248	299	273	284
27	481	397	423	208	196	201	254	237	243	300	278	291
28	463	380	425	208	195	200	247	237	241	307	287	299
29	412	366	382	263	207	234	261	233	240	312	290	302
30	423	319	361	319	226	270	274	225	246	318	291	301
31	375	251	325	---	---	---	293	268	282	310	292	301
MONTH	21,900	251	1,760	332	183	218	331	195	256	318	231	267

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	307	280	292	273	261	268	231	222	225	311	255	283
2	311	282	296	266	254	261	233	222	228	311	261	281
3	313	292	305	262	253	257	234	228	230	296	257	274
4	321	273	294	261	248	255	235	227	231	352	255	298
5	280	274	277	264	260	263	236	227	230	379	348	364
6	301	280	292	265	255	261	301	231	250	389	379	384
7	300	280	288	257	236	245	303	262	281	396	387	392
8	304	277	285	246	242	243	267	238	246	398	381	390
9	350	295	308	247	239	242	240	229	233	393	379	389
10	353	319	332	246	241	243	234	228	230	394	387	392
11	323	299	311	246	238	242	231	212	221	395	368	389
12	326	308	316	244	239	241	223	214	218	369	353	360
13	323	300	309	245	240	242	226	218	221	361	337	346
14	339	304	319	242	237	240	230	220	226	356	341	346
15	360	339	349	242	237	239	226	219	223	359	338	348
16	362	315	338	241	237	239	234	225	231	362	335	347
17	319	306	314	241	237	239	238	225	234	367	361	363
18	310	298	305	241	237	239	235	218	225	366	351	356
19	326	299	307	242	238	240	262	220	236	355	344	350
20	305	299	301	242	233	236	264	229	244	350	337	344
21	357	299	315	236	229	232	251	231	235	350	333	341
22	368	326	362	233	229	230	239	232	235	344	329	337
23	337	316	326	233	229	231	286	231	238	335	324	330
24	331	317	323	233	230	232	344	286	317	338	328	332
25	319	305	313	234	231	232	350	314	336	342	336	339
26	310	277	291	235	232	234	321	265	290	342	337	340
27	283	277	280	234	226	230	272	251	260	341	338	339
28	283	273	278	232	228	230	259	241	248	344	338	341
29	---	---	---	230	226	228	248	241	244	345	332	339
30	---	---	---	231	228	229	292	243	261	333	326	330
31	---	---	---	231	228	229	---	---	---	330	325	327
MONTH	368	273	308	273	226	241	350	212	244	398	255	345
	JUNE			JULY			AUGUST			SEPTEMBER		
1	332	327	329	249	226	236	217	205	209	314	295	307
2	332	329	331	239	224	229	211	207	209	333	312	323
3	335	329	331	228	220	225	214	211	213	325	313	319
4	---	---	---	230	225	227	216	213	214	326	321	324
5	---	---	---	230	220	227	240	213	220	326	308	323
6	---	---	---	224	213	218	238	220	227	312	298	304
7	---	---	---	214	203	210	241	223	231	311	297	303
8	---	---	---	207	195	203	244	238	241	318	307	312
9	---	---	---	199	195	197	289	244	262	323	317	320
10	---	---	---	198	188	193	343	289	310	332	322	329
11	---	---	---	193	187	191	330	282	292	331	325	328
12	---	---	---	196	187	192	299	284	293	331	326	329
13	---	---	---	215	196	205	302	295	299	341	331	336
14	---	---	---	229	210	218	310	279	293	346	329	340
15	---	---	---	243	228	235	285	263	274	332	322	328
16	---	---	---	244	233	238	318	271	290	325	310	319
17	---	---	---	234	219	226	354	317	334	328	311	319
18	---	---	---	225	216	222	355	278	319	334	319	326
19	---	---	---	225	204	219	308	275	288	339	320	328
20	---	---	---	204	191	197	300	266	278	332	315	319
21	---	---	---	198	195	197	269	259	264	320	312	316
22	---	---	---	219	195	202	297	259	270	324	318	321
23	---	---	---	214	187	199	342	292	313	324	308	315
24	---	---	---	224	193	201	366	330	345	322	308	314
25	247	245	246	213	195	205	366	344	353	325	316	321
26	247	236	239	258	213	227	364	342	353	319	311	315
27	237	231	233	251	227	238	366	342	356	315	306	312
28	239	226	231	244	222	228	359	334	345	312	308	310
29	249	234	242	253	221	233	350	314	328	313	309	311
30	252	242	247	249	224	234	317	280	301	318	312	316
31	---	---	---	234	209	216	295	283	288	---	---	---
MONTH	---	---	---	258	187	216	366	205	284	346	295	320

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
3	13.2	0.1	3.3	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
4	12.2	6.2	10.4	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
5	6.4	1.3	2.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	1.9	1.3	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	1.7	0.9	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	1.2	0.7	1.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
9	1.9	1.2	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	1.5	1.1	1.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
11	1.2	0.8	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12	0.9	0.6	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.6	0.5	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.6	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.6	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1
19	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
20	0.4	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21	0.4	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
25	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
26	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
27	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
28	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
29	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
30	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
31	0.2	0.1	0.2	---	---	---	0.1	0.1	0.1	0.2	0.1	0.2
MONTH	13.2	0.1	1.0	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1
FEBRUARY			MARCH			APRIL			MAY			
1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
6	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
7	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
8	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
9	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
10	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
11	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
12	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
13	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
14	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
15	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
16	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
17	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
18	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
19	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
20	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
21	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
22	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
23	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
24	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
29	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
30	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
31	---	---	---	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
MONTH	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
4	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
5	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
6	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
7	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
8	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
9	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
10	---	---	---	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
11	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
12	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
13	---	---	---	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
14	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
15	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
16	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
17	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
18	---	---	---	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
19	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
20	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
21	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
22	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
23	---	---	---	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
24	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
25	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
26	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
27	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
28	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
29	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
30	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
31	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
MONTH	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.7	26.4	26.8	22.5	21.0	21.7	14.7	13.0	13.8	14.5	13.4	14.1
2	27.7	26.8	27.2	21.0	19.7	20.0	13.6	12.8	13.1	14.5	13.6	14.2
3	27.3	26.0	26.5	19.8	19.3	19.5	14.4	12.9	13.6	13.6	12.3	12.8
4	26.8	25.8	26.1	20.0	19.6	19.8	15.8	13.4	14.4	12.9	12.1	12.6
5	28.3	26.8	27.4	20.5	20.0	20.2	16.1	13.1	14.6	13.7	12.4	13.0
6	28.3	26.6	27.4	20.3	18.7	19.3	13.1	11.5	12.2	13.8	13.3	13.5
7	28.1	26.9	27.4	19.2	17.8	18.5	12.3	11.5	11.9	13.5	12.4	12.9
8	27.6	26.5	27.1	19.1	18.6	18.9	12.2	11.4	11.8	13.3	12.3	12.7
9	27.2	25.8	26.4	19.7	18.9	19.3	12.0	11.3	11.8	13.2	12.8	12.9
10	26.2	25.4	25.8	21.4	19.1	20.1	11.7	11.4	11.6	14.3	13.0	13.7
11	26.1	25.5	25.8	22.4	19.8	21.2	12.7	11.3	11.8	13.8	12.3	12.7
12	26.2	25.0	25.5	22.2	20.0	21.3	12.0	11.5	11.7	12.3	11.1	11.5
13	25.7	24.8	25.3	20.0	18.6	19.1	12.4	11.6	11.9	11.1	10.1	10.4
14	24.8	23.3	23.8	18.8	18.4	18.6	12.6	11.5	12.0	10.6	9.9	10.3
15	23.5	22.4	23.0	19.2	18.5	18.8	12.6	11.7	12.2	10.7	10.0	10.3
16	22.4	21.3	21.8	18.8	16.0	17.5	13.3	11.4	12.3	11.3	10.5	10.8
17	23.1	21.5	22.0	16.0	15.1	15.5	14.2	11.9	13.0	11.2	9.5	10.0
18	22.5	21.6	22.0	15.7	15.4	15.6	13.0	11.8	12.4	10.0	9.6	9.7
19	23.3	21.7	22.6	16.5	15.6	16.1	16.5	12.6	14.4	10.3	8.6	9.6
20	23.2	22.4	22.8	16.8	16.3	16.6	16.3	15.1	15.6	11.4	9.1	10.2
21	23.2	22.6	22.9	17.3	16.0	16.7	15.7	14.0	15.2	12.5	10.8	11.6
22	23.5	23.0	23.3	17.1	16.2	16.7	16.6	13.7	15.0	13.1	12.4	12.7
23	23.8	22.9	23.4	16.3	15.0	15.6	16.6	14.4	16.3	12.7	9.6	10.8
24	24.1	23.3	23.7	16.3	14.6	15.4	16.1	13.9	14.8	9.6	8.1	8.6
25	23.9	22.8	23.2	17.1	15.1	16.2	15.6	14.0	14.4	8.3	7.8	8.0
26	23.7	23.0	23.5	17.6	15.2	16.3	14.0	12.8	13.2	8.2	7.8	8.0
27	24.2	23.0	23.7	16.7	14.9	15.8	13.0	12.3	12.7	8.8	7.8	8.2
28	24.6	23.0	23.9	14.9	13.9	14.3	13.6	12.3	12.8	9.2	8.0	8.4
29	24.5	23.9	24.3	14.4	13.4	13.9	13.6	12.9	13.4	11.0	8.5	9.6
30	25.6	23.8	24.1	14.7	13.3	13.9	14.3	12.8	13.6	12.5	9.4	11.0
31	24.1	22.5	23.1	---	---	---	14.0	12.1	12.9	12.8	9.8	11.3
MONTH	28.3	21.3	24.6	22.5	13.3	17.7	16.6	11.3	13.2	14.5	7.8	11.2
FEBRUARY			MARCH			APRIL			MAY			
1	14.0	11.4	12.8	15.2	14.8	15.0	18.0	16.8	17.5	25.4	22.5	24.0
2	14.7	10.8	12.6	15.6	15.1	15.3	18.4	17.8	18.2	27.0	22.9	25.2
3	14.4	10.9	12.1	15.5	14.4	15.0	19.6	18.3	18.9	27.6	25.0	26.5
4	15.1	10.9	13.5	15.6	14.2	14.7	19.8	18.9	19.4	28.0	23.8	26.1
5	15.0	11.8	14.0	15.4	13.6	14.6	21.6	19.5	20.7	24.1	23.1	23.7
6	12.7	11.8	12.2	16.0	13.4	14.6	22.3	19.6	21.4	24.2	23.0	23.4
7	12.7	11.2	12.2	17.8	16.0	16.6	22.4	19.6	20.9	24.2	23.8	24.0
8	11.2	9.8	10.5	17.1	16.4	16.7	22.1	20.8	21.7	25.7	23.9	24.7
9	11.0	8.8	10.4	18.5	16.6	17.5	20.8	16.8	18.8	26.1	24.4	24.9
10	11.8	8.6	10.3	19.6	18.5	19.1	17.2	15.5	16.4	25.6	24.5	24.9
11	12.0	10.7	11.4	20.5	19.5	20.0	18.0	16.3	17.0	28.2	25.3	26.3
12	12.6	10.6	11.5	20.6	19.8	20.1	20.3	17.1	18.3	28.4	27.2	27.6
13	14.3	11.9	13.2	20.5	20.0	20.3	21.9	18.6	19.9	28.1	26.9	27.4
14	15.0	11.7	13.0	21.4	20.0	20.5	22.8	20.1	21.2	28.2	26.4	27.6
15	13.7	11.7	12.3	22.4	21.2	21.9	22.6	21.5	22.0	28.2	26.4	27.2
16	15.6	12.1	14.0	22.2	21.5	21.8	22.4	21.2	21.7	28.2	26.1	27.5
17	15.0	13.6	14.2	22.3	21.3	21.7	24.2	21.8	22.8	26.3	25.2	25.8
18	14.7	14.0	14.3	22.3	21.3	21.9	25.6	24.1	24.7	28.3	25.2	27.1
19	15.6	12.4	14.3	22.1	21.4	21.7	25.5	22.3	24.0	29.4	27.2	28.2
20	15.9	15.2	15.5	22.1	21.6	21.8	25.1	22.3	24.0	29.1	28.2	28.5
21	16.2	11.8	14.8	21.7	20.3	20.9	25.4	24.0	24.9	29.6	28.1	28.6
22	15.3	10.8	12.1	21.6	19.9	20.7	25.6	24.6	25.1	28.7	27.9	28.2
23	15.1	11.3	13.9	22.0	20.5	21.3	24.8	20.9	24.0	28.0	26.8	27.5
24	16.8	13.6	15.4	22.0	21.0	21.5	22.0	20.3	20.9	28.7	26.7	27.6
25	16.8	15.7	16.1	22.0	21.1	21.5	23.7	20.4	21.8	26.7	25.3	25.9
26	16.0	15.3	15.6	21.5	20.6	21.1	24.8	23.2	23.9	26.4	25.1	25.5
27	15.5	14.9	15.3	21.4	20.0	20.5	24.8	23.7	24.3	26.2	25.3	25.6
28	15.5	14.9	15.1	22.2	20.5	21.3	26.2	24.2	25.3	26.5	25.4	25.8
29	---	---	---	22.1	18.5	20.4	26.8	25.3	25.9	25.9	24.9	25.5
30	---	---	---	18.5	16.7	17.4	25.5	22.8	24.5	25.7	24.8	25.0
31	---	---	---	17.2	16.3	16.8	---	---	---	25.2	24.7	24.9
MONTH	16.8	8.6	13.3	22.4	13.4	19.2	26.8	15.5	21.7	29.6	22.5	26.2

073814675 BAYOU BOEUF AT RAILROAD BRIDGE AT AMELIA, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.7	25.0	25.5	28.9	26.8	27.7	31.9	30.4	30.8	30.4	29.8	30.1
2	26.1	25.4	25.6	29.0	28.2	28.5	31.4	30.6	30.9	31.3	30.0	30.3
3	26.0	25.4	25.6	29.5	28.4	29.0	31.7	30.3	30.9	31.8	29.8	30.5
4	---	---	---	29.4	28.8	29.0	32.8	31.0	31.6	31.5	30.9	31.1
5	---	---	---	28.9	28.2	28.6	33.0	31.4	32.2	30.9	29.1	30.4
6	---	---	---	28.7	28.0	28.2	32.9	31.5	32.3	30.0	28.3	29.1
7	---	---	---	28.4	27.6	28.0	32.6	31.1	31.8	30.0	28.7	29.4
8	---	---	---	28.6	27.8	28.1	32.0	31.2	31.6	30.6	29.6	30.0
9	---	---	---	29.7	28.0	28.7	31.9	31.0	31.3	29.9	29.0	29.6
10	---	---	---	30.3	29.2	29.6	32.0	30.6	31.3	29.9	28.6	29.1
11	---	---	---	30.5	29.5	30.0	32.0	30.9	31.4	29.0	28.0	28.4
12	---	---	---	30.8	29.6	30.1	31.4	30.2	30.7	28.7	27.9	28.4
13	---	---	---	30.7	29.5	29.9	30.2	29.4	29.8	29.6	28.5	28.8
14	---	---	---	29.9	29.1	29.3	30.6	28.6	29.4	29.9	28.4	29.1
15	---	---	---	29.3	28.6	29.0	29.7	28.7	29.2	29.7	29.2	29.4
16	---	---	---	30.3	29.0	29.5	32.1	29.3	30.0	29.4	28.4	28.9
17	---	---	---	30.2	29.5	29.8	31.0	29.7	30.0	29.2	27.8	28.5
18	---	---	---	30.5	28.6	29.4	32.0	29.8	30.7	29.0	27.8	28.4
19	---	---	---	31.1	29.1	29.9	32.7	30.6	31.4	29.8	28.1	28.8
20	---	---	---	31.0	30.0	30.5	33.3	30.7	31.8	29.0	27.9	28.7
21	---	---	---	30.9	30.1	30.4	32.0	31.0	31.5	27.9	27.3	27.5
22	---	---	---	31.3	30.3	30.8	31.2	30.4	30.8	27.4	26.9	27.1
23	---	---	---	30.7	30.2	30.5	31.2	30.5	30.8	26.9	25.9	26.4
24	---	---	---	30.2	29.0	29.5	31.5	30.7	30.9	28.1	26.5	26.9
25	31.3	30.4	30.8	30.8	29.2	29.8	31.1	30.5	30.8	27.1	26.3	26.6
26	31.7	30.2	30.7	31.0	29.1	29.8	31.1	30.1	30.6	28.0	26.6	27.0
27	31.3	30.6	30.9	30.9	29.2	29.8	31.3	30.2	30.7	27.8	26.9	27.2
28	31.9	30.2	30.9	30.8	29.5	30.1	31.4	30.1	30.6	27.3	26.6	27.0
29	31.6	30.2	30.5	31.3	30.3	30.6	30.9	29.8	30.3	26.6	23.9	24.8
30	30.4	27.5	29.4	31.3	30.3	30.8	30.6	29.9	30.3	24.2	22.7	23.6
31	---	---	---	31.3	30.6	30.9	30.3	29.9	30.1	---	---	---
MONTH	---	---	---	31.3	26.8	29.5	33.3	28.6	30.9	31.8	22.7	28.4

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi above mouth, 5.5 mi west of Old River Control Structure, and 5.6 mi west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to current year.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 03600.

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diameter percent <.063 mm (75µm)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
OCT					
08...	1030	122,000	91	182	60,100
NOV					
13...	0930	73,900	100	264	52,700
DEC					
03...	0930	63,000	75	194	69,800
17...	1000	77,900	98	155	32,500
JAN					
14...	1145	162,000	80	179	78,500
28...	0930	79,000	97	183	32,700
FEB					
11...	1130	63,300	100	281	48,000
25...	1000	160,000	91	345	149,000
MAR					
06...	1215	305,000	74	273	225,000
25...	1100	160,000	91	170	73,300
APR					
08...	1130	141,000	94	212	81,000
22...	0930	192,000	74	183	133,000
MAY					
16...	1045	270,000	86	325	237,000
28...	1000	398,000	49	253	272,000
JUN					
10...	0930	285,000	86	187	144,000
JUL					
15...	1000	91,900	98	155	38,400
AUG					
25...	1000	144,000	91	155	60,300
SEP					
30...	1000	99,800	89	129	34,700

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA--Continued

SUSPENDED SEDIMENT LOAD, TONS PER DAY
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80,000	61,000	81,000	111,000	37,000	197,000	86,000	126,000	262,000	107,000	67,000	30,000
2	79,000	64,000	78,000	108,000	39,000	208,000	84,000	126,000	258,000	100,000	68,000	30,000
3	81,000	62,000	70,000	88,000	41,000	216,000	85,000	128,000	252,000	94,000	68,000	28,000
4	85,000	62,000	63,000	82,000	39,000	217,000	83,000	130,000	238,000	87,000	69,000	29,000
5	72,000	34,000	49,000	81,000	38,000	211,000	81,000	133,000	219,000	83,000	72,000	31,000
6	80,000	16,000	28,000	80,000	43,000	217,000	83,000	135,000	199,000	79,000	72,000	31,000
7	80,000	8,000	30,000	75,000	45,000	222,000	84,000	133,000	189,000	74,000	69,000	31,000
8	104,000	19,000	32,000	76,000	39,000	216,000	81,000	128,000	175,000	60,000	66,000	31,000
9	112,000	36,000	32,000	76,000	41,000	220,000	80,000	129,000	159,000	46,000	65,000	32,000
10	107,000	40,000	36,000	83,000	45,000	225,000	80,000	136,000	144,000	40,000	62,000	39,000
11	99,000	43,000	38,000	88,000	48,000	258,000	78,000	144,000	122,000	41,000	60,000	49,000
12	91,000	53,000	44,000	86,000	56,000	269,000	75,000	163,000	116,000	37,000	60,000	65,000
13	90,000	53,000	45,000	86,000	60,000	237,000	73,000	187,000	105,000	38,000	58,000	70,000
14	88,000	65,000	34,000	78,000	64,000	223,000	69,000	210,000	94,000	38,000	57,000	78,000
15	87,000	68,000	34,000	78,000	76,000	217,000	65,000	222,000	88,000	38,000	56,000	81,000
16	93,000	73,000	35,000	78,000	92,000	198,000	75,000	237,000	87,000	41,000	56,000	78,000
17	98,000	71,000	32,000	74,000	99,000	181,000	72,000	238,000	88,000	44,000	55,000	81,000
18	95,000	72,000	32,000	71,000	105,000	163,000	76,000	231,000	84,000	51,000	54,000	74,000
19	96,000	102,000	35,000	68,000	114,000	130,000	83,000	235,000	101,000	65,000	54,000	62,000
20	96,000	110,000	33,000	69,000	127,000	105,000	100,000	244,000	107,000	69,000	52,000	49,000
21	100,000	107,000	42,000	63,000	129,000	90,000	120,000	215,000	101,000	72,000	53,000	45,000
22	92,000	115,000	52,000	57,000	120,000	86,000	133,000	240,000	112,000	82,000	53,000	42,000
23	92,000	112,000	75,000	53,000	134,000	82,000	134,000	253,000	112,000	88,000	50,000	43,000
24	98,000	110,000	91,000	49,000	134,000	78,000	134,000	261,000	112,000	89,000	48,000	37,000
25	87,000	106,000	97,000	45,000	149,000	73,000	134,000	269,000	117,000	82,000	46,000	32,000
26	84,000	92,000	103,000	42,000	163,000	75,000	131,000	270,000	119,000	78,000	41,000	33,000
27	83,000	81,000	99,000	38,000	168,000	74,000	125,000	273,000	113,000	76,000	38,000	33,000
28	82,000	88,000	113,000	33,000	185,000	72,000	116,000	271,000	109,000	74,000	36,000	33,000
29	64,000	85,000	113,000	35,000	---	75,000	116,000	275,000	108,000	73,000	34,000	32,000
30	66,000	85,000	113,000	36,000	---	80,000	120,000	275,000	108,000	71,000	32,000	35,000
31	66,000	---	128,000	34,000	---	85,000	---	272,000	---	67,000	31,000	---
TOTAL	2,727,000	2,093,000	1,887,000	2,121,000	2,432,000	4,998,000	2,853,000	6,319,000	4,214,000	2,084,000	1,702,000	1,364,000
MEAN	88,000	69,800	60,900	68,400	86,900	161,000	95,100	204,000	140,000	67,200	54,900	45,500
MAX	112,000	115,000	128,000	111,000	185,000	269,000	134,000	275,000	262,000	107,000	72,000	81,000
MIN	64,000	8,000	38,000	33,000	37,000	72,000	65,000	126,000	87,000	37,000	31,000	28,000
MED	88,000	69,500	45,000	75,000	70,000	197,000	83,500	231,000	112,000	72,000	56,000	36,000

Results were revised 2018-5-24
Please refer to USGS Scientific Investigations Report 2018-5124
<https://doi.org/10.3133/sir2018-5124>
Please direct inquiries to
gs-w-lmg_mssediment@usgs.gov

WATER-QUALITY RECORDS

LOCATION.--Lat 30°58'57", long 91°47'54" in NE ¼ SW ¼ 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 TEMPERATURE: December 1975 to September 1976, October 1977 to September 1984, May 1990 to August 1992, discontinued.

CHLORIDE: October 1974 to September 1984, May 1990 to August 1992, discontinued.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 03045.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 627 micromhos Nov. 17, 1978; minimum daily, 179 micromhos Feb. 1, 1979.

WATER TEMPERATURE: 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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diameter percent <.063mm (70334)	Suspended sediment concentration mg/l (80154)	Suspended sediment load, tons/d (80155)
OCT					
09...	1000	156,000	83	193	81,300
NOV					
05...	1100	145,000	92	313	122,000
DEC					
04...	1000	141,000	92	166	59,000
18...	1000	120,000	98	127	41,200
JAN					
08...	1020	292,000	61	256	186,000
22...	0945	183,000	88	199	89,500
FEB					
05...	1030	100,000	99	182	49,200
19...	1000	180,000	84	194	94,400
MAR					
06...	1015	413,000	51	470	469,000
18...	1000	391,000	49	220	232,000
APR					
02...	1000	247,000	70	164	109,000
13...	0930	169,000	91	202	104,000
MAY					
06...	1030	200,000	87	157	85,000
JUN					
11...	0900	289,000	87	172	134,000
JUL					
08...	1030	108,000	92	143	76,400
AUG					
06...	1100	177,000	82	130	62,200
SEP					
16...	1030	196,000	91	212	112,000

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA—Continued

SUSPENDED SEDIMENT LOAD, TONS PER DAY
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87,000	103,000	75,000	196,000	59,000	393,000	117,000	102,000	242,000	111,000	57,000	43,000
2	80,000	100,000	68,000	202,000	59,000	421,000	109,000	98,000	241,000	107,000	59,000	43,000
3	77,000	96,000	61,000	188,000	56,000	447,000	104,000	95,000	241,000	101,000	59,000	39,000
4	95,000	119,000	59,000	184,000	53,000	468,000	100,000	94,000	237,000	97,000	58,000	37,000
5	81,000	122,000	66,000	184,000	49,000	448,000	93,000	89,000	226,000	96,000	61,000	40,000
6	75,000	136,000	57,000	186,000	45,000	441,000	89,000	85,000	211,000	93,000	62,000	42,000
7	69,000	127,000	52,000	184,000	51,000	432,000	88,000	87,000	198,000	87,000	61,000	45,000
8	77,000	125,000	51,000	185,000	48,000	410,000	89,000	84,000	183,000	76,000	60,000	48,000
9	81,000	136,000	47,000	179,000	51,000	392,000	96,000	90,000	169,000	65,000	59,000	48,000
10	81,000	133,000	48,000	182,000	53,000	378,000	95,000	94,000	155,000	55,000	57,000	52,000
11	80,000	128,000	46,000	186,000	50,000	387,000	95,000	99,000	134,000	54,000	56,000	61,000
12	78,000	125,000	47,000	180,000	57,000	394,000	95,000	112,000	121,000	52,000	58,000	84,000
13	77,000	111,000	47,000	176,000	60,000	359,000	90,000	123,000	119,000	51,000	58,000	96,000
14	75,000	109,000	47,000	161,000	62,000	324,000	88,000	138,000	109,000	50,000	56,000	111,000
15	74,000	107,000	48,000	151,000	63,000	308,000	84,000	145,000	104,000	48,000	57,000	118,000
16	74,000	102,000	46,000	148,000	78,000	279,000	82,000	158,000	105,000	49,000	57,000	112,000
17	78,000	94,000	44,000	138,000	85,000	255,000	84,000	170,000	104,000	48,000	60,000	112,000
18	75,000	87,000	41,000	128,000	90,000	232,000	82,000	177,000	106,000	52,000	58,000	105,000
19	80,000	103,000	44,000	119,000	94,000	201,000	84,000	180,000	114,000	61,000	56,000	93,000
20	78,000	114,000	45,000	117,000	106,000	177,000	92,000	191,000	121,000	63,000	55,000	74,000
21	94,000	108,000	53,000	111,000	127,000	163,000	99,000	208,000	124,000	64,000	55,000	66,000
22	91,000	111,000	63,000	99,000	175,000	157,000	110,000	202,000	130,000	67,000	57,000	57,000
23	90,000	107,000	80,000	93,000	221,000	152,000	111,000	207,000	129,000	74,000	54,000	58,000
24	104,000	104,000	96,000	85,000	250,000	146,000	114,000	218,000	124,000	77,000	56,000	51,000
25	96,000	99,000	125,000	78,000	280,000	140,000	115,000	225,000	124,000	73,000	54,000	43,000
26	104,000	90,000	144,000	73,000	311,000	137,000	116,000	229,000	125,000	70,000	49,000	41,000
27	113,000	76,000	148,000	71,000	337,000	133,000	113,000	236,000	120,000	66,000	44,000	43,000
28	124,000	75,000	161,000	60,000	363,000	128,000	106,000	235,000	116,000	64,000	45,000	40,000
29	115,000	72,000	167,000	57,000	---	123,000	106,000	240,000	117,000	62,000	43,000	36,000
30	120,000	72,000	173,000	60,000	---	123,000	103,000	243,000	113,000	62,000	41,000	35,000
31	116,000	---	193,000	60,000	---	120,000	---	243,000	---	59,000	42,000	---
MEAN	88,400	106,000	78,800	136,000	119,000	280,000	98,300	158,000	149,000	69,500	55,000	62,400
MAX	124,000	136,000	193,000	202,000	363,000	468,000	117,000	243,000	243,000	111,000	62,000	118,000
MIN	69,000	72,000	41,000	57,000	45,000	120,000	82,000	84,000	104,000	48,000	41,000	35,000

Results were revised 2013
Please refer to USGS Scientific Investigations Report 2018-5141
<https://doi.org/10.3133/sir2018-5141>
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07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 4 S., R. 7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas and Pacific Railroad in Melville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to September 1981.

WATER TEMPERATURES: May 1979 to September 1981.

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unflab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfl uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
NOV 13...	1000	145,000	70	8.4	7.4	233	15.9	87	22.9	7.34	3.25	17.4	62
JAN 15...	1030	247,000	78	11.0	7.8	236	7.0	--	--	--	--	--	61
30...	1030	119,000	56	9.9	8.1	335	5.7	120	31.2	9.11	2.56	20.0	84
FEB 10...	1130	103,000	50	10.5	7.5	370	6.9	120	33.2	9.88	2.78	28.1	93
25...	1115	330,000	140	10.0	8.1	239	9.6	74	20.3	5.72	2.37	15.4	54
MAR 11...	1100	454,000	89	11.8	7.5	225	8.2	--	--	--	--	--	50
25...	1200	291,000	55	10.0	8.0	227	14.1	73	19.9	5.63	2.18	13.6	54
APR 16...	1030	179,000	75	8.5	7.9	298	16.7	110	27.9	8.66	2.87	18.9	68
30...	1030	192,000	46	8.3	8.4	355	19.2	110	31.2	8.78	2.47	18.5	81
MAY 13...	1000	271,000	100	6.8	8.4	338	22.9	120	32.8	10.3	3.30	19.3	85
28...	1100	443,000	64	6.5	7.7	299	22.2	110	29.0	7.96	2.96	12.1	84
JUN 17...	0930	255,000	49	6.3	8.0	334	24.2	120	32.0	10.1	2.97	15.5	95
JUL 15...	1030	137,000	40	6.3	7.8	325	29.3	120	31.0	9.38	2.93	17.4	89
AUG 11...	1100	153,000	31	6.6	8.1	391	29.2	130	35.1	11.3	2.73	15.7	110
SEP 24...	1030	118,000	49	6.9	7.9	401	25.8	140	37.7	11.9	3.84	25.5	99

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
NOV 13...	16.9	<0.17	6.77	29.7	145	159	0.37	0.67	E.02	0.65	0.012	0.070	0.30
JAN 15...	16.0	<0.17	4.64	27.4	--	158	0.32	0.65	<0.04	0.79	E.005	0.035	0.35
30...	24.8	0.14	6.59	32.5	182	189	0.29	0.58	E.04	0.82	E.004	0.030	0.24
FEB 10...	36.2	0.13	6.79	35.6	212	230	0.32	0.61	0.06	0.71	<0.008	0.026	0.26
25...	19.6	0.11	4.96	23.8	127	143	0.34	0.92	0.04	0.49	<0.008	0.035	0.59
MAR 11...	17.3	0.09	4.27	25.7	--	137	0.26	0.63	E.03	0.66	E.007	0.022	0.37
25...	20.1	0.11	4.92	25.4	127	149	0.31	0.63	E.03	0.63	0.009	0.027	0.26
APR 16...	23.6	0.12	4.50	30.6	162	183	0.33	0.59	E.03	0.94	0.026	0.042	0.31
30...	24.4	<0.17	3.62	41.5	184	210	0.19	0.52	<0.04	0.94	<0.008	0.041	0.27
MAY 13...	22.2	<0.17	4.50	34.6	183	200	0.29	0.66	<0.04	1.09	E.004	0.061	0.39
28...	16.6	<0.2	5.25	28.3	159	173	0.30	0.60	<0.04	1.37	<0.008	0.061	0.23
JUN 17...	20.3	<0.2	5.66	32.1	181	205	0.29	0.61	<0.04	1.44	<0.008	0.066	0.34
JUL 15...	19.7	<0.2	4.98	31.2	264	192	0.27	0.74	<0.04	0.90	E.005	0.054	0.23
AUG 11...	20.9	0.2	5.32	39.4	205	222	0.24	0.57	<0.04	1.56	<0.008	0.085	0.23
SEP 24...	32.3	0.2	6.73	43.5	225	236	0.27	0.47	<0.04	0.69	E.004n	0.072	0.26

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep- tococci KF MF, col/ 100 mL (31673)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
NOV 13...	0.087	0.20	2.0	<0.1	2.0	6.8	1.5	110	88	--	--	--	1.3
JAN 15...	0.047	0.200	2.7	<0.1	2.7	4.8	2.3	350	110	--	--	--	0.5
30...	0.036	0.157	1.6	<0.1	1.6	4.1	0.3	88	>1380	5.4	--	--	0.8
FEB 10...	0.033	0.150	1.6	<0.1	1.6	4.5	3.5	140	250	6.1	--	--	0.8
25...	0.047	0.34	4.7	0.3	4.4	4.6	0.3	400	970k	2.3	--	--	0.7
MAR 11...	0.033	0.23	2.7	<0.1	2.7	4.4	2.8	87	73	3.4	9	<0.30	0.5
25...	0.037	0.174	1.9	<0.1	1.8	5.2	1.1	83	33	--	--	--	0.6
APR 16...	0.053	0.20	2.0	<0.1	2.0	4.7	9.0	98	70	8.6	--	--	1.0
30...	0.050	0.176	2.3	<0.1	2.3	3.0	--	58	58	11.9	--	--	0.9
MAY 13...	0.071	0.28	3.2	<0.1	3.1	3.8	--	--	58	4.2	--	--	1.1
28...	0.067	0.22	1.9	<0.1	1.9	3.7	--	182	--	2.9	4	E.16	1.3
JUN 17...	0.075	0.21	2.6	<0.1	2.6	E.3n	--	123	110	8.3	--	--	1.4
JUL 15...	0.062	0.168	2.1	<0.1	2.0	5.2	2.5	15k	44k	13.3	6	E.15	1.6
AUG 11...	0.096	0.180	1.8	<0.1	1.8	3.4	0.9	48	146k	8.7	5	<0.30	1.7
SEP 24...	0.081	0.183	1.9	<0.1	1.9	3.6	1.3	38k	110	6.2	--	--	1.8

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
NOV 13...	--	--	38	--	--	--	--	53	--	3.9	--	--	--
JAN 15...	--	--	22	--	--	--	--	40	--	2.0	--	--	--
30...	--	--	43	--	--	--	--	28	--	3.9	--	--	--
FEB 10...	--	--	38	--	--	--	--	30	--	4.6	--	--	--
25...	--	--	33	--	--	--	--	54	--	3.0	--	--	--
MAR 11...	31	<0.06	21	<0.04	<0.8	0.13	1.7	38	0.19	2.0	18.4	0.5	1.91
25...	--	--	21	--	--	--	--	46	--	2.6	--	--	--
APR 16...	--	--	34	--	--	--	--	28	--	4.1	--	--	--
30...	--	--	37	--	--	--	--	E6	--	4.4	--	--	--
MAY 13...	--	--	37	--	--	--	--	<10	--	4.6	--	--	--
28...	50	<0.06	38	<0.04	<0.8	0.13	1.8	9	<0.08	3.4	3.9	1.3	2.45
JUN 17...	--	--	34	--	--	--	--	12	--	4.2	--	--	--
JUL 15...	52	<0.06	41	E.02	<0.8	0.15	1.8	23	<0.08	5.9	1.5	1.6	2.24
AUG 11...	50	<0.06	40	<0.04	<0.8	0.17	1.6	E4n	<0.08	4.3	1.0	2.1	1.87
SEP 24...	--	--	55	--	--	--	--	<8	--	5.1	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)
NOV 13...	E.4	--	125	1.3	--	<0.006	E.022	E.006n	<0.004	<0.005	0.087	<0.050	<0.010
JAN 15...	<0.5	--	93.6	0.9	--	<0.006	E.020	<0.010	<0.004	<0.005	0.062	<0.050	<0.010
30...	E.3	--	162	1.0	--	<0.006	E.017	0.008	<0.004	<0.005	0.057	<0.050	<0.010
FEB 10...	<0.5	--	201	1.6	--	<0.006	E.016	<0.006	<0.004	<0.005	0.059	<0.050	<0.010
25...	E.3	--	126	1.4	--	<0.006	E.011	<0.006	<0.004	<0.005	0.051	<0.050	<0.010
MAR 11...	E.3	M	80.5	0.6	2	<0.006	E.013	<0.006	<0.004	<0.005	0.067	<0.050	<0.010
25...	<0.5	--	99.7	0.8	--	<0.006	E.013	<0.006	<0.004	<0.005	0.115	<0.050	<0.010
APR 16...	E.3	--	136	1.2	--	<0.006	E.042	0.030	0.012	<0.005	2.36	<0.050	<0.010
30...	E.4	--	152	1.4	--	<0.006	E.039	0.034	0.006	<0.005	0.865	<0.050	<0.010
MAY 13...	0.5	--	144	1.3	--	<0.006	E.110	0.110	0.033	<0.005	2.77	<0.050	<0.010
28...	E.4	<0.20	142	2.2	M	<0.006	E.218	0.264	0.019	<0.005	1.99	<0.050	<0.010
JUN 17...	0.5	--	147	1.6	--	<0.006	E.126	0.093	0.010	<0.005	1.54	<0.050	<0.010
JUL 15...	0.5	<0.20	162	2.4	2	<0.006	E.069	0.045	0.008	<0.005	0.711	<0.050	<0.010
AUG 11...	0.7	<0.20	158	1.8	1	<0.006	E.095	0.031	<0.004	<0.005	0.378	<0.050	<0.010
SEP 24...	E.4n	--	213	2.4	--	<0.006	E.038	0.011	<0.004	<0.005	0.149	<0.050	<0.010

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipron- il, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)
NOV 13...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	0.007	E.004n	<0.005	<0.02	<0.002	<0.009
JAN 15...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
30...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.005	<0.005	<0.02	<0.002	<0.009
FEB 10...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
25...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
MAR 11...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
25...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
APR 16...	<0.002	<0.041	E.079	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
30...	<0.002	<0.041	E.008	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
MAY 13...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.006	<0.005	<0.02	<0.002	<0.009
28...	<0.002	E.004	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	E.004n	<0.005	<0.02	<0.002	<0.009
JUN 17...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.007	<0.005	<0.02	<0.002	<0.009
JUL 15...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
AUG 11...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009
SEP 24...	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Desulf- inyl- fipron- il amide, wat flt ug/L (62169)	Fipron- il sulfide water, fltrd, ug/L (62167)	Fipron- il sulfone water, fltrd, ug/L (62168)	Fipron- il, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
NOV 13...	<0.005	E.005	<0.005	E.006	<0.007	<0.003	<0.004	<0.035	0.045	<0.006	0.027	<0.006	0.004
JAN 15...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.021	<0.006	<0.002
30...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.019	<0.006	<0.002
FEB 10...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.016	<0.006	<0.002
25...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	E.013n	<0.006	<0.002
MAR 11...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.016	<0.006	<0.002
25...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.033	<0.006	<0.002
APR 16...	<0.005	<0.009	<0.005	<0.005	E.006	<0.003	<0.004	<0.035	<0.027	<0.006	0.504	<0.006	<0.002
30...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.176	E.003n	<0.002
MAY 13...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.420	0.008	<0.002
28...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.442	0.011	<0.002
JUN 17...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.015n	<0.006	0.235	0.010	0.010
JUL 15...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.010t	<0.006	0.140	<0.006	<0.002
AUG 11...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.126	<0.006	<0.002
SEP 24...	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.009t	<0.006	0.042	<0.006	<0.002

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
NOV 13...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.007	<0.010	<0.011	<0.02	0.045	E.01n
JAN 15...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.165	<0.02
JAN 30...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	Mn	<0.004	<0.010	<0.011	<0.02	0.060	E.01n
FEB 10...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.034	<0.02
FEB 25...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.030	<0.02
MAR 11...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.066	<0.02
MAR 25...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.029	<0.02
APR 16...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.078	<0.02
APR 30...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	Mn	<0.004	<0.010	<0.011	<0.02	0.068	E.01n
MAY 13...	<0.007	<0.003	<0.010	<0.004	E.009n	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.276	E.01n
MAY 28...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.168	E.01n
JUN 17...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.075	E.01n
JUL 15...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.032	<0.02
AUG 11...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.027	<0.02
SEP 24...	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.017	<0.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sus- pended sediment concentration mg/L (80154)	Sus- pended sediment load, tons/d (80155)
NOV 13...	<0.034	<0.02	<0.005	<0.002	<0.009	--	93	110	43,100
JAN 15...	<0.034	<0.02	<0.005	<0.002	<0.009	--	--	--	--
JAN 30...	<0.034	<0.02	<0.005	<0.002	<0.009	--	97	86	27,600
FEB 10...	<0.034	<0.02	<0.005	<0.002	<0.009	--	99	80	22,200
FEB 25...	<0.034	<0.02	<0.005	<0.002	<0.009	--	69	358	319,000
MAR 11...	<0.034	<0.02	<0.005	<0.002	<0.009	0.23	37	387	474,000
MAR 25...	<0.034	<0.02	<0.005	<0.002	<0.009	--	55	157	123,000
APR 16...	<0.034	<0.02	<0.005	<0.002	<0.009	--	95	132	63,800
APR 30...	<0.034	<0.02	<0.005	<0.002	<0.009	--	89	98	50,800
MAY 13...	<0.034	<0.02	<0.005	<0.002	<0.009	--	82	211	154,000
MAY 28...	<0.034	<0.02	<0.005	<0.002	<0.009	0.54	43	253	303,000
JUN 17...	<0.034	<0.02	<0.005	<0.002	<0.009	--	82	117	80,600
JUL 15...	<0.034	<0.02	<0.005	<0.002	<0.009	0.91	99	81	30,000
AUG 11...	<0.034	<0.02	<0.005	<0.002	<0.009	0.94	91	56	23,100
SEP 24...	<0.034	<0.02	<0.005	<0.002	<0.009	--	99	74	23,600

Remark codes used in this table:

< -- Less than

> -- Greater than

E -- Estimated value

M-- Presence verified, not quantified

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

t -- Below the long-term MDL

07381515 ATCHAFALAYA RIVER AT BUTTE LA ROSE, LA

LOCATION.--Lat 30°16'53", long 91°41'12", in sec. 7, T. 9 S., R. 7 E., St. Martin Parish, Hydrologic Unit 08080101, on right bank in Butte La Rose.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 29, 1928 to Nov. 20, 1996, station maintained by U.S. Army Corps of Engineers, New Orleans District; Nov. 21, 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 27.28 ft, May 23, 1973, minimum recorded, 0.33 ft, Oct 17, 1976 (from U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 17.38 ft, Mar. 12; minimum elevation, 2.82 ft, Feb. 8.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.88	4.99	5.54	13.04	3.93	14.84	11.49	7.73	16.58	11.90	6.18	3.99
2	3.88	4.62	5.40	13.06	3.89	15.19	11.04	7.69	16.61	11.61	6.20	3.85
3	5.77	4.62	5.12	12.67	3.78	15.39	10.61	7.68	16.75	11.24	6.15	3.67
4	6.00	5.15	5.07	12.42	3.51	15.59	10.21	7.84	16.66	10.92	6.20	3.43
5	5.06	5.65	5.32	12.35	3.14	15.73	9.73	7.94	16.41	10.79	6.42	3.55
6	4.64	5.93	4.87	12.28	3.20	16.02	9.32	7.99	16.11	10.46	6.50	3.56
7	4.52	5.76	4.66	12.14	3.04	16.22	9.15	8.06	15.89	9.93	6.42	3.68
8	5.05	5.93	4.56	12.03	2.95	16.30	9.27	7.87	15.51	8.97	6.09	3.87
9	5.71	6.28	4.44	11.87	3.46	16.42	9.36	8.14	14.99	7.92	5.96	3.93
10	5.88	6.36	4.49	11.94	3.63	16.54	9.16	8.44	14.44	7.03	5.81	4.02
11	5.62	6.39	4.48	11.96	3.48	16.87	9.02	8.87	13.80	6.61	5.69	4.44
12	5.41	6.18	4.66	11.82	3.96	17.23	8.87	9.59	13.12	6.24	5.80	5.59
13	5.18	5.66	4.90	11.59	4.11	17.13	8.51	10.34	12.73	6.02	5.74	6.47
14	4.86	5.77	4.66	11.09	4.35	16.96	8.18	11.23	12.21	6.01	5.56	7.03
15	4.81	5.82	4.75	10.67	4.82	16.81	7.81	11.77	11.73	5.91	5.45	7.31
16	4.62	5.47	4.73	10.43	5.59	16.59	7.58	12.39	11.61	5.71	5.52	7.18
17	4.76	5.15	4.69	10.03	5.94	16.37	7.49	13.02	11.50	5.61	5.60	7.30
18	4.64	5.17	4.73	9.67	6.37	16.00	7.25	13.38	11.52	5.85	5.41	7.03
19	4.80	5.83	4.85	9.25	6.82	15.43	7.30	13.60	11.92	6.42	5.20	6.46
20	4.65	6.40	4.84	8.97	7.28	14.77	7.64	14.06	12.34	6.61	5.12	5.61
21	5.04	6.51	5.34	8.52	8.22	14.26	7.98	14.61	12.53	6.73	4.95	5.16
22	4.99	6.67	6.26	7.86	9.99	13.93	8.41	14.62	12.70	7.04	4.91	4.83
23	5.01	6.60	7.27	7.11	11.34	13.61	8.58	14.86	12.72	7.49	4.85	4.63
24	5.28	6.64	8.61	6.32	12.22	13.31	8.73	15.21	12.55	7.72	4.88	4.51
25	5.13	6.52	10.04	5.74	12.92	13.00	8.83	15.50	12.53	7.60	4.79	4.04
26	5.21	6.24	10.97	5.26	13.58	12.81	8.64	15.72	12.59	7.30	4.57	3.93
27	5.60	5.54	11.33	4.93	14.04	12.57	8.34	16.00	12.40	7.00	4.22	4.00
28	5.97	5.30	11.78	4.41	14.41	12.33	8.01	16.11	12.18	6.78	4.07	3.74
29	5.88	5.32	12.02	4.14	---	12.04	7.81	16.30	12.19	6.62	3.93	3.34
30	5.89	5.47	12.31	4.17	---	11.86	7.67	16.46	12.08	6.51	4.03	3.43
31	5.51	---	12.89	4.10	---	11.69	---	16.55	---	6.34	4.07	---
MAX	6.00	6.67	12.89	13.06	14.41	17.23	11.49	16.55	16.75	11.90	6.50	7.31
MIN	3.88	4.62	4.44	4.10	2.95	11.69	7.25	7.68	11.50	5.61	3.93	3.34

0738153841 BAYOU EUGENE 10.1 MILES NORTHEAST OF LOREAUVILLE, LA

LOCATION.--Lat 30°05'47", long 91°34'46", in sec. 8, T. 11 S., R. 9 E., St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform, 10.1 miles northeast of Loreauville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed.

REMARKS.--Below recordable stage: Oct. 1-2, 4-31, Nov. 1 - Dec. 23, Jan. 24 - Feb. 20, July 11-22, 29-30, Aug. 1 - Sep. 13, Sep. 19-30.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.42 ft, Mar. 28-29, 1997, minimum recorded gage height, 5.66 ft, Nov. 30, Dec. 1, 26, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.15 ft, June 2; minimum recorded gage height, 6.99 ft, July 28, Sept. 14, 18, 19.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	12.01	10.33	7.59	13.81	10.70	---	---
2	---	---	---	---	---	12.30	10.08	7.54	13.92	10.53	---	---
3	7.75	---	---	---	---	12.50	9.81	7.52	14.11	10.32	---	---
4	---	---	---	---	---	12.69	9.55	7.61	14.05	10.13	---	---
5	---	---	---	---	---	12.77	9.23	7.74	13.94	10.01	---	---
6	---	---	---	---	---	---	8.95	7.81	13.83	9.80	---	---
7	---	---	---	---	---	---	8.85	7.86	13.68	9.49	---	---
8	---	---	---	10.53	---	---	8.97	7.75	13.44	8.90	---	---
9	---	---	---	10.45	---	---	8.92	7.87	13.11	8.14	---	---
10	---	---	---	10.46	---	---	8.74	8.07	12.74	7.49	---	---
11	---	---	---	10.46	---	---	8.60	8.32	12.50	---	---	---
12	---	---	---	10.41	---	---	8.47	8.70	12.05	---	---	---
13	---	---	---	10.30	---	---	8.21	9.14	11.66	---	---	---
14	---	---	---	10.04	---	---	7.96	9.69	11.26	---	---	7.01
15	---	---	---	9.80	---	---	7.68	10.07	10.88	---	---	7.15
16	---	---	---	9.62	---	---	7.50	10.45	10.68	---	---	7.09
17	---	---	---	9.35	---	---	7.42	10.86	10.53	---	---	7.20
18	---	---	---	9.11	---	---	7.28	11.16	10.44	---	---	7.08
19	---	---	---	8.83	---	13.38	7.27	11.37	10.56	---	---	---
20	---	---	---	8.60	---	12.98	7.44	11.68	10.75	---	---	---
21	---	---	---	8.27	7.65	12.59	7.64	12.06	10.88	---	---	---
22	---	---	---	7.81	8.71	12.28	7.90	12.18	10.98	---	---	---
23	---	---	---	7.32	9.53	12.01	8.06	12.34	11.01	7.35	---	---
24	---	---	7.81	---	10.14	11.77	8.19	12.57	10.95	7.48	---	---
25	---	---	8.62	---	10.60	11.53	8.29	12.78	10.94	7.45	---	---
26	---	---	9.00	---	11.04	11.36	8.19	12.99	10.98	7.28	---	---
27	---	---	---	---	11.38	11.17	8.02	13.21	10.92	7.08	---	---
28	---	---	---	---	11.68	11.00	7.82	13.35	10.81	6.99	---	---
29	---	---	---	---	---	10.80	7.67	13.49	10.81	---	---	---
30	---	---	---	---	---	10.61	7.57	13.62	10.80	---	---	---
31	---	---	---	---	---	10.47	---	13.73	---	---	---	---
MAX	---	---	---	---	---	---	10.33	13.73	14.11	---	---	---
MIN	---	---	---	---	---	---	7.27	7.52	10.44	---	---	---

0738153844 BAYOU GRAVENBURG 11.7 MILES EAST OF LOREAUVILLE, LA

LOCATION.--Lat 30°01'58", long 91°33'09", in sec. 4, T. 12 S., R 9 E., Iberia Parish, Hydrologic Unit 08080101, on a three-pile platform attached to a cypress tree, 11.7 miles east of Loreauville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.69 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.86 ft, Apr. 5, 1997, minimum recorded gage height, 1.98 ft, Sept. 28, 29, 30, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.08 ft, June 2; minimum gage height, 2.45 ft, Sept. 11.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.04	3.65	6.88	4.45	8.06	7.45	5.09	10.54	7.78	4.39	2.94
2	---	3.96	3.60	7.22	4.32	8.46	7.32	5.04	10.71	7.68	4.32	2.89
3	---	3.88	3.55	7.40	4.19	8.80	7.16	4.99	11.02	7.55	4.25	2.83
4	---	3.83	3.54	7.45	4.06	9.08	6.98	4.97	10.93	7.44	4.17	2.76
5	---	3.93	3.55	7.46	3.93	9.32	6.78	4.98	10.82	7.31	4.12	2.68
6	---	4.00	3.50	7.46	3.81	9.59	6.59	5.02	10.74	7.17	4.10	2.61
7	---	4.00	3.44	7.43	3.69	9.86	6.54	5.06	10.59	7.02	4.09	2.55
8	---	3.98	3.38	7.40	3.58	10.01	6.71	5.09	10.37	6.81	4.05	2.51
9	---	3.97	3.32	7.36	3.48	10.15	6.55	5.10	10.10	6.52	3.98	2.49
10	---	4.01	3.32	7.32	3.40	10.26	6.36	5.13	9.80	6.23	3.91	2.47
11	---	4.07	3.28	7.29	3.31	10.41	6.20	5.20	9.73	5.98	3.84	2.47
12	4.05	4.08	3.25	7.28	3.22	10.67	6.06	5.31	9.36	5.75	3.90	2.57
13	3.98	4.02	3.24	7.25	3.15	10.86	5.93	5.46	8.93	5.54	3.91	2.92
14	3.90	3.94	3.21	7.19	3.09	10.89	5.78	5.68	8.56	5.36	3.85	3.21
15	3.81	3.90	3.18	7.08	3.10	10.84	5.62	5.99	8.22	5.20	3.78	3.41
16	3.72	3.86	3.14	6.95	3.24	10.79	5.47	6.36	7.94	5.05	3.71	3.58
17	3.63	3.79	3.11	6.80	3.38	10.68	5.34	6.78	7.74	4.97	3.65	3.71
18	3.55	3.71	3.09	6.63	3.52	10.54	5.22	7.23	7.57	4.91	3.60	3.82
19	3.48	3.66	3.07	6.47	3.65	10.34	5.10	7.59	7.48	4.80	3.54	3.89
20	3.42	3.73	---	6.31	3.80	10.04	5.03	7.88	7.50	4.72	3.48	3.87
21	3.37	3.87	---	6.14	4.04	9.69	5.01	8.20	7.63	4.63	3.41	3.79
22	3.35	3.93	3.13	5.98	4.33	9.37	5.04	8.50	7.72	4.58	3.35	3.81
23	3.33	3.98	3.36	5.79	4.68	9.09	5.11	8.71	7.78	4.61	3.29	3.72
24	3.30	4.01	3.73	5.60	5.15	8.84	5.17	8.93	7.81	4.66	3.24	3.61
25	3.34	4.02	4.00	5.42	5.71	8.62	5.25	9.19	7.81	4.74	3.19	3.51
26	3.49	4.01	4.32	5.27	6.31	8.43	5.32	9.45	7.82	4.79	3.14	3.42
27	3.58	3.95	4.74	5.13	6.98	8.25	5.33	9.72	7.83	4.75	3.08	3.33
28	3.71	3.85	5.16	4.99	7.58	8.08	5.31	9.92	7.80	4.68	3.02	3.24
29	3.93	3.76	5.54	4.84	---	7.92	5.24	10.11	7.79	4.61	2.95	3.14
30	4.06	3.70	5.92	4.71	---	7.74	5.16	10.28	7.80	4.53	2.91	3.05
31	4.08	---	6.42	4.58	---	7.58	---	10.43	---	4.46	2.96	---
MAX	---	4.08	---	7.46	7.58	10.89	7.45	10.43	11.02	7.78	4.39	3.89
MIN	---	3.66	---	4.58	3.09	7.58	5.01	4.97	7.48	4.46	2.91	2.47

073815450 CHICOT PASS NEAR MYETTE POINT, LA

LOCATION.--Lat 29°53'33", long 91°26'44", T. 13 S., R. 10 E., St. Mary Parish, Hydrologic Unit 08080101, on right water's edge near Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1963 to March 1997, station maintained by U.S. Army Corps of Engineers, New Orleans District. March 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.28 ft below NGVD of 1929 (from levels provided by U.S. Army Corps of Engineers, May 1, 1996).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded (U.S. Army Corps of Engineers), 17.80 ft, May 24, 1973, minimum gage height recorded (U.S. Army Corps of Engineers), 0.06 ft, undetermined date in 1976.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.40 ft, Mar. 13; minimum gage height, 1.36 ft, Feb. 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.73	3.07	3.04	7.55	2.33	8.52	---	4.79	10.08	7.27	3.86	2.98
2	2.80	2.84	3.07	7.60	2.31	8.74	---	4.75	10.13	7.11	3.88	2.81
3	4.72	3.00	2.96	7.39	2.30	8.94	---	4.72	10.29	6.94	3.86	2.63
4	4.38	3.22	2.97	7.31	2.06	9.16	---	4.85	10.24	6.79	3.86	2.40
5	3.51	3.63	2.90	7.27	1.80	9.31	---	5.12	10.12	---	3.99	2.49
6	3.12	3.48	2.66	7.17	1.95	9.40	---	5.20	10.01	---	4.05	2.45
7	2.97	3.42	2.64	7.09	1.56	---	---	5.21	9.84	---	4.04	2.58
8	3.19	3.56	2.54	7.06	1.58	---	---	5.05	9.60	---	3.79	2.74
9	---	3.78	2.45	6.97	2.13	---	---	5.15	9.29	5.08	3.79	2.83
10	---	3.89	2.54	6.94	2.11	---	---	5.34	8.94	4.65	3.69	2.80
11	---	3.98	2.55	6.92	2.04	10.07	---	5.52	8.69	4.34	3.62	2.98
12	---	3.60	2.69	6.89	2.28	10.31	---	5.65	8.29	4.11	3.70	3.72
13	---	3.18	3.01	6.80	2.35	10.34	---	6.00	7.97	4.03	3.67	4.27
14	---	3.42	2.50	6.58	2.56	10.25	---	6.52	7.64	4.11	3.53	4.43
15	---	3.45	2.62	6.34	2.91	10.21	---	6.88	7.32	4.09	3.41	4.58
16	2.89	3.00	2.64	6.22	3.25	10.13	4.60	7.25	7.15	3.83	3.54	4.51
17	3.05	2.87	2.68	5.91	3.29	10.06	4.59	7.67	7.03	3.68	3.59	4.64
18	2.97	2.96	2.82	5.73	3.62	---	4.42	7.89	6.97	3.76	3.43	4.53
19	3.17	3.25	2.91	5.53	3.91	---	4.47	8.05	7.10	4.00	3.32	4.24
20	3.04	3.61	2.74	5.35	4.11	---	4.66	8.29	7.31	4.08	3.26	3.71
21	3.14	3.73	3.00	5.10	4.69	---	4.79	8.59	7.44	4.14	3.13	3.57
22	3.10	3.75	3.55	4.83	5.71	---	5.02	8.64	7.52	4.34	3.14	3.35
23	3.18	3.68	4.12	---	6.32	---	5.15	8.81	7.54	4.62	3.17	3.10
24	3.29	3.78	4.99	---	6.83	---	5.33	9.06	7.48	4.72	3.20	3.13
25	3.36	3.73	5.40	3.39	7.24	7.98	5.45	9.28	7.48	4.69	3.17	2.86
26	3.35	3.59	5.99	3.10	7.68	7.85	5.23	9.42	7.52	4.55	3.08	2.87
27	3.61	3.05	6.28	2.94	7.99	7.76	5.06	9.55	7.47	4.39	2.92	2.89
28	3.87	2.85	6.55	2.71	8.24	---	4.92	9.67	7.33	4.27	2.81	2.55
29	3.78	2.93	6.79	2.52	---	---	4.81	9.80	7.37	4.19	2.70	2.24
30	3.74	3.08	7.01	2.49	---	---	4.75	9.93	7.39	4.13	3.02	2.29
31	3.37	---	7.48	2.48	---	---	---	10.04	---	4.01	3.09	---
MAX	---	3.98	7.48	---	8.24	---	---	10.04	10.29	---	4.05	4.64
MIN	---	2.84	2.45	---	1.56	---	---	4.72	6.97	---	2.70	2.24

07381567 BUFFALO COVE AT ROUND ISLAND NEAR CHARENTON, LA

LOCATION.--Lat 29°59'00", long 91°31'30", in sec. 23, T. 12 S., R. 9 E., Iberia Parish, Hydrologic Unit 08080101 on south side of Round Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 26, 1976, to March 14, 1997, station maintained by U.S. Army Corps of Engineers, New Orleans District. March 14, 1997 to current year (gage heights only).

GAGE.--Water-stage recorder. Staff gage set by U.S. Army Corps of Engineers, New Orleans District. Datum of gage is NGVD of 1929.

REMARKS.--Gage is below recordable stage Sept. 5-10, 30.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height by the U.S. Army Corps of Engineers, 14.98 ft, June 3, 1983, minimum recorded gage height by the U.S. Army Corps of Engineers, 0.11 ft, Oct. 17, 18, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.02 ft, Mar. 13; minimum gage height, 3.23 ft, Oct. 2.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.54	4.47	4.43	8.41	4.09	9.49	8.68	6.22	11.66	8.85	5.12	3.62
2	3.50	4.21	4.39	8.62	3.98	9.83	8.53	6.19	11.73	8.73	5.08	3.59
3	4.91	4.15	4.25	8.68	3.85	10.12	8.33	6.14	---	8.59	5.03	3.57
4	5.24	4.36	4.22	8.67	3.71	10.38	8.12	6.14	11.90	8.45	4.99	3.56
5	4.61	4.70	4.29	8.66	3.42	10.59	7.91	6.22	11.82	8.33	5.08	---
6	4.27	4.84	4.05	8.66	3.35	10.84	7.66	6.29	11.74	8.18	5.12	---
7	4.10	4.76	3.90	8.64	3.32	11.07	7.59	6.33	11.61	---	5.12	---
8	4.25	4.82	3.81	8.60	3.30	11.21	7.74	6.30	11.40	---	4.97	---
9	4.74	4.98	3.70	8.55	3.33	11.35	7.62	6.33	11.14	7.09	4.88	---
10	5.00	5.06	3.75	8.53	3.36	11.44	7.44	6.43	10.83	6.68	4.82	---
11	4.87	5.14	3.71	8.51	3.31	11.58	7.30	6.59	10.71	6.25	4.70	3.74
12	4.72	5.02	3.84	8.49	3.37	11.82	7.18	6.79	10.35	5.94	4.74	4.36
13	4.57	4.71	4.05	8.45	3.42	11.97	6.99	7.05	9.94	5.71	4.73	4.97
14	4.31	4.72	3.79	8.32	3.59	11.99	6.78	7.41	9.58	5.61	4.62	5.23
15	4.25	4.76	3.83	8.16	3.94	11.96	6.54	7.75	9.25	5.53	4.50	5.43
16	4.07	4.55	3.82	8.02	4.42	11.91	6.37	8.07	8.99	5.33	4.50	5.43
17	4.11	4.30	3.80	7.84	4.58	11.82	6.27	8.43	8.81	5.18	4.52	5.52
18	4.04	4.28	3.87	7.64	4.83	11.67	6.11	8.77	8.66	---	4.44	5.48
19	4.12	4.53	3.95	7.43	5.09	11.49	6.02	9.02	8.62	---	4.27	5.29
20	4.03	4.86	3.93	7.23	5.32	11.21	6.10	9.28	8.68	---	4.19	4.90
21	4.16	5.02	4.09	6.99	5.72	10.87	6.20	9.60	8.79	---	4.07	4.58
22	4.15	5.10	4.60	6.68	6.46	10.57	6.31	9.83	8.88	5.54	4.00	4.39
23	4.16	5.07	5.11	6.26	7.02	10.30	6.42	10.00	8.93	5.68	3.99	4.13
24	4.28	5.13	5.82	5.79	7.52	10.04	6.52	10.23	8.94	5.82	4.00	4.09
25	4.30	5.10	6.31	5.45	7.91	9.83	6.64	10.48	8.93	5.88	3.96	4.04
26	4.36	5.02	6.80	5.18	8.32	9.64	6.63	10.74	8.95	5.83	3.84	3.99
27	4.55	4.65	7.11	5.00	8.72	9.47	6.55	10.94	8.96	5.69	3.64	3.98
28	4.83	4.40	7.37	4.73	9.11	9.32	6.46	11.10	8.91	5.56	3.61	3.96
29	4.91	4.35	7.60	4.46	---	9.17	6.35	11.27	8.89	5.45	3.60	3.80
30	4.95	4.44	7.82	4.36	---	8.94	6.26	11.43	8.90	5.36	3.64	---
31	4.76	---	8.17	4.28	---	8.80	---	11.55	---	5.24	3.67	---
MAX	5.24	5.14	8.17	8.68	9.11	11.99	8.68	11.55	---	---	5.12	---
MIN	3.50	4.15	3.70	4.28	3.30	8.80	6.02	6.14	---	---	3.60	---

07381567 BUFFALO COVE AT ROUND ISLAND NEAR CHARENTON, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Oct. 1 to September 30.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Oct. 1 to September 30.

INSTRUMENTATION.--Thermister temperature sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 32.1°C, Aug. 4, 2003; minimum recorded, 7.0°C, Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 32.1°C, Aug. 4; minimum, 7.0°C, Jan. 25.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.6	26.4	27.4	21.4	19.9	20.4	13.2	12.0	12.4	9.6	9.3	9.4
2	28.4	26.9	27.5	19.9	18.2	18.6	12.6	11.0	11.8	9.3	9.1	9.2
3	28.1	25.6	26.4	18.8	17.7	18.1	13.4	12.6	12.8	9.2	8.9	9.1
4	25.8	25.4	25.6	18.9	18.6	18.7	14.7	13.4	14.0	9.3	9.0	9.2
5	27.7	25.5	26.3	19.9	18.8	19.3	14.7	11.5	13.2	9.4	9.1	9.3
6	27.7	26.3	27.0	19.7	18.0	18.6	11.5	9.4	10.1	9.5	9.2	9.4
7	27.3	26.2	26.6	18.0	16.5	17.1	9.8	8.5	9.2	9.5	9.3	9.4
8	26.5	25.2	25.7	17.2	16.1	16.7	10.1	8.9	9.5	9.4	9.2	9.3
9	25.7	24.2	25.0	18.5	16.8	17.4	10.7	9.2	9.9	9.7	9.3	9.4
10	25.0	23.7	24.2	19.9	18.5	18.9	10.8	10.2	10.5	9.8	9.6	9.7
11	25.0	23.8	24.3	20.7	19.4	19.8	10.7	9.3	10.0	9.7	9.2	9.4
12	24.4	23.0	23.6	20.4	19.1	20.0	10.7	10.1	10.4	9.2	8.7	8.9
13	24.2	23.1	23.7	19.1	17.1	17.7	12.2	10.7	11.4	8.7	8.5	8.6
14	23.8	22.1	22.7	17.1	15.8	16.4	12.1	10.9	11.6	8.6	8.4	8.5
15	22.4	21.1	21.7	17.6	16.7	17.0	11.9	10.2	11.0	8.5	8.3	8.4
16	21.5	19.7	20.5	17.4	15.3	16.4	12.7	10.5	11.4	8.7	8.4	8.5
17	20.5	19.0	19.8	15.3	13.7	14.3	14.6	12.3	13.1	8.8	8.4	8.6
18	20.6	18.9	19.8	14.9	13.3	14.0	16.6	14.3	15.1	8.7	8.1	8.4
19	21.7	19.8	20.6	16.0	14.9	15.3	17.9	16.6	17.2	9.0	7.9	8.4
20	21.6	20.9	21.3	16.0	15.8	16.0	17.7	14.9	16.3	10.0	8.6	9.1
21	21.6	21.1	21.3	15.9	15.5	15.7	14.9	13.3	13.8	11.4	10.0	10.5
22	21.6	21.0	21.3	15.7	15.0	15.3	13.4	12.6	12.9	11.9	11.4	11.7
23	21.9	21.3	21.6	15.1	14.5	14.8	12.7	12.5	12.6	11.6	9.2	10.4
24	22.5	21.6	21.9	15.0	14.4	14.6	12.8	12.1	12.7	9.2	7.6	8.1
25	22.5	22.1	22.3	15.6	14.5	14.9	12.1	11.0	11.5	7.7	7.0	7.3
26	22.4	21.9	22.1	16.1	15.6	15.9	11.0	10.4	10.5	7.8	7.6	7.7
27	22.8	22.2	22.3	15.6	13.1	14.2	10.4	10.3	10.4	8.8	7.6	8.1
28	22.9	20.8	21.5	13.1	12.1	12.4	10.4	10.1	10.2	10.0	8.5	9.0
29	22.2	20.8	21.5	12.2	11.0	11.6	10.2	9.9	10.1	12.2	10.0	11.0
30	23.5	22.2	22.7	13.2	12.0	12.4	10.1	9.9	9.9	12.4	12.2	12.3
31	23.0	21.4	21.9	---	---	---	9.9	9.6	9.8	12.3	11.9	12.1
MONTH	28.6	18.9	23.2	21.4	11.0	16.4	17.9	8.5	11.8	12.4	7.0	9.3

07381567 BUFFALO COVE AT ROUND ISLAND NEAR CHARENTON, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.0	11.6	12.3	9.3	9.0	9.1	16.1	15.6	15.9	28.1	25.8	26.7
2	13.9	12.2	13.0	9.0	8.7	8.8	16.3	16.0	16.1	29.1	26.9	27.8
3	15.1	13.7	14.2	8.7	8.3	8.5	16.6	16.2	16.4	29.1	27.8	28.4
4	15.1	13.9	14.5	8.3	8.2	8.2	18.5	16.6	17.1	28.0	22.7	25.8
5	14.2	12.0	12.7	8.4	8.3	8.3	19.8	18.5	19.1	22.7	22.3	22.4
6	12.6	11.8	12.2	8.5	8.4	8.4	21.1	19.7	20.2	22.8	22.3	22.5
7	12.4	9.3	10.9	8.8	8.3	8.5	21.3	21.0	21.2	23.1	22.6	22.8
8	9.3	7.5	8.2	8.9	8.7	8.8	21.0	20.1	20.5	23.4	23.0	23.2
9	10.4	8.3	9.0	9.5	8.9	9.1	20.1	17.1	18.6	23.7	23.3	23.5
10	12.3	10.4	11.0	9.9	9.5	9.6	17.5	15.8	16.6	23.7	23.5	23.6
11	13.6	9.5	11.5	9.9	9.8	9.8	18.4	16.8	17.5	23.7	23.5	23.6
12	16.3	11.7	13.5	10.1	9.8	9.9	19.4	17.5	18.3	23.7	23.4	23.5
13	16.9	14.2	15.5	10.5	10.1	10.3	20.7	18.7	19.5	23.5	23.1	23.3
14	19.1	15.5	16.9	11.1	10.5	10.8	21.7	19.8	20.6	23.8	23.4	23.6
15	19.1	17.8	18.4	11.4	11.1	11.2	22.2	20.7	21.4	23.8	23.4	23.6
16	17.8	11.7	13.3	11.4	11.4	11.4	23.5	21.7	22.4	23.5	23.1	23.2
17	11.7	10.9	11.2	12.0	11.4	11.6	25.3	23.0	23.9	23.3	23.0	23.1
18	10.9	10.2	10.6	12.6	12.0	12.2	26.0	24.5	25.2	23.1	22.7	22.9
19	10.5	10.1	10.2	13.4	12.6	12.9	25.9	24.8	25.3	23.2	22.9	23.1
20	10.7	10.3	10.5	14.2	13.4	13.7	26.0	24.8	25.4	23.4	23.0	23.2
21	10.6	10.5	10.5	14.7	14.1	14.4	25.9	20.5	23.9	23.4	23.2	23.3
22	10.6	10.1	10.4	15.1	14.5	14.8	20.5	19.2	19.6	23.4	23.2	23.3
23	10.5	9.8	10.1	15.6	15.0	15.3	19.2	18.9	19.0	23.5	23.2	23.4
24	11.2	10.5	10.8	15.9	15.4	15.6	19.3	19.0	19.2	23.5	23.2	23.3
25	11.2	10.9	11.0	16.1	15.7	15.9	19.6	19.3	19.5	23.4	23.3	23.3
26	10.9	10.3	10.6	16.1	15.9	16.0	19.8	19.5	19.6	23.5	23.3	23.4
27	10.3	9.9	10	16.5	15.8	16.0	20.1	19.8	20.0	23.4	23.1	23.2
28	9.9	9.3	9.6	17.0	16.4	16.6	23.4	20.1	21.0	23.2	22.9	23.0
29	---	---	---	17.0	---	16.7	25.7	23.4	24.1	23.1	22.8	23.0
30	---	---	---	---	15.8	15.9	26.9	24.8	25.6	23.3	23.0	23.1
31	---	---	---	15.9	15.6	15.8	---	---	---	23.5	23.2	23.3
MONTH	19.1	7.5	11.9	---	---	12.1	26.9	15.6	20.4	29.1	22.3	23.7
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.8	23.5	23.6	27.0	26.4	26.6	30.9	29.1	29.9	29.6	27.6	28.6
2	23.9	23.7	23.8	27.4	26.9	27.1	30.8	29.5	30.2	30.7	27.7	29.0
3	24.0	23.7	23.8	27.5	27.2	27.3	31.5	29.5	30.4	31.2	27.7	28.9
4	23.8	23.6	23.7	27.5	26.9	27.2	32.1	30.0	30.9	30.2	27.2	28.3
5	23.9	23.7	23.8	27.1	26.6	26.8	31.8	30.4	31.1	---	---	---
6	24.1	23.9	23.9	27.1	26.6	26.8	31.2	29.8	30.4	---	---	---
7	24.3	23.9	24.1	27.4	26.4	26.8	31.6	30.2	30.7	---	---	---
8	24.6	24.2	24.4	28.1	27.1	27.5	31.6	29.8	30.8	---	---	---
9	24.9	24.5	24.7	29.1	27.8	28.3	31.3	29.6	30.5	---	---	---
10	25.1	24.7	24.9	29.1	28.3	28.6	31.2	29.5	30.4	---	28.6	---
11	25.8	24.9	25.3	28.5	27.7	27.9	31.0	29.4	29.9	29.7	27.6	28.7
12	26.1	25.8	25.9	29.5	27.3	28.1	29.8	27.8	28.4	29.4	28.9	29.1
13	26.0	25.7	25.8	29.8	28.7	29.3	28.0	26.8	27.3	28.9	28.2	28.6
14	26.0	25.7	25.9	29.6	28.4	28.8	29.0	26.7	27.6	28.6	28.0	28.2
15	26.3	26.0	26.1	29.8	27.8	28.7	29.8	27.9	28.7	28.5	28.0	28.2
16	26.3	25.6	26.0	30.7	29.0	29.8	30.4	28.5	29.3	28.2	27.6	27.9
17	25.6	25.3	25.4	---	29.4	29.9	30.7	29.2	29.9	28.0	27.3	27.6
18	25.9	25.3	25.5	---	---	---	30.7	28.7	29.6	27.8	27.2	27.4
19	25.9	25.6	25.8	---	---	---	31.0	29.0	29.9	27.9	27.2	27.4
20	25.9	25.5	25.7	---	---	---	31.6	29.6	30.5	27.3	26.5	26.9
21	26.0	25.7	25.8	---	---	---	31.4	29.4	30.0	27.0	25.6	26.1
22	26.3	25.9	26.0	31.6	---	---	29.7	28.0	28.8	25.8	25.0	25.4
23	26.6	26.1	26.3	31.3	30.3	30.6	30.3	27.9	28.9	26.0	23.7	24.8
24	27.2	26.5	26.8	30.4	30.0	30.3	30.5	28.9	29.7	26.7	24.4	25.4
25	27.3	27.0	27.1	30.2	29.9	30.0	30.3	28.5	29.3	26.5	23.8	25.2
26	27.2	27.0	27.1	30.5	29.7	30.0	30.0	28.4	29.3	27.3	24.4	25.8
27	27.3	27.0	27.1	30.6	28.8	29.7	30.6	28.1	29.3	27.6	25.2	26.3
28	27.4	27.0	27.2	30.5	29.0	29.8	30.2	27.9	29.2	26.4	23.6	24.8
29	27.4	27.2	27.3	30.8	29.2	29.9	30.7	27.0	28.8	---	---	---
30	27.3	26.6	26.9	30.8	29.5	30.1	29.2	27.6	28.0	---	---	---
31	---	---	---	30.7	29.5	30.1	29.0	26.8	27.8	---	---	---
MONTH	27.4	23.5	25.5	---	---	---	32.1	26.7	29.5	---	---	---

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.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to May 1986 (gage height and discharge measurements only), June 1986 to current.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is 0.564 ft below NAVD 88. Reverse flow at times during the year.

REMARKS.--No estimated daily discharges. Records fair. Relief outlet for Atchafalaya basin; gage height and discharge affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 193,000 ft³/s, Mar. 13, 2003; maximum gage height, 8.51 ft, Apr. 5, 1997; maximum negative discharge, -174,000 ft³/s, Oct. 3, 2002; minimum, -1.15 ft, Dec. 23, 1989.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since 1942, 11.02 ft, May 27, 1973; minimum gage height, -2.82 ft, Oct. 18, 1948 (from records of Corps of Engineers, New Orleans District).

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 193,000 ft³/s, Mar. 13; maximum negative discharge, -174,000 ft³/s, Oct. 3; maximum gage height, 8.02 ft, Oct. 3; minimum gage height, 0.77 ft, Feb. 7.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51,900	67,600	66,600	---	52,500	---	125,000	85,500	181,000	131,000	75,800	45,900
2	46,200	60,300	63,500	---	51,500	166,000	123,000	85,200	---	128,000	75,400	46,500
3	2,460	52,600	60,000	---	47,500	---	117,000	85,200	---	124,000	74,300	47,400
4	88,600	61,400	60,400	---	51,100	---	112,000	82,300	---	123,000	73,700	47,000
5	69,300	63,800	71,800	---	45,000	---	109,000	79,500	---	120,000	75,700	44,900
6	63,600	77,800	62,600	---	43,400	---	100,000	83,500	---	118,000	76,400	45,500
7	60,600	70,100	58,700	---	52,400	---	102,000	85,800	---	113,000	76,000	44,500
8	62,800	70,800	59,000	135,000	42,100	---	106,000	85,800	176,000	106,000	75,000	44,000
9	69,000	72,500	56,800	132,000	40,900	---	111,000	87,600	168,000	95,400	71,200	41,900
10	70,600	72,000	58,400	137,000	52,700	179,000	105,000	87,800	160,000	85,700	70,400	49,300
11	72,000	76,200	53,200	136,000	43,800	---	102,000	97,300	150,000	80,500	68,600	52,000
12	68,300	82,400	55,000	125,000	52,200	---	101,000	108,000	148,000	76,200	67,600	60,300
13	70,800	71,800	61,200	152,000	51,000	186,000	97,100	112,000	143,000	71,300	67,900	74,400
14	63,500	68,200	60,200	128,000	51,300	185,000	93,500	116,000	150,000	65,200	68,500	85,100
15	63,200	71,300	58,000	122,000	55,500	184,000	89,300	122,000	153,000	66,600	65,100	89,800
16	60,000	74,500	58,500	120,000	69,700	181,000	82,200	126,000	132,000	70,500	65,900	86,000
17	58,500	64,600	54,300	120,000	71,600	179,000	82,300	133,000	131,000	70,400	66,700	86,100
18	55,600	62,100	53,100	110,000	72,800	175,000	87,200	147,000	128,000	73,600	67,400	84,400
19	56,000	68,800	54,600	107,000	76,800	169,000	88,100	135,000	130,000	78,800	64,600	79,500
20	56,100	73,200	62,500	103,000	82,400	163,000	84,000	150,000	134,000	80,900	64,400	71,500
21	63,800	75,900	60,600	99,200	83,900	160,000	89,100	157,000	135,000	80,600	63,700	61,100
22	60,400	80,000	71,600	97,400	106,000	155,000	92,500	159,000	138,000	82,500	60,900	61,600
23	59,600	75,700	76,000	94,100	117,000	127,000	94,300	161,000	138,000	86,700	59,100	59,600
24	62,500	76,300	65,900	85,000	128,000	147,000	90,700	---	137,000	90,100	58,500	53,900
25	60,000	74,600	112,000	74,700	138,000	143,000	96,100	---	136,000	88,500	57,000	51,900
26	64,600	74,700	119,000	69,300	143,000	144,000	97,400	---	137,000	85,500	53,900	45,600
27	62,800	72,000	123,000	63,700	153,000	127,000	95,000	---	136,000	83,400	50,200	47,900
28	71,000	62,800	---	56,000	---	144,000	90,900	---	134,000	80,900	49,500	52,500
29	69,000	62,800	---	52,600	---	136,000	87,800	178,000	133,000	79,300	48,800	45,200
30	74,700	65,900	---	55,100	---	133,000	85,500	---	133,000	78,100	38,000	46,100
31	73,800	---	---	55,100	---	128,000	---	---	---	76,200	45,600	---
TOTAL	1,934,250	2,105,700	---	---	---	---	2,921,600	---	---	2,789,900	1,995,800	1,751,400

07381590 WAX LAKE OUTLET AT CALUMET, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.49	2.20	1.88	---	1.76	---	3.88	3.14	5.89	4.47	2.48	2.95
2	2.74	2.18	2.07	---	1.78	4.96	3.73	3.07	---	4.39	2.48	2.72
3	4.93	2.64	2.13	---	1.94	---	3.71	3.01	---	4.32	2.49	2.52
4	3.86	2.57	2.19	---	1.59	---	3.74	3.27	---	4.20	2.49	2.27
5	2.96	3.00	1.61	---	1.51	---	3.57	3.86	---	4.12	2.57	2.34
6	2.58	2.14	1.65	---	1.81	---	3.66	3.86	---	3.98	2.59	2.29
7	2.48	2.32	1.83	---	0.95	---	3.66	3.75	---	3.89	2.68	2.45
8	2.53	2.49	1.72	3.77	1.39	---	3.67	3.54	5.73	3.63	2.50	2.61
9	2.97	2.65	1.69	3.77	2.06	---	3.15	3.57	5.51	3.41	2.58	2.79
10	3.12	2.79	1.79	3.77	1.62	5.77	3.06	3.78	5.36	3.16	2.49	2.56
11	2.73	2.85	1.97	3.73	1.78	---	3.10	3.67	5.38	2.88	2.51	2.59
12	2.72	2.10	2.07	3.74	1.76	---	3.02	3.23	5.18	2.89	2.63	3.11
13	2.30	1.89	2.29	3.73	1.83	6.10	2.93	3.40	4.96	3.08	2.58	3.28
14	2.23	2.43	1.49	3.62	2.03	6.07	2.83	3.80	4.72	3.40	2.45	2.99
15	2.31	2.41	1.78	3.51	2.32	6.05	2.73	4.02	4.55	3.38	2.40	2.96
16	2.16	1.60	1.81	3.55	2.14	6.08	2.99	4.24	4.88	2.93	2.59	2.98
17	2.50	1.78	2.04	3.06	1.88	6.05	2.98	4.64	4.17	2.68	2.61	3.14
18	2.47	2.06	2.27	3.17	2.24	5.98	2.75	4.51	4.22	2.59	2.34	3.09
19	2.72	2.03	2.38	3.03	2.44	5.87	3.02	4.55	4.26	2.61	2.38	3.01
20	2.55	2.28	1.80	3.01	2.44	5.61	3.03	4.67	4.38	2.51	2.33	2.71
21	2.37	2.31	2.13	2.90	3.07	5.57	2.92	4.84	4.47	2.55	2.21	3.01
22	2.39	2.16	2.27	2.67	3.59	5.05	3.04	4.86	4.44	2.69	2.35	2.77
23	2.55	2.13	2.67	2.04	3.58	4.84	3.15	4.95	4.42	2.86	2.49	2.51
24	2.53	2.31	3.16	1.96	3.82	4.71	3.54	---	4.43	2.76	2.56	2.80
25	2.76	2.35	2.71	1.96	3.98	4.64	3.57	---	4.48	2.76	2.59	2.65
26	2.55	2.23	3.03	1.91	4.29	4.51	3.12	---	4.51	2.77	2.63	2.85
27	2.87	1.69	3.23	1.97	4.50	4.52	3.06	---	4.54	2.71	2.64	2.77
28	2.91	1.64	---	2.03	---	4.54	3.08	---	4.46	2.71	2.57	2.21
29	2.89	1.89	---	1.94	---	4.71	3.40	5.67	4.52	2.73	2.51	2.05
30	2.70	2.01	---	1.89	---	4.85	3.24	---	3.75	2.71	3.14	2.12
31	2.25	---	---	1.89	---	3.86	---	---	---	2.64	3.12	---
MAX	4.93	3.00	---	---	---	---	3.88	---	---	4.47	3.14	3.28
MIN	2.16	1.60	---	---	---	---	2.73	---	---	2.51	2.21	2.05

Results were revised 2013
Please refer to USGS Scientific Investigations Report 2018-5147
<https://doi.org/10.3133/sir20185147>
Please direct inquiries to:
gs-w-lmg_mssediment@usgs.gov

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 TEMPERATURE: 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 TEMPERATURE: 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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
NOV 19...	1100	72,800	100	126	24,800
DEC 23...	1030	83,900	92	141	31,400
JAN 16...	1015	165,000	93	132	41,800
FEB 03...	1045	58,300	99	126	19,900
26...	1030	144,000	96	409	159,000
MAR 19...	1030	171,000	79	184	84,800
27...	0830	142,000	82	153	58,800
APR 10...	1030	105,000	95	146	41,700
25...	1030	87,100	90	160	37,600
MAY 03...	1230	184,000	82	205	102,000
25...	1500	138,000	93	196	73,000
JUL 02...	1200	127,000	95	183	63,800
16...	1015	68,500	100	124	22,900
29...	1130	80,500	100	178	38,700
AUG 13...	1100	71,000	100	143	27,400
29...	1415	45,700	100	65	8,060
SEP 17...	1030	88,300	100	229	54,700
25...	1030	57,000	100	79	12,100

073815925 CREWBOAT CHANNEL AT WAX LAKE OUTLET NEAR CALUMET, LA

LOCATION.--Lat. 29°32'24", long 91°26'08", T. 17 S., R. 10 E., St. Mary Parish, Hydrologic Unit 08080101, 12 miles downstream from U.S. Highway 90, 12.4 miles downstream from Bayou Teche, 12.5 miles south-southwest of Calumet, and 19 miles southwest of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 3, 2002 to November 4, 2003.

GAGE.--Water-stage recorder. Datum of gage is assumed.

REMARKS.--Gage height affected by tide and wind at all stages. Satellite telemetry at station. Records prior to October 1, 2002 are located at Louisiana District Office. Site discontinued on November 4, 2003.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.34 ft, Oct. 3, 2002; minimum, 2.71 ft, Feb. 7, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.34 ft, Oct. 3; minimum gage height, 2.71 ft, Feb. 7.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.47	4.04	3.72	4.51	3.68	4.69	4.40	4.61	4.98	4.89	4.14	4.99
2	4.73	4.10	3.93	4.46	3.72	4.68	4.32	4.52	5.18	4.94	4.14	4.75
3	6.93	4.64	4.03	4.30	3.92	4.71	4.46	4.45	5.27	4.98	4.16	4.53
4	5.41	4.49	4.05	4.48	3.51	5.09	4.61	4.84	5.15	4.88	4.15	4.28
5	4.76	4.82	3.33	4.45	3.54	5.01	4.48	5.58	5.21	4.82	4.21	4.31
6	4.45	3.75	3.54	4.38	3.86	4.92	4.80	5.35	5.37	4.76	4.20	4.32
7	4.38	4.12	3.74	4.27	2.92	4.90	4.69	5.20	5.13	4.76	4.25	4.48
8	4.41	4.28	3.63	4.23	3.49	5.00	4.55	4.99	4.98	4.63	3.93	4.64
9	4.77	4.41	3.63	4.30	4.15	4.93	3.91	4.97	4.96	4.65	4.30	4.87
10	4.90	4.56	3.69	4.23	3.54	4.95	4.01	5.29	5.05	4.57	4.22	4.57
11	4.47	4.47	3.96	4.26	3.81	5.02	4.15	4.81	5.22	4.50	4.26	4.59
12	4.53	3.66	4.04	4.28	3.69	5.06	4.05	4.19	5.21	4.51	4.40	5.08
13	4.03	3.70	4.00	4.35	3.81	4.99	4.02	4.37	5.15	4.82	4.35	5.00
14	4.15	4.23	3.37	4.30	3.98	5.05	4.01	4.68	5.02	5.23	4.22	4.59
15	4.15	4.15	3.68	4.30	4.21	5.08	4.00	4.77	5.00	5.14	4.25	4.50
16	4.10	3.30	3.71	4.40	3.80	5.27	4.40	4.90	4.87	4.61	4.41	4.59
17	4.43	3.65	4.00	3.88	3.57	5.24	4.47	5.17	4.83	4.36	4.39	4.73
18	4.45	3.94	4.19	4.21	3.93	5.32	4.28	4.67	4.80	4.25	4.11	4.68
19	4.70	3.78	4.29	4.10	4.06	5.34	4.67	4.69	4.80	4.22	4.21	4.67
20	4.52	4.02	3.61	4.13	4.00	5.19	4.55	4.70	4.85	4.06	4.15	4.47
21	4.25	3.98	4.04	4.12	4.68	4.87	4.35	4.68	4.86	4.11	4.04	4.90
22	4.31	3.78	3.96	3.94	4.66	4.84	4.44	4.63	4.76	4.22	4.25	4.59
23	4.48	3.85	4.39	3.39	4.48	4.68	4.56	4.67	4.72	4.34	4.39	4.43
24	4.42	4.00	4.46	3.56	4.44	4.69	5.06	4.78	4.82	4.15	4.46	4.78
25	4.67	4.07	3.81	3.63	4.43	4.76	4.76	4.85	4.90	4.16	4.52	4.66
26	4.41	3.93	4.04	3.70	4.73	4.58	4.33	4.91	4.92	4.23	4.59	4.92
27	4.78	3.43	4.14	3.81	4.58	4.86	4.38	4.82	4.96	4.23	4.65	4.77
28	4.62	3.48	4.18	3.92	4.59	4.88	4.49	4.90	4.93	4.28	4.60	4.15
29	4.70	3.76	4.42	3.85	---	4.33	4.57	4.92	5.15	4.34	4.55	4.10
30	4.39	3.81	4.70	3.76	---	4.21	4.63	4.99	5.24	4.32	5.27	4.17
31	3.99	---	4.94	3.79	---	4.33	---	5.10	---	4.28	5.20	---
MAX	6.93	4.82	4.94	4.51	4.73	5.34	5.06	5.58	5.37	5.23	5.27	5.08
MIN	3.99	3.30	3.33	3.39	2.92	4.21	3.91	4.19	4.72	4.06	3.93	4.10

073815963 LAKE MURPHY NEAR BAYOU SORREL, LA

LOCATION.--Lat. 30°06'24", long 91°23'08", sec. 18, T. 11 S., R. 11 E., Iberia Parish, Hydrologic Unit 08080101, on south bank 7 miles from Bayou Pigeon landing near Bayou Sorrel.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.27 ft, June 10, 2002; minimum gage height, 6.98 ft, Nov. 21, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.99 ft, June 6; minimum gage height, 7.21 ft, Feb. 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.38	9.18	8.33	10.71	8.23	11.29	11.43	9.69	13.33	12.04	9.38	8.63
2	8.34	9.08	8.32	10.88	8.11	11.50	11.31	9.66	13.52	11.97	9.33	8.58
3	8.90	8.98	8.30	10.98	8.00	11.71	11.18	9.63	13.87	11.88	9.29	8.47
4	9.23	8.98	8.36	11.03	7.78	11.91	11.04	9.62	13.89	11.80	9.24	8.31
5	9.31	9.08	8.56	11.06	7.56	12.11	10.91	9.64	13.92	11.71	9.21	8.23
6	9.25	9.13	8.50	11.07	7.54	12.35	10.78	9.68	13.96	11.61	9.21	8.16
7	9.14	9.10	8.39	11.07	7.47	12.58	10.79	9.75	13.97	11.49	9.20	8.16
8	9.05	9.09	8.31	11.06	7.30	12.68	11.09	9.81	13.89	11.38	9.17	8.24
9	9.19	9.08	8.14	11.06	7.59	12.79	10.96	9.83	13.76	11.18	9.12	8.30
10	9.43	9.13	8.17	11.03	7.92	12.88	10.79	9.85	13.60	10.94	9.05	8.35
11	9.40	9.18	8.14	11.01	7.74	12.98	10.63	9.88	13.70	10.72	9.00	8.37
12	9.32	9.17	8.15	10.99	7.88	13.10	10.50	9.92	13.60	10.49	9.15	8.61
13	9.22	9.12	8.33	10.97	7.88	13.24	10.37	10.00	13.34	10.27	9.18	8.93
14	9.08	9.06	8.26	10.92	8.02	13.33	10.25	10.12	13.09	10.09	9.11	9.05
15	8.95	9.05	8.17	10.86	8.28	13.38	10.13	10.29	12.84	9.95	9.01	9.12
16	8.80	8.99	8.11	10.79	8.73	13.41	10.01	10.46	12.61	9.82	8.96	9.19
17	8.68	8.88	8.09	10.70	8.79	13.42	9.90	10.68	12.44	9.72	8.94	9.23
18	8.58	8.78	8.18	10.61	8.83	13.39	9.81	10.93	12.29	9.66	8.90	9.27
19	8.52	8.74	8.28	10.52	8.90	13.35	9.72	11.14	12.15	9.59	8.83	9.30
20	8.48	8.83	8.27	10.42	8.96	13.24	9.67	11.33	12.09	9.55	8.80	9.27
21	8.48	8.91	8.24	10.33	9.19	13.08	9.63	11.53	12.05	9.51	8.74	9.21
22	8.49	8.91	8.41	10.21	9.48	12.89	9.62	11.72	12.01	9.50	8.67	9.26
23	8.48	8.90	8.65	10.05	9.74	12.71	9.65	11.88	12.00	9.54	8.59	9.14
24	8.49	8.89	9.09	9.85	10.01	12.54	9.69	12.05	11.99	9.59	8.58	9.00
25	8.57	8.87	9.28	9.66	10.32	12.37	9.74	12.23	12.02	9.61	8.61	8.85
26	8.78	8.85	9.47	9.46	10.59	12.23	9.78	12.41	12.00	9.63	8.55	8.71
27	8.86	8.75	9.67	9.27	10.85	12.09	9.80	12.58	12.02	9.59	8.52	8.63
28	8.99	8.56	9.86	9.07	11.07	11.96	9.79	12.74	11.99	9.56	8.46	8.52
29	9.21	8.41	10.04	8.85	---	11.82	9.76	12.89	11.97	9.52	8.36	8.21
30	9.30	8.36	10.23	8.63	---	11.68	9.72	13.05	12.01	9.47	8.46	8.09
31	9.25	---	10.49	8.46	---	11.54	---	13.20	---	9.43	8.63	---
MAX	9.43	9.18	10.49	11.07	11.07	13.42	11.43	13.20	13.97	12.04	9.38	9.30
MIN	8.34	8.36	8.09	8.46	7.30	11.29	9.62	9.62	11.97	9.43	8.36	8.09

073815973 CROSS BAYOU AT BAYOU PIGEON NEAR BAYOU PIGEON, LA

LOCATION.--Lat. 30°03'24", long 91°23'08", sec. 5, T. 12 S., R. 11 E., Iberville Parish, Hydrologic Unit 08080101, on east bank 3 miles from Bayou Pigeon landing near Bayou Pigeon.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is assumed.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.51 ft, June 10, 2002; minimum gage height, 10.39 ft, Nov. 21, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.19 ft, June 7; minimum gage height, 10.53 ft, Feb. 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.80	---	11.68	13.94	11.54	14.43	14.61	12.99	---	15.27	12.81	11.97
2	11.77	---	11.68	14.10	11.43	14.64	14.50	12.96	---	15.21	12.74	11.93
3	12.28	---	11.67	14.20	11.32	14.84	14.38	12.93	17.04	15.12	12.70	11.82
4	12.66	---	11.74	14.26	11.15	15.05	14.26	12.92	17.07	15.05	12.67	11.68
5	12.72	---	11.94	14.29	10.91	15.26	14.14	12.94	17.11	14.97	12.66	---
6	12.64	---	11.85	14.31	10.89	15.50	14.02	13.00	17.15	14.87	12.65	---
7	12.49	12.46	11.75	14.31	10.82	15.72	14.04	13.07	17.17	14.76	12.64	---
8	12.43	12.47	11.67	14.30	10.65	15.83	14.32	13.12	17.08	14.64	12.59	---
9	12.58	12.47	11.51	14.29	10.94	15.95	14.21	13.13	16.95	14.47	12.50	---
10	12.81	12.50	11.54	14.27	11.27	16.05	14.05	13.15	16.80	14.25	12.47	---
11	12.78	12.56	11.50	14.24	11.08	16.15	13.89	13.19	16.92	14.03	12.42	---
12	12.70	12.56	11.52	14.22	11.23	16.27	13.76	13.24	16.83	13.80	12.51	---
13	---	12.47	11.71	14.20	11.23	16.41	13.64	13.30	16.57	13.59	12.54	---
14	---	12.42	11.61	14.17	11.35	16.51	13.52	13.39	16.32	13.42	12.50	---
15	---	12.41	11.53	14.11	11.62	16.56	13.40	13.52	16.07	13.29	12.37	---
16	---	12.34	11.47	14.05	12.07	16.60	13.29	13.66	15.85	13.16	12.35	---
17	---	12.20	11.46	13.97	12.13	16.62	13.19	13.86	15.68	13.06	12.31	---
18	---	12.12	11.55	13.88	12.17	16.60	13.10	14.08	15.53	13.01	12.26	---
19	---	12.10	11.66	13.79	12.24	16.54	13.03	---	15.39	12.94	12.22	---
20	---	12.17	11.65	13.71	12.31	16.43	12.98	---	15.32	12.91	12.19	---
21	---	12.26	11.61	13.62	12.52	16.27	12.96	---	15.26	12.87	12.11	---
22	---	12.27	11.81	13.51	12.82	16.09	12.94	---	15.22	12.85	12.07	---
23	---	12.25	12.03	13.33	13.04	15.90	12.96	---	15.20	12.92	11.96	---
24	---	12.23	12.48	13.09	13.30	15.73	12.99	---	15.19	13.00	11.94	---
25	---	12.22	12.66	12.90	13.55	15.57	13.06	---	15.22	13.02	12.00	---
26	---	12.20	12.83	12.69	13.78	15.42	13.10	---	15.21	13.04	11.90	---
27	---	12.07	13.00	12.48	14.01	15.28	13.10	---	15.22	13.01	11.90	---
28	---	11.87	13.16	12.27	14.22	15.15	13.08	---	15.21	12.99	11.83	---
29	---	11.73	13.32	12.07	---	15.01	13.06	---	15.18	12.94	11.73	---
30	---	11.71	13.48	11.91	---	14.87	13.01	---	15.23	12.89	11.79	---
31	---	---	13.73	11.77	---	14.73	---	---	---	12.86	11.96	---
MAX	---	---	13.73	14.31	14.22	16.62	14.61	---	---	15.27	12.81	---
MIN	---	---	11.46	11.77	10.65	14.43	12.94	---	---	12.85	11.73	---

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA

LOCATION.--Lat. 29°42'09", long 91°12'07", on line between secs. 1 and 6, St. Mary Parish, Hydrologic Unit 08080101, near center of span on downstream side of Southern Railways System bridge at Morgan City, 0.3 mi downstream from U. S. Highway 90, 0.3 mi upstream from Bayou Boeuf, and 1.0 mi. southwest of Morgan City High School. Prior to November 8, 1996, at site 1,200 ft upstream.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to September 1994, October 1996 to September 1997 (gage height and discharge measurements only); October 1994 to September 1996; October 1997 to current year (gage height and discharge). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans District, and National Weather Service.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is 0.45 ft below NAVD 88, prior to Oct. 1, 2000, at NGVD of 1929. Prior to November 8, 1996, at site 1,200 ft upstream at same datum. Prior to October 1984 at datum 0.34 ft higher and prior to July 1983 at 0.17 ft higher. Prior to October 1981 at NGVD.

REMARKS.--Records fair. Discharge and gage height affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 373,000 ft³/s, June 24, 1995; minimum discharge recorded, -151,000 ft³/s, Oct. 3, 2003; maximum gage height, 8.54 ft, Aug. 25, 1992, but may have been higher during Hurricane Andrew; minimum gage height, -0.94 ft, Nov. 29, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a gage height of 10.53 ft, from incomplete record, discharge not determined. Maximum discharge observed during flood of June 8, 1927, 741,000 ft³/s. Minimum gage height, -5.44 ft, Aug. 25, 1926 (affected by storm). All data from records of Corps of Engineers, New Orleans District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 300,000 ft³/s, Mar. 15; maximum gage height, 7.15 ft, Oct. 3; minimum discharge, -151,000 ft³/s, Oct. 3; minimum gage height, 0.87 ft, Feb. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69,500	86,400	87,300	177,000	70,900	192,000	156,000	123,000	237,000	160,000	92,300	64,900
2	60,600	80,700	82,400	179,000	69,000	207,000	153,000	123,000	238,000	155,000	90,800	65,900
3	19,600	66,500	75,300	178,000	67,500	225,000	126,000	126,000	247,000	151,000	90,000	65,200
4	99,100	74,100	79,500	171,000	66,700	220,000	144,000	109,000	249,000	148,000	91,600	65,300
5	91,800	79,800	91,400	171,000	55,100	228,000	149,000	96,300	249,000	145,000	93,200	66,300
6	88,600	108,000	76,800	171,000	58,500	222,000	137,000	106,000	237,000	141,000	94,800	61,800
7	85,500	90,700	74,900	169,000	69,000	255,000	134,000	117,000	223,000	138,000	93,600	61,700
8	77,300	91,900	77,800	170,000	53,200	261,000	145,000	122,000	227,000	131,000	98,400	57,200
9	86,200	89,300	76,600	164,000	49,800	264,000	149,000	120,000	216,000	119,000	95,300	44,500
10	90,200	93,000	74,600	168,000	71,000	270,000	141,000	112,000	202,000	110,000	95,000	49,600
11	96,600	102,000	76,600	167,000	57,700	272,000	130,000	132,000	198,000	102,000	89,600	53,900
12	89,700	108,000	70,400	166,000	59,800	277,000	133,000	135,000	191,000	99,600	87,100	65,800
13	89,100	98,800	79,200	158,000	64,000	281,000	137,000	135,000	184,000	92,100	88,100	83,400
14	81,800	89,300	80,700	151,000	65,000	277,000	131,000	138,000	185,000	83,000	85,000	108,000
15	87,500	95,600	79,400	147,000	72,500	278,000	125,000	146,000	179,000	83,100	78,200	114,000
16	81,300	105,000	77,200	143,000	88,200	273,000	121,000	152,000	172,000	93,400	87,700	110,000
17	75,200	87,600	68,200	148,000	88,700	269,000	124,000	154,000	168,000	90,800	90,100	106,000
18	68,200	84,200	64,000	132,000	90,900	260,000	123,000	176,000	167,000	90,700	91,400	109,000
19	66,700	93,600	71,700	121,000	98,000	249,000	110,000	181,000	162,000	94,900	90,900	106,000
20	72,500	95,700	82,700	126,000	100,000	237,000	124,000	187,000	163,000	100,000	90,900	97,800
21	84,100	99,000	74,200	122,000	97,000	223,000	134,000	193,000	166,000	99,100	91,200	---
22	76,500	107,000	92,000	120,000	120,000	206,000	128,000	195,000	169,000	99,700	87,600	---
23	74,800	99,000	88,000	119,000	138,000	195,000	128,000	199,000	169,000	102,000	83,000	---
24	80,400	106,000	117,000	104,000	157,000	186,000	124,000	207,000	168,000	105,000	80,600	---
25	74,400	99,400	139,000	94,400	166,000	177,000	129,000	208,000	169,000	106,000	78,600	---
26	86,700	102,000	144,000	87,500	166,000	179,000	133,000	213,000	168,000	105,000	70,400	---
27	76,000	95,400	156,000	82,500	159,000	172,000	126,000	226,000	164,000	103,000	69,000	---
28	96,000	90,400	159,000	77,000	159,000	170,000	125,000	221,000	163,000	99,800	66,900	---
29	96,100	86,500	159,000	77,500	---	176,000	123,000	220,000	159,000	98,900	64,900	65,600
30	98,800	87,000	160,000	75,400	---	160,000	124,000	225,000	156,000	96,700	45,300	68,800
31	89,700	---	162,000	75,200	---	158,000	---	230,000	---	93,300	57,100	---
TOTAL	2,511,600	2,786,000	2,992,400	4,223,500	2,630,500	7,040,000	4,012,000	5,027,300	5,755,000	3,436,100	2,608,600	---
MEAN	81,020	92,870	96,530	136,200	93,950	227,100	133,700	162,200	191,800	110,800	84,150	---

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.52	2.24	1.83	3.86	1.76	4.41	3.92	3.04	5.55	4.51	2.46	2.86
2	2.72	2.16	1.99	3.91	1.77	4.58	3.80	3.00	5.63	4.41	2.45	2.67
3	4.59	2.53	2.06	3.74	1.90	4.73	3.75	2.95	5.82	4.35	2.45	2.51
4	3.85	2.53	2.16	3.75	1.66	5.01	3.77	3.10	5.82	4.26	2.43	2.31
5	3.05	2.95	1.72	3.80	1.48	5.13	3.64	3.60	5.79	4.18	2.50	2.37
6	2.68	2.30	1.67	3.74	1.76	5.23	3.67	3.64	5.86	4.05	2.52	2.28
7	2.56	2.32	1.80	3.66	1.10	5.29	3.71	3.58	5.73	3.96	2.50	2.40
8	2.54	2.44	1.71	3.60	1.33	5.41	3.79	3.42	5.55	3.78	2.30	2.53
9	2.92	2.60	1.66	3.61	1.94	5.47	3.43	3.41	5.40	3.57	2.49	2.66
10	3.08	2.75	1.81	3.63	1.67	5.48	3.25	3.57	5.28	3.33	2.42	2.48
11	2.83	2.88	1.90	3.54	1.73	5.56	3.22	3.56	5.36	3.13	2.46	2.48
12	2.76	2.28	1.98	3.54	1.74	5.71	3.14	3.21	5.26	2.99	2.53	2.90
13	2.46	1.95	2.39	3.55	1.77	5.73	3.03	3.24	5.07	3.07	2.48	3.12
14	2.28	2.34	1.57	3.51	1.97	5.77	2.91	3.51	4.88	3.32	2.37	2.91
15	2.41	2.38	1.74	3.42	2.27	5.76	2.78	3.69	4.71	3.31	2.31	2.88
16	2.20	1.75	1.77	3.48	2.21	5.81	2.95	3.83	4.55	2.97	2.48	2.88
17	2.44	1.79	1.97	3.14	1.92	5.83	2.98	4.17	4.32	2.78	2.52	3.01
18	2.37	1.99	2.20	3.13	2.15	5.79	2.78	4.09	4.34	2.69	2.32	2.99
19	2.63	1.98	2.33	3.04	2.35	5.75	2.92	4.13	4.33	2.67	2.34	2.96
20	2.50	2.21	1.90	2.99	2.33	5.56	2.96	4.24	4.37	2.58	2.31	2.70
21	2.37	2.28	2.06	2.92	2.84	5.60	2.90	4.41	4.40	2.58	2.20	2.93
22	2.36	2.17	2.23	2.76	3.43	5.09	2.96	4.50	4.38	2.68	2.28	2.83
23	2.49	2.09	2.51	2.21	3.34	4.92	3.02	4.61	4.34	2.83	2.44	2.52
24	2.48	2.23	3.11	2.02	3.51	4.77	3.33	4.78	4.34	2.77	2.49	2.72
25	2.68	2.28	2.71	1.98	3.62	4.68	3.17	4.35	4.38	2.73	2.51	2.61
26	2.54	2.21	2.83	1.92	3.91	4.58	3.10	5.09	4.40	2.72	2.55	2.76
27	2.78	1.77	2.97	1.95	4.09	4.56	2.99	5.14	4.43	2.67	2.56	2.72
28	2.91	1.63	3.07	2.02	4.19	4.56	2.98	5.24	4.39	2.67	2.50	2.30
29	2.87	1.82	3.28	1.95	---	4.75	2.97	5.36	4.42	2.69	2.42	2.08
30	2.77	1.98	3.47	1.88	---	5.07	3.05	5.44	4.64	2.67	2.94	2.10
31	2.37	---	4.02	1.91	---	5.95	---	5.55	---	2.61	2.98	---
MAX	4.59	2.95	4.02	3.91	4.19	5.83	3.92	5.55	5.86	4.51	2.98	3.12
MIN	2.20	1.63	1.57	1.87	1.40	5.35	2.78	2.95	4.33	2.58	2.20	2.08

Results were revised 2019
 Please refer to USGS Scientific Investigations Report 2018-5147
<https://doi.org/10.3133/sir20185147>
 Please direct inquiries to:
 gs-w-lmg_mssediment@usgs.gov

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 TEMPERATURE-5 FT DEPTH: October 1976 to September 1984, May 1990 to September 1992.

WATER TEMPERATURE-25 FT DEPTH: December 1990 to February 1991.

WATER TEMPERATURE-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 TEMPERATURE-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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge (cfs)	Suspended sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration (mg/L) (80154)	Suspended sediment load (tons/d) (80155)
NOV					
21...	0945	108,000	98	134	39,100
DEC					
23...	1500	117,000	98	141	54,200
JAN					
16...	1230	157,000	86	186	79,000
FEB					
02...	1345	79,100	99	136	21,100
26...	1315	169,000	89	419	181,000
MAR					
21...	0830	217,000	63	248	145,000
27...	1400	172,000	81	189	87,800
APR					
10...	1230	135,000	98	164	89,800
22...	1245	105,000	99	166	47,000
JUN					
04...	1255	266,000	90	256	184,000
29...	0830	167,000	91	289	85,000
JUL					
03...	0900	161,000	98	188	81,600
16...	1330	97,300	100	140	36,700
19...	1400	102,000	100	190	52,400
AUG					
14...	0830	84,000	100	151	34,200
27...	1500	57,800	100	83	12,900
SEP					
17...	1245	116,000	100	258	80,600
25...	1300	11,900	100	80	15,600

Results were revised 2/18/2018
 Please refer to USGS Scientific Investigations Report 2018-5147
<https://doi.org/10.3133/sir2018-5147>
 Please direct inquiries to:
gs-wrlng-mssediment@usgs.gov

073816202 GULF INTRACOASTAL WATERWAY AT MILE 103 SOUTH OF MORGAN CITY, LA

LOCATION.--Lat 29°38'58", long 91°18'15", T. 16 S., R. 12 E., Sec. 4, St. Mary Parish, Hydrologic Unit 08080101, on left bank of stream, mile 103 of GIWW, and four miles west of Lower Atchafalaya River.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1988 to current year. Unpublished data prior to Oct. 1, 2001, located in the Louisiana District, Baton Rouge Field Office.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Records fair. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.00 ft, June 10, 2002, minimum gage height, 0.25 ft, Feb. 7, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.84 ft, June 6; minimum gage height, 0.25 ft, Feb. 7.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.68	---	1.39	2.66	1.22	3.39	2.92	2.47	4.34	3.42	1.79	2.39
2	1.80	---	1.49	2.69	1.24	3.49	2.81	2.41	4.44	3.36	1.75	2.17
3	2.62	---	1.54	2.62	1.40	3.60	2.82	2.35	4.60	3.32	1.78	1.98
4	2.28	---	1.59	2.66	1.11	3.87	2.88	2.58	4.60	3.24	1.78	1.77
5	1.93	---	1.37	2.70	1.00	3.94	2.76	3.16	4.58	3.17	1.80	1.83
6	1.77	---	1.40	2.68	1.29	4.00	2.87	3.15	4.65	3.05	1.83	1.77
7	1.73	---	1.49	2.69	0.52	4.03	2.91	3.05	4.51	2.98	---	1.91
8	1.74	---	1.46	2.65	0.89	4.11	2.95	2.86	4.34	2.81	---	2.04
9	1.92	---	1.47	2.68	1.51	4.16	2.48	2.87	4.22	2.67	1.90	2.21
10	1.99	---	1.54	2.67	1.13	4.15	2.37	3.06	4.17	2.48	1.84	1.98
11	1.85	---	1.62	2.62	1.25	4.24	2.41	2.95	4.25	2.33	1.90	1.99
12	1.85	---	1.67	2.64	1.23	4.35	2.33	2.48	4.19	2.24	2.00	2.43
13	1.70	---	1.82	2.66	1.28	4.37	2.25	2.56	4.04	2.41	1.93	2.57
14	1.66	---	1.49	2.60	1.48	4.40	2.17	2.86	3.86	2.72	1.81	2.27
15	1.71	---	1.60	2.54	1.76	4.39	2.08	3.01	3.74	2.70	1.79	2.22
16	1.64	---	1.63	2.62	1.61	4.46	2.33	3.15	3.60	2.31	1.96	2.24
17	1.78	---	1.75	2.19	1.30	4.48	2.35	3.49	3.49	---	1.99	2.38
18	1.77	---	1.87	2.30	1.59	4.46	2.14	3.29	3.47	---	1.74	2.36
19	1.89	---	1.94	2.21	1.78	4.45	2.38	3.30	3.44	---	1.77	2.33
20	1.83	---	1.73	2.19	1.74	4.28	2.37	3.38	3.51	---	1.74	2.08
21	1.76	---	1.85	2.13	2.31	4.02	2.26	3.48	3.54	---	1.62	2.39
22	1.77	1.35	1.91	1.96	2.76	3.84	2.32	3.50	3.50	---	1.74	2.23
23	1.85	1.34	2.07	1.39	2.60	3.69	2.41	3.59	3.46	---	1.91	1.94
24	1.83	1.43	2.30	1.32	2.72	3.57	2.78	3.73	3.48	---	1.96	2.21
25	---	1.47	2.08	1.34	2.80	3.53	2.84	3.87	3.39	---	1.99	2.09
26	---	1.45	2.17	1.32	3.07	3.43	2.42	3.99	3.33	---	2.04	2.28
27	---	1.26	2.25	1.39	3.17	3.46	2.35	4.01	3.38	---	2.07	2.20
28	---	1.24	2.30	1.48	3.21	3.49	2.39	4.09	3.34	---	2.00	1.71
29	---	1.36	2.41	1.40	---	3.16	2.41	4.18	3.44	---	1.93	1.53
30	---	1.44	2.53	1.31	---	2.94	2.46	4.24	3.65	2.01	2.52	1.57
31	---	---	2.76	1.36	---	2.89	---	4.37	---	1.94	2.54	---
MAX	---	---	2.76	2.70	3.21	4.48	2.95	4.37	4.65	---	---	2.57
MIN	---	---	1.37	1.31	0.52	2.89	2.08	2.35	3.33	---	---	1.53

073816503 BAYOU PENCHANT SOUTH OF MORGAN CITY, LA

LOCATION.--Lat. 29°35'07", long 91°10'47", sec. 17, T. 17 S., R. 13 E., Terrebonne Parish, Hydrologic Unit 08090302, 7.5 miles south-southeast of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--Records fair. Discharge and gage height affected by tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 14,900 ft³/s, Oct. 3, 2002; maximum negative discharge, -10,400 ft³/s, Oct. 3, 2002; maximum gage height, 3.68 ft, June 10, 2001; minimum gage height, -0.39 ft, Jan. 29, Feb. 4, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 14,900 ft³/s, Oct. 3; maximum gage height, 3.56 ft, Oct. 3; maximum negative discharge, -10,400 ft³/s, Oct.3; minimum gage height, 0.35 ft, Feb. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,280	2,160	2,010	3,690	1,370	4,840	3,600	2,950	5,990	3,480	2,200	1,150
2	2,400	2,300	2,040	4,420	1,280	5,140	3,450	2,650	6,190	3,210	2,580	25
3	3,570	3,140	1,870	3,740	1,380	4,820	3,580	2,560	6,370	3,670	2,670	278
4	-2,950	2,280	1,620	3,920	1,800	5,480	4,010	2,540	5,950	3,330	2,550	357
5	-4,560	3,410	2,440	3,930	1,130	5,370	3,590	4,340	5,740	3,590	2,380	1,290
6	-3,140	1,130	2,220	4,080	2,010	5,600	2,930	2,910	6,230	3,480	2,440	1,880
7	-1,130	1,790	1,890	3,810	1,150	5,380	---	2,270	5,910	3,680	2,600	1,400
8	42	1,770	1,830	3,760	1,920	5,740	---	1,530	5,610	2,910	2,120	898
9	2,500	1,760	2,030	4,200	2,020	6,030	3,390	1,740	5,620	2,850	2,660	1,940
10	2,010	1,960	2,250	4,400	1,420	6,280	---	2,710	5,540	2,730	2,410	1,250
11	1,030	2,530	2,220	3,990	1,590	5,790	3,680	2,510	5,970	2,660	2,460	1,330
12	1,280	968	1,740	3,820	1,490	6,240	3,430	1,110	6,180	2,340	2,650	2,640
13	823	1,100	3,250	4,140	1,620	6,000	3,390	2,570	5,230	3,100	2,210	2,820
14	1,580	2,800	1,090	3,920	1,330	6,380	3,260	3,510	4,750	2,330	2,540	1,900
15	2,320	2,760	2,000	3,680	1,750	6,410	3,020	3,830	4,500	1,700	2,410	2,430
16	1,640	1,780	1,590	4,450	2,760	6,130	3,770	3,450	4,420	1,190	2,780	2,900
17	2,520	2,120	1,940	3,020	1,960	6,420	3,800	5,110	4,240	926	1,580	2,990
18	1,970	1,690	1,080	3,380	2,070	5,930	2,650	3,810	4,530	716	1,190	2,610
19	2,700	1,910	2,340	2,940	2,910	6,220	2,940	4,140	4,240	1,990	1,520	2,340
20	2,080	2,760	1,400	2,890	2,560	5,860	2,960	4,290	4,150	2,000	1,240	1,600
21	1,620	2,730	1,450	3,180	3,070	5,230	3,260	5,220	3,940	2,480	1,620	2,580
22	1,600	2,500	1,890	3,210	5,520	4,680	3,140	5,000	3,960	2,610	2,060	1,560
23	2,030	2,580	2,140	2,850	2,770	3,800	3,070	5,180	4,150	2,710	1,940	1,360
24	1,610	2,130	4,950	2,760	3,680	2,920	3,640	5,220	4,410	2,490	1,850	2,630
25	2,060	2,530	2,860	2,400	3,740	2,850	4,030	5,400	4,520	2,580	1,920	2,090
26	1,480	2,340	3,350	2,410	4,690	2,730	2,890	5,660	4,520	2,400	1,920	2,520
27	2,010	2,250	3,560	2,140	4,440	4,160	3,010	5,300	4,800	2,780	1,960	1,500
28	2,180	2,540	3,780	1,670	4,150	4,660	3,090	5,860	4,470	2,660	1,470	110
29	1,380	2,470	3,700	1,610	---	4,150	3,350	5,890	4,620	1,450	1,720	191
30	1,180	2,390	3,990	1,830	---	3,940	3,320	6,000	5,240	1,620	3,360	933
31	1,060	---	5,630	1,590	---	3,780	---	6,170	---	2,610	2,160	---
TOTAL	36,175	66,578	76,150	101,830	67,580	158,960	---	121,430	151,990	78,272	67,170	49,502
MEAN	1,167	2,219	2,456	3,285	2,414	5,128	---	3,917	5,066	2,525	2,167	1,650

073816503 BAYOU PENCHANT SOUTH OF MORGAN CITY, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	1.89	0.91	2.05	1.05	2.25	2.01	1.99	2.60	2.81	1.63	2.41
2	1.99	1.77	1.05	2.05	1.08	2.30	1.96	1.93	2.68	2.77	1.61	2.26
3	2.84	2.04	1.15	1.85	1.22	2.35	1.98	1.89	2.86	2.74	1.61	2.14
4	2.93	2.13	1.31	1.86	1.13	2.51	2.09	1.99	2.88	2.67	1.61	1.98
5	2.42	2.40	1.03	1.91	0.90	2.59	2.07	2.39	2.92	2.62	1.65	1.96
6	2.23	1.85	0.85	1.86	1.16	2.66	2.16	2.48	3.05	2.52	1.67	1.92
7	2.16	1.66	1.04	1.77	0.70	2.66	---	2.49	3.02	2.49	1.76	1.93
8	2.12	1.75	1.03	1.70	0.69	2.71	---	2.41	2.92	2.42	1.50	1.96
9	2.38	1.82	1.02	1.71	1.16	2.74	2.04	2.40	2.85	2.35	1.63	2.11
10	2.48	1.94	1.21	1.77	1.11	2.73	---	2.48	2.82	2.28	1.62	2.01
11	2.34	2.05	1.26	1.64	1.03	2.75	1.88	2.45	2.93	2.19	1.65	1.98
12	2.26	1.58	1.26	1.62	1.12	2.81	1.81	2.07	2.96	2.13	1.72	2.25
13	2.02	1.21	1.57	1.66	1.07	2.83	1.76	1.97	2.89	2.24	1.72	2.36
14	1.61	1.47	0.97	1.66	1.21	2.87	1.70	2.11	2.83	2.41	1.66	2.15
15	1.71	1.50	1.03	1.64	1.49	2.89	1.63	2.17	2.76	2.47	1.57	2.08
16	1.79	0.92	1.06	1.75	1.50	2.98	1.86	2.20	2.67	2.28	1.77	2.07
17	2.01	0.76	1.20	1.43	1.16	3.04	1.94	2.42	2.59	2.12	1.86	2.16
18	1.95	0.95	1.39	1.45	1.27	3.06	1.78	2.28	2.56	2.01	1.67	2.16
19	2.13	0.98	1.55	1.44	1.41	3.10	1.89	2.21	2.55	1.90	1.69	2.16
20	1.95	1.02	1.26	1.47	1.37	3.03	1.92	2.21	2.57	1.74	1.68	2.03
21	1.84	1.05	1.24	1.48	1.76	2.85	1.84	2.27	2.58	1.69	1.58	2.22
22	1.82	0.97	1.35	1.44	2.21	2.71	1.82	2.23	2.53	1.75	1.64	2.22
23	1.93	0.80	1.44	0.99	1.98	2.61	1.84	2.24	2.47	1.85	1.79	2.00
24	2.02	1.05	1.94	0.83	2.02	2.52	2.12	2.30	2.47	1.75	1.86	2.14
25	2.01	1.13	1.47	0.92	1.98	2.50	2.25	2.37	2.52	1.69	1.89	2.09
26	1.84	1.16	1.41	0.94	2.12	2.45	1.97	2.45	2.54	1.71	1.95	2.20
27	2.07	0.84	1.46	1.02	2.20	2.46	1.86	2.44	2.57	1.71	2.00	2.21
28	2.27	0.68	1.48	1.17	2.17	2.53	1.88	2.46	2.55	1.74	1.97	1.93
29	2.44	0.89	1.63	1.17	---	2.33	1.90	2.51	2.63	1.78	1.92	1.63
30	2.42	1.07	1.81	1.15	---	2.09	1.97	2.53	2.88	1.78	2.29	1.62
31	2.05	---	2.23	1.19	---	1.98	---	2.60	---	1.73	2.43	---
MAX	2.93	2.40	2.23	2.05	2.21	3.10	---	2.60	3.05	2.81	2.43	2.41
MIN	1.61	0.68	0.85	0.83	0.69	1.98	---	1.89	2.47	1.69	1.50	1.62

073816505 GULF INTRACOASTAL WATERWAY NEAR BAY WALLACE EAST OF MORGAN CITY, LA

LOCATION.--Lat 29°37'37", long 91°02'43", T. 17 S., R. 14 E., Sec. 3, Terrebonne Parish, Hydrologic Unit 08090302, on the left bank of stream, four miles east of Bayou Chene.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1998 to current year. March 1998 to March 2001 (gage-height records only) can be found in the Louisiana District, Baton Rouge Field Office.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--No estimated daily discharge. Records fair. Stage and discharge affected by wind, tide, and boat traffic. Reverse flow occurs. Satellite telemetry at site.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 16,500 ft³/s, Oct. 3, 2002; maximum gage height, 3.50 ft, June 10, 2001; minimum negative discharge, -14,300 ft³/s, Oct. 3, 2002; minimum gage height, -0.13 ft, Dec. 20, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 16,500 ft³/s, Oct. 3; maximum gage height, 3.21 ft, Oct. 4; maximum discharge, -14,300 ft³/s, Oct. 3; minimum gage height, 0.30 ft, Feb. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,190	1,670	4,000	7,810	3,530	8,720	7,490	5,460	9,810	2,390	4,000	1,850
2	2,510	2,570	4,450	8,550	3,490	8,980	7,460	4,750	9,940	3,210	4,320	1,240
3	2,130	3,850	4,030	7,030	3,980	8,700	6,950	4,640	10,200	4,980	4,620	1,310
4	4,240	3,850	4,550	7,920	3,360	8,570	7,380	4,810	9,900	5,330	4,630	1,050
5	-5,280	6,280	3,460	8,060	2,300	8,120	6,720	6,460	9,750	5,660	4,940	2,190
6	-4,840	1,250	3,570	7,840	3,940	8,630	5,680	5,660	9,700	5,480	5,160	1,790
7	-2,110	2,440	4,290	7,910	712	9,040	6,360	4,880	9,370	5,870	5,880	2,600
8	-574	4,290	4,210	7,930	3,080	9,170	7,020	3,810	8,920	5,360	3,740	2,960
9	3,770	4,670	4,170	7,850	4,320	9,240	4,890	3,800	9,120	4,790	5,170	3,640
10	1,510	5,020	4,480	8,150	2,950	9,480	5,230	4,760	9,090	5,220	4,570	2,040
11	1,430	5,360	4,560	7,760	3,250	9,300	6,220	4,990	10,600	4,850	4,770	1,220
12	1,670	2,270	3,510	7,420	3,660	9,620	6,220	1,410	10,600	4,480	4,330	3,440
13	944	1,940	6,800	7,660	3,070	9,430	6,380	3,540	9,470	5,440	3,980	4,640
14	304	5,260	2,400	7,330	3,160	9,880	6,400	5,990	8,840	5,970	3,710	2,060
15	3,410	5,900	4,220	6,900	4,450	9,920	6,030	6,370	8,600	5,540	2,610	3,420
16	1,480	2,510	4,120	7,800	4,670	9,820	7,400	5,700	8,110	3,900	4,780	4,240
17	3,920	3,930	4,310	5,880	3,080	10,000	7,280	7,520	7,660	2,820	3,930	5,090
18	2,340	4,900	3,860	6,800	4,840	9,250	5,250	6,600	8,040	2,330	2,160	4,940
19	4,510	4,870	5,110	6,220	5,970	9,700	5,600	6,400	8,180	3,280	2,770	4,690
20	2,870	5,890	2,670	6,160	5,180	9,060	5,470	6,690	8,030	3,260	2,770	3,430
21	2,750	5,660	3,440	6,210	6,130	8,750	5,480	7,480	7,680	4,210	3,060	5,760
22	1,870	5,380	4,550	5,970	9,250	8,190	5,490	7,540	7,220	5,450	3,610	4,100
23	2,910	4,590	4,180	4,440	5,810	7,940	5,280	7,990	7,080	6,070	4,060	1,920
24	2,630	5,040	8,590	4,950	7,150	7,700	6,300	8,540	7,320	4,850	3,810	4,470
25	4,000	5,310	4,720	5,380	7,260	8,120	7,230	8,820	7,730	4,720	3,000	3,730
26	2,960	4,870	5,950	5,010	8,460	8,230	5,250	9,110	7,720	5,070	2,810	3,980
27	3,940	3,320	7,380	4,450	8,430	7,860	5,240	9,270	7,440	4,920	3,620	2,900
28	4,530	3,640	7,700	4,420	8,060	7,850	5,400	9,460	6,780	5,020	2,830	578
29	3,380	5,020	7,860	4,270	---	7,070	5,690	9,620	6,630	5,190	2,070	-557
30	2,760	5,060	7,600	3,790	---	6,230	5,770	9,620	7,300	4,990	4,020	841
31	292	---	9,800	4,060	---	6,640	---	9,870	---	4,460	3,890	---
TOTAL	57,446	126,610	154,540	201,930	133,542	269,210	184,560	201,560	256,830	145,110	119,620	85,562
MEAN	1,853	4,220	4,985	6,514	4,769	8,684	6,152	6,502	8,561	4,681	3,859	2,852

073816505 GULF INTRACOASTAL WATERWAY NEAR BAY WALLACE EAST OF MORGAN CITY, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.05	1.67	0.95	1.89	0.95	1.94	1.77	1.83	2.13	2.74	1.50	2.29
2	2.10	1.52	1.06	1.88	0.98	1.96	1.73	1.79	2.18	2.67	1.46	2.21
3	2.62	1.70	1.16	1.72	1.09	2.00	1.74	1.75	2.36	2.60	1.45	2.11
4	3.09	1.82	1.31	1.65	1.05	2.12	1.83	1.78	2.39	2.54	1.45	1.97
5	2.93	2.08	1.14	1.68	0.82	2.21	1.86	2.05	2.44	2.46	1.48	1.90
6	2.65	1.89	0.85	1.64	1.04	2.28	1.93	2.23	2.58	2.37	1.50	1.79
7	2.40	1.63	0.94	1.56	0.71	2.28	2.00	2.29	2.62	2.32	1.54	1.81
8	2.23	1.67	0.92	1.49	0.53	2.31	2.18	2.26	2.57	2.27	1.39	1.87
9	2.32	1.74	0.91	1.48	0.95	2.35	2.03	2.26	2.50	2.21	1.41	1.94
10	2.50	1.87	1.03	1.54	1.05	2.35	1.81	2.28	2.45	2.14	1.44	1.92
11	2.40	2.01	1.10	1.41	0.89	2.37	1.72	2.32	2.51	2.06	1.45	1.90
12	2.31	1.77	1.15	1.38	1.02	2.40	1.67	2.07	2.57	2.00	1.53	2.08
13	2.13	1.33	1.42	1.39	0.94	2.44	1.60	1.87	2.56	2.03	1.55	2.22
14	1.85	1.46	0.96	1.42	1.07	2.46	1.54	1.90	2.53	2.13	1.51	2.08
15	1.87	1.56	0.94	1.41	1.34	2.48	1.48	1.93	2.48	2.25	1.42	1.99
16	1.67	1.21	0.99	1.48	1.43	2.54	1.63	1.95	2.43	2.17	1.59	1.94
17	1.75	0.95	1.06	1.29	1.12	2.61	1.74	2.07	2.36	2.06	1.71	1.98
18	1.70	1.12	1.31	1.22	1.13	2.65	1.67	2.05	2.30	1.97	1.59	1.99
19	1.90	1.12	1.49	1.24	1.24	2.69	1.71	1.98	2.29	1.82	1.57	2.00
20	1.83	1.18	1.34	1.28	1.23	2.70	1.77	1.96	2.31	1.66	1.57	1.91
21	1.75	1.31	1.23	1.31	1.53	2.64	1.72	1.98	2.33	1.57	1.48	2.00
22	1.69	1.27	1.34	1.29	1.91	2.53	1.67	1.94	2.31	1.59	1.48	2.08
23	1.80	1.07	1.36	0.94	1.81	2.42	1.68	1.90	2.25	1.65	1.61	1.93
24	1.79	1.19	1.76	0.67	1.82	2.32	1.87	1.91	2.23	1.61	1.69	1.96
25	1.90	1.26	1.52	0.75	1.78	2.27	2.02	1.94	2.25	1.54	1.74	1.96
26	1.90	1.32	1.32	0.76	1.84	2.22	1.85	2.00	2.27	1.53	1.81	2.04
27	1.97	1.05	1.31	0.84	1.93	2.22	1.73	2.02	2.30	1.53	1.84	2.10
28	2.09	0.81	1.31	0.99	1.91	2.27	1.72	2.01	2.31	1.56	1.84	1.92
29	2.17	0.88	1.42	1.04	---	2.15	1.73	2.04	2.37	1.58	1.81	1.59
30	2.15	1.08	1.56	1.05	---	1.93	1.79	2.06	2.63	1.60	2.05	1.55
31	1.88	---	1.90	1.08	---	1.78	---	2.10	---	1.56	2.25	---
MAX	3.09	2.08	1.90	1.89	1.93	2.70	2.18	2.32	2.63	2.74	2.25	2.29
MIN	1.67	0.81	0.85	0.67	0.53	1.78	1.48	1.75	2.13	1.53	1.39	1.55

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA

LOCATION.--Lat 29°20'21", long 91°01'07", T. 18 S., R. 14 E., Terrebonne Parish, Hydrologic Unit 08090302.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1999 to September 2001 (elevation and discharge). October 2001 to current year.

GAGE.--Water-quality multiprobe with water level. Prior to October 2001, water-stage recorder and velocity meter. Datum of gage is assumed. Prior to March 12, 2002 datum is NAVD 88.

REMARKS.--Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 10.67 ft, Oct. 3, 2002; minimum elevation, -0.43 ft, Jan. 1, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 10.67 ft, Oct. 3; minimum elevation, 3.01 ft, Jan. 23.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5.92	4.68	5.41	5.31	4.45	4.90	4.85	3.44	4.31	5.63	3.97	4.80
2	6.07	4.67	5.63	5.33	4.45	4.83	5.10	3.67	4.53	5.38	4.46	4.90
3	10.67	4.00	7.69	5.89	4.75	5.29	5.24	3.67	4.61	4.73	3.44	4.19
4	7.75	5.86	6.84	5.78	4.47	5.28	5.32	4.06	4.80	5.18	3.63	4.40
5	6.15	5.34	5.89	6.05	5.51	5.82	5.39	3.51	4.37	5.26	3.86	4.61
6	5.83	5.02	5.44	5.84	3.88	4.82	4.97	3.30	4.21	4.96	3.71	4.43
7	5.77	4.79	5.34	5.40	3.82	4.66	5.07	3.49	4.37	4.83	3.76	4.25
8	5.87	---	---	5.55	3.95	4.84	4.95	3.47	4.27	4.59	3.84	4.20
9	6.06	5.14	5.68	5.72	4.37	5.06	4.91	3.64	4.34	5.09	4.17	4.50
10	6.18	4.95	5.67	5.82	4.74	5.31	5.33	4.04	4.68	5.16	4.06	4.56
11	6.14	4.70	5.49	6.02	4.62	5.35	5.12	4.32	4.79	4.82	3.52	4.21
12	6.09	4.76	5.48	5.42	3.81	4.62	5.39	4.11	4.59	4.67	3.50	4.20
13	5.85	4.44	5.10	4.86	3.76	4.26	6.08	4.26	5.23	5.00	3.81	4.36
14	5.45	4.74	5.07	5.16	4.51	4.81	4.66	3.43	4.14	5.01	3.59	4.41
15	5.82	4.85	5.37	5.31	4.56	5.00	4.83	3.73	4.41	5.01	3.64	4.44
16	5.46	4.85	5.18	4.56	3.93	4.25	4.83	3.72	4.41	5.24	4.01	4.72
17	5.64	4.82	5.33	4.85	3.83	4.26	5.38	3.88	4.64	4.92	3.21	3.97
18	5.55	4.85	5.14	4.90	3.90	4.48	5.40	4.22	4.89	4.99	3.77	4.43
19	5.74	5.21	5.48	4.80	3.57	4.31	5.78	4.37	5.08	5.04	3.56	4.34
20	5.72	4.82	5.31	5.38	3.76	4.54	5.73	3.81	4.69	5.18	3.95	4.57
21	5.64	4.62	5.17	5.33	3.64	4.58	5.45	3.83	4.64	5.09	4.10	4.69
22	5.79	4.37	5.09	5.12	3.59	4.43	5.59	3.82	4.71	5.01	3.97	4.56
23	5.79	4.67	5.36	5.06	3.44	4.21	5.70	3.89	4.68	4.39	3.01	3.51
24	5.81	4.46	5.26	5.15	3.59	4.42	6.14	5.01	5.62	4.62	3.24	3.91
25	5.83	4.91	5.50	5.23	3.66	4.58	5.26	3.49	4.26	4.61	3.73	4.23
26	5.86	4.50	5.24	5.39	3.94	4.62	4.61	3.81	4.12	5.11	3.40	4.27
27	5.92	4.81	5.43	5.08	3.45	4.14	4.62	4.06	4.27	5.15	3.52	4.37
28	6.18	4.83	5.54	4.57	3.75	4.11	4.89	3.76	4.37	5.22	3.87	4.65
29	6.00	5.11	5.60	4.86	4.10	4.43	5.06	3.99	4.63	5.23	3.88	4.64
30	6.09	4.61	5.31	5.08	4.30	4.65	5.55	4.04	4.77	5.29	3.73	4.59
31	5.47	4.48	4.90	---	---	---	5.82	4.95	5.46	5.31	3.91	4.68
MONTH	10.67	---	---	6.05	3.44	4.70	6.14	3.30	4.61	5.63	3.01	4.41

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA—Continued

ELEVATION ABOVE NGVD 1929, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.14	3.63	4.44	5.28	4.19	4.86	4.86	4.34	4.61	5.76	4.66	5.31
2	5.14	3.92	4.59	5.38	4.15	4.84	4.80	4.33	4.59	5.65	4.46	5.15
3	5.26	4.27	4.85	5.05	4.05	4.65	5.13	4.36	4.87	5.67	4.46	5.07
4	5.32	3.85	4.61	5.50	4.45	5.11	5.50	4.58	5.12	5.73	4.13	5.10
5	4.86	3.74	4.31	5.68	5.00	5.31	5.47	4.56	5.11	6.35	5.05	5.77
6	5.12	4.62	4.88	5.53	4.67	5.16	5.72	4.55	5.25	6.12	5.06	5.70
7	4.81	3.84	4.16	5.29	4.52	4.96	5.84	4.73	5.36	6.17	5.14	5.65
8	4.95	3.66	4.32	5.54	4.44	5.12	5.70	4.54	5.17	5.88	4.88	5.45
9	5.60	4.28	4.93	5.29	4.69	5.02	4.87	4.00	4.49	5.96	5.00	5.47
10	5.60	4.20	4.79	5.56	4.29	4.92	5.09	3.57	4.33	6.09	5.12	5.56
11	5.36	3.62	4.50	5.48	4.28	4.96	5.16	3.63	4.44	---	---	---
12	5.25	4.07	4.65	5.55	4.41	5.07	4.96	3.81	4.50	---	---	---
13	5.21	3.66	4.46	5.42	4.29	4.91	5.20	4.02	4.62	---	---	---
14	5.52	3.90	4.73	5.40	4.41	5.04	4.99	4.14	4.61	---	---	---
15	5.58	4.21	5.07	5.54	4.37	5.07	4.83	4.14	4.52	---	---	---
16	5.72	4.43	5.02	5.92	4.75	5.38	5.44	4.37	5.12	---	---	---
17	4.87	3.49	4.42	5.90	4.93	5.51	5.56	4.63	5.20	---	---	---
18	5.04	3.81	4.57	6.02	5.19	5.67	5.24	4.26	4.88	---	---	---
19	5.28	4.16	4.73	6.07	5.38	5.77	5.62	4.16	5.00	---	---	---
20	4.88	4.30	4.57	5.89	5.28	5.67	5.81	4.31	5.10	---	---	---
21	5.98	4.31	5.17	5.42	4.75	5.18	5.53	4.33	4.92	---	---	---
22	6.35	4.81	5.90	5.64	4.33	5.05	5.70	4.02	4.91	---	---	---
23	5.55	3.94	4.82	5.27	4.41	4.85	5.44	4.20	4.88	---	---	---
24	5.33	4.10	4.82	5.31	4.01	4.75	5.95	4.66	5.34	---	---	---
25	5.20	3.74	4.54	5.48	4.23	4.92	6.09	5.07	5.46	---	---	---
26	5.85	4.01	4.85	5.19	4.28	4.81	5.34	4.20	4.85	---	---	---
27	5.86	4.31	5.07	5.75	4.11	5.03	5.50	4.39	4.85	5.00	4.02	4.69
28	5.24	3.93	4.69	5.73	4.85	5.40	5.36	4.65	5.03	5.22	4.00	4.75
29	---	---	---	5.55	3.86	4.60	5.43	4.68	5.10	5.20	4.24	4.86
30	---	---	---	4.46	3.85	4.21	5.73	4.75	5.30	5.29	4.19	4.83
31	---	---	---	4.83	3.84	4.36	---	---	---	5.45	4.14	4.95
MONTH	6.35	3.49	4.73	6.07	3.84	5.04	6.09	3.57	4.92	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5.29	4.04	4.68	6.16	5.39	5.90	5.49	4.58	5.05	6.29	5.50	5.97
2	5.56	3.90	4.94	6.00	5.00	5.65	5.34	4.64	5.04	6.31	5.19	5.84
3	5.77	4.35	5.15	6.03	5.05	5.67	5.32	4.66	5.03	6.21	4.93	5.67
4	5.54	4.41	5.05	5.80	5.03	5.45	5.39	4.57	5.05	6.17	4.97	5.62
5	5.57	4.41	5.14	5.69	5.06	5.44	5.47	4.51	5.13	6.12	4.83	5.58
6	6.13	4.98	5.52	5.77	4.89	5.32	5.53	4.40	5.14	6.08	4.90	5.57
7	5.57	4.66	5.16	5.71	5.24	5.45	5.78	4.24	5.20	6.04	4.94	5.60
8	5.30	4.45	4.86	5.78	4.84	5.42	5.25	4.07	4.72	5.97	5.01	5.67
9	5.40	4.56	4.92	5.90	4.84	5.42	5.59	4.07	5.01	6.18	5.12	5.80
10	5.63	4.55	5.19	6.03	4.63	5.47	5.55	4.23	4.98	5.87	5.21	5.59
11	5.80	4.55	5.26	5.93	4.63	5.41	5.52	4.19	5.05	5.86	5.07	5.51
12	6.03	4.53	5.40	5.87	4.60	5.35	---	---	---	6.08	5.31	5.81
13	5.99	4.43	5.31	6.06	4.77	5.62	---	---	---	6.29	5.54	5.86
14	5.89	4.54	5.30	6.48	4.82	5.80	5.38	4.48	4.98	6.00	4.75	5.44
15	5.96	4.40	5.31	6.37	5.32	5.95	5.68	4.46	4.87	5.82	4.87	5.41
16	5.75	4.54	5.20	6.05	5.08	5.63	5.74	4.97	5.27	5.91	4.80	5.47
17	5.66	4.34	5.13	6.01	4.80	5.48	5.69	4.99	5.37	6.01	5.02	5.63
18	5.68	4.47	5.21	5.58	4.92	5.28	5.48	4.51	5.04	6.09	4.95	5.57
19	5.74	4.72	5.25	5.47	4.94	5.20	5.62	4.63	5.21	6.28	4.99	5.64
20	5.60	4.82	5.18	5.29	4.76	5.02	5.65	4.53	5.13	5.99	4.78	5.40
21	5.65	4.97	5.28	5.28	4.71	5.05	5.63	4.37	4.96	6.11	4.98	5.73
22	5.38	4.90	5.17	5.51	4.48	5.13	5.63	4.61	5.20	6.43	4.90	5.72
23	5.32	4.73	5.14	5.74	4.50	5.23	5.80	4.80	5.42	5.82	4.90	5.46
24	5.66	4.78	5.32	5.47	4.18	5.04	5.84	4.81	5.47	6.05	5.06	5.74
25	6.05	4.86	5.51	5.34	4.18	4.86	5.87	4.81	5.52	6.12	5.32	5.69
26	6.01	4.86	5.52	5.60	4.18	4.94	5.85	4.93	5.50	6.36	5.56	5.93
27	6.06	4.94	5.63	5.51	4.18	4.91	5.94	4.89	5.60	6.25	5.38	5.91
28	6.00	4.86	5.56	5.61	4.23	5.06	5.78	4.98	5.50	5.93	4.72	5.47
29	6.11	4.91	5.74	5.67	4.37	5.19	5.78	5.04	5.48	5.75	4.34	5.10
30	7.02	5.43	6.23	5.59	4.52	5.17	6.42	5.46	6.01	5.75	4.40	5.16
31	---	---	---	5.59	4.42	5.16	6.34	5.88	6.05	---	---	---
MONTH	7.02	3.90	5.28	6.48	4.18	5.34	---	---	---	6.43	4.34	5.62

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: October 2000 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: October 2000 to current year.

INSTRUMENTATION.--Water-quality monitor collecting temperature and specific conductance.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Nov. 2-Dec. 8, Mar. 29-Apr. 30, May 2-4, 8-29, 31, June 1-July 30, Aug. 31, and Sept. 1-4 when records good; Dec. 9-Jan. 4 when records fair; and Jan. 5-Feb. 18 when records poor.

SALINITY: Records excellent except for Nov. 2-Dec. 8, Mar. 29-Apr. 30, May 2-4, 8-29, 31, June 1-July 30, Aug. 31, and Sept. 1-4 when records good; Dec. 9-Jan. 4 when records fair; and Jan. 5-Feb. 18 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 36,000 microseimens, Nov. 8, 2000; minimum, 263 microseimens, June 29, 2001.

SALINITY: Maximum, 16.5 ppt, Oct. 3, 2002; minimum, 0.2 ppt, many times.

WATER TEMPERATURE: Maximum recorded, 35.0°C, July 20, 21, 2001; minimum recorded, 2.2°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 27,000 microsiemens/cm, Oct. 3; minimum, 356 microsiemens/cm, Mar. 26.

SALINITY: Maximum, 16.5 ppt, Oct. 3; minimum, 0.2 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.9°C, Aug. 5; minimum, 5.2°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7,940	2,140	5,830	4,640	1,930	3,050	2,270	790	1,380	7,170	3,050	4,890
2	8,400	2,020	5,170	3,640	1,650	2,510	2,670	879	1,490	5,940	3,920	4,590
3	27,000	3,530	15,800	5,180	2,780	3,990	1,990	1,120	1,510	6,530	1,450	3,690
4	19,600	15,300	16,900	4,870	2,660	3,920	2,670	1,600	1,930	5,880	1,130	3,190
5	18,200	14,300	16,100	5,170	4,120	4,690	2,380	1,040	1,700	4,780	1,570	3,110
6	20,700	11,500	15,100	4,950	2,730	3,730	2,410	854	1,570	4,140	1,080	2,200
7	16,800	10,000	13,400	3,570	1,960	2,650	2,260	1,080	1,760	2,000	845	1,220
8	16,700	6,580	10,300	3,880	1,860	2,930	2,120	949	1,570	2,750	1,200	1,690
9	15,600	8,830	12,200	3,980	1,980	2,900	2,870	906	1,720	3,440	2,050	2,690
10	13,100	7,910	10,800	3,620	2,400	3,250	2,410	1,350	1,850	2,780	1,740	2,190
11	12,700	6,430	9,630	4,380	3,020	3,770	2,320	1,480	1,990	2,410	740	1,580
12	12,800	5,550	9,880	3,390	1,790	2,470	2,240	1,150	1,890	2,340	625	1,310
13	11,000	4,330	7,500	3,250	1,430	2,010	4,100	1,340	2,650	2,190	648	1,010
14	6,470	4,170	4,990	3,850	1,900	2,660	3,020	1,180	1,860	2,040	791	1,230
15	9,600	4,620	7,910	2,960	1,940	2,570	2,990	1,140	2,110	2,130	703	1,160
16	7,300	4,580	6,110	3,640	1,490	2,180	3,270	1,210	1,950	2,170	800	1,310
17	8,880	4,620	6,920	3,160	1,960	2,670	3,390	1,280	2,020	2,200	837	1,410
18	7,600	3,300	4,820	3,220	1,730	2,430	5,020	3,160	3,610	1,940	1,100	1,640
19	8,020	4,520	6,580	2,560	1,550	2,000	6,120	3,920	4,610	1,680	1,040	1,350
20	7,940	4,880	6,460	2,610	1,450	2,080	6,940	3,040	4,270	1,660	1,110	1,410
21	9,720	3,920	6,630	3,290	1,710	2,590	5,330	1,690	3,260	1,660	1,270	1,500
22	8,130	2,900	5,670	3,560	1,470	2,550	5,470	2,410	3,680	1,910	1,280	1,630
23	8,180	3,350	5,690	2,350	964	1,320	5,450	1,690	3,100	1,690	681	1,050
24	6,770	3,990	5,720	2,430	1,020	1,750	9,130	1,730	6,550	1,500	654	992
25	8,850	5,180	6,370	2,140	1,070	1,620	9,410	2,120	5,670	1,690	1,110	1,400
26	7,440	3,940	6,250	2,670	1,040	1,860	8,170	1,100	3,280	1,710	736	1,120
27	6,710	4,990	5,830	2,390	799	1,340	6,180	1,860	3,470	1,240	808	1,030
28	6,760	5,200	6,160	2,310	775	1,200	5,220	1,670	3,720	1,300	1,060	1,160
29	7,620	5,540	6,510	2,230	819	1,570	5,720	2,240	4,070	1,400	1,180	1,280
30	6,980	3,180	5,580	3,030	1,530	2,080	5,560	2,040	3,760	1,570	1,220	1,400
31	5,220	2,150	3,220	---	---	---	5,970	3,480	5,010	2,220	1,380	1,740
MONTH	27,000	2,020	8,260	5,180	775	2,540	9,410	790	2,870	7,170	625	1,840

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1,880	1,070	1,460	6,510	2,180	4,510	720	447	581	3,130	1,640	2,570
2	2,160	1,390	1,640	6,250	1,430	4,040	621	380	461	3,080	1,450	2,340
3	3,120	1,550	2,300	2,630	538	1,100	698	366	494	2,720	1,260	2,290
4	2,480	1,840	2,240	1,840	538	964	806	430	568	5,340	616	1,670
5	2,940	1,070	1,690	3,870	635	1,160	794	466	574	7,620	2,920	4,000
6	6,350	1,110	5,260	3,570	548	1,470	1,120	381	603	16,000	4,870	7,760
7	5,850	1,050	2,660	2,450	607	1,230	1,930	631	881	15,800	7,580	9,390
8	3,080	751	1,760	1,200	468	652	1,030	598	718	19,800	8,800	11,600
9	3,690	2,140	2,810	1,720	692	1,280	726	466	576	19,500	11,200	14,100
10	3,760	3,060	3,480	1,150	508	784	865	414	562	24,300	13,300	16,400
11	3,540	2,050	2,930	909	475	629	1,060	467	714	---	---	---
12	4,090	3,230	3,740	2,410	520	1,030	967	494	727	---	---	---
13	4,420	1,840	2,760	1,200	487	703	926	529	743	---	---	---
14	4,930	2,590	4,030	1,100	529	765	829	463	632	---	---	---
15	7,510	4,700	6,300	1,300	495	699	685	375	500	---	---	---
16	7,120	5,760	6,530	2,070	381	882	1,120	376	589	---	---	---
17	7,960	3,220	5,640	1,230	617	979	1,950	715	1,240	---	---	---
18	6,310	2,500	4,260	1,490	727	1,020	1,900	822	1,210	---	---	---
19	6,910	3,930	5,040	1,340	939	1,110	2,220	524	1,090	---	---	---
20	5,850	2,220	3,970	1,430	867	1,140	1,670	719	942	---	---	---
21	8,810	3,980	5,710	1,430	722	1,100	1,230	797	1,050	---	---	---
22	11,800	5,970	8,770	1,340	616	999	1,140	496	943	---	---	---
23	8,510	4,440	5,180	1,230	589	864	2,660	381	758	---	---	---
24	9,250	4,160	6,560	1,170	503	728	3,310	1,040	2,090	---	---	---
25	8,970	1,770	5,050	774	438	517	3,210	1,570	2,240	---	---	---
26	6,760	1,490	4,100	795	356	505	1,990	1,460	1,790	---	---	---
27	8,820	3,630	6,510	751	377	509	1,910	787	1,290	7,370	1,010	3,400
28	7,180	1,560	4,220	754	539	585	2,160	898	1,470	6,680	1,160	3,560
29	---	---	---	---	---	---	3,820	757	1,960	5,880	1,890	4,560
30	---	---	---	---	---	---	4,370	1,100	2,560	7,250	1,710	5,660
31	---	---	---	746	418	574	---	---	---	5,760	2,080	4,180
MONTH	11,800	751	4,160	---	---	---	4,370	366	1,020	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
1	4,850	1,980	3,780	2,680	779	1,440	1,340	529	1,050	17,600	9,760	14,200
2	4,300	1,100	2,570	795	603	693	1,380	567	1,090	14,000	8,000	11,900
3	3,860	1,520	2,890	661	536	606	1,400	770	1,150	13,300	5,670	10,700
4	3,240	1,460	2,640	576	492	545	1,470	730	1,280	12,400	4,410	10,000
5	3,830	887	1,820	540	467	497	1,420	922	1,240	10,000	4,410	8,320
6	3,510	701	1,760	597	413	479	1,340	1,020	1,140	9,040	4,040	7,730
7	2,220	879	1,430	558	411	485	1,400	507	1,020	8,750	5,040	7,500
8	1,350	895	1,030	622	400	511	1,100	584	905	8,930	6,220	7,840
9	1,520	648	903	475	412	447	1,060	544	848	9,830	6,910	8,470
10	2,000	738	1,300	561	414	468	1,240	604	858	10,100	7,930	8,970
11	1,560	732	1,000	502	410	449	1,190	591	924	9,300	4,910	7,010
12	1,940	686	1,080	594	402	486	---	---	---	14,100	5,470	9,580
13	1,540	777	1,110	968	397	580	---	---	---	14,000	10,800	11,500
14	1,190	738	975	1,480	417	689	1,380	495	911	11,100	3,560	7,670
15	1,250	658	853	1,460	693	850	1,540	392	761	9,340	3,310	6,580
16	1,040	633	878	1,500	838	993	1,650	642	1,070	9,800	2,710	7,000
17	973	545	711	1,120	606	913	1,460	843	967	8,710	4,800	7,300
18	1,060	518	744	1,030	509	712	1,240	694	1,020	8,550	4,540	7,240
19	830	537	706	955	489	770	1,170	882	1,040	8,480	3,890	7,070
20	576	419	500	1,360	849	1,040	1,270	588	1,030	8,070	2,120	5,730
21	434	371	399	1,640	846	1,250	1,150	538	914	7,390	2,120	6,110
22	647	373	432	3,510	828	1,780	1,550	538	1,020	7,130	3,810	5,950
23	588	452	524	3,020	749	2,040	1,880	821	1,260	6,500	2,710	4,950
24	640	447	517	2,260	852	1,790	2,590	1,180	1,580	6,530	2,360	5,380
25	858	516	586	1,580	565	1,080	5,260	1,380	2,470	7,690	5,940	6,900
26	816	502	613	1,510	519	929	4,950	2,020	2,890	7,100	5,690	6,370
27	782	522	660	1,120	489	755	3,570	2,380	3,130	7,070	6,370	6,700
28	741	517	609	941	458	709	7,610	2,920	4,550	7,750	2,830	5,480
29	928	428	622	1,440	526	1,080	8,370	2,740	4,230	7,060	1,380	2,910
30	2,970	534	1,250	1,370	665	1,090	13,000	4,460	8,970	6,570	1,560	4,150
31	---	---	---	1,340	521	964	14,100	8,330	12,700	---	---	---
MONTH	4,850	371	1,160	3,510	397	875	---	---	---	17,600	1,380	7,570

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	4.4	1.1	3.2	2.5	1.0	1.6	1.2	0.4	0.7	3.9	1.6	2.6
2	4.7	1.0	2.8	1.9	0.8	1.3	1.4	0.4	0.7	3.2	2.1	2.5
3	16.5	1.8	9.3	2.8	1.4	2.1	1.0	0.6	0.8	3.6	0.7	2.0
4	11.7	8.9	9.9	2.6	1.4	2.1	1.4	0.8	1.0	3.2	0.6	1.7
5	10.7	8.3	9.4	2.8	2.2	2.5	1.2	0.5	0.9	2.6	0.8	1.6
6	12.4	6.5	8.8	2.6	1.4	2.0	1.2	0.4	0.8	2.2	0.5	1.1
7	9.9	5.6	7.7	1.9	1.0	1.4	1.2	0.5	0.9	1.0	0.4	0.6
8	9.8	3.6	5.8	2.0	0.9	1.5	1.1	0.5	0.8	1.4	0.6	0.9
9	9.1	4.9	6.9	2.1	1.0	1.5	1.5	0.4	0.9	1.8	1.0	1.4
10	7.5	4.4	6.1	1.9	1.2	1.7	1.2	0.7	0.9	1.4	0.9	1.1
11	7.3	3.5	5.4	2.3	1.6	2.0	1.2	0.7	1.0	1.2	0.4	0.8
12	7.4	3.0	5.6	1.8	0.9	1.3	1.1	0.6	1.0	1.2	0.3	0.7
13	6.2	2.3	4.2	1.7	0.7	1.0	2.2	0.7	1.4	1.1	0.3	0.5
14	3.5	2.2	2.7	2.0	1.0	1.4	1.6	0.6	0.9	1.0	0.4	0.6
15	5.4	2.5	4.4	1.5	1.0	1.3	1.6	0.6	1.1	1.1	0.3	0.6
16	4.0	2.4	3.3	1.9	0.7	1.1	1.7	0.6	1.0	1.1	0.4	0.7
17	4.9	2.5	3.8	1.6	1.0	1.4	1.8	0.6	1.0	1.1	0.4	0.7
18	4.2	1.7	2.6	1.7	0.9	1.2	2.7	1.6	1.9	1.0	0.5	0.8
19	4.4	2.4	3.6	1.3	0.8	1.0	3.3	2.1	2.5	0.8	0.5	0.7
20	4.4	2.6	3.5	1.3	0.7	1.1	3.8	1.6	2.3	0.8	0.5	0.7
21	5.5	2.1	3.6	1.7	0.9	1.3	2.9	0.9	1.7	0.8	0.6	0.8
22	4.5	1.5	3.1	1.9	0.7	1.3	2.9	1.2	1.9	1.0	0.6	0.8
23	4.5	1.7	3.1	1.2	0.5	0.7	2.9	0.9	1.6	0.9	0.3	0.5
24	3.7	2.1	3.1	1.2	0.5	0.9	5.1	0.9	3.6	0.8	0.3	0.5
25	4.9	2.8	3.5	1.1	0.5	0.8	5.3	1.1	3.1	0.9	0.5	0.7
26	4.1	2.1	3.4	1.4	0.5	0.9	4.5	0.5	1.7	0.9	0.4	0.6
27	3.7	2.7	3.2	1.2	0.4	0.7	3.4	0.9	1.8	0.6	0.4	0.5
28	3.7	2.8	3.3	1.2	0.4	0.6	2.8	0.8	2.0	0.6	0.5	0.6
29	4.2	3.0	3.6	1.1	0.4	0.8	3.1	1.1	2.2	0.7	0.6	0.6
30	3.8	1.7	3.0	1.6	0.8	1.1	3.0	1.0	2.0	0.8	0.6	0.7
31	2.8	1.1	1.7	---	---	---	3.2	1.8	2.7	1.1	0.7	0.9
MONTH	16.5	1.0	4.6	2.8	0.4	1.3	5.3	0.4	1.5	3.9	0.3	1.0
FEBRUARY			MARCH			APRIL			MAY			
1	1.0	0.5	0.7	3.5	1.1	2.4	0.4	0.2	0.3	1.6	0.8	1.3
2	1.1	0.7	0.8	3.4	0.7	2.1	0.3	0.2	0.2	1.6	0.7	1.2
3	1.6	0.8	1.2	1.4	0.3	0.6	0.3	0.2	0.2	1.4	0.6	1.2
4	1.3	0.9	1.1	0.9	0.3	0.5	0.4	0.2	0.3	2.9	0.3	0.9
5	1.5	0.5	0.9	2.0	0.3	0.6	0.4	0.2	0.3	4.2	1.5	2.1
6	3.5	0.5	2.8	1.9	0.3	0.7	0.6	0.2	0.3	9.3	2.6	4.3
7	3.2	0.5	1.4	1.3	0.3	0.6	1.0	0.3	0.4	9.2	4.2	5.3
8	1.6	0.4	0.9	0.6	0.2	0.3	0.5	0.3	0.4	11.8	4.9	6.6
9	1.9	1.1	1.5	0.9	0.3	0.6	0.4	0.2	0.3	11.6	6.3	8.2
10	2.0	1.6	1.8	0.6	0.3	0.4	0.4	0.2	0.3	14.7	7.6	9.6
11	1.9	1.0	1.5	0.4	0.2	0.3	0.5	0.2	0.4	---	---	---
12	2.2	1.7	2.0	1.2	0.3	0.5	0.5	0.2	0.4	---	---	---
13	2.4	0.9	1.4	0.6	0.2	0.3	0.5	0.3	0.4	---	---	---
14	2.6	1.3	2.1	0.5	0.3	0.4	0.4	0.2	0.3	---	---	---
15	4.1	2.5	3.4	0.6	0.2	0.3	0.3	0.2	0.2	---	---	---
16	3.9	3.1	3.6	1.1	0.2	0.4	0.6	0.2	0.3	---	---	---
17	4.4	1.7	3.1	0.6	0.3	0.5	1.0	0.4	0.6	---	---	---
18	3.4	1.3	2.3	0.7	0.4	0.5	1.0	0.4	0.6	---	---	---
19	3.8	2.1	2.7	0.7	0.5	0.5	1.1	0.3	0.5	---	---	---
20	3.2	1.1	2.1	0.7	0.4	0.6	0.8	0.4	0.5	---	---	---
21	4.9	2.1	3.1	0.7	0.4	0.5	0.6	0.4	0.5	---	---	---
22	6.7	3.2	4.9	0.7	0.3	0.5	0.6	0.2	0.5	---	---	---
23	4.7	2.4	2.8	0.6	0.3	0.4	1.4	0.2	0.4	---	---	---
24	5.2	2.2	3.6	0.6	0.2	0.4	1.7	0.5	1.1	---	---	---
25	5.0	0.9	2.7	0.4	0.2	0.3	1.7	0.8	1.1	---	---	---
26	3.7	0.7	2.2	0.4	0.2	0.2	1.0	0.7	0.9	---	---	---
27	4.9	1.9	3.6	0.4	0.2	0.3	1.0	0.4	0.6	4.1	0.5	1.8
28	3.9	0.8	2.3	0.4	0.3	0.3	1.1	0.4	0.7	3.6	0.6	1.9
29	---	---	---	---	---	---	2.0	0.4	1.0	3.2	1.0	2.4
30	---	---	---	---	---	---	2.3	0.5	1.3	4.0	0.9	3.1
31	---	---	---	0.4	0.2	0.3	---	---	---	3.1	1.1	2.2
MONTH	6.7	0.4	2.2	---	---	---	2.3	0.2	0.5	---	---	---

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	2.6	1.0	2.0	1.4	0.4	0.7	0.7	0.3	0.5	10.4	5.5	8.2
2	2.3	0.5	1.3	0.4	0.3	0.3	0.7	0.3	0.5	8.1	4.4	6.8
3	2.0	0.8	1.5	0.3	0.3	0.3	0.7	0.4	0.6	7.6	3.1	6.1
4	1.7	0.7	1.4	0.3	0.2	0.3	0.7	0.4	0.6	7.1	2.3	5.7
5	2.0	0.4	0.9	0.3	0.2	0.2	0.7	0.5	0.6	5.6	2.3	4.6
6	1.8	0.3	0.9	0.3	0.2	0.2	0.7	0.5	0.6	5.0	2.1	4.3
7	1.1	0.4	0.7	0.3	0.2	0.2	0.7	0.2	0.5	4.9	2.7	4.1
8	0.7	0.4	0.5	0.3	0.2	0.3	0.5	0.3	0.4	5.0	3.4	4.3
9	0.8	0.3	0.4	0.2	0.2	0.2	0.5	0.3	0.4	5.5	3.8	4.7
10	1.0	0.4	0.6	0.3	0.2	0.2	0.6	0.3	0.4	5.7	4.4	5.0
11	0.8	0.4	0.5	0.2	0.2	0.2	0.6	0.3	0.5	5.2	2.6	3.8
12	1.0	0.3	0.5	0.3	0.2	0.2	---	---	---	8.1	2.9	5.4
13	0.8	0.4	0.5	0.5	0.2	0.3	---	---	---	8.1	6.1	6.5
14	0.6	0.4	0.5	0.7	0.2	0.3	0.7	0.2	0.4	6.3	1.9	4.2
15	0.6	0.3	0.4	0.7	0.3	0.4	0.8	0.2	0.4	5.2	1.7	3.6
16	0.5	0.3	0.4	0.8	0.4	0.5	0.8	0.3	0.5	5.5	1.4	3.9
17	0.5	0.3	0.3	0.6	0.3	0.4	0.7	0.4	0.5	4.8	2.6	4.0
18	0.5	0.3	0.4	0.5	0.3	0.3	0.6	0.3	0.5	4.8	2.4	4.0
19	0.4	0.3	0.3	0.5	0.2	0.4	0.6	0.4	0.5	4.7	2.1	3.9
20	0.3	0.2	0.2	0.7	0.4	0.5	0.6	0.3	0.5	4.5	1.1	3.1
21	0.2	0.2	0.2	0.8	0.4	0.6	0.6	0.3	0.4	4.1	1.1	3.3
22	0.3	0.2	0.2	1.8	0.4	0.9	0.8	0.3	0.5	3.9	2.0	3.2
23	0.3	0.2	0.3	1.6	0.4	1.0	1.0	0.4	0.6	3.5	1.4	2.7
24	0.3	0.2	0.3	1.2	0.4	0.9	1.3	0.6	0.8	3.6	1.2	2.9
25	0.4	0.3	0.3	0.8	0.3	0.5	2.8	0.7	1.3	4.2	3.2	3.8
26	0.4	0.2	0.3	0.8	0.3	0.5	2.6	1.0	1.5	3.9	3.1	3.5
27	0.4	0.3	0.3	0.6	0.2	0.4	1.9	1.2	1.6	3.9	3.5	3.7
28	0.4	0.3	0.3	0.5	0.2	0.3	4.2	1.5	2.4	4.3	1.5	3.0
29	0.5	0.2	0.3	0.7	0.3	0.5	4.6	1.4	2.3	3.9	0.7	1.5
30	1.5	0.3	0.6	0.7	0.3	0.5	7.5	2.4	5.0	3.6	0.8	2.2
31	---	---	---	0.7	0.3	0.5	8.1	4.6	7.2	---	---	---
MONTH	2.6	0.2	0.6	1.8	0.2	0.4	---	---	---	10.4	0.7	4.2

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.6	27.4	28.4	21.4	19.8	20.6	14.2	12.4	13.2	14.8	12.1	13.8
2	28.6	27.0	28.1	19.8	17.8	18.5	14.2	11.8	13.1	14.5	12.2	13.5
3	27.0	25.5	25.9	19.2	17.3	18.2	16.4	14.1	15.3	12.2	9.3	11.2
4	28.6	25.4	26.8	20.7	19.1	19.9	19.1	15.9	17.5	12.3	9.7	11.2
5	28.7	27.4	27.9	21.2	20.4	20.9	18.5	11.1	14.4	14.7	11.0	12.7
6	28.9	27.0	27.9	20.4	17.4	18.8	11.5	9.4	10.6	15.2	12.8	14.1
7	29.9	28.3	28.8	19.1	16.8	18.0	11.8	9.4	10.6	13.9	11.8	12.6
8	29.0	27.3	28.2	20.3	17.3	18.8	11.9	9.9	10.8	12.8	11.0	11.8
9	28.5	26.9	27.6	21.7	18.7	20.2	12.6	10.4	11.4	14.8	11.6	13.2
10	27.2	26.0	26.5	24.4	21.0	22.7	12.1	11.4	11.8	16.2	14.1	15.2
11	28.0	25.7	26.7	24.2	22.9	23.4	12.7	10.6	11.6	14.3	11.2	12.2
12	27.1	26.0	26.6	22.9	18.4	21.1	12.2	11.3	11.6	11.2	8.6	9.5
13	26.9	24.7	26.0	18.4	16.2	17.4	13.1	11.6	12.3	9.9	7.6	8.7
14	24.7	22.4	23.1	18.0	15.6	16.8	12.8	10.8	11.7	10.4	7.6	9.1
15	23.1	21.8	22.4	19.2	17.4	18.2	13.5	10.6	12.2	10.8	8.3	9.7
16	22.2	20.3	21.3	18.8	13.8	16.3	14.3	11.9	13.2	12.2	10.1	10.9
17	22.7	20.2	21.5	15.2	12.5	14.0	16.1	13.7	14.8	10.5	6.1	8.2
18	23.0	20.9	21.8	15.5	13.2	14.4	18.6	15.8	17.2	9.2	6.2	7.4
19	24.2	21.9	23.0	17.4	15.2	16.4	19.9	17.6	18.7	10.7	7.1	8.8
20	24.8	23.3	24.1	17.7	17.0	17.3	18.3	14.8	16.4	13.9	9.2	11.3
21	25.8	23.6	24.3	18.4	16.1	17.3	15.9	14.0	15.2	16.3	12.5	14.3
22	25.2	23.7	24.3	17.4	15.5	16.5	19.2	15.5	17.2	16.5	13.8	15.4
23	25.2	23.8	24.4	15.5	14.5	15.0	18.6	18.0	18.3	13.8	7.2	10.3
24	26.1	23.8	24.7	17.1	14.2	15.7	18.7	15.2	17.7	8.2	5.6	6.9
25	25.0	24.2	24.5	19.4	15.8	17.5	15.2	9.3	12.5	7.8	5.2	6.3
26	24.5	24.0	24.3	20.0	17.3	18.6	12.5	9.8	10.9	8.2	6.9	7.5
27	25.7	23.7	24.7	18.7	13.5	15.9	11.9	9.6	10.6	10.5	7.6	8.8
28	27.1	25.0	26.0	13.5	12.4	13.1	13.8	10.1	11.7	11.6	9.0	10.3
29	26.5	24.0	25.3	14.4	11.5	13.1	14.2	11.5	12.9	15.0	11.5	13.3
30	25.6	23.8	24.5	14.9	13.7	14.2	15.4	13.6	14.5	15.8	14.2	14.9
31	23.9	21.4	22.5	---	---	---	16.2	14.8	15.6	15.4	14.0	14.6
MONTH	29.9	20.2	25.2	24.4	11.5	17.6	19.9	9.3	13.7	16.5	5.2	11.2
FEBRUARY			MARCH			APRIL			MAY			
1	15.7	12.5	14.2	15.8	14.4	15.0	18.9	15.1	17.1	28.6	25.7	27.1
2	16.9	13.2	15.0	16.8	14.7	15.6	19.8	17.2	18.6	29.6	26.8	28.1
3	17.9	15.4	16.6	15.6	12.6	14.0	21.8	19.2	20.5	30.2	27.5	28.9
4	17.5	14.8	16.4	14.8	12.2	13.6	23.1	20.8	22.1	29.3	27.5	28.4
5	15.8	12.7	13.8	17.5	14.6	15.9	25.0	22.6	23.9	28.2	26.4	27.4
6	14.5	12.5	13.3	19.3	17.2	18.2	25.9	24.2	25.0	28.2	26.3	27.3
7	13.8	9.7	11.7	19.7	17.1	18.4	25.8	24.2	25.0	28.2	26.4	27.4
8	10.2	9.1	9.6	19.2	18.4	18.8	24.2	20.0	22.7	28.9	26.6	27.7
9	11.0	9.1	9.9	21.5	19.1	20.2	20.0	13.6	16.2	29.0	26.8	28.0
10	13.5	11.0	12.2	22.7	19.6	21.2	15.8	11.9	13.9	29.0	27.2	28.1
11	14.4	11.5	13.0	21.4	20.4	20.7	18.5	14.4	16.3	---	---	---
12	17.2	12.9	14.5	21.9	19.8	20.9	23.0	16.5	18.8	---	---	---
13	16.9	14.6	15.8	23.2	21.6	22.1	25.0	18.8	21.2	---	---	---
14	18.8	16.0	17.4	23.5	20.5	22.1	24.8	21.8	23.2	---	---	---
15	20.1	18.2	19.0	24.2	20.6	22.5	25.5	22.5	23.9	---	---	---
16	19.2	15.3	17.6	22.8	21.4	22.0	25.3	22.9	24.1	---	---	---
17	15.3	10.2	13.1	23.6	21.0	22.0	25.7	23.1	24.3	---	---	---
18	14.8	11.4	13.5	22.9	21.6	22.3	27.0	23.9	25.4	---	---	---
19	17.0	13.4	15.1	22.8	21.1	22.0	26.8	24.8	25.8	---	---	---
20	18.1	16.1	17.1	22.1	20.5	21.5	26.1	24.3	25.3	---	---	---
21	20.4	18.1	19.3	21.0	18.3	19.8	26.6	24.7	25.6	---	---	---
22	19.8	14.4	17.6	23.2	18.1	20.0	26.2	24.5	25.3	---	---	---
23	16.6	13.7	15.2	21.6	19.5	20.4	24.8	22.9	23.7	---	---	---
24	18.8	15.4	17.1	22.7	20.0	21.2	24.4	22.7	23.5	---	---	---
25	18.3	16.4	17.0	22.0	20.6	21.3	25.5	23.4	24.4	---	---	---
26	16.8	15.6	16.2	21.4	20.0	20.7	25.6	23.0	24.5	---	---	---
27	16.6	15.0	15.9	23.1	18.5	20.4	27.8	22.9	24.5	29.6	27.8	28.6
28	15.6	14.4	14.8	23.4	20.3	21.9	26.9	24.2	25.6	28.8	25.8	27.3
29	---	---	---	---	---	---	26.4	24.9	25.6	28.7	25.9	27.2
30	---	---	---	16.2	13.0	13.9	27.2	24.6	25.8	29.5	25.7	27.6
31	---	---	---	19.0	13.3	15.6	---	---	---	29.0	26.4	27.9
MONTH	20.4	9.1	15.1	---	---	---	27.8	11.9	22.7	---	---	---

0738165057 BAYOU DECADE AT LOST LAKE NEAR THERIOT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.3	26.6	28.5	28.2	25.1	26.5	30.6	28.8	29.5	30.6	28.1	29.2
2	30.2	28.0	29.1	28.5	27.3	27.8	31.2	29.0	30.0	32.2	29.3	30.6
3	29.2	27.2	28.3	28.4	27.4	27.8	32.5	29.2	30.7	33.6	30.7	31.8
4	29.9	27.8	28.7	28.1	27.2	27.7	33.3	29.9	31.6	33.3	31.2	32.1
5	29.6	27.3	28.3	29.3	27.1	28.1	33.9	30.9	32.3	31.9	29.1	30.7
6	28.5	27.1	27.7	28.6	27.5	28.0	32.6	30.5	31.7	30.3	27.4	28.8
7	30.7	26.9	28.8	29.8	27.3	28.4	31.1	29.5	30.4	31.2	27.9	29.3
8	31.7	29.0	30.4	30.7	28.2	29.4	32.5	29.6	30.8	31.8	29.0	30.2
9	32.6	29.9	31.2	32.8	29.2	30.8	33.0	29.9	31.2	30.1	28.3	28.9
10	32.0	30.2	31.2	31.9	29.9	31.0	33.1	30.6	31.6	29.7	27.6	28.5
11	31.0	29.1	30.1	33.4	30.0	31.2	32.4	29.9	31.2	29.5	27.9	28.8
12	30.6	28.7	29.6	33.2	30.4	31.5	---	---	---	28.9	27.9	28.3
13	30.8	28.4	29.7	31.8	30.4	30.9	---	---	---	29.6	27.5	28.6
14	31.3	28.9	30.2	30.4	27.2	28.5	30.2	26.9	28.4	31.1	28.4	29.5
15	31.6	29.3	30.3	29.5	26.7	28.0	29.6	28.6	29.2	30.4	28.7	29.5
16	30.3	28.5	29.4	31.5	28.5	30.0	30.2	28.4	29.3	30.0	27.4	28.8
17	29.4	28.4	29.0	30.5	28.0	29.6	30.6	29.4	29.9	29.6	27.7	28.6
18	30.8	28.0	29.1	29.9	27.0	28.3	32.1	28.9	30.3	30.3	27.8	29.0
19	30.4	29.1	29.7	31.3	28.1	29.8	32.3	30.0	31.1	30.2	28.4	29.4
20	29.6	28.1	28.8	32.1	29.2	30.6	32.0	30.2	30.9	29.4	27.3	28.4
21	28.9	27.7	28.2	32.0	29.5	30.8	32.1	29.6	30.7	27.3	26.1	26.6
22	32.3	27.7	29.4	31.5	29.5	30.4	31.3	29.5	30.3	27.2	25.8	26.4
23	32.8	29.5	31.2	30.8	29.1	29.9	31.1	28.9	30.1	27.6	25.4	26.5
24	33.6	31.0	32.1	30.0	28.1	28.9	30.8	29.7	30.1	28.5	26.8	27.4
25	32.4	31.1	31.7	32.0	28.3	29.8	29.7	28.5	29.1	28.5	26.4	27.4
26	32.8	30.3	31.4	32.5	29.9	31.1	31.0	28.0	29.5	28.4	26.7	27.7
27	31.8	29.7	30.9	32.5	30.1	31.1	31.9	29.7	30.8	30.0	27.7	28.6
28	31.4	29.0	30.0	31.2	30.0	30.6	32.0	30.1	31.2	28.5	26.0	27.5
29	30.6	28.1	29.5	30.7	29.0	30.0	31.0	29.6	30.3	26.0	22.4	24.0
30	28.1	26.0	26.8	31.8	29.2	30.4	29.6	27.8	28.6	23.3	20.7	22.1
31	---	---	---	31.3	29.6	30.1	29.2	27.4	28.3	---	---	---
MONTH	33.6	26.0	29.6	33.4	25.1	29.6	---	---	---	33.6	20.7	28.4

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA

LOCATION.--Lat 29°25'10", long 91°16'37", T. 18 S., R. 12 E., St. Mary Parish, Hydrologic Unit 08080101, on right bank of stream 500 yards downstream of junction with East Pass of Lower Atchafalaya River, 20 miles downstream from Lower Atchafalaya River at Morgan City.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 2002 to November 2003.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is assumed.

REMARKS.--Records fair. Gage height affected by tide and wind at all stages. Satellite telemetry at site. Records from June 2002 to September 2002 and from October 2003 to November 2003 are located at Louisiana District Office.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive recorded discharge, 6,340 ft³/s, Dec. 31, 2002; maximum negative recorded discharge, -4,830 ft³/s, Oct. 3, 2002; maximum recorded gage height, 10.42 ft, Oct. 3, 2003; minimum recorded gage height, 3.97 ft, Feb. 1, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum positive recorded discharge, 6,340 ft³/s, Dec. 31; maximum recorded gage height, 10.42 ft, Oct. 3; maximum negative recorded discharge, -4,830 ft³/s, Oct. 3; minimum recorded gage height, 3.97 ft, Feb. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,340	1,560	1,600	3,050	1,940	3,170	2,670	2,250	3,460	2,870	2,020	1,820
2	2,280	1,750	1,360	3,230	1,860	3,250	2,580	2,360	3,480	2,880	1,930	1,600
3	-182	1,840	1,500	2,960	1,810	3,190	2,390	2,330	3,910	2,880	1,930	1,620
4	2,090	1,720	1,610	2,870	---	3,470	2,490	2,310	4,120	2,890	1,960	1,720
5	2,070	1,620	1,520	2,840	---	3,280	2,360	2,510	3,680	2,760	2,000	2,000
6	1,890	1,340	1,490	2,850	---	3,490	2,200	2,480	3,640	2,690	2,120	1,870
7	1,810	1,440	1,600	2,850	---	3,550	2,330	2,480	3,710	2,610	2,210	1,890
8	1,770	1,600	1,480	2,770	---	3,520	2,710	2,320	3,620	2,560	1,900	1,800
9	1,780	1,930	1,530	2,630	---	3,730	2,940	2,320	3,450	2,500	1,930	1,780
10	1,980	1,680	1,300	2,770	---	3,650	2,750	2,470	3,260	2,450	1,770	1,870
11	1,910	1,590	---	2,670	1,940	3,600	2,610	2,740	3,370	2,440	1,800	1,780
12	1,800	1,430	---	2,640	1,910	3,750	2,510	2,500	3,300	2,300	1,620	1,870
13	1,720	1,630	---	2,690	1,770	3,850	2,420	2,320	3,290	2,110	1,780	2,380
14	1,880	1,890	---	2,760	1,720	3,880	2,350	2,490	3,140	2,070	1,770	2,410
15	1,760	1,620	---	2,640	1,960	3,800	2,160	2,610	3,050	2,100	1,570	2,330
16	1,790	1,710	---	2,960	2,450	3,600	2,150	2,660	3,030	2,280	1,840	2,240
17	1,650	1,630	---	2,450	2,270	3,700	2,500	2,950	2,800	2,280	1,780	2,280
18	1,650	1,450	---	2,610	2,000	3,450	2,260	2,740	2,840	2,210	1,860	2,320
19	1,560	1,820	---	2,390	2,240	3,610	2,080	2,760	2,790	2,210	1,780	2,360
20	1,560	1,890	---	2,320	1,930	3,500	2,150	2,860	2,780	2,250	1,850	2,220
21	1,390	1,830	---	2,330	1,840	3,610	2,430	3,120	2,840	2,230	1,950	2,240
22	1,480	1,700	---	2,370	3,520	3,320	2,170	3,260	2,860	2,290	1,920	2,260
23	1,600	1,620	---	2,150	2,660	3,340	1,910	3,230	2,840	2,450	1,940	2,050
24	1,670	1,530	---	1,930	2,690	3,120	2,510	3,150	2,800	2,250	1,950	1,950
25	1,640	1,570	---	1,860	2,890	2,930	2,720	3,170	2,750	2,250	1,870	1,980
26	1,460	---	---	1,850	2,970	3,070	2,600	3,150	2,810	2,210	1,890	1,870
27	1,560	---	---	1,890	3,060	3,020	2,390	3,150	2,850	2,250	1,880	1,990
28	1,580	1,570	---	1,910	3,110	2,830	2,130	3,210	2,780	2,210	1,840	1,990
29	1,760	1,830	2,520	1,980	---	3,160	2,180	3,330	2,620	2,190	1,790	1,860
30	1,500	1,680	2,670	1,930	---	---	2,200	3,360	2,470	2,310	1,390	1,980
31	1,510	---	3,660	1,990	---	2,760	---	3,470	---	2,260	1,770	---
TOTAL	52,258	---	---	77,140	---	---	71,850	86,060	94,340	74,240	57,610	60,330
MEAN	1,686	---	---	2,488	---	---	2,395	2,776	3,145	2,395	1,858	2,011

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.83	5.32	5.25	5.26	4.89	5.45	5.26	5.70	5.31	5.73	5.33	6.37
2	6.08	5.40	4.19	5.16	4.95	5.38	5.23	5.58	5.66	5.79	5.34	6.15
3	7.99	5.98	4.63	4.96	5.21	5.35	5.50	5.50	5.74	5.88	5.34	5.94
4	6.71	5.78	4.85	5.21	---	5.87	5.71	5.89	5.58	5.74	5.34	5.74
5	6.08	6.14	5.09	5.16	---	5.87	5.62	6.61	5.72	5.72	5.38	5.78
6	5.77	4.93	4.77	5.09	---	5.65	6.03	6.33	5.98	5.67	5.34	5.79
7	5.74	5.33	5.02	4.94	---	5.60	5.89	6.24	5.57	5.73	5.36	5.93
8	5.69	5.42	5.10	4.89	---	5.75	5.62	6.05	5.38	5.61	5.09	6.07
9	6.06	5.63	5.38	5.08	---	5.60	4.82	6.05	5.43	5.69	5.44	6.23
10	6.14	5.86	5.22	4.97	---	5.64	4.98	6.32	5.63	5.63	5.37	5.95
11	5.74	5.72	---	4.99	5.12	5.73	5.16	5.78	5.81	5.59	5.46	5.97
12	5.78	4.91	---	4.93	5.01	5.73	5.07	5.07	5.85	5.63	5.60	6.41
13	5.31	4.97	---	5.12	5.13	5.61	5.07	5.31	5.83	5.95	5.55	6.25
14	5.55	5.41	---	5.02	5.32	5.71	5.08	5.59	5.72	6.38	5.45	5.87
15	5.60	5.35	---	5.07	5.52	5.79	5.15	5.62	5.74	6.26	5.50	5.79
16	5.56	4.57	---	5.18	5.04	6.09	5.67	5.74	5.62	5.77	5.72	5.89
17	5.77	4.92	---	4.63	4.82	6.05	5.59	5.98	5.61	5.57	5.71	5.96
18	5.76	5.18	---	5.08	5.13	6.23	5.32	5.36	5.58	5.50	5.42	5.97
19	6.03	4.92	---	4.95	5.27	6.23	5.72	5.35	5.63	5.43	5.53	5.94
20	5.87	5.23	---	5.03	5.24	6.05	5.62	5.33	5.66	5.22	5.45	5.76
21	5.57	4.89	---	5.13	6.03	5.56	5.38	5.26	5.64	5.23	5.32	6.22
22	5.61	4.79	---	4.95	5.71	5.61	5.46	5.15	5.52	5.31	5.56	5.97
23	5.83	4.97	---	4.32	5.54	5.40	5.60	5.14	5.46	5.37	5.73	5.84
24	5.73	5.02	---	4.65	5.44	5.47	6.11	5.31	5.60	5.22	5.79	6.19
25	5.98	5.19	---	4.75	5.27	5.62	5.75	5.38	5.70	5.21	5.85	6.11
26	5.66	---	---	4.86	5.66	5.36	5.29	5.43	5.72	5.29	5.92	6.38
27	6.07	---	---	4.96	5.41	5.82	5.39	5.23	5.79	5.29	6.01	6.21
28	5.90	4.76	---	5.11	5.32	5.87	5.56	5.33	5.77	5.38	5.94	5.63
29	6.00	5.12	5.29	5.07	---	5.10	5.65	5.33	6.06	5.50	5.91	5.57
30	5.58	5.16	5.57	5.01	---	---	5.75	5.37	6.26	5.44	6.63	5.57
31	5.30	---	5.78	4.99	---	5.13	---	5.50	---	5.42	6.57	---
MAX	7.99	---	---	5.26	---	---	6.11	6.61	6.26	6.38	6.63	6.41
MIN	5.30	---	---	4.32	---	---	4.82	5.07	5.31	5.21	5.09	5.57

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: June 2002 to November 2003.

SALINITY: June 2002 to November 2003.

WATER TEMPERATURE: June 2002 to November 2003.

INSTRUMENTATION.--Water-quality monitor collecting temperature and specific conductance.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 2-Nov. 20, Feb. 11-12, 14-15, Mar. 24-31, July 3-Sept. 4, 14-20 22-23 when records good;

Apr. 1-6 when records fair; and Apr. 7-22 when records poor.

SALINITY: Records excellent except for Oct. 2-Nov. 20, Feb. 11-12, 14-15, Mar. 24-31, July 3-Sept. 4, 14-20 22-23 when records good; Apr. 1-6 when records fair; and Apr. 7-22 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 33,800 microseimens/cm, Oct. 3, 2002; minimum, 209 microseimens/cm, Mar. 8, 2003.

SALINITY: Maximum, 21.2 ppt, Oct. 3, 2002; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.4°C, July 19, 2002; minimum 6.6°C, Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 33,800 microsiemens/cm, Oct. 3; minimum, 209 microsiemens/cm, Mar. 8.

SALINITY: Maximum, 21.2 ppt, Oct. 3; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 32.3°C, Sept. 3; minimum, 6.6°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	668	443	474	417	393	403	349	343	346	258	254	256
2	1,920	444	1,140	397	363	379	344	338	339	256	245	252
3	33,800	695	21,800	1,090	365	488	343	338	340	247	242	244
4	32,700	4,650	14,500	1,080	376	671	341	333	338	248	242	245
5	4,650	3,560	3,980	997	367	505	343	339	340	247	242	245
6	4,120	2,780	3,450	370	358	364	344	338	341	242	233	238
7	2,830	2,000	2,180	373	337	355	348	343	345	233	226	228
8	2,050	1,170	1,580	348	335	345	347	343	345	228	225	226
9	1,660	551	1,010	349	302	324	357	347	352	227	226	227
10	1,040	463	699	307	276	287	---	---	---	234	226	228
11	1,100	434	730	302	260	270	---	---	---	239	232	237
12	1,120	432	807	278	255	263	---	---	---	243	237	239
13	948	438	751	276	251	262	---	---	---	240	238	239
14	910	479	745	256	250	252	---	---	---	247	239	243
15	642	376	513	257	252	254	---	---	---	255	247	252
16	596	387	502	279	256	263	---	---	---	257	254	255
17	1,020	399	637	294	264	278	---	---	---	261	256	259
18	991	378	505	290	265	280	---	---	---	263	259	261
19	1,120	500	814	302	287	295	---	---	---	270	262	265
20	1,090	631	837	309	299	305	---	---	---	277	268	273
21	1,020	378	627	321	308	312	---	---	---	285	277	281
22	636	348	389	338	317	331	---	---	---	286	284	285
23	404	348	363	341	333	337	---	---	---	306	286	293
24	372	342	350	344	333	339	---	---	---	307	292	298
25	820	344	428	348	303	336	---	---	---	302	299	300
26	402	362	367	314	307	310	---	---	---	304	298	301
27	458	346	359	336	314	324	---	---	---	308	298	303
28	477	352	370	341	334	338	---	---	---	308	302	305
29	372	356	365	342	333	337	308	275	295	308	302	305
30	417	372	393	348	341	345	275	262	267	314	305	308
31	421	402	413	---	---	---	275	251	256	317	313	314
MONTH	33,800	342	2,000	1,090	250	338	---	---	---	317	225	265

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	332	317	324	228	224	225	259	249	254	---	---	---
2	335	329	332	224	220	222	271	258	265	---	---	---
3	340	332	337	225	218	222	281	271	276	---	---	---
4	---	---	---	230	225	226	285	280	282	---	---	---
5	---	---	---	227	221	224	286	282	284	---	---	---
6	---	---	---	221	214	216	290	283	285	---	---	---
7	---	---	---	214	210	212	297	284	290	---	---	---
8	---	---	---	211	209	210	289	278	284	---	---	---
9	---	---	---	218	211	213	311	278	293	---	---	---
10	---	---	---	233	218	227	358	301	331	---	---	---
11	1,740	356	529	235	233	234	397	358	373	---	---	---
12	927	357	504	236	234	235	402	359	374	---	---	---
13	494	358	377	237	234	235	394	350	368	---	---	---
14	1,130	468	653	236	231	233	398	358	376	---	---	---
15	1,530	433	879	231	225	228	408	372	389	---	---	---
16	433	371	377	225	223	224	404	386	396	---	---	---
17	380	375	377	223	222	222	400	236	295	---	---	---
18	385	373	381	226	222	224	247	231	240	---	---	---
19	384	372	380	228	225	226	262	246	252	---	---	---
20	374	350	363	231	225	227	255	244	250	---	---	---
21	372	351	354	229	225	227	258	250	254	---	---	---
22	369	354	360	225	219	224	270	257	263	---	---	---
23	373	364	369	221	219	220	---	---	---	324	320	322
24	365	330	355	222	220	221	---	---	---	328	324	326
25	330	314	321	224	222	223	---	---	---	326	314	320
26	314	262	286	227	223	225	---	---	---	314	312	313
27	262	245	251	234	226	230	---	---	---	315	311	312
28	245	228	236	247	234	242	---	---	---	312	309	311
29	---	---	---	254	247	250	---	---	---	311	309	310
30	---	---	---	---	---	---	---	---	---	317	311	314
31	---	---	---	250	249	249	---	---	---	318	316	317
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
JUNE			JULY			AUGUST			SEPTEMBER			
1	321	318	319	459	453	456	424	417	421	3,980	1,930	2,680
2	324	320	322	475	458	466	429	424	426	2,380	1,040	1,600
3	325	322	323	479	415	455	437	428	433	1,290	455	854
4	326	323	325	415	392	400	437	433	435	587	429	470
5	326	323	325	401	392	396	438	429	435	1,660	425	773
6	324	320	322	430	400	413	438	433	436	1,780	424	825
7	321	319	320	447	430	440	436	431	434	1,780	433	675
8	321	317	319	463	447	457	434	429	432	1,970	449	864
9	318	315	317	465	462	463	430	426	428	1,840	454	812
10	316	314	315	463	455	459	431	426	429	1,710	453	570
11	318	310	315	463	458	460	433	428	431	1,170	420	498
12	314	309	312	459	343	355	437	430	433	927	439	573
13	317	309	314	364	349	353	443	436	441	1,190	465	588
14	331	317	324	560	364	409	442	439	440	465	440	453
15	334	330	332	612	513	564	936	442	470	453	423	429
16	341	332	338	513	438	466	1,030	459	628	447	426	431
17	345	338	342	438	416	425	811	458	666	444	428	434
18	355	341	349	422	418	420	590	464	476	437	420	431
19	366	353	360	422	419	421	464	459	461	420	408	415
20	382	366	375	422	402	415	461	458	460	405	397	401
21	387	380	384	413	404	408	463	448	455	1,620	397	847
22	398	387	393	419	413	416	453	448	451	424	401	406
23	405	397	402	419	401	412	647	450	466	405	397	403
24	411	405	408	406	400	403	457	448	450	1,400	395	498
25	421	410	417	412	401	407	450	447	448	1,280	387	445
26	435	421	428	411	397	402	699	450	478	2,290	516	1,080
27	440	430	435	398	394	396	920	465	512	2,290	834	1,370
28	438	432	435	397	394	395	928	464	488	2,020	409	767
29	452	438	446	405	397	402	528	468	478	416	394	406
30	458	446	453	406	403	405	2,140	528	1,120	584	399	425
31	---	---	---	417	406	412	3,110	1,860	2,420	---	---	---
MONTH	458	309	359	612	343	424	3,110	417	548	3,980	387	714

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
2	1.0	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
3	21.2	0.3	13.4	0.5	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
4	20.4	2.5	8.5	0.5	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.1
5	2.5	1.9	2.1	0.5	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.1
6	2.2	1.4	1.8	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
7	1.5	1.0	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
8	1.0	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
9	0.8	0.3	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
10	0.5	0.2	0.3	0.2	0.1	0.1	---	---	---	0.1	0.1	0.1
11	0.5	0.2	0.4	0.2	0.1	0.1	---	---	---	0.1	0.1	0.1
12	0.6	0.2	0.4	0.1	0.1	0.1	---	---	---	0.1	0.1	0.1
13	0.5	0.2	0.4	0.1	0.1	0.1	---	---	---	0.1	0.1	0.1
14	0.4	0.2	0.4	0.1	0.1	0.1	---	---	---	0.1	0.1	0.1
15	0.3	0.2	0.3	0.1	0.1	0.1	---	---	---	0.1	0.1	0.1
16	0.3	0.2	0.2	0.1	0.1	0.1	---	---	---	0.1	0.1	0.1
17	0.5	0.2	0.3	0.1	0.1	0.1	---	---	---	0.1	0.1	0.1
18	0.5	0.2	0.2	0.1	0.1	0.1	---	---	---	0.1	0.1	0.1
19	0.6	0.2	0.4	0.2	0.1	0.1	---	---	---	0.1	0.1	0.1
20	0.5	0.3	0.4	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
21	0.5	0.2	0.3	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
22	0.3	0.2	0.2	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1
23	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.2	0.1	0.1
24	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.2	0.1	0.2
25	0.4	0.2	0.2	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
31	0.2	0.2	0.2	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2
MONTH	21.2	0.2	1.1	0.5	0.1	0.2	---	---	---	0.2	0.1	0.1
	FEBRUARY			MARCH			APRIL			MAY		
1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
4	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
5	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
6	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
7	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	---	---	---
8	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
9	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	---	---	---
10	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
11	0.9	0.2	0.3	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
12	0.5	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
13	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
14	0.6	0.2	0.3	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
15	0.8	0.2	0.4	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
16	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
17	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	---	---	---
18	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
19	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
20	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
21	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
22	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---
23	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
24	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
25	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
26	0.2	0.1	0.1	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
27	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
28	0.1	0.1	0.1	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
29	---	---	---	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
30	---	---	---	---	---	---	---	---	---	0.2	0.2	0.2
31	---	---	---	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.1	1.0	1.4
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.2	0.5	0.8
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.4
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.2	0.4
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.4
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.3
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.0	0.2	0.4
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.4
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.2	0.3
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.3
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.3
14	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.3	0.2	0.2	0.5	0.2	0.3	0.2	0.2	0.2
17	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.2	0.2	0.2
18	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.2	0.4
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	1.2	0.3	0.5
27	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.3	1.2	0.4	0.7
28	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	1.0	0.2	0.4
29	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	0.2	0.2	1.1	0.3	0.6	0.3	0.2	0.2
31	---	---	---	0.2	0.2	0.2	1.6	0.9	1.2	---	---	---
MONTH	0.2	0.2	0.2	0.3	0.2	0.2	1.6	0.2	0.3	2.1	0.2	0.3

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	27.6	26.3	26.7	20.8	20.1	20.5	15.1	14.1	14.4	10.1	9.5	9.8
2	27.2	26.0	26.6	20.2	19.3	19.7	14.8	13.6	13.8	9.6	9.2	9.4
3	26.7	25.0	26.1	20.3	18.9	19.6	13.9	13.1	13.5	9.3	9.0	9.1
4	27.1	25.6	26.1	20.0	19.6	19.8	14.4	12.8	13.1	9.3	8.8	9.0
5	26.1	25.6	25.8	20.3	19.0	19.8	13.4	13.0	13.1	9.4	8.9	9.1
6	26.9	25.6	26.2	19.2	18.3	18.7	13.3	12.3	12.8	9.6	9.1	9.3
7	26.9	26.1	26.4	18.8	17.6	18.2	13.0	12.0	12.4	9.5	9.0	9.2
8	27.0	25.8	26.2	18.1	17.4	17.6	13.1	12.2	12.6	9.5	9.0	9.2
9	26.2	25.4	25.8	18.6	17.5	17.8	15.3	12.7	13.2	9.7	9.1	9.4
10	26.0	25.2	25.6	21.1	17.7	18.7	15.0	11.3	11.7	10.1	9.6	9.8
11	25.6	25.0	25.3	21.2	17.9	18.8	---	---	---	9.6	8.9	9.2
12	25.7	24.9	25.2	18.8	17.5	18.1	---	---	---	8.9	8.4	8.6
13	25.5	24.6	25.1	18.2	16.4	17.5	---	---	---	8.7	8.2	8.4
14	24.6	24.1	24.4	17.4	16.4	16.7	---	---	---	8.6	8.1	8.3
15	24.4	23.4	23.9	17.7	16.6	16.9	---	---	---	8.6	8.1	8.2
16	23.9	22.7	23.3	17.1	16.0	16.6	---	---	---	9.6	7.7	8.3
17	24.0	22.6	23.2	16.4	15.5	15.9	---	---	---	7.9	7.3	7.6
18	23.8	22.7	23.1	16.5	15.1	15.6	---	---	---	7.7	7.2	7.3
19	24.6	22.6	23.2	16.0	15.4	15.6	---	---	---	7.9	7.1	7.4
20	23.5	22.5	22.8	15.7	15.2	15.4	---	---	---	8.4	7.3	7.8
21	23.3	22.0	22.6	15.5	14.7	15.1	---	---	---	8.7	7.7	8.2
22	22.5	21.6	21.9	14.9	14.1	14.5	---	---	---	8.7	8.0	8.4
23	22.3	21.5	21.8	14.4	13.7	14.1	---	---	---	8.3	7.6	8.0
24	22.3	21.1	21.6	14.6	13.6	14.0	---	---	---	7.8	6.9	7.3
25	22.1	21.1	21.4	15.6	13.9	14.6	---	---	---	7.4	6.6	7.0
26	21.5	20.8	21.0	15.6	14.9	15.3	---	---	---	7.1	6.8	7.0
27	22.6	20.8	21.2	15.4	14.4	14.8	---	---	---	7.5	6.8	7.1
28	22.6	21.0	21.6	14.7	13.8	14.2	---	---	---	8.0	6.8	7.2
29	21.2	20.6	20.9	14.7	13.7	14.2	10.8	10.1	10.4	9.5	7.2	7.9
30	21.6	20.4	20.9	15.2	14.0	14.3	10.9	10.1	10.3	8.1	7.3	7.8
31	21.5	20.3	20.9	---	---	---	10.9	9.8	10.3	8.3	7.5	7.9
MONTH	27.6	20.3	23.8	21.2	13.6	16.8	---	---	---	10.1	6.6	8.3
FEBRUARY			MARCH			APRIL			MAY			
1	9.2	7.3	8.0	9.6	9.1	9.4	16.1	15.3	15.7	22.3	20.3	21.2
2	9.2	7.5	8.3	9.4	8.9	9.1	16.3	15.6	15.9	23.7	21.0	22.0
3	10.2	7.8	8.6	9.0	8.4	8.7	17.3	15.8	16.3	23.1	21.4	22.1
4	---	---	---	8.8	8.3	8.5	18.0	16.1	16.7	24.7	21.7	22.9
5	---	---	---	8.8	8.4	8.6	18.2	16.6	17.2	26.5	23.0	24.3
6	---	---	---	8.8	8.6	8.7	22.5	17.3	18.8	26.5	23.0	24.1
7	---	---	---	9.3	8.6	8.9	19.2	17.6	18.2	25.8	23.2	23.9
8	---	---	---	9.2	9.0	9.0	18.0	17.4	17.7	24.9	23.0	23.7
9	---	---	---	9.7	9.0	9.4	17.4	16.2	16.9	26.1	23.1	24.1
10	---	---	---	10.3	9.6	10	17.0	16.2	16.5	27.4	23.4	24.9
11	10.2	7.7	8.6	10.6	10.0	10.3	17.3	16.2	16.7	24.7	23.6	24.2
12	10.0	8.2	8.8	10.7	10.3	10.5	17.9	16.5	17.1	25.3	23.9	24.4
13	10.6	8.2	9.1	10.7	10.6	10.6	18.7	17.1	17.7	25.1	23.9	24.3
14	14.3	8.9	10.7	11.5	10.7	11.1	19.0	17.6	18.2	25.1	23.7	24.2
15	15.8	9.8	11.6	12.0	11.3	11.6	19.9	17.8	18.6	25.0	23.9	24.3
16	10.4	9.5	9.9	12.0	11.8	11.9	21.5	18.0	19.0	25.1	23.8	24.3
17	10.6	8.9	9.7	12.5	11.8	12.1	21.3	18.4	19.3	24.9	23.6	24.1
18	9.7	8.7	9.2	13.0	12.3	12.6	20.3	19.0	19.6	24.4	23.3	23.8
19	10.2	8.7	9.3	13.4	12.6	13.0	21.4	19.3	20.1	24.8	23.6	24.0
20	11.1	9.1	10.0	13.8	13.2	13.5	20.9	18.9	19.8	24.6	23.6	23.9
21	16.7	9.7	12.1	14.4	13.7	14.0	21.1	19.3	20.0	24.5	23.6	23.9
22	16.4	9.2	11.2	14.9	14.2	14.5	20.9	19.4	20.0	24.0	23.4	23.8
23	12.8	9.2	10.1	15.4	14.7	15.1	20.2	18.8	19.5	24.2	23.2	23.6
24	11.8	9.9	10.7	15.8	15.2	15.4	21.4	18.8	19.9	24.5	23.5	23.8
25	11.5	11.0	11.2	16.0	15.4	15.6	21.3	19.5	20.1	24.4	23.5	23.8
26	11.1	10.7	10.9	15.6	15.5	15.6	21.1	19.4	20.0	24.3	23.6	23.9
27	10.7	10.1	10.4	16.9	15.3	15.9	21.0	19.4	20.1	24.1	23.4	23.8
28	10.1	9.6	9.9	17.3	15.8	16.3	21.7	19.6	20.4	24.0	23.1	23.4
29	---	---	---	16.4	15.5	16.1	21.6	19.8	20.5	23.6	23.2	23.4
30	---	---	---	---	---	---	22.1	20.0	20.9	24.0	23.4	23.7
31	---	---	---	15.9	15.1	15.4	---	---	---	24.1	23.5	23.8
MONTH	---	---	---	---	---	---	22.5	15.3	18.6	27.4	20.3	23.7

073816537 CASTILLE PASS SOUTH OF MORGAN CITY, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.5	23.8	24.1	27.1	26.1	26.6	30.4	29.7	30.0	31.1	29.7	30.2
2	24.9	24.1	24.5	28.0	26.8	27.2	31.0	29.6	30.1	31.7	30.1	30.7
3	24.5	24.2	24.4	27.4	27.1	27.2	30.9	29.6	30.1	32.3	30.3	31.0
4	24.5	24.1	24.2	27.6	27.2	27.4	30.9	29.8	30.3	32.1	30.6	31.1
5	25.0	24.1	24.4	28.1	27.1	27.4	31.2	30.0	30.5	31.0	29.8	30.4
6	24.8	24.3	24.5	28.0	27.2	27.4	31.0	30.2	30.5	30.8	29.2	29.9
7	25.2	24.4	24.8	28.6	27.2	27.6	30.8	29.8	30.2	31.3	29.2	30.1
8	25.5	24.9	25.2	29.0	27.6	28.2	31.4	29.8	30.5	31.2	29.4	30.0
9	25.9	25.2	25.6	29.6	28.0	28.7	31.5	30.0	30.5	30.0	29.1	29.6
10	26.1	25.5	25.8	29.4	28.5	28.9	31.5	29.9	30.5	30.5	28.9	29.5
11	26.1	25.5	25.8	30.4	28.5	29.2	31.2	29.8	30.5	29.8	28.6	29.1
12	26.2	25.6	25.8	29.9	28.6	29.2	30.4	29.3	29.9	29.6	28.5	29.0
13	27.1	25.5	26.1	30.0	28.6	29.1	29.6	29.0	29.3	29.6	28.3	28.9
14	26.9	25.9	26.2	29.1	27.8	28.5	30.2	28.7	29.3	30.0	28.4	29.0
15	26.8	25.9	26.2	29.6	28.0	28.6	29.8	28.9	29.3	29.3	28.0	28.6
16	26.4	25.6	26.0	30.6	28.6	29.4	30.5	29.1	29.6	28.8	27.7	28.2
17	26.2	25.4	25.7	30.1	29.1	29.5	30.4	29.6	29.9	28.7	27.6	28.0
18	26.8	25.4	25.8	30.3	28.9	29.4	30.8	29.4	30.0	28.8	27.6	28.0
19	27.1	25.8	26.2	30.6	29.1	29.8	30.9	29.7	30.3	28.5	27.6	27.9
20	26.2	25.6	25.8	31.0	29.8	30.3	31.2	29.9	30.5	27.7	27.1	27.4
21	26.4	25.7	25.9	31.0	29.9	30.3	31.3	30.1	30.6	27.1	26.4	26.8
22	27.4	26.0	26.5	31.1	30.0	30.4	31.1	29.9	30.5	26.9	26.2	26.5
23	27.5	26.4	26.8	30.7	29.9	30.3	31.8	30.2	30.8	27.5	26.1	26.6
24	28.2	26.7	27.2	30.2	29.6	29.9	31.4	30.2	30.7	28.0	26.4	27.0
25	28.1	27.0	27.3	31.0	29.7	30.2	30.9	30.0	30.4	27.6	26.4	27.0
26	28.4	27.0	27.3	31.4	29.8	30.4	31.6	29.8	30.6	28.4	26.5	27.3
27	28.2	27.1	27.4	31.1	29.8	30.3	31.3	30.3	30.7	28.2	26.6	27.2
28	28.2	27.0	27.5	32.1	29.9	30.6	31.6	30.4	30.9	26.8	25.9	26.5
29	28.3	27.1	27.5	32.1	29.9	30.6	31.4	30.2	30.7	25.9	24.9	25.5
30	27.1	25.6	26.5	31.1	29.7	30.3	30.2	27.8	29.2	25.1	24.3	24.7
31	---	---	---	30.8	29.6	30.1	30.5	28.4	29.7	---	---	---
MONTH	28.4	23.8	25.9	32.1	26.1	29.1	31.8	27.8	30.2	32.3	24.3	28.4

07381670 GULF INTRACOASTAL WATERWAY AT BAYOU SALE RIDGE NEAR FRANKLIN, LA

LOCATION.--Lat 29°40'51", long 91°28'14", T. 16 S., R. 10 E., Sec. 4, St. Mary Parish, Hydrologic Unit 08080102, at State Highway 317 bridge, eight miles south of Franklin and five miles west of Wax Lake Outlet.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1999 to January 2000 (discharge measurements only), January 2000 to current year.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--No estimated daily discharge. Records fair. Reverse flow at times during year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 26,200 ft³/s, Oct. 3, 2002; maximum gage height, 6.88 ft, Oct. 3, 2002; maximum negative discharge, -11,600 ft³/s, Oct. 3, 2002; minimum gage height, -0.63 ft, Oct. 8, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 26,200 ft³/s; maximum gage height, 6.88 ft, Oct. 3; maximum negative discharge, -11,600 ft³/s, Oct. 3, minimum gage height, 0.07 ft, Feb. 7.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,260	4,560	5,830	11,600	5,220	12,800	11,400	7,110	16,100	12,100	---	1,250
2	4,560	4,150	5,690	11,300	4,640	13,200	10,900	7,290	16,100	11,800	---	1,870
3	5,130	3,100	5,670	11,800	4,020	13,700	10,600	7,180	16,200	11,300	---	2,820
4	-3,760	4,280	4,700	12,000	4,730	14,500	9,970	7,250	16,400	10,900	---	3,460
5	292	2,880	5,710	11,700	4,560	14,300	9,380	6,390	16,200	10,600	---	4,180
6	2,350	4,500	6,660	11,600	2,910	14,300	9,180	5,560	15,900	10,300	---	4,510
7	3,750	5,990	5,390	11,600	4,650	15,000	8,420	5,960	15,400	10,100	---	4,230
8	5,100	4,940	5,000	11,700	4,300	15,100	7,930	6,390	15,300	9,310	---	4,450
9	3,330	5,030	4,850	11,600	3,880	15,200	8,170	6,060	14,800	8,620	---	3,960
10	3,190	4,760	5,480	11,100	3,520	15,600	9,250	6,740	14,200	7,810	---	2,620
11	4,220	4,770	5,060	11,600	4,760	15,900	9,320	6,280	13,400	7,170	---	3,710
12	4,590	5,810	4,340	11,300	3,830	16,200	8,720	8,170	12,500	7,180	---	4,370
13	4,860	6,040	4,200	11,300	5,080	16,300	8,250	9,070	12,400	6,520	---	3,410
14	5,910	4,510	5,550	11,200	5,090	16,400	7,990	9,600	11,900	7,260	4,890	5,040
15	6,050	4,170	5,000	11,100	4,750	16,400	8,040	10,100	11,600	5,100	5,530	6,190
16	5,710	5,810	4,840	10,000	4,880	16,400	7,250	10,800	11,400	4,450	4,810	6,490
17	4,800	5,910	5,270	10,100	6,440	15,700	7,040	10,800	11,300	5,050	5,100	6,520
18	4,160	4,650	4,970	10,100	6,200	15,400	7,440	11,600	11,100	5,470	5,330	6,270
19	4,270	5,540	4,200	9,730	6,050	15,300	7,590	12,300	11,100	6,040	5,070	6,140
20	4,010	6,210	5,280	9,170	6,890	14,100	7,190	12,900	11,500	6,090	4,920	5,090
21	4,910	6,290	5,900	8,730	7,340	13,600	7,640	13,500	11,500	6,560	4,860	5,040
22	5,530	6,470	5,630	7,960	6,560	13,600	8,270	14,000	11,500	6,360	5,330	4,560
23	4,240	6,730	7,360	7,970	9,850	13,300	8,250	14,400	11,700	7,010	5,440	4,580
24	4,680	6,360	5,540	7,400	9,760	13,300	7,810	14,600	11,800	7,750	5,390	4,510
25	4,030	6,100	8,250	6,250	10,600	12,800	6,940	14,700	11,900	7,560	4,900	4,240
26	4,040	6,040	9,260	5,970	11,100	12,600	8,380	14,800	11,900	7,280	4,700	4,100
27	4,740	6,560	9,260	5,900	11,600	12,700	8,000	15,400	11,900	7,360	4,420	3,750
28	4,630	6,190	10,000	5,140	12,400	11,800	7,540	15,600	11,800	7,090	4,750	4,070
29	3,720	5,690	10,400	4,710	---	11,700	7,450	15,800	11,900	6,770	3,790	4,630
30	4,480	5,280	10,800	5,210	---	12,000	7,140	16,100	11,900	6,900	4,880	4,310
31	5,220	---	10,900	4,590	---	11,900	---	16,100	---	6,880	1,650	---
TOTAL	127,002	159,320	196,990	291,430	175,610	441,100	251,450	332,550	392,600	240,690	---	130,370
MEAN	4,097	5,311	6,355	9,401	6,272	14,230	8,382	10,730	13,090	7,764	---	4,346

07381670 GULF INTRACOASTAL WATERWAY AT BAYOU SALE RIDGE NEAR FRANKLIN, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.06	1.75	1.22	2.32	1.14	2.62	2.09	2.23	3.06	2.79	1.62	2.56
2	2.31	1.78	1.50	2.38	1.20	2.63	2.06	2.13	3.18	2.74	1.64	2.30
3	4.18	2.29	1.58	2.03	1.41	2.67	2.20	2.10	3.36	2.75	1.66	2.07
4	3.58	2.13	1.67	2.19	0.96	2.95	2.36	2.39	3.32	2.69	1.67	1.77
5	2.60	2.59	0.88	2.27	1.01	3.01	2.25	3.05	3.30	2.65	1.74	1.82
6	2.19	1.54	0.92	2.15	1.43	3.01	2.48	3.12	3.43	2.54	1.73	1.75
7	2.06	1.74	1.27	2.01	0.35	2.95	2.54	2.98	3.30	2.53	1.75	1.93
8	2.03	1.97	1.18	1.96	0.92	3.03	2.56	2.72	3.09	2.39	1.37	2.09
9	2.51	2.13	1.15	2.03	1.66	3.03	1.86	2.76	3.01	2.34	1.73	2.31
10	2.65	2.27	1.21	1.98	1.12	2.99	1.73	2.96	3.06	2.22	1.64	2.12
11	2.21	2.32	1.46	1.91	1.28	3.05	1.85	2.68	3.26	2.09	1.66	2.10
12	2.22	1.44	1.61	1.98	1.26	3.14	1.81	2.05	3.25	2.03	1.81	2.58
13	1.80	1.24	1.75	2.01	1.29	3.11	1.77	2.12	3.11	2.30	1.82	2.70
14	1.68	1.96	0.83	1.94	1.49	3.12	1.74	2.45	2.96	2.64	1.75	2.25
15	1.76	1.93	1.22	1.93	1.76	3.14	1.69	2.56	2.85	2.74	1.67	2.13
16	1.63	0.91	1.28	2.10	1.43	3.26	2.09	2.66	2.71	2.26	1.92	2.17
17	2.05	1.17	1.51	1.46	1.03	3.33	2.06	3.03	2.63	1.96	1.91	2.33
18	2.06	1.60	1.78	1.75	1.50	3.34	1.80	2.66	2.62	1.83	1.61	2.30
19	2.31	1.45	1.88	1.69	1.68	3.36	2.11	2.56	2.63	1.77	1.68	2.26
20	2.15	1.62	1.15	1.79	1.59	3.25	2.11	2.56	2.70	1.61	1.65	2.07
21	1.87	1.61	1.52	1.76	2.23	2.95	1.89	2.56	2.76	1.62	1.52	2.44
22	1.85	1.42	1.60	1.55	2.55	2.77	1.96	2.47	2.68	1.75	1.66	2.22
23	2.06	1.42	1.90	0.82	2.21	2.60	2.08	2.53	2.61	1.85	1.82	1.96
24	2.06	1.63	2.33	0.98	2.32	2.53	2.58	2.68	2.64	1.66	1.89	2.29
25	2.38	1.71	1.48	1.17	2.28	2.56	2.58	2.81	2.71	1.69	1.98	2.18
26	2.11	1.56	1.69	1.16	2.52	2.43	1.97	2.92	2.74	1.77	2.06	2.40
27	2.42	0.94	1.85	1.27	2.52	2.51	1.99	2.85	2.80	1.73	2.11	2.31
28	2.44	0.97	1.87	1.43	2.48	2.69	2.10	2.88	2.73	1.77	2.06	1.69
29	2.45	1.30	2.12	1.36	---	2.16	2.16	2.95	2.86	1.82	2.03	1.56
30	2.23	1.44	2.38	1.19	---	1.83	2.24	3.00	3.11	1.81	2.68	1.65
31	1.73	---	2.79	1.31	---	1.93	---	3.12	---	1.75	2.74	---
MAX	4.18	2.59	2.79	2.38	2.55	3.36	2.58	3.12	3.43	2.79	2.74	2.70
MIN	1.63	0.91	0.83	0.82	0.35	1.83	1.69	2.05	2.61	1.61	1.37	1.56

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW ¼ SW ¼ 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 NGVD of 1929 (levels by Corps of Engineers) and 39.57 ft above sea level (levels by Louisiana Department of Transportation and Development). See WSP 1731 for history of changes prior to Mar. 28, 1940. January to September 1985, auxiliary nonrecording gage 6.6 mi downstream from base gage at datum 35.10 ft above sea level.

REMARKS.--Records good. Slight regulation at low flow by Cocodrie Lake. Reverse flow: Nov. 13-15, 1922.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	1,950	1,190	966	687	1,170	799	98	66	229	100	98
2	135	1,830	1,160	1,010	686	1,140	747	95	62	209	94	103
3	256	1,850	1,140	1,010	664	1,120	674	92	69	204	84	116
4	797	2,850	1,190	995	622	1,100	602	89	78	207	77	108
5	1,020	4,930	1,300	973	565	1,070	544	87	77	238	71	91
6	1,060	6,650	1,370	948	555	1,050	501	85	87	261	67	92
7	1,060	6,090	1,370	922	624	1,030	463	85	88	255	72	89
8	1,040	5,070	1,350	897	702	1,010	430	84	83	264	73	85
9	1,030	4,320	1,320	872	737	990	397	82	80	305	70	82
10	1,020	3,760	1,300	845	745	966	363	83	76	387	67	78
11	1,020	3,320	1,270	818	737	942	335	90	72	509	63	91
12	1,010	2,980	1,240	792	726	917	309	87	84	502	65	138
13	1,000	2,690	1,230	768	700	910	286	83	155	480	69	175
14	977	2,450	1,230	742	655	934	263	81	283	442	69	178
15	952	2,250	1,210	715	724	960	242	79	394	393	65	177
16	926	2,080	1,190	689	816	959	225	77	474	353	59	168
17	899	1,940	1,160	657	875	955	210	94	474	321	56	155
18	873	1,810	1,140	613	887	946	193	120	643	315	53	143
19	847	1,720	1,110	550	879	944	179	122	729	294	50	132
20	825	1,640	1,080	490	867	935	171	117	750	278	56	123
21	803	1,580	1,060	440	965	919	169	110	692	253	89	118
22	779	1,520	1,030	390	1,140	897	162	104	615	229	95	144
23	754	1,470	1,010	353	1,220	873	155	97	534	209	91	154
24	724	1,420	994	326	1,240	846	149	91	461	190	90	156
25	733	1,390	977	304	1,230	816	146	92	399	175	93	152
26	836	1,350	964	290	1,210	812	131	90	352	166	86	146
27	1,010	1,320	946	281	1,200	844	123	89	312	157	75	144
28	1,290	1,290	922	271	1,180	878	117	88	276	145	78	139
29	1,620	1,260	897	297	---	877	106	84	255	132	91	127
30	1,980	1,230	871	461	---	858	101	81	248	120	100	114
31	2,040	---	908	623	---	833	---	74	---	108	99	---
TOTAL	29,460	76,010	35,129	20,308	23,838	29,501	9,292	2,830	8,968	8,330	2,367	3,816
MEAN	950	2,534	1,133	655	851	952	310	91.3	299	269	76.4	127
MAX	2,040	6,650	1,370	1,010	1,240	1,170	799	122	750	509	100	178
MIN	135	1,230	871	271	555	812	101	74	62	108	50	78
AC-FT	58,430	150,800	69,680	40,280	47,280	58,520	18,430	5,610	17,790	16,520	4,690	7,570
CFSM	3.96	10.6	4.72	2.73	3.55	3.97	1.29	0.38	1.25	1.12	0.32	0.53
IN.	4.57	11.78	5.44	3.15	3.69	4.57	1.44	0.44	1.39	1.29	0.37	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2003, BY WATER YEAR (WY)

MEAN	202	332	531	640	676	646	605	528	326	267	217	190
MAX	1,174	2,534	1,738	1,780	1,379	1,287	1,672	4,052	1,175	1,921	943	698
(WY)	(1985)	(2003)	(1983)	(1983)	(1974)	(1997)	(1995)	(1953)	(1989)	(1989)	(1975)	(1979)
MIN	15.6	49.5	66.4	103	65.1	110	118	54.0	57.4	63.1	39.6	56.6
(WY)	(2000)	(2000)	(1925)	(1981)	(2000)	(2000)	(1963)	(2001)	(1960)	(1960)	(2000)	(2000)

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923 - 2003	
ANNUAL TOTAL	228,676		249,849			
ANNUAL MEAN	627		685		432	
HIGHEST ANNUAL MEAN					720	1983
LOWEST ANNUAL MEAN					113	2000
HIGHEST DAILY MEAN	6,650	Nov 6	6,650	Nov 6	25,000	May 19, 1953
LOWEST DAILY MEAN	39	Sep 16	50	Aug 19	a0.00	Nov 13, 1922
ANNUAL SEVEN-DAY MINIMUM	46	Sep 12	58	Aug 14	7.7	Nov 25, 1999
MAXIMUM PEAK FLOW			6,800	Nov 6	28,200	May 18, 1953
MAXIMUM PEAK STAGE			23.16	Nov 6	26.72	May 18, 1953
INSTANTANEOUS LOW FLOW			47	Aug 20	bc0.80	Apr 5, 2000
INSTANTANEOUS LOW STAGE			4.75	Aug 20	*	
ANNUAL RUNOFF (AC-FT)	453,600		495,600		312,700	
ANNUAL RUNOFF (CFSM)	2.61		2.85		1.80	
ANNUAL RUNOFF (INCHES)	35.44		38.73		24.44	
10 PERCENT EXCEEDS	1,290		1,290		975	
50 PERCENT EXCEEDS	395		490		270	
90 PERCENT EXCEEDS	63		83		84	

a Reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station.

b Regulated flow

c Also occurred on Nov. 26, 1999.

* Not determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.32	19.71	16.59	15.14	12.87	16.00	12.90	5.61	5.01	7.59	5.67	5.64
2	6.16	19.48	16.37	15.42	12.81	15.82	12.49	5.56	4.92	7.33	5.57	5.73
3	7.73	19.49	16.22	15.46	12.58	15.62	11.91	5.50	5.06	7.27	5.43	5.93
4	13.37	20.87	16.56	15.35	12.16	15.44	11.30	5.45	5.25	7.30	5.29	5.80
5	15.19	22.41	17.35	15.19	11.60	15.25	10.80	5.42	5.21	7.72	5.19	5.54
6	15.49	23.12	17.76	15.01	11.45	15.07	10.42	5.38	5.41	8.03	5.12	5.56
7	15.46	22.95	17.82	14.83	12.02	14.90	10.07	5.37	5.43	7.95	5.21	5.52
8	15.36	22.52	17.68	14.64	12.65	14.74	9.75	5.35	5.35	8.06	5.22	5.45
9	15.28	22.11	17.50	14.46	12.90	14.56	9.43	5.31	5.28	8.58	5.18	5.39
10	15.20	21.73	17.33	14.26	12.95	14.35	9.10	5.34	5.19	9.51	5.12	5.33
11	15.15	21.38	17.14	14.06	12.89	14.14	8.78	5.47	5.11	10.79	5.06	5.53
12	15.14	21.04	16.96	13.86	12.79	13.92	8.50	5.42	5.35	10.72	5.09	6.27
13	15.03	20.73	16.91	13.67	12.56	13.86	8.24	5.35	6.53	10.51	5.16	6.84
14	14.85	20.44	16.87	13.47	12.17	14.07	7.96	5.29	8.20	10.12	5.16	6.88
15	14.66	20.18	16.78	13.26	12.74	14.30	7.71	5.26	9.39	9.61	5.09	6.88
16	14.45	19.93	16.63	13.04	13.48	14.29	7.50	5.22	10.17	9.16	5.00	6.74
17	14.24	19.68	16.44	12.79	13.92	14.25	7.31	5.52	10.16	8.77	4.92	6.55
18	14.02	19.43	16.26	12.42	13.97	14.18	7.09	5.99	11.65	8.70	4.87	6.36
19	13.81	19.20	16.09	11.89	13.85	14.16	6.91	6.02	12.35	8.44	4.81	6.19
20	13.63	18.98	15.92	11.35	13.69	14.08	6.79	5.93	12.53	8.24	4.93	6.03
21	13.45	18.75	15.74	10.89	14.46	13.94	6.75	5.82	12.09	7.92	5.52	5.96
22	13.25	18.53	15.57	10.41	15.83	13.74	6.66	5.72	11.47	7.61	5.61	6.37
23	13.03	18.31	15.39	9.95	16.49	13.53	6.54	5.60	10.78	7.33	5.54	6.52
24	12.78	18.09	15.30	9.58	16.63	13.29	6.46	5.49	10.12	7.07	5.52	6.55
25	12.85	17.88	15.19	9.27	16.52	13.03	6.41	5.51	9.52	6.84	5.57	6.50
26	13.72	17.66	15.10	9.05	16.36	13.00	6.16	5.46	9.05	6.71	5.46	6.41
27	15.08	17.45	14.97	8.93	16.25	13.27	6.03	5.45	8.59	6.57	5.28	6.37
28	17.19	17.23	14.81	8.77	16.15	13.58	5.94	5.43	8.18	6.39	5.33	6.30
29	18.81	17.02	14.63	9.12	---	13.57	5.75	5.37	7.93	6.18	5.55	6.11
30	19.75	16.81	14.45	10.99	---	13.40	5.67	5.31	7.84	5.98	5.69	5.89
31	19.87	---	14.72	12.38	---	13.18	---	5.16	---	5.81	5.68	---
MAX	19.87	23.12	17.82	15.46	16.63	16.00	12.90	6.02	12.53	10.79	5.69	6.88
MIN	6.16	16.81	14.45	8.77	11.45	13.00	5.67	5.16	4.92	5.81	4.81	5.33

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW ¼ NW ¼ 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 NGVD of 1929. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi upstream from base at same datum.

REMARKS--Records good except below 100 cfs, which are poor. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station.

AVERAGE DISCHARGE.--57 years, 1,100 ft³/s, 796,950 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft³/s, May 21, 1953; maximum gage height, 35.29 ft, May 22, 1953; no flows at times; maximum negative discharge, -307 ft³/s, June 6, 2001; minimum gage height, 10.72 ft, Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,290 ft³/s, Nov. 13; aximum gage height, 29.48 ft, Nov. 7; no flow at times during year; minimum gage height, 17.55 ft, Jan. 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	4,690	e3,150	e2,400	1,670	3,770	1,350	196	106	393	138	218
2	435	4,320	e3,000	2,830	1,530	3,670	1,200	172	159	454	182	187
3	1,030	4,390	e2,900	2,830	1,370	3,530	1,050	148	550	420	189	396
4	2,820	4,420	e2,800	2,730	1,190	3,330	943	131	443	348	158	458
5	3,040	4,410	e2,900	2,460	1,030	3,070	935	132	393	790	158	619
6	3,100	4,480	3,070	2,090	1,200	2,780	1,140	142	995	1,630	151	453
7	3,120	4,650	3,250	1,790	2,690	2,510	1,030	126	577	1,460	79	394
8	3,470	4,880	3,410	1,540	2,670	2,250	1,590	92	399	1,070	243	304
9	3,450	5,030	3,460	1,350	2,390	1,960	1,850	139	e270	1,530	176	265
10	3,470	5,080	3,400	1,260	2,220	1,700	1,260	127	e200	1,530	122	259
11	3,380	5,120	3,290	1,170	1,940	1,510	839	155	e150	1,600	91	243
12	3,330	5,160	3,090	1,120	1,630	1,360	657	159	e300	1,450	70	390
13	3,230	5,210	3,010	1,010	1,380	1,490	546	91	609	1,120	76	1,130
14	2,910	5,190	2,960	961	1,210	2,740	506	110	719	988	144	1,150
15	2,510	5,120	2,840	935	1,380	2,850	581	162	1,230	902	180	799
16	2,140	5,090	2,630	817	2,680	2,700	548	76	2,180	859	124	599
17	1,900	5,060	2,370	788	2,780	2,700	576	130	2,320	730	102	487
18	1,560	5,000	2,040	775	2,630	2,580	501	224	2,570	1,270	122	430
19	1,350	4,980	1,790	698	2,370	2,340	474	e200	2,570	950	95	397
20	1,320	4,930	2,070	656	1,930	2,180	489	e160	2,230	971	61	378
21	1,270	4,840	1,990	612	2,280	2,000	418	183	1,850	705	57	339
22	1,420	4,700	1,860	572	2,620	1,770	286	271	1,520	526	60	336
23	1,510	4,500	e2,000	519	2,940	1,520	273	183	1,320	466	42	394
24	1,620	4,330	2,120	464	e3,300	1,360	281	94	986	366	29	416
25	e2,100	4,180	2,360	484	e3,500	1,200	224	99	709	331	60	380
26	e2,400	e3,900	2,240	475	e3,600	1,570	235	151	477	282	79	397
27	e2,800	e3,750	1,990	412	3,800	2,390	207	135	690	238	46	338
28	e3,300	e3,600	e1,750	411	3,820	2,370	167	126	523	209	79	326
29	3,890	e3,450	e1,700	545	---	2,170	198	74	378	231	121	320
30	4,190	e3,300	e1,800	1,620	---	1,810	230	82	427	139	e150	393
31	4,490	---	e2,000	1,860	---	1,560	---	99	---	86	218	---
TOTAL	76,920	137,760	79,240	38,184	63,750	70,740	20,584	4,369	27,850	24,044	3,602	13,195
MEAN	2,481	4,592	2,556	1,232	2,277	2,282	686	141	928	776	116	440
MAX	4,490	5,210	3,460	2,830	3,820	3,770	1,850	271	2,570	1,630	243	1,150
MIN	365	3,300	1,700	411	1,030	1,200	167	74	106	86	29	187
AC-FT	152,600	273,200	157,200	75,740	126,400	140,300	40,830	8,670	55,240	47,690	7,140	26,170

e Estimated

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.66	27.63	---	---	19.47	25.94	19.45	18.61	18.45	18.26	18.56	18.46
2	18.45	27.43	---	23.96	19.00	25.47	19.18	18.58	18.44	18.70	18.52	18.51
3	18.74	27.26	---	23.61	18.59	24.92	19.06	18.55	18.96	18.66	18.50	18.61
4	21.85	27.58	---	22.87	18.25	24.31	19.04	18.55	19.10	18.61	18.47	18.77
5	22.56	28.45	---	21.97	18.02	23.63	19.04	18.65	18.86	18.88	18.44	19.12
6	22.87	29.26	25.31	20.87	19.05	22.94	19.26	18.60	19.37	19.83	18.47	19.02
7	23.12	29.45	25.35	19.72	23.10	22.27	18.87	18.51	18.78	19.72	18.35	18.76
8	23.17	29.41	25.08	19.08	23.40	21.52	20.57	18.58	18.68	19.16	18.56	18.53
9	22.85	29.23	24.70	18.98	22.77	20.65	21.07	18.61	---	19.71	18.55	18.52
10	22.70	29.06	24.34	18.82	21.84	19.98	19.72	18.55	---	19.71	18.43	18.56
11	22.30	29.18	23.87	18.79	20.81	19.67	19.07	18.63	---	19.76	18.42	18.51
12	21.95	29.06	23.28	18.59	19.86	19.48	18.79	18.54	---	19.66	18.27	18.54
13	21.55	28.87	23.33	18.37	19.11	19.89	18.67	18.58	18.94	19.12	18.44	19.53
14	20.99	28.71	23.34	18.55	18.46	23.08	18.64	18.69	19.17	19.18	18.55	19.35
15	20.47	28.58	22.93	18.07	19.06	23.37	18.69	18.57	19.35	18.99	18.43	18.96
16	20.06	28.44	22.33	17.96	23.05	22.96	18.66	18.49	20.53	18.98	18.40	18.73
17	19.66	28.27	21.51	18.20	23.33	22.72	18.62	18.62	20.91	18.76	18.52	18.66
18	19.32	28.12	20.49	18.36	22.79	22.24	18.70	18.52	21.24	19.28	18.53	18.56
19	19.15	27.97	19.64	18.35	21.72	21.60	18.76	---	21.38	18.94	18.36	18.56
20	19.08	27.79	19.70	18.24	20.45	21.07	18.77	---	20.86	18.92	18.41	18.60
21	19.01	27.57	19.58	18.09	24.85	20.42	18.72	18.58	20.25	18.74	18.46	18.48
22	19.18	27.31	19.21	17.93	27.54	19.85	18.57	18.63	20.27	18.68	18.29	18.41
23	19.14	26.96	---	17.78	27.88	19.46	18.53	18.58	19.57	18.61	18.41	18.59
24	18.97	26.57	20.27	17.66	---	19.29	18.45	18.57	18.91	18.56	18.50	18.56
25	---	26.16	21.72	17.86	---	19.19	18.62	18.55	18.69	18.54	18.49	18.51
26	---	---	21.38	17.63	---	19.80	18.61	18.56	18.82	18.49	18.35	18.57
27	---	---	20.76	17.74	26.64	21.36	18.62	18.52	19.08	18.56	18.41	18.46
28	---	---	---	17.74	26.30	21.34	18.63	18.52	18.45	18.43	18.50	18.52
29	26.52	---	---	17.85	---	20.81	18.64	18.53	18.48	18.44	18.49	18.55
30	27.37	---	18.61	19.79	---	20.09	18.64	18.53	18.32	18.45	---	18.63
31	27.65	---	---	20.07	---	19.65	---	18.50	---	18.42	18.53	---
MAX	---	---	---	---	---	25.94	21.07	---	---	19.83	---	19.53
MIN	---	---	---	---	---	19.19	18.45	---	---	18.26	---	18.41

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 NGVD of 1929 (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.--Records good. 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 Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Satellite telemetry at station.

AVERAGE DISCHARGE.--60 years, 591 ft³/s, 315,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s, May 18, 1953, gage height, 22.68 ft, present datum; minimum, 2.7 ft³/s, Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,370 ft³/s, Nov. 5, gage height, 19.61 ft; minimum discharge, 20 ft³/s, May 12, gage height, 1.39 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	1,670	984	e977	792	1,420	334	37	39	259	116	127
2	107	1,670	928	981	741	1,380	249	55	41	246	113	142
3	235	1,780	886	969	655	1,300	209	71	66	279	116	e290
4	918	2,170	e1,160	978	503	1,220	197	74	95	202	122	390
5	758	2,270	1,330	963	450	1,170	190	84	136	269	102	535
6	767	2,260	1,180	927	e555	1,110	200	77	343	417	85	474
7	847	2,190	1,200	876	e860	e1,070	207	77	213	490	85	346
8	842	2,150	1,210	821	e803	1,000	292	57	149	445	80	245
9	818	2,150	1,210	760	750	944	294	48	81	528	84	166
10	827	2,140	1,200	678	750	879	216	39	68	518	74	115
11	818	2,120	1,170	507	707	816	157	27	58	538	56	98
12	812	2,100	1,120	357	675	749	152	22	103	454	45	137
13	797	2,080	1,180	269	590	e835	184	78	470	382	43	434
14	766	2,050	1,160	219	453	e1,080	205	106	938	472	53	478
15	715	1,990	1,130	193	e637	943	176	131	e934	370	67	376
16	621	1,930	e1,060	178	e1,060	878	133	145	e1,000	292	63	266
17	445	1,890	1,030	165	e990	941	116	148	e910	236	57	189
18	305	1,840	982	154	929	894	134	232	e1,060	487	58	149
19	217	1,800	946	147	887	888	124	274	e1,090	481	61	126
20	169	1,740	916	143	848	860	117	236	925	416	60	123
21	149	1,680	870	138	e1,440	838	122	179	843	329	64	118
22	143	1,620	827	133	1,540	797	113	134	789	282	110	111
23	156	1,530	786	127	1,410	742	113	107	731	247	117	126
24	158	1,450	e963	120	1,370	636	115	92	648	212	117	142
25	e462	1,370	e910	113	1,370	450	107	76	493	193	113	131
26	1,360	1,290	865	111	1,400	486	106	52	372	184	108	114
27	1,410	1,220	822	112	1,500	760	106	64	310	173	113	105
28	1,620	1,160	774	137	1,440	740	112	88	255	165	107	100
29	1,720	1,100	712	270	---	718	113	110	237	147	101	97
30	1,760	1,040	584	e987	---	641	72	88	242	135	93	104
31	1,700	---	e958	870	---	e468	---	53	---	125	106	---
TOTAL	22,529	53,450	31,053	14,380	26,105	27,653	4,965	3,061	13,639	9,973	2,689	6,354
MEAN	727	1,782	1,002	464	932	892	166	98.7	455	322	86.7	212
MAX	1,760	2,270	1,330	987	1,540	1,420	334	274	1,090	538	122	535
MIN	107	1,040	584	111	450	450	72	22	39	125	43	97
AC-FT	44,690	106,000	61,590	28,520	51,780	54,850	9,850	6,070	27,050	19,780	5,330	12,600
CAL YR	2002	TOTAL	204,020	MEAN	559	MAX	2,270	MIN	35	AC-FT	404,700	
WTR YR	2003	TOTAL	215,851	MEAN	591	MAX	2,270	MIN	22	AC-FT	428,100	

e Estimated

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.23	12.68	8.49	9.46	7.50	10.88	4.48	1.63	1.58	3.76	2.39	2.46
2	2.23	12.29	8.19	8.54	7.21	10.49	3.78	1.84	1.60	3.64	2.36	2.61
3	3.33	12.83	7.96	8.48	6.70	10.11	3.42	2.01	1.89	3.92	2.40	---
4	8.13	17.50	10.80	8.52	5.71	9.76	3.30	2.05	2.21	3.23	2.45	4.77
5	7.22	19.11	13.04	8.45	5.35	9.52	3.23	2.16	2.60	3.83	2.24	5.81
6	7.27	18.92	10.66	8.25	6.84	9.38	3.33	2.08	4.48	5.02	2.05	5.39
7	7.73	17.55	9.83	7.98	9.68	8.99	3.39	2.08	3.38	5.55	2.05	4.43
8	7.71	16.24	9.67	7.67	7.83	8.66	4.14	1.86	2.77	5.22	2.00	3.57
9	7.57	15.29	9.64	7.32	7.26	8.34	4.16	1.76	2.06	5.80	2.04	2.82
10	7.62	14.74	9.60	6.83	7.26	7.99	3.48	1.65	1.91	5.73	1.93	2.32
11	7.57	14.45	9.44	5.74	7.01	7.64	2.93	1.50	1.80	5.87	1.73	2.14
12	7.53	14.16	9.22	4.66	6.82	7.26	2.87	1.43	2.23	5.29	1.61	2.53
13	7.45	13.91	10.25	3.95	6.28	8.07	3.17	2.08	5.36	4.76	1.57	5.07
14	7.26	13.68	9.69	3.50	5.37	9.74	3.38	2.38	8.28	5.41	1.69	5.41
15	6.96	13.47	9.26	3.26	7.03	8.34	3.10	2.64	8.42	4.67	1.85	4.66
16	6.37	13.23	9.02	3.12	10.20	7.99	2.69	2.77	8.98	4.03	1.79	3.76
17	5.17	13.01	8.76	3.00	8.64	8.33	2.51	2.79	8.12	3.55	1.73	3.05
18	4.09	12.76	8.48	2.90	8.27	8.08	2.70	3.57	9.09	5.48	1.75	2.66
19	3.31	12.49	8.28	2.83	8.04	8.04	2.60	3.93	9.69	5.48	1.76	2.42
20	2.86	12.21	8.12	2.79	7.82	7.89	2.52	3.59	8.19	5.02	1.76	2.39
21	2.67	11.91	7.86	2.74	14.94	7.76	2.57	3.06	7.74	4.34	1.79	2.33
22	2.61	11.58	7.62	2.69	16.98	7.53	2.48	2.63	7.43	3.95	2.31	2.25
23	2.73	11.20	7.38	2.63	14.17	7.21	2.48	2.34	7.09	3.65	2.38	2.42
24	2.75	10.81	9.50	2.55	12.04	6.58	2.51	2.18	6.58	3.33	2.38	2.59
25	4.99	10.42	8.51	2.48	11.20	5.34	2.41	2.00	5.56	3.14	2.33	2.48
26	12.01	10.07	7.84	2.45	11.16	5.55	2.41	1.73	4.68	3.06	2.27	2.29
27	13.53	9.73	7.59	2.47	12.44	7.32	2.40	1.87	4.19	2.95	2.32	2.19
28	15.87	9.40	7.31	2.73	11.43	7.20	2.46	2.13	3.73	2.88	2.26	2.14
29	16.18	9.08	6.94	3.86	---	7.08	2.48	2.38	3.56	2.71	2.19	2.11
30	15.57	8.79	6.13	9.04	---	6.61	2.02	2.13	3.60	2.59	2.09	2.19
31	13.61	---	9.35	7.94	---	---	---	1.75	---	2.49	2.23	---
MAX	16.18	19.11	13.04	9.46	16.98	10.88	4.48	3.93	9.69	5.87	2.45	5.81
MIN	2.23	8.79	6.13	2.45	5.35	---	2.02	1.43	1.58	2.49	1.57	2.11

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'57", long 91°49'53", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 6 S., R. 6 E., St. Landry Parish, Hydrologic Unit 08080101, on downstream side of bridge on U.S. Highway 71, 1.7 mi upstream from Slow Bayou, 2.0 mi northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft above NGVD 29. Crest-stage gage prior to 1967 at datum 2.55 ft lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft, May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 15.02 ft, June 22, but may have been higher during period when bridge was out; minimum recorded gage height, 10.43 ft, Aug. 24, 28.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								12.06	11.85	13.60	11.59	10.82
2								11.97	11.98	13.53	11.50	10.93
3								11.89	12.22	13.49	11.42	10.97
4								11.80	12.40	13.47	11.33	11.02
5								11.72	12.56	13.65	11.25	11.05
6								11.66	12.87	13.67	11.23	11.02
7								11.66	13.20	13.65	11.24	10.99
8								11.64	13.16	13.61	11.23	10.93
9								11.59	13.10	13.53	11.17	10.87
10								11.52	13.05	13.48	11.08	10.81
11								11.46	12.98	13.46	10.97	10.76
12								11.40	12.92	13.44	10.89	10.78
13								11.34	12.89	13.42	10.82	11.09
14								11.28	13.02	13.27	10.77	11.92
15								11.24	13.70	13.12	10.74	12.55
16								11.19	14.23	12.97	10.71	12.63
17								11.13	14.40	12.82	10.67	12.55
18								11.08	14.86	12.71	10.64	12.43
19								11.05	14.79	12.65	10.63	12.29
20								11.05	14.66	12.60	10.59	12.14
21								11.07	14.60	12.53	10.55	12.02
22								11.09	14.93	12.47	10.52	12.00
23								11.10	14.80	12.41	10.48	11.88
24								11.11	14.41	12.41	10.45	11.74
25								11.11	14.04	12.36	10.45	11.59
26								11.17	13.84	12.25	10.46	11.45
27								11.36	13.72	12.13	10.45	11.33
28								11.47	13.68	12.00	10.44	11.21
29								11.50	13.61	11.85	10.46	11.08
30							12.15	11.58	13.61	11.70	10.54	10.97
31							---	11.73	---	11.59	10.65	---
MAX							---	12.06	14.93	13.67	11.59	12.63
MIN							---	11.05	11.85	11.59	10.44	10.76

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 NGVD of 1929. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated mean daily discharges which are poor. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi², into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion freshwater diversion canal operational during the year anytime the flow in Bayou Courtableau does not bypass by way of the Courtableau Weirs near Krotz Springs.

AVERAGE DISCHARGE.--54 years, 904 ft³/s, 654,948 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s, May 24, 1953; maximum elevation, 24.27 ft, May 23, 1953; minimum discharge, 53 ft³/s, Aug. 12, 1965, minimum elevation, 6.78 ft, Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,780 ft³/s, Feb. 21, maximum elevation, 21.63 ft, Feb. 22; minimum discharge, 497 ft³/s, Dec. 30, minimum elevation, 12.77 ft, Feb. 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	996	1,330	799	1,170	865	1,830	943	897	844	907	965	971
2	984	1,300	795	1,100	802	1,650	934	894	843	961	970	967
3	1,280	e1,500	693	988	765	1,480	925	886	897	974	963	975
4	1,580	1,610	1,160	895	752	1,360	935	882	922	1,010	959	975
5	1,370	1,910	1,510	809	743	1,280	945	894	910	1,010	951	1,010
6	1,170	1,810	1,450	721	951	1,230	958	890	921	1,020	e945	1,030
7	1,010	1,820	1,320	626	1,410	1,180	922	877	911	1,010	942	1,000
8	981	1,830	1,170	561	1,370	1,130	1,260	873	852	994	953	989
9	1,010	1,760	1,070	567	1,250	1,060	1,300	887	828	1,020	970	986
10	1,020	1,720	990	574	1,140	1,010	1,090	875	835	1,020	954	980
11	919	1,680	916	580	1,020	994	989	881	823	1,000	952	982
12	843	1,600	873	576	922	982	962	872	842	1,020	934	1,000
13	788	1,520	937	544	852	1,050	950	867	857	979	944	1,100
14	731	1,440	930	579	794	1,370	942	884	910	989	966	1,080
15	699	1,400	875	544	995	1,330	917	879	973	988	958	1,010
16	708	1,360	816	510	1,480	1,250	910	857	990	982	944	972
17	714	1,320	753	537	1,410	1,250	899	868	938	977	959	969
18	704	1,290	680	569	1,260	1,190	906	858	947	988	968	961
19	706	1,270	609	588	1,120	1,160	920	869	1,050	980	952	958
20	710	1,270	577	584	991	1,090	923	866	1,060	953	948	962
21	703	1,240	570	573	2,230	1,020	924	859	1,030	949	961	964
22	725	1,200	545	552	1,880	983	907	867	1,030	959	942	975
23	720	1,170	545	529	1,330	956	896	864	1,020	968	941	968
24	685	1,140	739	512	1,220	952	888	863	966	955	958	963
25	725	1,110	811	531	1,170	954	895	861	960	968	966	951
26	1,270	1,080	769	528	1,150	954	907	861	1,010	968	951	959
27	e1,150	1,030	693	520	1,190	1,010	903	856	1,030	975	952	949
28	1,120	945	630	663	1,480	1,020	904	852	965	960	965	947
29	1,230	876	569	798	---	981	905	853	952	950	973	950
30	1,240	830	517	878	---	954	903	865	942	956	962	959
31	1,300	---	893	908	---	946	---	853	---	951	972	---
TOTAL	29,791	41,361	26,204	20,614	32,542	35,606	28,562	27,010	28,058	30,341	29,640	29,462
MEAN	961	1,379	845	665	1,162	1,149	952	871	935	979	956	982
MAX	1,580	1,910	1,510	1,170	2,230	1,830	1,300	897	1,060	1,020	973	1,100
MIN	685	830	517	510	743	946	888	852	823	907	934	947
AC-FT	59,090	82,040	51,980	40,890	64,550	70,620	56,650	53,570	55,650	60,180	58,790	58,440

e Estimated

07385500 BAYOU TECHE AT ARNAUDVILLE, LA—Continued

 ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.90	19.06	14.17	15.73	13.33	17.33	13.84	13.78	13.67	13.52	13.77	13.79
2	13.85	18.43	14.15	15.44	13.05	16.62	13.81	13.76	13.68	13.75	13.79	13.78
3	15.09	17.80	13.71	15.00	12.89	15.94	13.77	13.73	13.91	13.81	13.76	13.81
4	16.56	17.41	15.67	14.60	12.84	15.43	13.82	13.72	14.03	13.97	13.74	13.81
5	15.97	18.50	17.03	14.22	12.80	15.13	13.87	13.78	13.98	13.95	13.71	13.96
6	15.44	19.27	16.82	13.83	13.69	14.92	13.93	13.76	14.03	13.99	---	14.03
7	15.06	19.14	16.31	13.41	15.62	14.74	13.77	13.71	13.99	13.98	13.69	13.92
8	14.96	18.85	15.73	13.11	15.45	14.51	15.14	13.70	13.74	13.89	13.71	13.87
9	15.08	18.43	15.32	13.14	14.95	14.26	15.31	13.76	13.64	14.01	13.79	13.85
10	15.14	17.98	15.00	13.17	14.49	14.04	14.52	13.72	13.67	13.98	13.72	13.83
11	14.70	17.68	14.69	13.20	14.00	13.96	14.08	13.75	13.63	13.93	13.71	13.84
12	14.37	17.37	14.50	13.18	13.58	13.92	13.97	13.71	13.71	14.01	13.64	13.93
13	14.12	17.06	14.78	13.03	13.28	14.22	13.92	13.69	13.79	13.83	13.68	14.32
14	13.88	16.78	14.75	13.20	13.02	15.54	13.89	13.77	14.02	13.87	13.77	14.27
15	13.74	16.62	14.51	13.03	13.88	15.35	13.79	13.76	14.29	13.86	13.74	13.94
16	13.78	16.46	14.25	12.86	15.91	15.04	13.76	13.66	14.37	13.84	13.68	13.80
17	13.80	16.30	13.97	12.99	15.61	15.03	13.72	13.72	14.15	13.82	13.74	13.78
18	13.76	16.20	13.66	13.15	14.99	14.82	13.75	13.68	14.03	13.86	13.78	13.75
19	13.77	16.12	13.34	13.24	14.41	14.69	13.82	13.73	14.11	13.83	13.71	13.74
20	13.79	16.12	13.19	13.22	13.88	14.42	13.84	13.72	14.18	13.72	13.70	13.76
21	13.75	15.99	13.15	13.17	18.46	14.14	13.85	13.70	14.02	13.70	13.75	13.76
22	13.85	15.84	13.04	13.07	21.55	13.96	13.78	13.73	14.05	13.74	13.67	13.81
23	13.83	15.72	13.03	12.96	21.39	13.86	13.73	13.72	13.99	13.78	13.66	13.78
24	13.68	15.61	13.91	12.87	20.98	13.84	13.70	13.72	13.77	13.73	13.74	13.76
25	13.83	15.49	14.22	12.96	20.39	13.86	13.74	13.72	13.75	13.78	13.77	13.71
26	16.11	15.35	14.04	12.95	19.65	13.86	13.80	13.73	13.97	13.78	13.71	13.74
27	17.91	15.16	13.71	12.91	18.90	14.10	13.78	13.70	14.04	13.81	13.71	13.70
28	19.54	14.81	13.43	13.02	18.10	14.16	13.79	13.69	13.77	13.74	13.77	13.69
29	20.03	14.51	13.15	13.04	---	13.99	13.80	13.70	13.71	13.70	13.80	13.70
30	20.01	14.31	12.90	13.39	---	13.88	13.79	13.76	13.67	13.73	13.76	13.74
31	19.60	---	14.57	13.52	---	13.84	---	13.71	---	13.71	13.80	---
MAX	20.03	19.27	17.03	15.73	21.55	17.33	15.31	13.78	14.37	14.01	---	14.32
MIN	13.68	14.31	12.90	12.86	12.80	13.84	13.70	13.66	13.63	13.52	---	13.69

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM NEAR ST. MARTINVILLE, LA

LOCATION.--Lat 30°04'15", long 91°49'45", on line between secs. 8 and 17, T. 11 S., R. 6 E., St. Martin Parish, Hydrologic Unit 08080102, on right bank of concrete lock and dam, 3.5 mi south of St. Martinville, and 11 mi upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

GAGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft below NGVD of 1929. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharge. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion freshwater diversion operational during the year anytime the flow in Bayou Courtableau does not bypass by way of Courtableau weirs near Krotz Springs. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water from irrigation is diverted through Ruth Canal (Station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957.

AVERAGE DISCHARGE.--44 years, 484 ft³/s, 350,658 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s, Sept. 5, 1973, maximum gage height, 16.15 ft, Oct. 23, 1984; minimum discharge, no flow at times in 1962-64, 1972, and 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft, May 27, 1927; minimum, 0.75 ft, July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,550 ft³/s, Oct. 29, gage height, 12.10 ft; minimum discharge, 206 ft³/s, Aug. 8, 9, 23, gage height, 10.00 ft, May 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	426	1,420	435	700	370	1,170	299	302	259	275	240	312
2	444	1,320	425	700	338	1,050	308	300	367	251	249	266
3	1,160	1,220	412	642	317	946	302	297	510	261	248	259
4	1,070	1,170	636	578	318	854	312	284	349	275	242	258
5	874	1,470	883	523	299	786	366	287	311	337	245	250
6	788	1,460	857	470	352	770	336	268	789	356	261	261
7	729	1,380	805	407	621	764	700	260	646	310	225	275
8	683	1,340	733	357	686	713	1,180	254	307	359	210	453
9	866	1,270	656	336	650	679	948	262	253	439	214	469
10	810	1,200	616	351	589	642	793	262	248	347	222	328
11	698	1,130	573	338	509	575	693	273	482	349	215	368
12	636	1,070	541	340	442	477	653	262	335	387	248	398
13	600	1,030	547	330	386	503	638	247	312	325	222	653
14	484	990	558	327	354	657	531	245	384	298	242	479
15	331	971	535	330	944	693	354	255	443	298	231	375
16	311	923	498	317	982	699	331	245	532	292	220	329
17	310	895	458	317	773	731	330	255	412	302	223	313
18	310	876	412	322	679	647	316	267	358	328	228	307
19	313	864	381	341	591	614	318	256	404	322	224	302
20	319	960	344	344	524	579	325	253	458	298	215	301
21	317	877	326	348	1,050	540	327	250	462	266	220	308
22	315	824	330	349	1,920	500	313	253	370	314	219	414
23	329	805	464	323	1,850	473	306	254	357	321	213	349
24	326	795	664	298	1,800	449	300	256	330	269	217	324
25	401	777	525	303	1,740	451	314	263	311	277	224	315
26	774	764	494	322	1,610	468	308	274	343	314	231	311
27	1,470	721	446	310	1,460	443	300	273	353	296	229	319
28	1,810	558	400	312	1,310	361	304	267	334	272	241	303
29	1,900	495	361	325	---	339	311	293	294	248	255	284
30	1,600	466	327	353	---	313	315	351	297	243	277	284
31	1,530	---	579	379	---	294	---	264	---	249	286	---
TOTAL	22,934	30,041	16,221	11,992	23,464	19,180	13,131	8,332	11,610	9,478	7,236	10,167
MEAN	740	1,001	523	387	838	619	438	269	387	306	233	339
MAX	1,900	1,470	883	700	1,920	1,170	1,180	351	789	439	286	653
MIN	310	466	326	298	299	294	299	245	248	243	210	250
AC-FT	45,490	59,590	32,170	23,790	46,540	38,040	26,050	16,530	23,030	18,800	14,350	20,170

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM NEAR ST. MARTINVILLE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.28	11.19	10.27	10.62	10.25	11.06	10.10	10.11	10.06	10.09	10.05	10.17
2	10.31	11.11	10.26	10.62	10.21	10.95	10.11	10.11	10.18	10.06	10.06	10.11
3	11.03	11.03	10.25	10.56	10.18	10.86	10.10	10.10	10.38	10.07	10.06	10.10
4	10.96	10.99	10.51	10.48	10.17	10.77	10.11	10.09	10.19	10.09	10.05	10.10
5	10.78	11.23	10.77	10.42	10.15	10.70	10.19	10.09	10.13	10.18	10.06	10.08
6	10.69	11.23	10.75	10.36	10.22	10.67	10.15	10.06	10.66	10.20	10.09	10.10
7	10.63	11.17	10.70	10.28	10.54	10.66	10.54	10.05	10.53	10.14	10.04	10.12
8	10.58	11.14	10.62	10.22	10.61	10.61	11.04	10.04	10.13	10.20	10.02	10.36
9	10.76	11.08	10.55	10.19	10.57	10.58	10.83	10.05	10.05	10.31	10.03	10.38
10	10.71	11.02	10.51	10.21	10.51	10.54	10.67	10.05	10.04	10.19	10.04	10.20
11	10.60	10.97	10.46	10.20	10.41	10.46	10.57	10.07	10.34	10.19	10.03	10.25
12	10.53	10.91	10.42	10.20	10.33	10.34	10.53	10.05	10.17	10.25	10.08	10.29
13	10.49	10.87	10.43	10.19	10.26	10.38	10.51	10.03	10.13	10.16	10.04	10.58
14	10.35	10.84	10.44	10.19	10.21	10.55	10.39	10.03	10.23	10.13	10.07	10.39
15	10.16	10.83	10.41	10.19	10.78	10.59	10.17	10.04	10.30	10.13	10.05	10.26
16	10.13	10.78	10.37	10.17	10.90	10.59	10.14	10.03	10.41	10.12	10.04	10.20
17	10.13	10.76	10.32	10.17	10.69	10.62	10.14	10.04	10.27	10.13	10.04	10.18
18	10.13	10.74	10.27	10.18	10.59	10.53	10.12	10.06	10.20	10.17	10.05	10.17
19	10.14	10.73	10.24	10.20	10.50	10.49	10.12	10.04	10.25	10.16	10.04	10.16
20	10.14	10.82	10.19	10.21	10.42	10.45	10.14	10.04	10.32	10.12	10.03	10.16
21	10.14	10.74	10.16	10.21	10.93	10.41	10.15	10.03	10.33	10.08	10.03	10.17
22	10.14	10.70	10.17	10.22	11.66	10.36	10.13	10.04	10.21	10.14	10.03	10.31
23	10.15	10.68	10.33	10.18	11.60	10.33	10.12	10.04	10.20	10.16	10.02	10.23
24	10.14	10.67	10.57	10.15	11.56	10.30	10.11	10.04	10.16	10.08	10.03	10.19
25	10.22	10.65	10.41	10.16	11.51	10.30	10.13	10.05	10.13	10.10	10.04	10.18
26	10.64	10.63	10.37	10.19	11.42	10.32	10.12	10.07	10.18	10.16	10.05	10.17
27	11.22	10.59	10.32	10.17	11.30	10.28	10.11	10.07	10.19	10.13	10.05	10.19
28	11.51	10.42	10.26	10.18	11.18	10.18	10.11	10.06	10.16	10.10	10.07	10.16
29	11.85	10.35	10.21	10.19	---	10.15	10.12	10.11	10.11	10.06	10.09	10.14
30	11.45	10.31	10.17	10.23	---	10.12	10.13	10.19	10.12	10.05	10.12	10.14
31	11.28	---	10.48	10.27	---	10.09	---	10.07	---	10.06	10.14	---
MAX	11.85	11.23	10.77	10.62	11.66	11.06	11.04	10.19	10.66	10.31	10.14	10.58
MIN	10.13	10.31	10.16	10.15	10.15	10.09	10.10	10.03	10.04	10.05	10.02	10.08

07385765 BAYOU TECHE NEAR JEANERETTE, LA

LOCATION.--Lat 29°52'45", long 91°35'10", on line between secs. 37 and 38, T. 13 S., R. 9 E., St. Mary Parish, Hydrologic Unit 08080102, at upstream side of bridge at Adeline, 3.0 miles southeast of Jeanerette and 3.0 miles northwest of Charenton Diversion Canal, off of Hwy. 182.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1993 to September 1996 (fragmentary gage-height records), October 1996 to current year.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--No estimated daily discharge. Records poor. Discharges are affected by tide at all stages. Reverse flow and no flow at times during year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,950 ft³/s, Apr. 28, 1998; maximum gage height, 4.64 ft, Oct. 25, 1997; no flow at times during year; maximum negative daily discharge, -122 ft³/s, Apr. 23, 2000; minimum gage height, -0.52 ft, Oct. 9, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,600 ft³/s, Apr. 8; maximum gage height, 4.33 ft, Oct. 3; minimum daily discharge, 19 ft³/s, June 30, minimum gage height, -0.12 ft, Jan. 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	338	782	424	379	349	745	214	299	221	114	141	198
2	254	754	351	531	319	665	242	330	118	130	102	249
3	1,010	646	306	635	271	---	170	313	569	137	149	271
4	958	675	416	361	367	---	194	140	491	356	112	303
5	524	1,080	811	346	297	441	254	89	332	110	144	267
6	478	1,000	612	460	230	642	208	207	421	118	218	223
7	464	755	709	533	511	718	728	238	653	81	301	164
8	430	693	713	464	484	458	1,600	255	436	166	295	239
9	949	634	659	342	430	440	1,130	252	350	273	170	294
10	825	609	702	377	562	449	781	189	340	163	239	302
11	592	603	490	353	450	490	710	294	826	162	239	240
12	511	665	524	339	442	427	829	352	238	245	287	244
13	508	629	644	313	329	463	749	278	118	132	274	795
14	426	571	677	316	260	504	692	203	181	56	293	539
15	336	561	578	290	558	498	578	209	240	134	244	457
16	264	617	536	223	1,030	374	369	175	303	148	167	440
17	186	573	412	273	673	518	403	140	501	241	186	358
18	184	527	327	246	541	350	406	292	527	455	221	323
19	173	533	303	319	441	435	336	218	626	260	185	325
20	213	705	468	293	444	456	456	189	732	156	193	290
21	314	675	314	242	531	547	488	248	650	182	235	177
22	275	574	333	334	732	492	421	295	453	131	178	636
23	207	507	526	422	710	423	363	216	334	283	136	545
24	262	441	978	274	647	332	213	172	404	365	140	264
25	318	415	575	241	764	303	338	158	357	274	129	263
26	832	439	504	257	754	406	444	163	292	198	138	158
27	593	471	571	246	789	340	324	288	171	236	140	243
28	692	405	553	224	801	232	277	202	282	198	166	383
29	1,090	292	410	243	---	---	285	225	203	132	203	315
30	899	393	304	301	---	---	238	239	19	138	165	286
31	792	---	665	321	---	292	---	188	---	140	235	---
TOTAL	15,897	18,224	16,395	10,498	14,716	---	14,440	7,056	11,388	5,914	6,025	9,791
MEAN	513	607	529	339	526	---	481	228	380	191	194	326

07385765 BAYOU TECHE NEAR JEANERETTE, LA—Continued

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.72	2.98	0.72	1.57	0.78	2.36	0.83	1.67	1.24	1.73	1.15	2.34
2	1.80	2.89	0.89	1.61	0.82	2.19	0.93	1.60	1.42	1.68	1.12	2.21
3	3.08	2.92	1.06	1.19	0.98	---	1.08	1.56	1.97	1.73	1.13	2.04
4	3.49	2.88	1.35	1.01	0.91	---	1.37	1.61	1.94	1.87	1.17	1.78
5	3.13	3.33	1.41	1.11	0.58	1.89	1.43	2.20	1.80	1.84	1.26	1.62
6	2.80	3.10	0.99	1.06	0.93	1.96	1.51	2.43	2.08	1.78	1.26	1.46
7	2.57	2.95	1.13	0.83	0.58	1.92	2.15	2.43	2.30	1.75	1.25	1.53
8	2.35	2.98	1.12	0.67	0.50	1.76	3.30	2.32	2.01	1.67	0.94	1.64
9	2.85	2.99	1.02	0.72	1.00	1.65	2.75	2.35	1.86	1.74	1.05	1.83
10	2.93	3.00	1.04	0.86	1.01	1.48	2.27	2.41	1.83	1.76	1.07	1.84
11	2.61	3.09	1.01	0.59	0.83	1.51	1.99	2.41	2.54	1.72	1.10	1.78
12	2.39	2.82	1.13	0.65	0.93	1.55	1.77	1.92	2.57	1.68	1.23	2.08
13	2.08	2.55	1.45	0.71	0.85	1.47	1.49	1.63	2.39	1.78	1.35	2.68
14	1.68	2.60	0.83	0.67	0.95	1.56	1.27	1.67	2.26	1.97	1.37	2.39
15	1.48	2.58	0.83	0.66	1.46	1.61	1.10	1.71	2.18	2.19	1.24	2.09
16	1.19	2.24	0.88	0.98	1.96	1.77	1.34	1.70	2.11	2.04	1.42	1.89
17	1.41	1.98	0.99	0.55	1.46	2.03	1.50	1.99	1.98	1.87	1.46	1.87
18	1.52	1.97	1.21	0.49	1.27	2.05	1.28	1.73	1.84	1.75	1.25	1.85
19	1.80	1.86	1.48	0.62	1.31	2.13	1.38	1.47	1.78	1.50	1.24	1.81
20	1.75	1.94	1.14	0.79	1.16	2.13	1.52	1.35	1.86	1.26	1.23	1.70
21	1.56	1.91	0.98	0.89	1.60	1.89	1.42	1.21	1.90	1.12	1.16	1.86
22	1.43	1.63	1.16	0.92	2.55	1.63	1.29	0.96	1.81	1.18	1.16	2.10
23	1.58	1.34	1.28	0.41	2.37	1.41	1.31	0.84	1.65	1.30	1.29	1.77
24	1.58	1.41	2.23	0.10	2.52	1.24	1.70	0.93	1.61	1.15	1.37	1.82
25	1.88	1.38	1.57	0.40	2.60	1.31	1.95	1.13	1.66	1.15	1.48	1.80
26	2.27	1.34	1.17	0.51	2.68	1.29	1.51	1.32	1.74	1.19	1.61	1.87
27	2.37	0.91	1.08	0.63	2.65	1.23	1.32	1.20	1.78	1.19	1.71	1.92
28	2.73	0.60	0.94	0.81	2.47	1.52	1.41	1.11	1.70	1.20	1.72	1.60
29	3.27	0.64	1.03	0.92	---	---	1.52	1.15	1.76	1.25	1.72	1.22
30	3.27	0.86	1.27	0.93	---	---	1.63	1.17	2.02	1.26	2.03	1.23
31	3.05	---	1.91	0.95	---	0.54	---	1.31	---	1.23	2.33	---
MAX	3.49	3.33	2.23	1.61	2.68	---	3.30	2.43	2.57	2.19	2.33	2.68
MIN	1.19	0.60	0.72	0.10	0.50	---	0.83	0.84	1.24	1.12	0.94	1.22

07385790 CHARENTON DRAINAGE CANAL AT BALDWIN, LA

LOCATION.--Lat 29°49'23", long 91°32'26", T. 14 S., R. 9 E., Sec. 13, St. Mary Parish, Hydrologic Unit 08080102, on the left bank of stream, on wing wall of Southern Pacific railroad bridge over Charenton Drainage Canal, 750 yards downstream of junction with Bayou Teche and six miles upstream of junction with Gulf Intracoastal Water Way.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1999 to current year. Records for 1999 W.Y. are available in Baton Rouge Field Office.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--No estimated daily discharge. Records fair. Discharges are affected by wind, tide, and boat traffic at all stages. Reverse flow and no flow at times during year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 14,900 ft³/s, Nov. 6, 2002; maximum elevation, 4.54 ft, Oct. 3, 2002; maximum negative discharge, -29,900 ft³/s, Oct. 3, 2002; minimum elevation, -0.95 ft, Jan. 30, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 14,900 ft³/s, Nov. 6; maximum elevation, 4.54 ft, Oct. 3; maximum negative discharge, -29,900 ft³/s, Oct. 3; minimum elevation, -0.36 ft, Jan. 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,840	12,700	1,640	7,830	2,210	9,930	-1,990	1,110	2,970	4,780	2,640	1,670
2	-653	11,900	-890	6,690	514	9,580	1,030	2,020	-1,040	2,250	2,030	4,540
3	-9,270	9,370	-65	7,450	-901	8,660	-1,460	1,870	3,850	1,100	1,550	5,750
4	2,250	10,300	1,930	2,160	6,250	5,300	-1,300	-3,700	7,520	4,090	1,430	6,120
5	8,940	9,450	8,940	2,260	1,860	4,100	2,230	-8,970	4,300	4,360	1,270	3,560
6	9,410	13,900	6,470	4,250	-1,440	6,870	-3,300	-5,820	2,850	5,170	1,790	2,350
7	7,990	12,000	3,460	4,290	8,190	6,720	3,090	-1,570	9,470	4,250	2,280	292
8	7,480	11,200	4,250	2,630	441	4,470	10,800	1,240	9,420	3,850	4,660	-1,220
9	7,180	10,800	4,380	-369	-3,590	5,110	13,600	1,010	7,670	2,830	-949	-3,380
10	7,660	10,300	4,360	4,290	5,560	3,020	11,500	-2,110	2,380	3,600	993	209
11	9,240	11,100	15	1,490	237	1,750	9,170	4,930	4,130	3,740	1,190	2,230
12	7,440	13,200	-483	1,260	1,490	1,810	8,030	9,550	6,930	4,030	-98	-1,290
13	7,990	12,100	3,300	1,010	763	4,540	6,490	6,230	6,970	-1,140	-19	3,730
14	6,890	9,510	6,160	1,940	-1,080	3,030	4,260	568	7,950	-3,020	2,560	8,900
15	4,980	9,750	976	606	1,240	2,780	2,180	1,030	7,120	-3,280	2,080	7,580
16	2,620	12,200	747	659	9,880	1,160	-2,840	-1,350	8,250	5,010	-390	5,200
17	-2,000	9,990	-1,080	7,070	10,300	3,510	1,970	-2,270	6,820	6,390	1,780	2,300
18	-1,550	7,590	-2,270	-1,450	4,770	1,660	3,110	6,810	5,720	7,030	4,440	2,350
19	-1,510	8,260	535	852	3,460	2,080	-1,820	3,890	4,940	5,650	1,530	2,290
20	2,430	7,850	6,750	-734	4,220	2,230	910	3,430	4,030	5,380	1,740	2,330
21	4,690	8,100	-146	-14	-3,320	7,740	5,600	5,110	5,250	3,210	2,920	-1,990
22	2,820	8,310	2,240	4,720	7,400	4,890	1,810	4,500	6,490	779	225	4,600
23	-164	5,550	-488	8,190	10,400	5,750	292	1,890	5,890	1,820	-429	5,240
24	1,370	3,920	3,940	188	11,300	1,810	-4,910	-335	3,280	3,810	55	-1,160
25	-1,090	3,270	9,100	-1,140	11,900	359	2,390	-1,040	2,380	2,460	-1,290	2,390
26	6,300	4,360	4,710	65	10,900	5,500	7,230	238	2,410	1,700	-979	-1,650
27	4,980	6,820	1,860	-484	11,500	-337	2,300	5,450	3,140	2,420	-791	1,310
28	7,270	4,310	2,140	-1,940	10,800	-1,430	119	810	4,250	1,210	637	6,530
29	9,610	-786	-1,150	-243	---	9,120	82	1,440	-974	605	---	3,620
30	11,700	887	-2,060	3,140	---	7,280	-161	841	2,460	1,380	---	1,250
31	13,400	---	3,310	1,380	---	-432	---	-173	---	2,020	-4,020	---
TOTAL	140,243	258,211	72,581	68,046	125,254	128,560	80,412	36,629	146,826	87,484	---	75,651
MEAN	4,524	8,607	2,341	2,195	4,473	4,147	2,680	1,182	4,894	2,822	---	2,522

07385790 CHARENTON DRAINAGE CANAL AT BALDWIN, LA—Continued

 ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.63	1.87	0.56	1.14	0.63	1.67	0.90	1.62	1.17	1.59	1.10	2.29
2	1.82	1.89	0.85	1.24	0.73	1.52	0.94	1.51	1.45	1.62	1.11	2.07
3	2.87	2.29	0.98	0.76	0.95	1.43	1.14	1.48	1.76	1.69	1.13	1.83
4	3.19	2.10	1.16	0.94	0.54	1.72	1.41	1.67	1.63	1.67	1.16	1.51
5	2.62	2.53	0.49	1.01	0.51	1.77	1.37	2.37	1.63	1.70	1.22	1.45
6	2.24	1.70	0.46	0.86	0.97	1.62	1.58	2.51	1.90	1.63	1.21	1.33
7	2.01	1.86	0.84	0.64	0.02	1.57	1.80	2.45	1.76	1.67	1.14	1.48
8	1.89	2.06	0.78	0.57	0.42	1.61	2.07	2.25	1.55	1.60	0.79	1.61
9	2.29	2.16	0.71	0.72	1.08	1.48	1.47	2.33	1.54	1.64	1.05	1.84
10	2.46	2.26	0.68	0.62	0.75	1.35	1.33	2.45	1.73	1.63	1.03	1.79
11	2.05	2.27	0.94	0.52	0.77	1.41	1.34	2.22	2.07	1.55	1.04	1.73
12	2.00	1.54	1.09	0.59	0.85	1.47	1.21	1.42	2.23	1.52	1.20	2.12
13	1.55	1.38	1.16	0.67	0.80	1.32	1.10	1.43	2.11	1.80	1.32	2.36
14	1.32	1.93	0.41	0.58	0.96	1.43	1.02	1.64	1.95	2.01	1.31	1.94
15	1.25	1.86	0.73	0.62	1.30	1.46	0.96	1.65	1.88	2.24	1.14	1.72
16	1.12	0.97	0.79	0.93	1.19	1.71	1.39	1.69	1.73	1.94	1.45	1.69
17	1.47	1.10	0.97	0.18	0.76	1.88	1.43	2.00	1.69	1.68	1.45	1.78
18	1.57	1.45	1.21	0.53	1.08	2.00	1.16	1.49	1.64	1.49	1.16	1.74
19	1.83	1.26	1.42	0.56	1.20	2.07	1.39	1.33	1.59	1.35	1.21	1.69
20	1.71	1.35	0.73	0.77	1.04	2.04	1.46	1.23	1.67	1.14	1.16	1.59
21	1.41	1.29	0.95	0.86	1.65	1.58	1.21	1.07	1.71	1.08	1.05	1.88
22	1.30	1.01	1.02	0.70	2.05	1.46	1.19	0.82	1.60	1.17	1.13	1.77
23	1.55	0.98	1.21	-0.07	1.67	1.22	1.28	0.79	1.49	1.20	1.28	1.57
24	1.50	1.12	1.73	0.07	1.76	1.16	1.81	0.97	1.50	0.98	1.36	1.80
25	1.82	1.17	0.87	0.41	1.61	1.29	1.86	1.18	1.53	1.04	1.49	1.74
26	1.79	1.03	0.86	0.46	1.85	1.09	1.21	1.32	1.61	1.12	1.61	1.90
27	2.09	0.39	0.87	0.58	1.69	1.21	1.25	1.08	1.66	1.09	1.71	1.87
28	2.17	0.37	0.80	0.81	1.60	1.56	1.44	1.11	1.55	1.15	1.68	1.31
29	2.36	0.65	1.04	0.85	---	0.82	1.54	1.13	1.73	1.22	---	1.09
30	2.21	0.78	1.30	0.72	---	0.41	1.64	1.16	1.93	1.22	---	1.17
31	1.84	---	1.67	0.82	---	0.58	---	1.32	---	1.17	2.38	---
MAX	3.19	2.53	1.73	1.24	2.05	2.07	2.07	2.51	2.23	2.24	---	2.36
MIN	1.12	0.37	0.41	-0.07	0.02	0.41	0.90	0.79	1.17	0.98	---	1.09

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 NGVD of 1929.

REMARKS.--Records good, except those above 600 ft³/s and indefinite stage-discharge relationship, which are poor. Bayou Fusilier is a distributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this distributary, see Bayou Teche at Arnaudville (station 07385500). In extreme floods, reverse flow observed.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 900 ft³/s, Dec. 28, 1982; maximum elevation, 21.97 ft, Oct. 31, 1985; no flow at times several years; maximum negative daily discharge, -634 ft³/s, June 10, 2001; minimum elevation, 9.03 ft, Nov. 26, 27, 28, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 713 ft³/s; maximum elevation, 21.09 ft, Feb. 22; minimum daily discharge, -200 ft³/s, Oct. 31, Feb. 23; minimum elevation, 11.84 ft, Dec. 30, 31, Feb. 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	e-150	250	510	202	e300	248	243	235	214	223	229
2	245	e-100	248	451	179	e450	245	242	236	234	223	227
3	409	e250	214	382	166	512	242	240	257	239	221	231
4	e450	e350	501	328	162	431	246	238	267	254	219	231
5	e460	e400	713	284	159	391	250	243	263	251	215	245
6	e350	e300	667	245	249	366	256	242	269	255	219	252
7	e260	e400	561	209	497	344	242	238	265	252	214	242
8	e250	e450	450	183	462	318	e50	237	241	244	217	237
9	e270	e460	389	184	383	291	e300	242	232	256	223	237
10	e290	e480	356	187	322	268	336	238	235	252	218	235
11	330	e500	329	190	267	260	277	240	230	247	218	236
12	288	e550	308	189	226	256	262	238	238	255	211	251
13	262	633	347	176	199	295	257	236	244	236	215	300
14	239	570	344	190	177	481	253	243	268	239	223	289
15	227	539	311	176	274	433	244	242	e250	239	220	247
16	229	511	284	163	539	384	241	233	e230	236	216	234
17	231	484	256	174	484	386	238	239	e220	234	221	233
18	228	467	227	186	390	359	240	235	267	244	224	230
19	228	456	199	193	314	345	246	240	273	236	219	230
20	230	464	187	192	255	311	248	239	280	224	218	231
21	227	448	184	187	e500	279	249	237	269	222	222	232
22	233	427	175	180	e-100	260	243	240	269	225	216	237
23	233	414	175	171	e-200	250	239	238	261	228	216	235
24	225	403	270	165	e-100	249	236	239	240	223	222	232
25	262	391	296	172	e-75	250	239	238	237	228	225	228
26	584	377	267	171	e-50	250	244	239	259	227	221	232
27	e200	357	234	168	e25	273	243	237	268	230	221	228
28	e50	318	209	176	e100	279	244	237	238	222	226	228
29	e-50	286	185	177	---	262	245	237	232	218	229	229
30	e-100	264	165	207	---	252	245	242	229	221	226	233
31	e-200	---	355	218	---	248	---	238	---	218	229	---
TOTAL	7,389	11,699	9,656	6,784	6,006	10,033	7,348	7,410	7,502	7,303	6,830	7,161
MEAN	238	390	311	219	214	324	245	239	250	236	220	239

e Estimated

07386200 BAYOU FUSILIER AT WEIR AT ARNAUDVILLE, LA—Continued

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.86	18.48	12.87	15.01	12.37	16.66	12.85	12.80	12.72	12.56	12.79	12.80
2	12.82	17.80	12.85	14.58	12.10	15.85	12.82	12.79	12.72	12.77	12.80	12.79
3	14.12	17.09	12.48	14.05	11.95	15.02	12.78	12.76	12.93	12.83	12.78	12.82
4	15.96	16.59	14.92	13.59	11.90	14.43	12.83	12.75	13.04	12.98	12.77	12.82
5	15.30	17.68	16.32	13.19	11.86	14.12	12.87	12.80	12.99	12.96	12.73	12.95
6	14.63	18.64	16.04	12.82	12.76	13.92	12.93	12.79	13.05	12.99	12.77	13.02
7	14.08	18.49	15.36	12.44	14.92	13.73	12.78	12.74	13.01	12.98	12.71	12.92
8	13.89	18.13	14.58	12.14	14.66	13.51	14.28	12.73	12.77	12.90	12.74	12.87
9	13.98	17.63	14.10	12.17	14.06	13.26	14.55	12.79	12.68	13.02	12.80	12.86
10	14.10	17.08	13.84	12.20	13.54	13.05	13.66	12.74	12.71	12.99	12.75	12.84
11	13.61	16.68	13.61	12.23	13.03	12.97	13.13	12.77	12.67	12.94	12.73	12.85
12	13.24	16.27	13.42	12.22	12.62	12.93	12.99	12.74	12.75	13.02	12.66	12.99
13	12.99	15.83	13.76	12.07	12.33	13.28	12.93	12.73	12.81	12.85	12.70	13.43
14	12.76	15.42	13.73	12.23	12.08	14.80	12.90	12.80	13.04	12.88	12.79	13.34
15	12.63	15.21	13.45	12.07	12.96	14.45	12.81	12.78	13.36	12.88	12.75	12.95
16	12.66	15.02	13.19	11.92	15.21	14.06	12.78	12.69	13.52	12.86	12.70	12.81
17	12.68	14.83	12.92	12.04	14.82	14.08	12.74	12.75	13.19	12.84	12.76	12.80
18	12.64	14.70	12.63	12.18	14.11	13.86	12.77	12.71	13.04	12.94	12.79	12.77
19	12.64	14.62	12.33	12.27	13.47	13.74	12.83	12.77	13.10	12.87	12.73	12.77
20	12.66	14.68	12.19	12.26	12.92	13.44	12.85	12.76	13.18	12.76	12.72	12.78
21	12.63	14.56	12.16	12.20	17.64	13.15	12.85	12.73	13.07	12.73	12.76	12.78
22	12.70	14.40	12.05	12.11	20.97	12.97	12.80	12.77	13.07	12.77	12.69	12.83
23	12.70	14.30	12.06	12.02	20.87	12.87	12.75	12.75	13.01	12.80	12.69	12.80
24	12.61	14.21	13.05	11.94	20.46	12.86	12.73	12.75	12.80	12.76	12.76	12.78
25	12.88	14.12	13.31	12.02	19.85	12.87	12.76	12.75	12.78	12.81	12.79	12.74
26	15.51	14.01	13.03	12.01	19.08	12.87	12.81	12.76	13.00	12.81	12.73	12.77
27	17.27	13.84	12.70	11.97	18.31	13.09	12.80	12.74	13.09	12.84	12.73	12.73
28	19.02	13.51	12.44	12.07	17.49	13.15	12.81	12.73	12.80	12.77	12.78	12.72
29	19.53	13.21	12.17	12.08	---	12.99	12.82	12.74	12.75	12.73	12.81	12.73
30	19.53	13.01	11.93	12.42	---	12.89	12.82	12.79	12.71	12.76	12.77	12.76
31	19.06	---	13.74	12.54	---	12.85	---	12.75	---	12.74	12.81	---
MAX	19.53	18.64	16.32	15.01	20.97	16.66	14.55	12.80	13.52	13.02	12.81	13.43
MIN	12.61	13.01	11.93	11.92	11.86	12.85	12.73	12.69	12.67	12.56	12.66	12.72

07386600 BAYOU VERMILION NEAR CARENCRO, LA.

LOCATION.--Lat 30°22'05", long 91°59'15", sec. 58, T. 8 S., R. 5 E., Lafayette Parish, Hydrologic Unit 08080103, on bridge at Arnaudville Road, approximately 1.1 miles northeast of Lafayette.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 1996 to September 1997 (daily records unpublished), October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.46 ft, Oct. 26, 1996; minimum gage height, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.98 ft, Apr. 8; minimum gage height, 5.37 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.27	7.00	10.44	6.91	10.43	5.67	5.59	5.43	5.88	5.67	6.09
2	---	10.92	6.97	9.94	6.77	10.0	5.66	5.58	5.52	5.74	5.76	5.93
3	7.59	10.59	---	9.22	6.65	9.51	5.63	5.55	6.70	5.77	5.69	5.84
4	9.77	10.34	10.59	8.47	6.62	8.97	5.66	5.52	6.57	5.83	5.56	5.87
5	9.23	11.05	11.06	7.91	6.59	8.45	5.77	5.71	6.23	6.35	5.50	5.86
6	8.77	11.58	10.69	7.53	7.51	8.04	6.47	5.83	7.05	6.34	5.49	5.87
7	8.23	11.33	10.19	7.21	10.22	7.72	6.25	5.82	7.07	6.13	5.47	5.80
8	7.82	11.04	9.64	6.97	9.80	7.43	11.76	5.77	6.26	5.96	5.42	5.63
9	7.87	10.75	8.97	6.87	9.09	7.15	12.98	5.81	5.80	7.20	5.49	5.56
10	8.19	10.48	8.40	6.88	8.40	6.85	10.97	5.78	5.69	7.00	5.50	5.65
11	7.55	10.24	7.99	6.85	7.73	6.62	9.10	5.78	5.89	6.92	5.46	5.96
12	7.01	10.01	7.73	6.85	7.16	6.46	7.86	5.67	6.32	7.61	5.45	9.26
13	6.65	9.73	8.60	6.80	6.78	7.16	6.99	5.53	6.47	6.72	5.54	10.79
14	6.40	9.45	8.64	6.80	6.54	9.43	6.46	5.56	8.52	6.17	5.58	9.94
15	6.25	9.34	8.02	6.80	7.74	8.79	6.25	5.59	10.02	6.09	5.57	7.58
16	6.19	9.18	7.62	6.73	10.28	8.01	6.10	5.55	10.83	6.01	5.55	6.37
17	6.18	8.91	7.38	6.73	9.84	8.20	5.96	5.61	8.94	6.27	5.60	5.92
18	6.19	8.70	7.22	6.77	9.14	7.76	5.81	5.64	7.62	9.34	5.60	5.74
19	6.21	8.54	7.11	6.81	8.36	7.62	5.78	5.54	6.92	7.82	5.56	5.61
20	6.24	8.74	7.22	6.83	7.75	7.22	5.82	5.52	7.26	6.50	5.53	5.53
21	6.26	8.62	7.16	6.82	11.09	6.65	5.81	5.47	9.63	5.88	5.59	5.56
22	6.26	8.24	7.00	6.79	12.92	6.26	5.75	5.47	8.77	5.68	5.79	7.28
23	6.30	7.98	7.07	6.74	12.65	6.04	5.68	5.44	7.43	5.70	5.61	7.21
24	6.40	7.81	9.08	6.72	12.31	5.94	5.70	5.44	6.67	5.61	5.57	6.08
25	7.27	7.68	8.96	6.72	11.94	5.89	5.69	5.46	6.60	5.77	5.63	5.68
26	10.09	7.56	8.14	6.73	11.55	5.86	5.65	5.47	8.15	7.26	5.63	5.55
27	10.87	7.44	7.58	6.74	11.20	5.97	5.57	5.49	8.06	7.40	5.65	5.54
28	11.78	7.30	7.24	6.76	10.83	5.99	5.57	5.46	6.87	6.15	5.79	5.47
29	12.00	7.15	7.02	6.77	---	5.92	5.59	5.45	6.13	5.71	6.32	5.41
30	11.94	7.06	6.89	6.88	---	5.77	5.60	5.42	6.09	5.61	6.02	5.40
31	11.61	---	9.33	6.99	---	5.71	---	5.44	---	5.59	6.08	---
MAX	---	11.58	---	10.44	12.92	10.43	12.98	5.83	10.83	9.34	6.32	10.79
MIN	---	7.06	---	6.72	6.54	5.71	5.57	5.42	5.43	5.59	5.42	5.40

07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°53'05", in NE ¼ NW ¼ 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 September 2000 (discharge and elevation), October 2000 to current year. May 1945 to June 1946 (fragmentary elevations only), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 0.76 ft below NAVD 88. Prior to Oct. 1, 2001, datum of gage was NAVD 88. Prior to Oct. 1, 1998, datum of gage was NGVD of 1929. Auxiliary water-stage recorder, Ruth Canal at Ruth (station 07386705), 150 ft below control structure at datum 0.70 ft below NAVD 88. Prior to Oct. 1, 2001, datum of auxiliary gage was NAVD 88. Prior to Oct. 1, 1998, datum of auxiliary gage was NGVD of 1929. Nov. 4, 1965 to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of estimated discharge, which are poor. Total flow through control structure diverted from Bayou Teche for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive daily discharge, 802 ft³/s, Apr. 21, 1966; maximum negative daily discharge, -60 ft³/s, Jan. 31, 1993 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 ft³/s, June 1, 1982.

EXTREMES FOR CURRENT YEAR.--2001 W.Y.: Maximum daily discharge, e555 ft³/s, Oct. 10; maximum elevation, 15.03 ft, June 8; minimum daily discharge, e15 ft³/s, Jan. 25; minimum elevation, 7.79 ft, Oct. 22, 23.
2002 W.Y.: Maximum daily discharge, 547 ft³/s, May 27; maximum elevation, 13.85 ft, Apr. 8; minimum daily discharge, 33 ft³/s, Apr. 17-21; minimum elevation, 8.99 ft, June 27.
2003 W.Y.: Maximum daily discharge, e535 ft³/s, Aug. 9; maximum elevation, 14.95 ft, Oct. 29; minimum daily discharge, 32 ft³/s, Apr. 12, 13; minimum elevation, 8.94 ft, ft³/s, Aug. 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e540	e480	e330	e420	e360	e290	e70	e450	e270	e250	e380	e300
2	e540	e480	e340	e440	e380	e170	e40	e450	e450	e120	e380	e250
3	e540	e470	e350	e450	e420	e50	e80	e450	e470	e90	e410	e150
4	e535	e460	e360	e450	e430	e40	e90	e450	e470	e120	e410	e100
5	e535	e430	e350	e450	e440	e40	e100	e450	e330	e140	e390	e100
6	e525	e360	e350	e450	e420	e50	e130	e450	e200	e120	e410	e75
7	e520	e460	e340	e430	e400	e45	e310	e450	e180	e130	e360	e50
8	e530	e390	e350	e400	e400	e45	e350	e460	e150	e150	e350	e40
9	e550	e270	e350	e420	e380	e50	e360	e470	e170	e150	e340	e40
10	e555	e460	e350	e430	e370	e60	e440	e460	e200	e230	e380	e50
11	e550	e490	e360	e400	e390	e70	e440	e460	e220	e380	e330	e70
12	e550	e500	e360	e410	e390	e130	e440	e460	e250	e370	e300	e100
13	e550	e480	e370	e440	e390	e100	e440	e460	e200	e320	e290	e200
14	e550	e520	e320	e420	e390	e40	e440	e460	e150	e210	e340	e240
15	e540	e530	e320	e420	e380	e35	e450	e460	e170	e370	e360	e220
16	e540	e380	e300	e510	e370	e35	e450	e460	e220	e390	e360	e200
17	e535	e360	e350	e850	e310	e30	e460	e460	e210	e390	e360	e160
18	e535	e50	e360	e600	e340	e35	e480	e460	e150	e380	e390	e150
19	e530	e30	e340	e500	e370	e60	e480	e450	e90	e390	e400	e100
20	e540	e40	e380	e210	e390	e70	e460	e450	e70	e300	e390	e120
21	e530	e320	e450	e230	e380	e80	e460	e460	e50	e340	e400	e45
22	e530	e630	e450	e720	e380	e270	e460	e450	e60	e390	e400	e35
23	e530	e430	e430	e480	e400	e380	e440	e450	e100	e400	e400	e100
24	e520	e270	e430	e160	e390	e360	e360	e460	e100	e400	e400	e120
25	e490	e310	e440	e15	e370	e200	e420	e450	e100	e380	e410	e200
26	e490	e140	e430	e40	e390	e240	e440	e460	e100	e330	e420	e310
27	e490	e120	e310	e60	e400	e325	e450	e460	e100	e380	e420	e360
28	e490	e130	e350	e80	e290	e100	e450	e470	e70	e380	e410	e350
29	e490	e140	e430	e70	---	e660	e460	e480	e100	e380	e390	e380
30	e490	e170	e440	e110	---	e470	e460	e480	e450	e380	e380	e370
31	e480	---	e450	e310	---	e150	---	e160	---	e380	e410	---
TOTAL	16,320	10,300	11,540	11,375	10,720	4,680	10,910	13,900	5,850	9,140	11,770	4,985
MEAN	526	343	372	367	383	151	364	448	195	295	380	166

e Estimated

07386700 RUTH CANAL NEAR RUTH, LA—Continued

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.91	7.97	9.12	8.31	8.89	8.88	10.39	8.26	8.68	10.62	8.90	10.29
2	7.90	7.97	9.00	8.25	8.69	9.58	10.18	8.30	8.30	10.20	8.89	12.22
3	7.87	7.97	8.92	8.30	8.59	12.00	9.95	8.29	8.28	9.95	8.86	12.58
4	7.88	7.96	8.89	8.36	8.58	12.14	9.85	8.32	8.33	9.90	8.85	12.33
5	7.95	8.28	8.86	8.38	8.58	11.77	9.84	8.33	8.77	9.96	8.86	12.27
6	8.05	8.79	8.87	8.40	8.64	11.41	9.67	8.32	11.47	9.89	8.87	12.20
7	8.04	8.27	8.95	8.44	8.64	11.03	9.03	8.29	14.01	9.80	8.91	11.66
8	7.91	8.51	8.91	8.40	8.62	10.70	8.91	8.25	14.73	9.77	8.98	11.57
9	7.83	9.08	8.87	8.32	8.63	10.68	8.75	8.25	13.94	9.78	9.00	11.85
10	7.85	8.53	8.81	8.31	8.59	10.44	8.48	8.26	13.43	9.29	8.93	12.01
11	7.89	8.24	8.80	8.40	8.56	10.31	8.47	8.26	12.79	8.90	8.97	11.77
12	7.88	8.09	8.76	8.34	8.53	10.33	8.46	8.25	12.33	8.93	9.08	11.38
13	7.87	8.02	8.93	8.37	8.56	10.72	8.41	8.23	11.95	8.99	9.13	10.91
14	7.89	7.94	9.23	8.41	8.58	10.88	8.34	8.21	11.61	9.17	9.02	10.46
15	7.89	7.95	9.13	8.36	8.62	11.50	8.31	8.20	11.25	8.89	8.93	10.18
16	7.91	8.45	8.97	8.97	8.74	11.27	8.27	8.18	10.90	8.86	8.95	10.02
17	7.87	8.39	8.81	9.71	8.97	10.99	8.23	8.16	10.65	8.84	8.90	9.95
18	7.83	10.26	8.80	9.50	8.91	10.72	8.20	8.18	10.56	8.83	8.81	9.92
19	7.83	12.23	8.74	11.06	8.80	10.52	8.25	8.20	10.43	8.82	8.83	9.89
20	7.84	11.76	8.57	11.88	8.68	10.35	8.27	8.22	10.24	9.00	8.87	9.84
21	7.83	11.40	8.35	11.94	8.60	10.10	8.27	8.25	10.13	8.96	8.85	9.87
22	7.82	10.90	8.39	11.66	8.54	9.20	8.32	8.24	10.07	8.86	8.87	9.96
23	7.89	10.36	8.35	11.27	8.51	8.75	8.31	8.19	10.01	8.84	8.82	9.81
24	8.03	10.09	8.30	10.87	8.59	8.85	8.54	8.21	9.98	8.84	8.78	9.75
25	8.03	10.03	8.30	10.50	8.52	9.35	8.38	8.22	9.90	8.85	8.76	9.59
26	8.01	10.07	8.32	10.25	8.51	9.23	8.29	8.24	9.88	8.92	8.78	8.96
27	7.99	10.02	8.58	10.04	8.57	8.94	8.25	8.26	9.92	8.86	8.81	8.87
28	7.96	9.94	8.46	9.85	8.86	10.48	8.23	8.24	10.12	8.85	8.85	8.82
29	7.93	9.87	8.34	10.06	---	11.23	8.24	8.23	10.19	8.90	8.87	8.78
30	7.91	9.64	8.35	9.87	---	11.07	8.24	8.24	10.67	8.89	8.87	8.78
31	7.95	---	8.36	9.16	---	10.72	---	8.73	---	8.88	8.94	---
MAX	8.05	12.23	9.23	11.94	8.97	12.14	10.39	8.73	14.73	10.62	9.13	12.58
MIN	7.82	7.94	8.30	8.25	8.51	8.75	8.20	8.16	8.28	8.82	8.76	8.78

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e440	e470	e330	124	271	262	420	466	528	526	312	322
2	e440	e480	e360	210	277	223	405	464	528	530	318	322
3	e445	e475	e375	279	276	222	397	466	530	528	322	319
4	e445	e470	e385	278	277	214	408	452	530	531	322	315
5	e440	e470	e395	259	276	208	431	171	528	536	321	313
6	e440	e480	e380	217	272	212	445	292	526	539	322	314
7	e450	e405	e375	222	276	219	450	471	533	538	321	313
8	e440	e310	e355	234	279	229	323	468	537	533	319	309
9	e440	e400	e360	246	279	239	41	466	534	529	319	311
10	e420	e400	e340	256	276	255	40	468	533	528	318	313
11	e210	e400	e350	260	273	267	39	468	527	532	316	315
12	e150	e325	e400	254	278	380	38	465	527	532	311	319
13	e30	e320	e460	239	278	481	37	465	529	533	312	320
14	e485	e340	e370	245	279	452	36	469	533	532	314	319
15	e250	e355	e355	256	277	452	35	468	536	546	300	320
16	e130	e350	e385	262	276	455	34	467	535	248	278	248
17	e160	e350	e360	264	278	455	33	468	531	215	279	205
18	e180	e350	e380	267	276	456	33	463	534	220	276	318
19	e330	e335	e345	268	270	460	33	467	536	223	286	317
20	e385	e360	e350	252	265	457	33	471	534	224	297	316
21	e405	e370	320	251	261	457	33	470	533	225	306	319
22	e410	e370	320	258	265	464	185	469	533	222	310	320
23	e440	e370	315	263	273	467	449	467	534	254	309	319
24	e440	e380	317	267	276	464	456	467	534	319	311	e320
25	e445	e395	320	269	273	461	462	466	532	308	316	317
26	e450	e385	323	275	274	446	468	539	526	314	319	320
27	e450	e380	326	275	281	429	352	547	521	317	321	318
28	e460	e450	320	274	280	441	118	532	514	319	322	316
29	e400	e350	319	273	---	449	215	531	501	323	324	317
30	e320	e315	321	273	---	451	470	534	512	322	323	318
31	e450	---	215	271	---	444	---	532	---	318	323	---
TOTAL MEAN	11,380 367	11,610 387	10,826 349	7,841 253	7,692 275	11,571 373	6,919 231	14,409 465	15,869 529	12,364 399	9,647 311	9,332 311

e Estimated

07386700 RUTH CANAL NEAR RUTH, LA—Continued

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.53	9.38	10.74	10.19	10.05	10.62	10.46	9.43	9.21	9.35	9.92	9.81
2	9.51	9.36	10.62	10.12	9.91	11.91	10.13	9.42	9.15	9.30	9.86	9.81
3	9.47	9.38	10.50	9.86	9.98	11.57	9.73	9.45	9.16	9.19	9.80	9.81
4	9.46	9.38	10.38	9.82	9.97	11.29	9.55	9.61	9.16	9.15	9.78	9.84
5	9.46	9.36	10.29	10.36	9.92	10.98	9.48	10.20	9.16	9.14	9.76	9.85
6	9.48	9.39	10.29	10.68	9.91	10.79	9.42	9.84	9.15	9.11	9.73	9.83
7	9.46	9.75	10.35	10.21	10.05	10.58	9.39	9.47	9.23	9.09	9.70	9.83
8	9.46	10.0	10.38	10.12	10.09	10.41	11.70	9.48	9.31	9.11	9.77	9.87
9	9.44	9.69	10.35	10.06	10.05	10.26	13.44	9.47	9.22	9.13	9.82	9.86
10	9.76	9.67	10.42	9.98	9.93	10.17	13.19	9.41	9.34	9.14	9.81	9.80
11	10.66	9.67	10.29	9.89	9.82	10.19	12.93	9.42	9.33	9.13	9.82	9.76
12	10.80	9.97	10.11	10.21	9.83	9.95	12.51	9.46	9.19	9.16	9.88	9.76
13	11.65	9.86	10.15	10.24	9.90	9.61	12.06	9.45	9.16	9.19	9.87	9.76
14	12.38	9.77	10.52	10.06	9.91	9.36	11.64	9.35	9.15	9.21	9.88	9.77
15	11.94	9.72	10.47	9.99	9.90	9.38	11.31	9.36	9.10	9.51	9.96	9.77
16	11.50	9.70	10.33	9.95	9.85	9.39	11.12	9.41	9.11	9.62	10.19	9.86
17	11.10	9.69	10.32	9.88	9.84	9.38	10.94	9.49	9.13	10.18	10.11	10.17
18	10.74	9.68	10.24	9.80	9.80	9.35	10.83	9.37	9.10	10.14	10.07	9.75
19	10.14	9.72	10.30	9.88	9.78	9.39	10.79	9.19	9.17	10.07	10.00	9.74
20	9.94	9.60	10.19	10.27	9.91	9.39	10.78	9.27	9.17	10.08	9.94	9.79
21	9.82	9.59	10.11	10.27	10.16	9.28	10.78	9.33	9.12	10.10	9.87	9.82
22	9.70	9.60	10.07	10.11	10.11	9.20	10.28	9.36	9.08	10.06	9.93	9.91
23	9.65	9.61	10.06	9.95	10.0	9.28	9.64	9.39	9.11	9.86	10.05	9.78
24	9.62	9.60	9.95	9.87	9.94	9.33	9.61	9.40	9.14	9.85	9.98	9.74
25	9.53	9.62	9.89	9.89	9.95	9.34	9.58	9.39	9.14	10.24	9.92	9.78
26	9.47	9.67	9.84	10.04	9.86	9.92	9.53	9.35	9.08	10.03	9.82	9.68
27	9.42	9.66	9.78	10.11	9.83	9.74	9.75	9.24	9.18	9.95	9.77	9.59
28	9.39	9.66	9.79	10.08	9.87	9.64	10.36	9.15	9.50	9.92	9.76	9.66
29	9.76	10.54	9.78	9.99	---	9.56	9.98	9.13	9.56	9.95	9.77	9.72
30	9.94	10.84	9.74	9.96	---	9.43	9.47	9.18	9.33	9.97	9.78	9.74
31	9.46	---	9.95	9.98	---	9.94	---	9.25	---	9.96	9.83	---
MAX	12.38	10.84	10.74	10.68	10.16	11.91	13.44	10.20	9.56	10.24	10.19	10.17
MIN	9.39	9.36	9.74	9.80	9.78	9.20	9.39	9.13	9.08	9.09	9.70	9.59

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	40	215	187	218	38	407	402	474	457	481	391
2	182	39	215	188	217	37	405	402	478	466	484	395
3	36	38	212	188	215	36	405	403	467	471	484	403
4	37	38	193	192	215	35	403	403	461	474	485	407
5	36	40	188	198	217	34	403	427	464	474	485	416
6	35	40	192	204	214	34	402	466	493	466	e465	422
7	34	40	189	209	200	34	398	460	477	467	e500	212
8	34	40	186	211	200	33	290	462	456	475	e530	125
9	35	40	186	213	199	33	35	460	457	466	e535	252
10	35	39	191	214	199	33	34	460	459	455	e515	367
11	34	38	198	217	205	e160	33	458	460	444	e520	369
12	33	38	203	216	209	197	32	464	441	431	e480	328
13	33	37	202	216	213	202	32	467	444	444	e510	225
14	164	36	202	217	213	192	78	467	439	453	432	213
15	280	36	207	218	203	192	375	468	417	455	428	283
16	286	36	211	215	172	194	381	467	415	459	420	322
17	290	35	213	218	169	194	385	464	415	464	423	340
18	290	35	211	219	165	192	392	465	422	432	428	349
19	290	35	209	219	165	196	396	468	439	446	431	356
20	292	35	211	218	168	198	396	468	449	461	430	361
21	294	35	213	218	142	205	398	468	417	472	429	359
22	297	35	211	217	44	212	401	471	405	480	428	315
23	297	35	212	218	43	216	400	472	421	481	425	312
24	295	34	191	219	43	219	397	473	437	480	426	341
25	289	34	188	217	42	219	396	472	446	473	424	352
26	262	34	196	217	41	220	403	472	449	466	420	357
27	169	33	202	216	40	313	405	472	445	462	418	357
28	42	93	207	216	39	e385	404	472	450	470	417	362
29	43	215	209	215	---	e380	404	518	457	475	405	370
30	42	214	207	215	---	e390	403	529	452	479	400	370
31	41	---	193	218	---	e400	---	476	---	480	382	---
TOTAL	4,845	1,517	6,263	6,563	4,410	5,423	9,693	14,296	13,406	14,378	14,040	10,031
MEAN	156	50.6	202	212	158	175	323	461	447	464	453	334

e Estimated

07386700 RUTH CANAL NEAR RUTH, LA—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.75	13.26	9.96	10.83	9.76	12.48	9.35	9.33	9.09	9.26	9.19	9.31
2	9.95	12.92	9.95	10.79	9.69	12.07	9.34	9.31	9.28	9.23	9.21	9.21
3	11.85	12.57	9.89	10.60	9.64	11.71	9.32	9.31	9.69	9.27	9.19	9.18
4	12.15	12.34	10.67	10.41	9.55	11.41	9.35	9.31	9.39	9.32	9.17	9.17
5	11.63	13.17	11.42	10.22	9.53	11.21	9.42	9.36	9.30	9.49	9.16	9.16
6	11.35	13.37	11.38	10.03	9.73	11.09	9.47	9.33	10.03	9.50	9.29	9.18
7	11.12	13.20	11.19	9.84	10.54	11.02	9.94	9.23	10.00	9.39	9.09	9.40
8	11.00	13.04	10.92	9.70	10.68	10.91	11.58	9.21	9.30	9.57	9.05	10.15
9	11.29	12.83	10.66	9.67	10.55	10.79	11.41	9.21	9.16	9.70	9.09	10.07
10	11.29	12.59	10.52	9.65	10.35	10.68	10.97	9.20	9.17	9.51	9.09	9.50
11	11.00	12.36	10.38	9.64	10.12	10.41	10.68	9.16	9.57	9.60	9.09	9.57
12	10.80	12.17	10.28	9.66	9.93	10.13	10.59	9.09	9.48	9.65	9.14	9.71
13	10.67	12.01	10.34	9.60	9.79	10.23	10.55	9.06	9.38	9.46	9.10	10.26
14	10.14	11.86	10.36	9.63	9.72	10.75	10.03	9.08	9.59	9.38	9.18	10.00
15	9.68	11.77	10.27	9.63	10.82	10.82	9.56	9.10	9.78	9.39	9.09	9.71
16	9.63	11.66	10.16	9.58	11.50	10.76	9.51	9.09	9.94	9.35	9.09	9.56
17	9.64	11.57	10.05	9.56	11.05	10.82	9.44	9.13	9.71	9.37	9.10	9.50
18	9.63	11.51	9.95	9.61	10.76	10.62	9.41	9.08	9.55	9.50	9.10	9.47
19	9.63	11.46	9.82	9.67	10.49	10.54	9.44	9.05	9.65	9.45	9.09	9.45
20	9.62	11.52	9.70	9.71	10.24	10.42	9.44	9.04	9.82	9.34	9.07	9.44
21	9.60	11.46	9.68	9.71	12.12	10.26	9.41	9.01	9.81	9.25	9.08	9.48
22	9.60	11.33	9.64	9.63	14.68	10.14	9.38	9.02	9.61	9.31	9.07	9.75
23	9.61	11.27	9.87	9.53	14.59	10.06	9.36	9.03	9.56	9.33	9.05	9.59
24	9.58	11.21	10.43	9.52	14.41	10.04	9.41	9.05	9.47	9.21	9.07	9.51
25	9.73	11.15	10.22	9.56	14.16	10.04	9.38	9.08	9.43	9.32	9.09	9.46
26	10.90	11.09	10.12	9.59	13.79	10.03	9.33	9.10	9.49	9.39	9.11	9.45
27	12.93	10.89	9.97	9.57	13.37	9.85	9.31	9.07	9.54	9.36	9.10	9.45
28	14.07	10.34	9.83	9.63	12.91	9.55	9.33	9.06	9.45	9.28	9.13	9.42
29	14.54	10.16	9.73	9.66	---	9.46	9.34	9.33	9.33	9.21	9.10	9.38
30	14.05	10.06	9.65	9.69	---	9.35	9.35	9.45	9.37	9.21	9.24	9.38
31	13.59	---	10.38	9.79	---	9.35	---	9.12	---	9.20	9.29	---
MAX	14.54	13.37	11.42	10.83	14.68	12.48	11.58	9.45	10.03	9.70	9.29	10.26
MIN	9.58	10.06	9.64	9.52	9.53	9.35	9.31	9.01	9.09	9.20	9.05	9.16

07386850 VERMILION RIVER NEAR LAFAYETTE, LA.

LOCATION.--Lat 30°13'08", long 91°56'20", sec. 93, T. 9 S., R. 5 E., Lafayette Parish, Hydrologic Unit 08080103, on bridge at Lake Martin Road, approximately 1.6 miles southeast of the intersection of Lake Martin Road and State Highway 94, southeast of Lafayette.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 1996 to September 1997 (daily records unpublished), October 1997 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded 12.78 ft, June 10, 2001; minimum elevation, 0.56 ft, Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 10.50 ft, Nov. 5; minimum gage height, 0.56 ft, Jan. 24.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.83	10.22	2.52	5.68	1.69	8.49	---	2.96	2.53	4.01	2.97	3.78
2	2.81	10.07	---	5.52	1.72	8.34	2.61	2.86	2.91	3.71	2.88	3.63
3	6.22	9.95	2.60	5.31	1.86	8.14	2.63	2.84	4.30	3.63	2.83	3.47
4	8.02	9.82	---	4.85	1.51	7.91	2.86	2.87	3.90	3.59	2.74	3.34
5	7.18	10.28	6.32	4.28	1.26	7.64	3.01	3.51	3.66	3.91	2.70	3.17
6	6.98	10.43	5.93	3.63	2.28	7.31	3.20	3.81	4.05	4.18	2.57	3.05
7	6.73	10.27	5.87	2.99	4.33	6.88	4.33	3.77	4.42	3.93	2.51	2.98
8	6.36	10.07	5.77	2.51	4.45	6.39	7.63	3.63	3.91	3.96	2.39	2.51
9	6.34	9.89	5.43	2.25	4.46	5.83	7.08	3.70	3.65	4.43	2.48	2.58
10	6.46	9.66	5.08	2.14	4.26	5.14	6.84	3.71	3.67	4.42	2.61	3.06
11	6.04	9.44	4.44	1.65	3.60	4.61	6.44	3.64	4.51	4.92	2.57	3.08
12	5.47	9.18	4.02	1.80	3.10	4.28	5.85	3.15	4.78	5.17	2.65	4.18
13	4.85	8.91	---	1.73	2.49	4.17	5.13	2.91	4.51	4.56	2.83	5.90
14	4.30	8.62	4.18	1.61	2.34	5.30	4.64	2.99	5.03	4.28	2.91	5.58
15	4.08	8.37	3.60	1.48	5.01	5.37	4.43	2.98	5.68	4.31	2.84	4.74
16	3.70	8.05	3.20	1.88	7.29	5.24	4.18	2.99	5.90	4.08	3.09	4.12
17	3.63	7.68	2.85	1.10	6.77	5.31	3.93	3.28	5.59	4.02	2.99	3.79
18	3.61	7.04	---	1.02	6.61	5.19	3.60	3.03	5.22	5.03	2.80	3.61
19	3.64	6.82	---	1.51	6.37	4.91	3.52	2.75	4.94	4.50	2.72	3.43
20	3.45	6.40	---	1.78	5.96	4.61	3.57	2.69	5.05	3.94	2.71	3.29
21	3.29	---	2.32	1.79	7.12	3.98	3.33	2.57	5.76	3.44	2.70	3.41
22	3.14	5.68	2.33	1.66	8.70	3.34	3.11	2.39	5.71	3.25	2.72	4.46
23	3.21	5.08	2.45	0.88	8.52	2.93	3.19	2.36	5.26	3.20	2.80	4.24
24	3.28	---	5.13	0.71	8.59	2.57	3.52	2.46	4.84	3.02	2.81	3.75
25	3.60	---	---	1.34	8.65	2.59	3.42	2.62	4.60	3.59	2.92	3.50
26	5.98	3.76	4.18	1.35	8.69	2.51	2.90	2.69	4.64	3.98	3.05	3.41
27	8.70	3.15	3.58	1.47	8.68	2.28	2.77	2.60	4.80	3.99	3.09	3.39
28	9.25	---	---	1.92	8.59	3.02	2.87	2.51	4.50	3.61	3.13	3.21
29	10.14	---	---	---	---	2.90	2.90	2.47	4.20	3.29	3.31	2.90
30	10.41	---	2.90	1.88	---	2.23	2.99	2.12	4.44	3.15	3.60	2.95
31	10.37	---	---	1.83	---	2.10	---	2.51	---	3.09	3.97	---
MAX	10.41	---	---	---	8.70	8.49	---	3.81	5.90	5.17	3.97	5.90
MIN	2.81	---	---	---	1.26	2.10	---	2.12	2.53	3.02	2.39	2.51

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 recorder and acoustic velocity meter. Datum of gage is 2.74 ft below NAVD 88. Prior to 1996 datum of gage was 2.85 ft below NGVD of 1929. Prior to 1982, datum of gage was 2.31 ft below NGVD of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1985, water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharges. Records poor. Discharges are affected by tide at all stages: diversions above and below station for irrigation. Reverse flow at times during year. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 6,280 ft³/s, July 17, 1989; maximum gage height 15.81 ft, Jan. 20, 1993; maximum negative discharge, -8,390 ft³/s, Dec. 18, 1995; minimum gage height 0.79 ft, Nov. 20, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 4,250 ft³/s, Nov. 2; maximum gage height, 13.33 ft, Oct. 29; maximum negative discharge, -5,410 ft³/s, Oct. 27; minimum gage height, 2.63 ft, Jan. 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	567	4,020	617	1,260	399	3,270	623	619	670	1,090	798	727
2	475	4,070	534	1,470	348	3,200	634	641	560	1,020	780	789
3	-933	3,880	470	1,530	306	3,100	615	630	625	924	740	788
4	358	3,530	790	1,350	350	2,970	599	559	923	891	697	828
5	877	358	1,120	1,100	288	2,770	606	433	932	802	675	779
6	932	2,470	1,620	917	---	2,620	648	533	808	913	608	785
7	833	3,410	1,670	776	1,160	2,470	---	606	1,150	1,000	661	709
8	273	3,490	1,640	635	1,280	2,220	-1,530	687	1,190	899	685	449
9	-284	3,390	1,550	528	1,150	1,950	1,560	629	1,100	967	647	350
10	-370	3,300	1,380	501	1,080	1,700	2,430	627	1,000	982	684	590
11	-381	3,170	1,190	431	948	1,450	2,360	734	455	797	676	588
12	-377	3,090	963	398	747	1,250	2,060	851	1,180	1,120	666	552
13	-393	3,050	950	389	614	1,130	1,760	741	1,290	1,270	680	138
14	-407	2,800	1,110	373	470	1,520	1,540	653	1,190	1,050	685	1,260
15	-446	2,600	939	369	-1,030	1,670	1,420	642	1,390	876	718	1,400
16	-392	2,600	780	319	501	1,540	1,230	628	1,660	963	640	1,150
17	---	2,510	663	368	2,300	1,430	1,150	573	1,820	762	716	1,000
18	---	2,260	551	280	2,390	1,510	1,070	761	1,650	926	713	907
19	---	2,100	465	343	2,240	1,390	937	709	1,520	1,310	698	826
20	---	1,910	515	322	2,030	1,290	896	688	1,270	1,140	675	783
21	---	1,790	445	322	258	1,150	907	685	1,150	966	683	711
22	---	1,620	402	337	138	944	840	696	1,580	899	702	606
23	669	1,450	298	266	2,940	804	774	659	1,610	863	674	1,110
24	659	1,210	585	122	3,320	678	603	637	1,470	830	672	963
25	529	1,010	1,190	300	3,320	599	722	651	1,340	778	650	875
26	673	855	1,140	334	3,340	579	798	642	1,360	1,020	677	781
27	-2,460	795	904	---	3,320	579	685	681	1,350	1,160	657	753
28	-459	797	762	---	3,340	666	657	654	1,310	1,010	695	773
29	-1,660	718	630	349	---	756	631	622	1,070	898	678	757
30	2,390	634	546	357	---	732	628	540	912	825	621	681
31	3,670	---	409	344	---	637	---	634	---	802	574	---
TOTAL	---	68,887	26,828	---	---	48,574	---	20,045	35,535	29,753	21,125	23,408

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.36	12.30	4.93	7.74	4.27	10.48	4.87	5.43	4.90	6.38	5.35	6.29
2	5.39	12.09	4.97	7.53	4.34	10.36	5.02	5.31	5.32	6.08	5.26	6.11
3	9.01	11.94	5.26	7.35	4.52	10.20	5.05	5.29	6.81	6.01	5.22	5.95
4	10.59	11.95	7.50	7.00	4.13	10.03	5.32	5.36	6.26	5.99	5.14	5.77
5	9.60	12.76	8.43	6.58	3.92	9.80	5.47	6.09	6.01	6.35	5.12	5.60
6	9.27	12.79	7.81	5.98	---	9.51	5.63	6.36	6.46	6.61	5.01	5.47
7	8.95	12.36	7.83	5.36	6.41	9.12	---	6.30	6.72	6.32	4.91	5.43
8	8.60	12.09	7.80	4.93	6.43	8.68	10.39	6.13	6.18	6.37	4.79	5.09
9	8.74	11.89	7.59	4.72	6.62	8.18	9.46	6.23	5.96	6.80	4.91	5.19
10	8.84	11.68	7.24	4.60	6.55	7.53	9.03	6.23	6.04	6.83	5.03	5.60
11	8.35	11.46	6.71	4.10	5.96	7.02	8.64	6.13	7.07	7.39	4.99	5.61
12	7.83	11.19	6.41	4.30	5.59	6.71	8.14	5.54	7.22	7.56	5.09	6.78
13	7.25	10.88	6.52	4.23	5.02	6.59	7.50	5.33	6.87	6.91	5.27	8.61
14	6.67	10.63	6.32	4.11	4.96	7.43	7.00	5.44	7.38	6.71	5.36	7.96
15	6.45	10.45	5.95	3.98	7.80	7.44	6.78	5.43	7.95	6.81	5.24	7.09
16	6.07	10.11	5.63	4.42	9.81	7.43	6.57	5.44	8.12	6.52	5.57	6.53
17	6.05	9.73	5.36	3.54	8.94	7.56	6.32	5.77	7.76	6.45	5.41	6.27
18	6.05	9.42	5.44	3.48	8.76	7.42	5.98	5.44	7.47	7.43	5.22	6.08
19	6.12	9.06	5.44	4.04	8.60	7.20	5.95	5.14	7.23	6.76	5.14	5.92
20	5.90	8.68	4.84	4.35	8.26	6.94	6.01	5.09	7.39	6.24	5.14	5.77
21	5.73	8.40	4.61	4.36	9.69	6.34	5.73	4.94	8.11	5.77	5.13	5.90
22	5.57	7.91	4.95	4.21	11.29	5.75	5.51	4.72	8.01	5.61	5.15	6.99
23	5.69	7.38	5.23	3.26	10.67	5.37	5.62	4.72	7.52	5.56	5.23	6.63
24	5.70	6.97	7.53	3.07	10.59	5.05	6.04	4.85	7.15	5.38	5.25	6.18
25	6.38	6.53	6.93	4.05	10.63	5.14	5.89	5.03	6.94	6.05	5.38	5.97
26	8.97	6.09	6.40	4.01	10.64	5.02	5.28	5.11	6.91	6.34	5.53	5.90
27	11.44	5.46	5.95	4.00	10.64	4.72	5.20	4.97	7.10	6.28	5.57	5.88
28	11.95	5.37	5.45	---	10.56	5.47	5.33	4.89	6.80	5.94	5.59	5.67
29	12.85	5.27	5.23	4.57	---	5.36	5.37	4.88	6.59	5.66	5.78	5.34
30	12.88	5.29	5.35	4.51	---	4.45	5.47	4.55	6.92	5.54	6.10	5.44
31	12.55	---	7.50	4.45	---	4.42	---	4.90	---	5.48	6.53	---
MAX	12.88	12.79	8.43	---	---	10.48	---	6.36	8.12	7.56	6.53	8.61
MIN	5.36	5.27	4.61	---	---	4.42	---	4.55	4.90	5.38	4.79	5.09

07386940 VERMILION RIVER AT HWY. 733 NEAR LAFAYETTE, LA.

LOCATION.--Lat 30°08'30", long 92°04'32", sec. 76, T. 10 S., R. 4 E., Lafayette Parish, Hydrologic Unit 08080103, on bridge at State Highway 733, about 1.2 miles southeast of intersection of State Highway 167 and State Highway 733, near Lafayette.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 1996 to September 1997 (daily records unpublished), October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.07 ft, Oct. 26, 1996; minimum, -0.68 ft, Dec. 12, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.80 ft, Oct. 27; minimum gage height, -0.53 ft, Jan. 18, 24.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.51	6.72	1.44	3.64	1.24	4.66	1.74	2.45	1.61	2.67	1.89	3.42
2	2.69	6.22	1.84	2.99	1.47	4.54	1.88	2.26	2.06	2.53	1.85	3.08
3	7.17	6.22	2.08	2.26	1.81	4.45	2.03	2.27	3.90	2.58	1.86	2.86
4	8.47	6.83	4.22	2.37	1.08	4.49	---	2.45	2.86	2.69	1.89	2.58
5	6.05	9.38	4.77	2.43	1.23	4.42	---	3.54	2.63	3.19	1.93	2.39
6	4.92	8.77	2.85	1.96	2.25	4.25	---	3.71	3.19	3.30	1.81	2.22
7	4.28	6.88	2.93	1.39	1.91	3.86	---	3.53	2.98	2.86	1.58	2.33
8	3.91	6.25	2.96	1.23	1.73	3.68	---	3.25	2.16	2.92	1.44	2.35
9	4.85	6.09	2.83	1.39	2.67	3.37	---	3.46	2.14	3.34	1.74	2.61
10	5.00	5.94	2.61	1.23	2.51	2.90	4.05	3.46	2.50	3.27	1.82	2.77
11	3.99	5.75	2.39	0.92	2.00	2.75	3.33	3.11	4.22	3.96	1.75	2.74
12	3.59	5.30	2.71	1.29	2.08	2.74	3.09	2.15	3.74	4.10	1.90	4.02
13	3.15	4.82	2.71	1.21	1.69	2.58	2.73	2.13	3.11	3.16	2.22	5.83
14	2.52	4.98	1.73	1.04	1.99	3.18	2.47	2.42	3.57	3.40	2.31	4.38
15	2.49	5.08	1.93	1.00	5.55	2.91	2.42	2.39	4.25	3.81	2.07	3.13
16	2.17	4.47	1.99	1.59	6.86	3.21	2.71	2.44	4.15	3.19	2.55	2.83
17	2.61	3.91	1.99	0.35	4.00	3.65	2.44	2.93	3.32	3.09	2.24	2.84
18	2.75	4.09	2.42	0.57	3.46	3.38	2.12	2.15	3.21	4.08	2.00	2.78
19	2.95	3.87	2.44	1.09	3.60	3.24	2.52	1.88	3.07	2.72	1.95	2.67
20	2.62	3.70	1.44	1.56	3.29	3.06	2.67	1.84	3.74	2.24	1.96	2.59
21	2.39	3.55	1.63	1.52	6.54	2.33	2.16	1.63	4.81	1.91	1.92	2.99
22	2.30	3.07	2.00	1.28	8.51	2.07	2.05	1.26	4.18	1.94	1.97	4.26
23	2.61	2.70	2.52	0.12	5.76	1.81	2.44	1.41	3.27	1.87	2.11	3.11
24	2.66	2.81	4.54	0.19	4.98	1.72	3.24	1.69	3.00	1.84	2.18	2.87
25	3.51	2.58	2.48	1.32	5.04	2.03	2.77	1.89	3.01	2.52	2.41	2.75
26	6.11	2.34	1.99	1.20	4.94	1.88	1.78	1.98	3.04	2.71	2.58	2.87
27	9.34	1.39	2.07	1.29	4.88	1.60	2.06	1.71	3.22	2.44	2.58	2.79
28	9.45	1.40	1.72	1.88	4.64	2.44	2.29	1.70	2.88	2.21	2.59	2.45
29	10.56	1.62	1.93	1.76	---	1.56	2.43	1.65	3.15	2.06	2.82	2.11
30	9.34	1.87	2.33	1.52	---	0.53	2.53	1.48	3.80	2.09	3.42	2.41
31	7.70	---	4.74	1.56	---	1.00	---	1.73	---	2.06	3.87	---
MAX	10.56	9.38	4.77	3.64	8.51	4.66	---	3.71	4.81	4.10	3.87	5.83
MIN	2.17	1.39	1.44	0.12	1.08	0.53	---	1.26	1.61	1.84	1.44	2.11

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between secs. 60 and 61, T. 12 S., R. 3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of the Louisiana District Office, Baton Rouge, La.

REVISED RECORDS.--WDR LA 80-3: 1979.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.46 ft below NGVD of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1997 datum of gage is 3.34 ft below NGVD of 1929. Prior to 1982 datum of gage 2.95 ft below NGVD of 1929.

REMARKS.--No estimated daily discharges. Records poor. Discharge affected by tide at all stages. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 15,800 ft³/s, Oct. 28, 1985; maximum gage height recorded, 12.06 ft, May 31, 1979; maximum negative discharge recorded, -2,800 ft³/s, Aug. 15, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 11,200 ft³/s, Oct. 27; maximum gage height, 10.35 ft, Oct. 3; maximum negative discharge, -2,030 ft³/s, Sept. 21; minimum gage height, 3.02 ft, Jan. 23, 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3,440	265	---	742	1,440	---	404	462	---	383	348
2	---	2,710	174	---	576	1,830	486	356	186	---	350	454
3	---	2,070	116	---	345	1,430	92	369	2,040	---	459	501
4	---	2,560	1,270	---	1,290	924	440	-278	1,320	---	364	731
5	---	4,880	3,070	---	-95	-264	592	-99	848	---	293	291
6	---	4,970	1,630	---	767	620	-214	204	1,310	---	368	194
7	---	3,080	1,250	986	2,620	---	2,540	391	1,420	---	533	248
8	---	2,690	1,370	843	892	---	6,690	157	940	---	391	7.8
9	---	2,460	1,280	436	1,210	---	5,160	292	---	---	104	-280
10	---	1,970	1,170	1,020	2,650	848	2,660	164	581	---	350	291
11	---	1,680	804	-18	1,200	---	1,630	---	2,380	2,370	430	217
12	---	1,940	553	503	1,650	625	1,600	596	1,880	2,660	159	937
13	---	1,640	1,510	467	698	443	1,290	276	1,030	874	169	3,000
14	---	1,380	1,040	671	198	821	1,110	---	1,490	404	350	1,890
15	---	1,590	715	195	2,840	735	981	341	2,210	---	194	804
16	---	1,610	636	648	4,630	643	779	12	2,640	632	494	500
17	---	1,090	320	955	2,220	1,020	1,030	390	1,660	852	523	232
18	---	1,080	211	-226	1,180	602	647	634	1,630	2,010	618	98
19	---	1,000	329	578	1,280	675	237	374	1,590	378	355	-39
20	---	807	930	384	971	783	561	473	2,720	449	397	-195
21	---	975	-115	374	2,720	808	686	506	3,510	414	358	-478
22	---	1,390	545	683	5,530	446	---	400	2,850	145	218	---
23	---	861	---	842	2,430	611	2.8	423	1,750	229	256	---
24	---	837	---	-495	1,820	259	326	348	1,300	182	223	---
25	1,250	676	---	210	2,170	154	756	523	---	581	132	---
26	5,160	606	---	124	1,670	568	524	---	---	839	167	-92
27	---	580	---	292	1,710	-84	273	610	---	294	122	57
28	6,070	406	---	170	1,520	327	359	320	---	256	115	450
29	6,930	279	---	660	---	---	280	660	---	254	314	116
30	6,100	312	---	1,230	---	---	377	292	---	461	144	24
31	4,900	---	---	573	---	---	---	365	---	566	600	---
TOTAL	---	51,569	---	---	47,434	---	---	---	---	---	9,933	---

07386980 VERMILION RIVER AT PERRY, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.27	6.52	4.04	4.36	3.94	5.12	---	5.12	4.16	4.95	4.39	6.11
2	5.61	6.04	4.57	4.51	4.22	4.92	4.54	4.93	4.55	5.01	4.43	5.68
3	8.03	6.44	4.68	3.48	4.63	5.09	4.80	4.89	5.43	5.10	4.45	5.49
4	9.39	6.55	5.64	4.33	3.61	5.37	5.07	5.24	5.02	5.17	4.52	5.09
5	7.35	8.25	5.13	4.41	4.17	5.46	4.92	6.43	5.11	5.46	4.59	4.96
6	6.13	8.23	3.77	4.20	4.93	5.26	5.43	6.54	5.45	5.52	4.42	4.81
7	5.61	6.41	4.55	3.84	3.32	---	6.37	6.28	4.87	5.33	4.14	4.97
8	5.40	6.14	4.56	3.75	3.98	---	8.78	5.98	4.39	5.25	4.02	5.13
9	6.28	6.16	4.52	4.08	5.07	---	7.12	6.24	---	5.31	4.40	5.46
10	6.42	6.15	4.27	3.73	4.41	4.71	4.84	6.27	5.06	---	4.43	5.50
11	5.47	6.00	4.54	3.78	4.40	4.90	4.52	---	6.00	5.45	4.31	5.39
12	5.47	5.15	5.22	4.01	4.52	4.96	4.53	4.64	5.71	5.58	4.55	6.24
13	5.09	4.68	4.67	3.97	4.31	4.63	4.47	4.78	5.40	5.53	4.91	7.10
14	4.65	5.68	3.54	3.69	4.70	4.82	4.51	---	5.31	6.02	4.97	5.90
15	4.68	5.69	4.31	3.78	6.52	4.84	4.58	5.03	5.50	---	4.73	5.25
16	4.56	4.39	4.47	4.26	7.43	5.34	5.11	5.16	5.43	5.63	5.18	5.26
17	5.24	4.21	4.63	3.11	4.65	5.53	4.74	5.55	5.14	5.07	4.86	5.38
18	5.43	5.16	5.14	3.54	4.87	5.57	4.54	4.60	5.17	5.44	4.57	5.33
19	5.59	4.84	5.04	3.78	5.12	5.51	5.13	4.46	5.09	4.75	4.59	5.25
20	5.29	4.93	3.83	4.29	4.85	5.29	5.17	4.40	5.58	4.41	4.57	5.24
21	4.94	4.74	4.47	4.28	6.72	4.51	4.56	4.20	6.16	4.28	4.51	5.67
22	4.82	4.40	4.60	3.91	8.25	4.57	---	3.81	5.74	4.40	4.63	---
23	5.34	4.47	5.04	3.07	6.06	4.29	5.10	4.00	5.13	4.32	4.76	---
24	5.20	4.90	6.51	3.44	5.44	4.31	5.94	4.35	5.06	4.28	4.86	---
25	6.01	4.80	3.50	4.14	5.37	4.74	5.31	4.55	---	4.59	5.14	---
26	7.10	4.63	4.10	4.03	5.35	4.47	4.28	---	5.24	4.84	5.27	5.56
27	8.54	3.58	4.31	4.07	5.07	4.37	4.77	4.36	5.25	4.70	5.28	5.43
28	9.11	3.84	4.12	4.68	4.92	5.16	5.01	4.40	5.04	4.57	5.29	4.92
29	9.57	4.25	4.61	4.45	---	3.81	5.21	4.24	5.57	4.53	5.43	4.76
30	9.27	4.47	5.05	4.01	---	---	5.27	4.17	6.14	4.62	6.20	5.07
31	7.83	---	---	4.28	---	---	---	4.35	---	4.55	6.61	---
MAX	9.57	8.25	---	4.68	8.25	---	---	---	---	---	6.61	---
MIN	4.56	3.58	---	3.07	3.32	---	---	---	---	---	4.02	---

07387040 VERMILION BAY NEAR CYPREMORT POINT, LA

LOCATION.--Lat 29°42'38", long 91°52'42", sec. 30, T. 15 S., R. 6 E., St. Mary Parish, Hydrologic Unit 08080103, on northwest side of private pier at Cypremort Point Yacht Club.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORD

PERIOD OF RECORD.--October 1997 to current year. Prior to October 1997 records for this site are located at Louisiana Department of Wildlife and Fisheries.

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

REMARKS.--Gage was destroyed. Elevations affected by wind and tide at all stages. Satellite telemetry with wind speed and direction at station.

EXTREMES FOR THE PERIOD OF RECORD.--Maximum recorded gage height, 5.07 ft, Sept. 11, 1998; minimum recorded gage height, -1.84 ft, Feb. 27, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.92 ft, July 14; minimum gage height, -1.20 ft, Feb. 17.

[illegible]

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1				1.77	0.29	1.17	1.69	0.81	1.19	2.83	0.78	1.87
2				1.65	0.04	0.99	1.74	0.81	1.18	2.42	0.78	1.72
3				---	---	---	1.89	0.81	1.48	2.66	0.65	1.67
4				2.32	0.82	1.65	2.27	1.09	1.77	3.01	0.44	2.15
5				2.25	1.26	1.79	2.30	0.98	1.64	3.84	2.46	3.31
6				1.94	0.82	1.46	3.01	0.96	2.28	3.81	2.78	3.30
7				1.92	0.73	1.40	2.69	1.17	2.03	3.59	2.20	2.95
8				2.20	0.75	1.57	2.63	0.78	1.74	3.30	1.76	2.67
9				1.86	0.86	1.29	0.78	-0.40	-0.17	3.44	2.46	2.83
10				2.04	0.20	1.22	0.85	-0.67	0.18	3.72	2.53	3.08
11				2.38	0.44	1.46	1.59	-0.56	0.49	3.33	1.44	2.26
12				2.16	0.65	1.50	1.38	-0.29	0.69	1.90	0.87	1.38
13	1.56	-0.41	0.61	1.90	0.34	1.18	1.48	0.01	0.79	2.08	1.21	1.59
14	1.83	-0.22	0.89	1.92	0.43	1.30	1.47	0.33	0.96	2.59	0.86	1.81
15	1.85	-0.03	1.07	2.24	0.45	1.38	1.46	0.40	1.01	2.69	0.36	1.78
16	1.83	-0.82	0.09	2.82	0.91	1.87	2.17	1.00	1.69	2.76	0.36	1.91
17	0.67	-1.20	-0.45	2.37	0.87	1.81	2.23	0.46	1.38	3.74	0.66	2.27
18	1.33	-0.25	0.69	2.99	1.36	2.16	1.96	0.19	1.24	2.03	0.20	1.24
19	1.69	0.08	0.88	2.73	1.45	2.25	2.75	0.42	1.85	2.13	-0.06	1.26
20	1.20	0.28	0.73	2.82	1.26	2.06	2.62	0.63	1.74	2.06	0.21	1.26
21	2.74	0.55	1.61	---	---	---	1.94	0.49	1.23	1.86	0.41	1.10
22	2.49	-0.48	0.57	1.95	0.22	1.33	2.82	0.21	1.48	1.59	-0.14	0.81
23	2.31	-0.47	1.03	1.37	0.20	0.95	2.97	0.81	1.85	1.88	0.18	0.92
24	1.96	0.48	1.30	1.92	0.09	1.16	3.16	1.61	2.47	2.02	0.71	1.32
25	1.94	-0.11	0.94	2.30	0.62	1.54	3.37	1.21	1.80	1.82	1.08	1.46
26	2.19	0.21	1.25	1.75	0.43	1.10	1.85	0.39	1.09	2.10	0.70	1.51
27	1.76	0.05	0.97	2.43	0.16	1.36	2.24	1.09	1.67	1.96	0.45	1.29
28	1.81	-0.03	0.96	2.52	1.22	1.97	2.31	1.53	1.90	1.85	0.45	1.40
29	---	---	---	1.82	-0.62	0.26	2.53	1.65	2.02	1.75	0.28	1.13
30	---	---	---	0.20	-0.29	-0.12	2.74	1.46	2.09	2.12	0.28	1.12
31	---	---	---	1.55	-0.10	0.83	---	---	---	2.32	0.27	1.30
MONTH	---	---	---	---	---	---	3.37	-0.67	1.43	3.84	-0.14	1.80
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.94	-0.06	1.03	2.31	0.41	1.57	---	---	---	---	---	---
2	2.42	-0.05	1.52	2.45	0.78	1.80	---	---	---	---	---	---
3	2.63	0.69	1.75	2.83	1.13	2.01	---	---	---	---	---	---
4	2.41	0.65	1.51	2.84	1.11	1.93	---	---	---	---	---	---
5	2.41	0.66	1.73	2.64	1.49	2.00	---	---	---	---	---	---
6	2.90	1.10	1.89	2.68	1.51	2.03	---	---	---	---	---	---
7	1.90	0.59	1.23	2.54	1.63	2.07	---	---	---	---	---	---
8	1.47	0.64	1.04	2.44	0.99	1.91	---	---	---	---	---	---
9	1.84	0.90	1.34	2.72	0.95	1.86	---	---	---	---	---	---
10	2.36	0.84	1.81	2.79	0.44	1.78	---	---	---	---	---	---
11	3.12	0.78	2.01	2.52	0.37	1.66	---	---	---	---	---	---
12	3.13	0.48	1.97	2.60	0.37	1.62	---	---	---	---	---	---
13	2.88	0.48	1.89	3.00	0.92	2.29	---	---	---	---	---	---
14	2.55	0.66	1.82	3.92	1.18	2.95	---	---	---	---	---	---
15	2.95	0.45	1.71	3.86	2.10	3.07	---	---	---	---	---	---
16	2.67	0.56	1.59	2.79	1.47	2.15	---	---	---	---	---	---
17	2.47	0.34	1.66	2.32	0.89	1.62	---	---	---	---	---	---
18	2.33	0.77	1.67	1.97	0.83	1.41	---	---	---	---	---	---
19	2.31	0.95	1.70	1.92	1.00	1.46	---	---	---	---	---	---
20	2.57	1.27	1.92	1.63	0.81	1.23	---	---	---	---	---	---
21	2.46	1.49	1.95	1.65	0.71	1.23	---	---	---	---	---	---
22	2.03	1.08	1.67	---	---	---	---	---	---	---	---	---
23	1.94	1.11	1.67	---	---	---	---	---	---	---	---	---
24	2.48	0.98	1.74	---	---	---	---	---	---	---	---	---
25	2.78	0.95	1.91	---	---	---	---	---	---	---	---	---
26	2.68	0.86	1.85	---	---	---	---	---	---	---	---	---
27	2.75	0.43	1.75	---	---	---	---	---	---	---	---	---
28	2.59	0.43	1.66	---	---	---	---	---	---	---	---	---
29	2.93	0.69	2.27	---	---	---	---	---	---	---	---	---
30	3.79	0.68	2.39	---	---	---	---	---	---	2.35	0.42	1.39
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	3.79	-0.06	1.72	---	---	---	---	---	---	---	---	---

07387040 VERMILION BAY NEAR CYPREMORT POINT, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1997 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: April 1997 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records good.

SALINITY: Records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 33,500 microsiemens/cm, July 22, 26, 2000; minimum, 283 microsiemens/cm, Mar. 17, 1998.

SALINITY: Maximum, 14.0 ppt, Oct. 1, 2002; minimum, 0.3 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.3°C, July 22, 2002; minimum, 3.0°C, Jan. 3, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 23,200 microsiemens/cm, Oct. 1; minimum, 557 microsiemens/cm, Mar. 30.

SALINITY: Maximum, 14.0 ppt, Oct. 1; minimum, 0.3 ppt, on many days.

WATER TEMPERATURE: Maximum, 31.7°C, June 23; minimum, 11.6°C, Feb. 17.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	2,350	1,800	2,070	721	574	657	4,100	3,110	3,720
2	---	---	---	2,180	1,790	1,940	770	668	696	3,430	3,230	3,310
3	---	---	---	---	---	---	788	666	704	3,460	3,290	3,350
4	---	---	---	1,980	1,770	1,840	803	691	728	3,470	2,270	3,240
5	---	---	---	2,030	1,700	1,870	788	686	735	3,370	2,090	2,740
6	---	---	---	2,020	1,720	1,870	726	614	654	3,400	1,370	2,500
7	---	---	---	1,890	1,580	1,650	686	568	616	3,300	1,110	2,030
8	---	---	---	1,730	1,520	1,590	730	558	624	3,570	2,520	3,040
9	---	---	---	1,670	1,430	1,550	811	565	668	3,960	1,830	3,020
10	---	---	---	1,560	1,410	1,450	805	673	714	4,010	2,360	2,960
11	---	---	---	1,530	1,340	1,400	784	618	688	4,650	1,620	3,020
12	---	---	---	1,540	1,300	1,390	3,580	668	1,260	4,620	3,880	4,390
13	3,300	3,170	3,250	1,540	1,240	1,350	5,560	2,890	4,150	4,680	4,250	4,460
14	3,200	2,600	2,870	1,470	1,230	1,290	7,390	5,370	6,370	4,800	3,970	4,460
15	2,800	2,010	2,490	1,470	1,130	1,260	6,820	5,270	6,100	4,470	4,000	4,300
16	2,610	1,530	2,210	1,310	1,010	1,150	7,100	4,350	6,350	4,520	3,140	4,230
17	2,620	1,840	2,360	1,280	990	1,120	6,600	4,380	5,640	4,290	2,050	3,710
18	2,360	1,880	2,130	1,180	938	1,010	5,060	4,160	4,610	4,220	3,870	4,130
19	2,390	1,860	2,200	1,050	910	969	5,160	4,660	4,930	4,270	3,970	4,200
20	2,400	2,280	2,350	1,330	807	935	5,160	3,510	4,780	4,250	4,070	4,210
21	2,470	1,680	2,140	1,350	771	990	4,300	2,240	3,280	4,220	4,100	4,170
22	2,640	2,190	2,430	1,220	817	935	2,770	2,150	2,470	4,240	4,130	4,200
23	2,550	2,400	2,470	1,230	686	874	2,750	2,150	2,410	4,200	3,360	4,000
24	2,580	2,450	2,530	869	619	693	2,850	2,200	2,530	3,800	3,360	3,560
25	2,530	2,450	2,490	787	677	718	3,230	2,480	2,780	3,750	3,540	3,600
26	2,530	2,450	2,470	842	634	696	3,320	2,560	3,000	3,540	3,280	3,400
27	2,530	2,380	2,460	920	581	691	2,860	2,560	2,650	3,580	3,190	3,360
28	2,450	2,180	2,380	836	590	639	4,140	2,700	3,490	3,600	3,240	3,360
29	---	---	---	---	---	---	4,170	2,920	3,580	3,330	3,050	3,140
30	---	---	---	---	---	---	4,190	3,380	3,870	3,340	2,860	2,990
31	---	---	---	749	630	682	---	---	---	3,320	2,880	3,030
MONTH	---	---	---	---	---	---	7,390	558	2,720	4,800	1,110	3,540
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3,620	2,910	3,250	2,890	2,700	2,770	---	---	---	---	---	---
2	3,210	2,700	3,010	3,930	2,720	3,300	---	---	---	---	---	---
3	3,720	2,520	2,720	3,850	3,350	3,650	---	---	---	---	---	---
4	4,800	3,560	4,260	3,480	2,990	3,200	---	---	---	---	---	---
5	4,850	4,420	4,620	3,280	3,080	3,180	---	---	---	---	---	---
6	4,830	3,000	4,220	3,340	2,200	2,860	---	---	---	---	---	---
7	4,760	4,330	4,600	3,140	2,190	2,550	---	---	---	---	---	---
8	5,820	4,590	5,270	2,760	2,130	2,490	---	---	---	---	---	---
9	5,420	4,420	5,020	2,910	2,440	2,600	---	---	---	---	---	---
10	4,820	4,200	4,630	2,700	2,360	2,560	---	---	---	---	---	---
11	4,490	3,680	4,340	2,720	2,230	2,440	---	---	---	---	---	---
12	4,240	3,100	3,960	2,450	1,810	2,140	---	---	---	---	---	---
13	3,160	2,810	2,940	2,210	1,650	1,890	---	---	---	---	---	---
14	3,440	2,960	3,200	2,230	945	1,920	---	---	---	---	---	---
15	3,810	3,430	3,590	3,290	2,010	2,550	---	---	---	---	---	---
16	4,110	3,510	3,720	3,080	2,440	2,860	---	---	---	---	---	---
17	4,300	3,720	3,920	2,790	2,400	2,540	---	---	---	---	---	---
18	4,190	4,030	4,140	2,460	2,110	2,320	---	---	---	---	---	---
19	4,070	3,870	4,010	2,450	2,200	2,330	---	---	---	---	---	---
20	4,090	3,360	3,840	2,470	2,310	2,400	---	---	---	---	---	---
21	3,910	2,250	3,530	2,640	2,220	2,400	---	---	---	---	---	---
22	3,710	2,130	3,160	---	---	---	---	---	---	---	---	---
23	2,860	2,020	2,680	---	---	---	---	---	---	---	---	---
24	3,000	2,620	2,800	---	---	---	---	---	---	---	---	---
25	2,900	1,970	2,710	---	---	---	---	---	---	---	---	---
26	2,980	2,320	2,780	---	---	---	---	---	---	---	---	---
27	2,850	2,610	2,740	---	---	---	---	---	---	---	---	---
28	2,830	2,520	2,630	---	---	---	---	---	---	---	---	---
29	2,710	1,020	2,340	---	---	---	---	---	---	---	---	---
30	2,840	1,440	2,440	---	---	---	---	---	---	12,800	12,100	12,600
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	5,820	1,020	3,570	---	---	---	---	---	---	---	---	---

07387040 VERMILION BAY NEAR CYPREMORT POINT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.0	8.2	11.3	---	---	---	---	---	---	---	---	---
2	12.9	8.6	10.9	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	1.2	0.9	1.1	0.4	0.3	0.3	2.2	1.6	2.0
2	---	---	---	1.1	0.9	1.0	0.4	0.3	0.3	1.8	1.7	1.7
3	---	---	---	---	---	---	0.4	0.3	0.3	1.8	1.7	1.8
4	---	---	---	1.0	0.9	0.9	0.4	0.3	0.4	1.8	1.2	1.7
5	---	---	---	1.0	0.9	0.9	0.4	0.3	0.4	1.8	1.1	1.4
6	---	---	---	1.0	0.9	0.9	0.4	0.3	0.3	1.8	0.7	1.3
7	---	---	---	1.0	0.8	0.8	0.3	0.3	0.3	1.7	0.5	1.0
8	---	---	---	0.9	0.8	0.8	0.4	0.3	0.3	1.9	1.3	1.6
9	---	---	---	0.8	0.7	0.8	0.4	0.3	0.3	2.1	0.9	1.6
10	---	---	---	0.8	0.7	0.7	0.4	0.3	0.4	2.1	1.2	1.5
11	---	---	---	0.8	0.7	0.7	0.4	0.3	0.3	2.5	0.8	1.6
12	---	---	---	0.8	0.6	0.7	1.9	0.3	0.6	2.5	2.0	2.3
13	1.7	1.6	1.7	0.8	0.6	0.7	3.0	1.5	2.2	2.5	2.3	2.4
14	1.7	1.3	1.5	0.7	0.6	0.6	4.1	2.9	3.5	2.6	2.1	2.4
15	1.4	1.0	1.3	0.7	0.6	0.6	3.7	2.8	3.3	2.4	2.1	2.3
16	1.3	0.8	1.1	0.7	0.5	0.6	3.9	2.3	3.5	2.4	1.6	2.2
17	1.3	0.9	1.2	0.6	0.5	0.6	3.6	2.3	3.0	2.3	1.0	2.0
18	1.2	1.0	1.1	0.6	0.5	0.5	2.7	2.2	2.5	2.2	2.0	2.2
19	1.2	0.9	1.1	0.5	0.4	0.5	2.8	2.5	2.6	2.3	2.1	2.2
20	1.2	1.2	1.2	0.7	0.4	0.5	2.8	1.8	2.6	2.3	2.2	2.2
21	1.3	0.8	1.1	0.7	0.4	0.5	2.3	1.1	1.7	2.2	2.2	2.2
22	1.4	1.1	1.2	0.6	0.4	0.5	1.4	1.1	1.3	2.2	2.2	2.2
23	1.3	1.2	1.3	0.6	0.3	0.4	1.4	1.1	1.2	2.2	1.8	2.1
24	1.3	1.3	1.3	0.4	0.3	0.3	1.5	1.1	1.3	2.0	1.8	1.9
25	1.3	1.3	1.3	0.4	0.3	0.4	1.7	1.3	1.4	2.0	1.9	1.9
26	1.3	1.3	1.3	0.4	0.3	0.3	1.7	1.3	1.6	1.9	1.7	1.8
27	1.3	1.2	1.3	0.5	0.3	0.3	1.5	1.3	1.4	1.9	1.7	1.8
28	1.3	1.1	1.2	0.4	0.3	0.3	2.2	1.4	1.8	1.9	1.7	1.8
29	---	---	---	---	---	---	2.2	1.5	1.9	1.7	1.6	1.6
30	---	---	---	---	---	---	2.2	1.8	2.0	1.7	1.5	1.5
31	---	---	---	0.4	0.3	0.3	---	---	---	1.7	1.5	1.6
MONTH	---	---	---	---	---	---	4.1	0.3	1.4	2.6	0.5	1.9

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

07387040 VERMILION BAY NEAR CYPRE MORT POINT, LA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.3	25.5	26.5	---	---	---	---	---	---	---	---	---
2	27.2	26.1	26.8	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	13.9	13.0	13.5	17.3	15.0	16.1	27.2	24.5	25.7
2	---	---	---	14.1	13.5	13.8	18.5	16.7	17.5	27.3	25.6	26.4
3	---	---	---	---	---	---	20.3	17.7	18.8	28.3	26.0	27.0
4	---	---	---	13.4	12.5	12.9	20.3	19.1	19.7	28.0	26.5	27.2
5	---	---	---	14.1	13.2	13.6	20.9	19.8	20.4	27.2	26.2	26.7
6	---	---	---	14.7	14.0	14.3	22.4	20.6	21.7	27.2	26.0	26.6
7	---	---	---	16.3	14.5	15.3	22.1	21.2	21.9	27.2	26.2	26.7
8	---	---	---	16.4	15.6	15.9	21.4	19.6	20.9	27.8	26.4	27.1
9	---	---	---	19.7	15.9	17.5	19.6	13.9	16.4	27.8	26.6	27.2
10	---	---	---	19.6	18.7	19.1	15.2	12.0	13.9	27.7	26.7	27.3
11	---	---	---	19.3	18.0	18.5	16.9	14.7	15.7	28.6	26.8	27.4
12	---	---	---	19.2	18.4	18.7	18.8	15.7	17.1	28.1	26.5	27.1
13	13.7	12.2	13.0	19.4	18.7	19.1	21.7	17.4	19.0	27.9	26.1	26.8
14	15.3	13.3	14.3	20.8	18.4	19.5	22.3	19.1	20.3	28.2	26.1	26.9
15	15.8	14.7	15.1	21.1	19.4	20.2	23.7	20.5	21.5	27.9	26.5	27.1
16	14.7	12.6	14.0	20.3	19.9	20.1	22.4	20.8	21.6	28.0	26.4	27.1
17	13.4	11.6	12.6	21.4	19.8	20.5	24.1	21.7	22.8	27.7	26.7	27.2
18	14.1	12.3	13.2	21.0	20.2	20.6	24.3	23.1	23.6	28.3	26.2	27.2
19	14.6	13.0	13.8	21.0	19.6	20.3	24.3	23.0	23.5	29.3	27.3	28.0
20	15.1	13.9	14.6	20.9	19.5	20.2	24.4	23.4	23.8	30.0	27.9	28.8
21	16.2	14.9	15.4	20.0	18.8	19.3	25.5	23.4	24.2	29.6	28.3	28.9
22	15.6	14.4	14.9	20.2	18.6	19.2	25.0	23.3	24.0	28.8	26.8	27.6
23	15.2	13.5	14.5	21.0	19.1	19.9	23.3	22.8	23.0	28.1	25.3	26.9
24	16.4	14.7	15.4	21.2	19.5	20.1	23.5	22.9	23.2	28.0	26.0	27.0
25	15.8	14.4	14.8	20.7	19.7	20.2	25.0	23.1	23.8	28.1	26.4	27.2
26	14.8	14.4	14.6	20.4	19.5	20.0	25.0	22.5	23.8	28.4	26.8	27.6
27	14.4	13.2	13.9	21.4	18.6	20.1	25.3	23.2	24.2	27.8	27.0	27.4
28	13.6	13.0	13.3	22.0	20.0	20.7	25.4	23.8	24.3	27.5	26.0	26.7
29	---	---	---	20.4	16.9	18.8	25.9	23.7	24.5	27.4	25.8	26.5
30	---	---	---	15.6	13.9	14.8	26.1	24.0	24.7	27.5	25.6	26.6
31	---	---	---	16.2	13.6	15.1	---	---	---	27.7	26.1	26.9
MONTH	---	---	---	---	---	---	26.1	12.0	21.2	30.0	24.5	27.1

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA

LOCATION.--Lat 29°40'28", long 92°08'08", sec. 3, T. 16 S., R. 3 E., Vermilion Parish, Hydrologic Unit 08080102, on platform near Louisiana Department of Wildlife and Fisheries boatshed in Bayou Fearman.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is assumed.

REMARKS.--Gage height affected by wind and tide at all stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.76 ft, Oct. 3, 2002; minimum gage height, 1.40 ft, Dec. 3, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.76 ft, Oct. 3; minimum gage height, 1.82 ft, Apr. 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.94	5.18	6.15	6.56	5.02	5.91	5.71	4.10	4.96	5.83	2.97	4.03
2	7.23	5.88	6.72	6.76	5.30	6.03	6.06	4.52	5.42	6.02	3.31	4.37
3	11.76	6.02	8.94	7.20	6.01	6.60	6.52	4.44	5.50	5.14	2.78	3.76
4	7.74	5.76	7.04	6.86	4.91	6.06	6.59	4.76	5.64	6.01	3.89	4.94
5	7.04	5.53	6.31	7.13	5.47	6.26	5.13	2.57	3.67	6.01	3.87	4.98
6	6.76	5.36	5.95	5.69	3.07	4.26	5.62	3.19	4.17	5.67	3.85	4.85
7	6.68	4.83	5.89	6.44	4.13	5.20	5.89	4.06	5.07	5.31	4.03	4.65
8	7.14	5.01	5.90	6.75	4.64	5.78	5.91	4.03	5.01	5.18	3.79	4.41
9	7.43	5.41	6.48	6.87	4.70	5.85	6.01	4.19	5.13	5.51	4.45	4.83
10	7.43	5.08	6.35	6.90	5.02	5.92	5.75	3.95	4.78	5.51	3.53	4.43
11	6.75	4.54	5.62	7.02	4.82	5.80	6.27	5.03	5.46	5.64	4.11	4.94
12	6.95	4.56	5.83	6.09	3.38	4.54	6.69	5.59	6.15	5.80	4.37	5.09
13	6.78	4.45	5.56	5.60	3.64	4.73	6.56	3.32	4.61	5.70	4.49	5.03
14	6.13	4.80	5.51	6.52	5.60	6.09	5.20	3.11	3.99	5.32	3.57	4.51
15	6.22	4.41	5.35	6.48	4.46	5.72	5.66	4.23	5.06	5.82	3.72	4.77
16	5.90	4.42	5.44	4.58	3.08	3.63	5.78	4.39	5.18	5.88	4.00	4.99
17	6.76	5.24	6.09	5.53	3.22	4.33	6.35	4.55	5.48	4.34	1.85	2.91
18	6.92	5.25	6.32	6.03	4.82	5.50	6.72	4.93	5.95	5.40	3.78	4.62
19	6.95	5.88	6.38	5.74	4.00	5.00	6.56	4.74	5.69	5.67	3.51	4.56
20	6.71	5.55	6.13	6.08	4.14	5.13	5.55	3.04	4.11	6.00	3.91	4.97
21	6.38	5.02	5.68	5.85	3.74	4.82	6.43	4.48	5.42	5.70	4.11	5.06
22	6.80	4.89	5.76	5.68	3.70	4.73	6.44	4.10	5.26	5.62	4.11	4.85
23	6.80	5.18	6.19	6.24	4.22	5.12	7.11	5.07	5.89	4.45	2.64	3.35
24	6.99	4.95	5.97	6.32	4.43	5.47	7.15	3.14	5.04	5.49	3.79	4.64
25	7.09	5.61	6.52	6.37	4.33	5.39	4.88	2.93	3.39	5.50	4.50	5.08
26	6.68	4.83	5.88	6.36	4.17	5.24	5.77	4.77	5.08	5.87	4.17	5.05
27	7.17	5.43	6.44	5.41	3.65	4.47	5.77	4.68	5.12	6.20	4.09	5.06
28	7.24	4.98	6.08	5.41	4.04	4.71	5.61	4.28	4.97	6.24	4.52	5.49
29	7.19	5.17	6.19	5.55	4.80	5.11	6.30	4.52	5.47	5.97	4.24	5.21
30	7.12	4.87	5.89	5.99	4.67	5.25	6.91	4.83	5.92	5.93	3.81	4.87
31	6.37	5.11	5.67	---	---	---	6.95	3.89	5.26	5.94	4.16	5.12
MONTH	11.76	4.41	6.14	7.20	3.07	5.29	7.15	2.57	5.09	6.24	1.85	4.69

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.86	3.87	4.82	6.04	4.65	5.46	5.84	5.04	5.43	6.71	4.94	5.92
2	5.88	4.10	5.05	5.90	4.46	5.30	6.10	5.11	5.56	6.38	4.75	5.70
3	5.92	4.65	5.43	6.31	5.35	5.81	6.39	5.08	5.90	6.60	4.59	5.63
4	5.45	3.48	4.47	6.54	5.33	5.94	6.60	5.46	6.11	6.92	4.57	6.08
5	6.33	4.69	5.42	6.65	5.67	6.11	6.54	5.28	5.94	7.73	6.48	7.19
6	6.48	4.64	5.72	6.21	5.22	5.80	7.33	5.33	6.51	7.59	6.72	7.20
7	4.64	3.39	3.79	6.10	4.99	5.63	7.11	5.42	6.30	7.44	6.28	6.85
8	---	---	---	6.49	5.07	5.87	6.68	5.25	5.99	7.36	5.69	6.67
9	---	---	---	6.30	5.10	5.65	5.25	1.82	3.02	7.35	6.36	6.84
10	---	---	---	6.39	4.67	5.60	4.06	2.57	3.32	7.56	6.53	6.95
11	---	---	---	6.70	4.71	5.75	5.14	3.12	4.00	7.12	5.43	6.16
12	---	---	---	6.55	4.95	5.81	4.80	3.56	4.30	5.93	5.02	5.48
13	6.29	4.44	5.60	6.34	4.61	5.46	5.16	3.82	4.64	6.01	5.02	5.59
14	6.57	4.55	5.59	6.38	4.71	5.63	5.62	4.35	5.10	6.35	4.73	5.76
15	6.55	4.87	5.79	6.63	4.86	5.75	5.85	4.75	5.34	6.57	4.57	5.74
16	6.14	3.51	4.55	7.23	5.59	6.35	6.43	4.89	5.70	6.80	4.50	5.94
17	5.38	3.35	4.10	6.70	5.25	6.15	6.06	4.46	5.34	7.12	4.61	5.98
18	6.16	4.59	5.44	7.03	5.81	6.48	5.91	4.18	5.23	6.19	4.01	5.21
19	6.40	4.86	5.62	6.87	5.72	6.38	6.77	4.66	5.94	6.16	4.00	5.24
20	6.22	5.04	5.52	6.73	5.31	6.03	6.73	4.84	5.78	6.16	4.17	5.24
21	7.07	5.43	6.25	5.75	4.63	5.22	6.09	4.36	5.26	5.90	4.39	5.16
22	6.28	3.72	4.62	6.23	4.41	5.54	6.70	4.37	5.52	5.77	3.81	4.82
23	6.57	3.66	5.12	5.83	4.32	5.19	7.31	4.96	6.10	5.95	4.12	4.99
24	6.26	4.54	5.52	6.27	4.25	5.33	7.24	5.73	6.51	6.11	4.69	5.32
25	6.25	4.24	5.34	6.66	4.79	5.81	6.80	5.15	5.78	5.89	4.98	5.37
26	6.55	4.58	5.56	6.00	4.86	5.56	6.02	4.21	5.09	5.95	4.84	5.50
27	5.91	4.15	5.08	6.74	4.49	5.62	6.38	5.32	5.72	5.90	4.48	5.37
28	6.13	4.22	5.16	6.69	5.40	6.19	6.25	5.34	5.89	5.98	4.48	5.35
29	---	---	---	6.12	3.60	4.43	6.46	5.68	6.12	5.70	4.17	5.04
30	---	---	---	4.32	3.51	3.91	6.66	5.44	6.14	5.86	4.17	5.02
31	---	---	---	5.73	3.90	4.93	---	---	---	6.04	4.09	5.08
MONTH	---	---	---	7.23	3.51	5.64	7.33	1.82	5.45	7.73	3.81	5.75
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5.94	3.85	4.88	6.33	4.15	5.46	5.69	4.25	5.07	7.35	5.91	6.77
2	6.38	3.95	5.39	6.45	4.72	5.75	5.75	4.54	5.18	7.07	5.22	6.34
3	6.56	4.77	5.77	6.68	4.99	5.88	5.66	4.62	5.18	6.99	4.87	6.03
4	6.31	4.61	5.61	6.65	4.87	5.82	5.71	4.50	5.23	6.70	4.60	5.73
5	6.59	4.77	5.91	6.60	5.33	5.99	5.81	4.29	5.27	6.97	4.58	5.84
6	6.82	5.17	5.92	6.71	5.57	6.07	5.88	3.99	5.03	6.60	4.67	5.72
7	6.14	4.56	5.32	6.66	5.61	6.13	5.71	3.28	4.67	6.63	4.75	5.84
8	5.79	4.49	5.07	6.36	5.01	5.88	5.76	3.83	4.87	6.85	4.87	6.09
9	6.06	4.82	5.34	6.59	4.84	5.81	6.36	3.90	5.36	7.17	5.17	6.49
10	6.17	4.86	5.70	6.58	4.48	5.69	6.19	4.15	5.30	6.89	5.69	6.37
11	6.97	4.74	5.89	6.36	4.45	5.57	6.11	4.15	5.17	6.96	5.50	6.28
12	6.75	4.81	5.96	6.62	4.45	5.68	6.45	4.14	5.56	7.40	6.00	6.84
13	6.92	4.65	5.88	7.16	4.72	6.33	6.44	4.67	5.79	7.35	5.99	6.62
14	6.54	4.30	5.66	8.19	5.46	7.16	6.28	5.14	5.79	6.68	5.30	6.00
15	6.49	4.42	5.64	7.90	6.29	7.27	6.98	4.97	5.84	6.67	5.26	6.05
16	6.81	4.43	5.56	6.77	5.46	6.14	6.74	5.38	5.98	6.71	5.40	6.17
17	6.46	4.44	5.67	6.14	4.81	5.54	6.34	4.64	5.61	6.90	5.51	6.27
18	6.43	4.82	5.67	6.06	4.68	5.42	5.91	4.65	5.32	6.91	5.26	6.14
19	6.41	4.83	5.67	5.91	4.96	5.29	5.97	4.51	5.36	6.96	5.05	6.05
20	6.49	5.05	5.88	5.38	4.61	5.03	6.05	4.46	5.36	6.87	5.64	6.19
21	6.48	5.43	5.92	5.36	4.43	4.94	6.23	4.42	5.33	7.36	5.46	6.54
22	6.21	5.13	5.70	5.72	4.08	4.99	6.37	4.72	5.57	6.97	4.74	5.91
23	6.01	5.01	5.65	5.74	3.72	4.84	6.46	4.70	5.66	6.50	4.77	5.93
24	6.27	4.86	5.65	5.83	3.90	4.95	6.52	4.79	5.79	6.92	5.29	6.34
25	6.64	5.06	5.88	5.91	3.98	5.06	6.73	4.84	6.12	6.85	5.61	6.26
26	6.57	4.82	5.78	6.24	4.13	5.28	6.83	5.22	6.16	7.12	5.82	6.55
27	6.63	4.66	5.76	6.23	4.16	5.28	6.70	5.15	6.17	7.08	5.64	6.33
28	6.56	4.60	5.73	6.13	4.15	5.25	6.77	5.23	6.20	6.42	4.97	5.80
29	7.08	4.91	6.45	6.12	4.10	5.25	6.88	5.63	6.28	6.78	5.21	5.93
30	8.17	4.53	6.67	6.13	4.19	5.24	8.06	6.20	7.17	6.81	5.05	6.09
31	---	---	---	5.94	4.08	5.14	7.92	6.86	7.26	---	---	---
MONTH	8.17	3.85	5.72	8.19	3.72	5.62	8.06	3.28	5.63	7.40	4.58	6.18

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1999 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: June 1999 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 1-14, Jan. 25-Feb. 13, Mar. 19-Apr. 15, 19-21, 23-28, June 14-23, July 24, July 31-Aug. 1, and Aug. 6-20 when records good; Oct. 15, and Nov. 7 when records fair; and Nov. 8-Dec. 30 when records poor.

SALINITY: Records excellent except for Oct. 1-14, Jan. 25-Feb. 13, Mar. 19-Apr. 15, 19-21, 23-28, June 14-23, July 24, July 31-Aug. 1, and Aug. 6-20 when records good; Oct. 15, and Nov. 7 when records fair; and Nov. 8-Dec. 30 when records poor.

WATER TEMPERATURE: Rated good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily 29,600 microsiemens/cm, Sept. 11, 2000; minimum daily, 946 microsiemens/cm, July 31, 2002.

SALINITY: Maximum, 14.5 ppt, July 24, 2003; minimum, 1.0 ppt, Mar. 29, 2003.

WATER TEMPERATURE: Maximum daily 35.9°C, July 23, 1999; minimum daily, 0.4°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 24,000 microsiemens/cm, July 24; minimum, 1,990 microsiemens/cm, Mar. 29.

SALINITY: Maximum, 14.5 ppt, July 24; minimum, 1.0 ppt, Mar. 29.

WATER TEMPERATURE: Maximum, 34.2°C, Aug. 19; minimum, 5.2°C, Dec. 6.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	4,240	2,880	3,640	3,150	2,770	2,960	9,710	7,610	8,700
2	---	---	---	4,110	2,360	3,560	3,480	2,930	3,210	9,310	8,310	8,690
3	---	---	---	4,000	3,390	3,720	3,720	3,330	3,570	9,360	6,310	7,750
4	---	---	---	5,450	3,530	4,560	11,100	3,620	5,390	8,720	6,630	7,700
5	---	---	---	5,060	4,300	4,510	13,600	4,340	10,800	7,660	4,470	5,970
6	---	---	---	4,550	2,900	4,170	13,100	9,640	10,800	6,850	4,820	5,820
7	---	---	---	4,090	2,360	3,540	10,900	7,960	9,510	6,390	5,380	5,960
8	---	---	---	3,670	3,010	3,500	8,400	4,650	6,490	6,660	5,280	6,080
9	---	---	---	3,560	2,910	3,260	4,850	3,580	4,070	6,310	3,080	5,470
10	---	---	---	3,430	2,550	3,010	4,350	3,140	3,570	5,290	2,100	3,050
11	---	---	---	3,160	2,680	2,860	4,390	2,860	3,570	6,030	2,750	4,170
12	---	---	---	3,110	2,770	2,890	4,330	3,050	3,740	6,690	3,830	5,230
13	6,870	4,980	5,710	3,820	2,940	3,300	4,530	3,100	4,010	6,780	3,770	4,700
14	5,750	4,870	5,290	3,940	3,310	3,720	6,490	3,800	5,100	6,400	4,080	5,000
15	6,140	5,020	5,800	3,860	3,580	3,740	7,750	4,930	6,400	6,490	4,120	4,950
16	6,300	5,040	5,440	4,030	3,520	3,720	10,800	6,030	8,770	6,610	3,660	4,550
17	5,900	3,150	5,240	4,040	3,660	3,880	11,700	5,960	9,160	5,420	3,910	4,360
18	4,420	3,150	3,650	3,970	3,640	3,820	10,500	5,480	9,020	6,130	4,610	5,120
19	4,160	3,580	3,850	3,870	3,430	3,590	11,500	7,330	10,300	7,110	4,230	5,190
20	4,190	3,720	3,980	3,710	3,230	3,570	11,400	9,350	10,700	6,180	4,370	5,080
21	7,920	3,980	5,840	3,700	2,750	3,460	10,900	8,520	10,000	6,860	4,610	5,670
22	7,420	3,730	4,880	3,560	2,620	3,140	10,900	8,130	9,790	6,900	4,890	5,830
23	6,160	4,640	5,200	3,670	2,550	2,990	12,800	9,580	11,000	6,860	4,580	5,440
24	5,810	4,200	5,100	3,760	2,520	2,860	12,800	10,500	12,000	5,630	4,550	4,850
25	5,500	3,910	4,820	2,910	2,420	2,750	12,500	10,300	11,500	5,300	4,630	4,850
26	4,800	3,970	4,480	2,970	2,690	2,790	11,700	8,900	10,300	5,380	4,680	4,860
27	4,760	2,640	3,910	3,040	2,530	2,830	11,400	9,880	10,900	5,330	4,800	5,030
28	4,550	3,040	3,730	2,940	2,650	2,870	10,800	9,290	9,690	5,200	4,730	4,950
29	---	---	---	3,070	1,990	2,650	9,740	9,290	9,520	5,450	4,660	4,970
30	---	---	---	4,090	3,040	3,650	9,830	9,110	9,520	5,560	4,800	5,040
31	---	---	---	4,050	2,900	3,230	---	---	---	5,550	4,770	4,970
MONTH	---	---	---	5,450	1,990	3,410	13,600	2,770	7,850	9,710	2,100	5,480
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5,620	4,860	5,130	4,710	4,260	4,530	13,000	7,400	11,000	18,100	15,100	17,000
2	5,470	4,710	4,910	4,690	3,970	4,430	11,700	7,380	9,760	17,700	13,400	16,000
3	4,840	3,970	4,510	4,420	3,190	3,600	11,200	7,270	9,600	18,600	12,200	15,100
4	4,720	4,070	4,540	3,730	3,350	3,450	11,100	6,740	9,130	17,700	9,820	13,900
5	4,880	4,630	4,800	3,600	3,190	3,400	10,700	6,630	8,900	15,400	11,400	13,600
6	4,830	4,610	4,730	3,680	3,290	3,450	12,900	6,540	9,300	17,700	11,100	15,100
7	5,050	4,530	4,780	3,820	3,390	3,550	19,200	6,550	13,200	17,100	11,300	15,200
8	5,200	4,650	4,970	3,820	3,320	3,590	16,900	7,030	13,600	16,900	11,300	15,700
9	5,390	5,160	5,250	3,820	3,290	3,560	15,200	7,590	12,400	15,200	13,300	14,900
10	5,390	5,060	5,160	3,780	3,220	3,590	14,500	9,850	13,500	15,200	14,100	14,800
11	5,420	5,160	5,300	3,810	3,210	3,600	14,000	10,900	12,900	15,100	14,200	14,800
12	5,480	5,220	5,400	3,770	3,220	3,600	13,300	10,400	12,600	15,500	14,500	15,000
13	5,450	5,260	5,360	3,970	3,440	3,780	13,700	10,500	12,700	15,300	12,600	14,000
14	5,380	4,880	5,220	3,920	3,720	3,840	13,700	11,700	13,000	14,700	10,500	12,500
15	5,250	4,870	5,130	4,080	3,850	3,980	14,700	12,200	14,000	14,500	11,600	12,800
16	5,240	4,820	5,070	4,040	3,890	3,970	15,000	13,600	14,200	14,200	12,000	13,000
17	5,230	4,830	5,080	3,900	3,440	3,680	21,300	12,900	16,900	14,000	12,200	13,500
18	5,400	5,110	5,240	3,540	3,160	3,310	20,600	12,800	15,900	14,100	11,000	13,100
19	5,430	5,140	5,270	3,370	3,250	3,290	18,300	13,300	15,700	14,500	10,200	12,600
20	5,340	4,780	5,030	3,400	3,260	3,320	19,400	15,200	17,200	14,200	13,300	13,800
21	4,960	4,410	4,720	3,480	2,940	3,310	19,900	12,600	16,700	14,200	12,100	13,500
22	4,700	3,940	4,350	12,700	2,300	2,970	19,100	14,100	17,500	14,000	7,910	11,400
23	4,870	3,850	4,490	15,300	4,210	6,880	18,600	13,600	16,900	12,800	7,520	11,000
24	4,620	3,850	4,340	24,000	4,030	15,700	18,800	14,100	18,000	13,300	7,590	11,700
25	4,500	4,110	4,350	11,600	6,300	9,370	18,500	15,900	18,100	12,800	9,440	11,700
26	4,670	4,020	4,440	9,470	5,880	8,050	18,300	16,400	17,700	12,500	10,400	11,700
27	4,860	3,880	4,450	8,620	5,920	7,730	18,600	15,600	17,400	13,400	10,000	11,800
28	4,600	3,720	4,180	8,200	5,550	7,340	17,300	15,500	16,700	12,700	9,730	11,100
29	4,760	3,870	4,570	9,740	5,000	7,240	17,400	15,100	16,700	13,400	10,800	12,500
30	4,800	4,430	4,650	12,600	5,530	8,590	18,200	15,700	17,300	14,100	12,200	13,300
31	---	---	---	13,000	6,310	10,300	18,000	15,000	16,900	---	---	---
MONTH	5,620	3,720	4,850	24,000	2,300	5,190	21,300	6,540	14,400	18,600	7,520	13,500

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	4.8	3.9	4.4	5.3	2.5	3.9	---	---	---	---	---	---
2	5.3	4.6	4.9	5.1	2.5	4.4	---	---	---	---	---	---
3	8.2	4.6	6.0	5.2	3.4	4.6	---	---	---	---	---	---
4	7.0	4.4	5.3	3.8	3.5	3.7	---	---	---	---	---	---
5	7.4	4.3	5.1	3.8	2.5	3.1	---	---	---	---	---	---
6	6.5	4.4	5.4	2.5	1.6	2.0	---	---	---	---	---	---
7	6.2	5.1	5.5	2.2	1.6	1.9	---	---	---	---	---	---
8	6.1	4.8	5.4	2.5	1.6	2.1	---	---	---	---	---	---
9	5.9	4.6	5.3	3.0	1.8	2.3	---	---	---	---	---	---
10	6.3	4.2	5.2	2.9	2.3	2.6	---	---	---	---	---	---
11	6.4	4.0	4.7	2.6	1.7	2.3	---	---	---	---	---	---
12	5.7	4.3	4.9	2.2	1.5	1.9	---	---	---	---	---	---
13	4.6	3.9	4.3	2.2	1.9	2.1	---	---	---	---	---	---
14	4.4	4.0	4.3	---	---	---	---	---	---	---	---	---
15	4.3	3.1	3.8	---	---	---	---	---	---	---	---	---
16	3.9	3.1	3.5	---	---	---	---	---	---	---	---	---
17	3.9	3.2	3.8	---	---	---	---	---	---	---	---	---
18	4.0	3.6	3.9	---	---	---	---	---	---	---	---	---
19	4.1	3.9	3.9	---	---	---	---	---	---	---	---	---
20	4.4	3.9	4.1	---	---	---	---	---	---	---	---	---
21	5.0	3.8	4.2	---	---	---	---	---	---	---	---	---
22	5.4	3.8	4.5	---	---	---	---	---	---	---	---	---
23	5.0	4.2	4.7	---	---	---	---	---	---	---	---	---
24	5.1	3.8	4.6	---	---	---	---	---	---	---	---	---
25	5.1	4.3	4.8	---	---	---	---	---	---	---	---	---
26	5.0	3.1	4.1	---	---	---	---	---	---	---	---	---
27	5.4	4.0	4.8	---	---	---	---	---	---	---	---	---
28	4.7	2.9	3.7	---	---	---	---	---	---	---	---	---
29	5.0	2.9	4.0	---	---	---	---	---	---	---	---	---
30	4.6	2.3	3.3	---	---	---	---	---	---	---	---	---
31	3.9	2.1	2.7	---	---	---	---	---	---	---	---	---
MONTH	8.2	2.1	4.5	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	2.2	1.5	1.9	1.6	1.4	1.5	5.4	4.2	4.8
2	---	---	---	2.2	1.2	1.9	1.8	1.5	1.7	5.2	4.6	4.8
3	---	---	---	2.1	1.8	2.0	2.0	1.7	1.9	5.2	3.4	4.3
4	---	---	---	2.9	1.8	2.4	6.3	1.9	2.9	4.9	3.6	4.2
5	---	---	---	2.7	2.3	2.4	7.8	2.3	6.1	4.2	2.4	3.2
6	---	---	---	2.4	1.5	2.2	7.5	5.4	6.1	3.7	2.6	3.1
7	---	---	---	2.2	1.2	1.9	6.2	4.4	5.3	3.5	2.9	3.2
8	---	---	---	1.9	1.6	1.8	4.7	2.5	3.5	3.6	2.8	3.3
9	---	---	---	1.9	1.5	1.7	2.6	1.9	2.2	3.4	1.6	2.9
10	---	---	---	1.8	1.3	1.6	2.3	1.6	1.9	2.8	1.1	1.6
11	---	---	---	1.6	1.4	1.5	2.3	1.5	1.9	3.3	1.4	2.2
12	---	---	---	1.6	1.4	1.5	2.3	1.6	2.0	3.7	2.0	2.8
13	3.8	2.7	3.1	2.0	1.5	1.7	2.4	1.6	2.1	3.7	2.0	2.5
14	3.1	2.6	2.8	2.1	1.7	2.0	3.5	2.0	2.7	3.5	2.2	2.7
15	3.3	2.7	3.1	2.0	1.9	2.0	4.3	2.6	3.5	3.5	2.2	2.7
16	3.4	2.7	2.9	2.1	1.8	2.0	6.1	3.3	4.9	3.6	1.9	2.4
17	3.2	1.6	2.8	2.1	1.9	2.0	6.6	3.2	5.1	2.9	2.1	2.3
18	2.4	1.6	1.9	2.1	1.9	2.0	6.0	2.9	5.0	3.3	2.5	2.7
19	2.2	1.9	2.0	2.0	1.8	1.9	6.5	4.0	5.8	3.9	2.2	2.8
20	2.2	2.0	2.1	2.0	1.7	1.9	6.5	5.2	6.1	3.4	2.3	2.7
21	4.4	2.1	3.2	1.9	1.4	1.8	6.2	4.7	5.6	3.8	2.5	3.1
22	4.1	2.0	2.6	1.9	1.3	1.6	6.2	4.5	5.5	3.8	2.6	3.2
23	3.3	2.5	2.8	1.9	1.3	1.6	7.4	5.4	6.2	3.8	2.4	2.9
24	3.1	2.2	2.7	2.0	1.3	1.5	7.4	6.0	6.9	3.0	2.4	2.6
25	3.0	2.1	2.6	1.5	1.2	1.4	7.2	5.8	6.5	2.8	2.5	2.6
26	2.6	2.1	2.4	1.5	1.4	1.4	6.6	5.0	5.8	2.9	2.5	2.6
27	2.5	1.4	2.1	1.6	1.3	1.5	6.5	5.5	6.1	2.9	2.6	2.7
28	2.4	1.6	2.0	1.5	1.4	1.5	6.1	5.2	5.4	2.8	2.5	2.6
29	---	---	---	1.6	1.0	1.4	5.5	5.2	5.3	2.9	2.5	2.7
30	---	---	---	2.2	1.6	1.9	5.5	5.1	5.3	3.0	2.6	2.7
31	---	---	---	2.1	1.5	1.7	---	---	---	3.0	2.5	2.7
MONTH	---	---	---	2.9	1.0	1.8	7.8	1.4	4.4	5.4	1.1	3.0

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.0	2.6	2.8	2.5	2.3	2.4	7.5	4.1	6.2	10.7	8.8	10
2	2.9	2.5	2.6	2.5	2.1	2.4	6.6	4.1	5.5	10.4	7.7	9.4
3	2.6	2.1	2.4	2.4	1.7	1.9	6.3	4.0	5.4	11.0	7.0	8.8
4	2.5	2.2	2.4	2.0	1.7	1.8	6.3	3.7	5.1	10.4	5.5	8.0
5	2.6	2.5	2.6	1.9	1.7	1.8	6.1	3.6	5.0	9.0	6.5	7.8
6	2.6	2.5	2.5	1.9	1.7	1.8	7.4	3.6	5.2	10.4	6.3	8.8
7	2.7	2.4	2.6	2.0	1.8	1.9	11.4	3.6	7.6	10.1	6.4	8.8
8	2.8	2.5	2.7	2.0	1.7	1.9	9.9	3.9	7.9	9.9	6.4	9.1
9	2.9	2.8	2.8	2.0	1.7	1.9	8.9	4.2	7.1	8.9	7.6	8.6
10	2.9	2.7	2.8	2.0	1.7	1.9	8.4	5.5	7.8	8.9	8.1	8.6
11	2.9	2.8	2.8	2.0	1.7	1.9	8.1	6.2	7.4	8.8	8.2	8.6
12	2.9	2.8	2.9	2.0	1.7	1.9	7.6	5.9	7.2	9.0	8.4	8.7
13	2.9	2.8	2.9	2.1	1.8	2.0	7.9	6.0	7.3	8.9	7.2	8.1
14	2.9	2.6	2.8	2.1	2.0	2.0	7.9	6.6	7.5	8.6	6.0	7.2
15	2.8	2.6	2.8	2.2	2.0	2.1	8.6	7.0	8.1	8.4	6.6	7.3
16	2.8	2.6	2.7	2.1	2.1	2.1	8.7	7.8	8.2	8.2	6.8	7.5
17	2.8	2.6	2.7	2.1	1.8	1.9	12.8	7.4	9.9	8.1	7.0	7.7
18	2.9	2.7	2.8	1.9	1.6	1.7	12.3	7.4	9.3	8.1	6.2	7.5
19	2.9	2.8	2.8	1.8	1.7	1.7	10.8	7.6	9.2	8.4	5.8	7.2
20	2.9	2.6	2.7	1.8	1.7	1.7	11.5	8.9	10.1	8.2	7.6	8.0
21	2.7	2.3	2.5	1.8	1.5	1.7	11.8	7.2	9.8	8.2	6.9	7.8
22	2.5	2.1	2.3	7.3	1.2	1.5	11.4	8.1	10.3	8.1	4.4	6.5
23	2.6	2.0	2.4	8.9	2.2	3.8	11.0	7.8	9.9	7.4	4.1	6.2
24	2.5	2.0	2.3	14.5	2.1	9.2	11.1	8.1	10.6	7.6	4.2	6.7
25	2.4	2.2	2.3	6.6	3.4	5.2	10.9	9.3	10.7	7.4	5.3	6.6
26	2.5	2.1	2.4	5.3	3.2	4.5	10.8	9.6	10.4	7.2	5.9	6.7
27	2.6	2.0	2.4	4.8	3.2	4.3	11.0	9.1	10.2	7.7	5.6	6.7
28	2.5	2.0	2.2	4.5	3.0	4.0	10.2	9.0	9.8	7.3	5.5	6.3
29	2.5	2.0	2.4	5.5	2.7	4.0	10.2	8.8	9.8	7.7	6.1	7.2
30	2.6	2.4	2.5	7.2	3.0	4.8	10.7	9.1	10.2	8.1	7.0	7.7
31	---	---	---	7.5	3.4	5.8	10.6	8.7	9.9	---	---	---
MONTH	3.0	2.0	2.6	14.5	1.2	2.8	12.8	3.6	8.3	11.0	4.1	7.8

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	31.1	27.7	28.9	20.5	18.2	19.6	14.8	11.7	12.7	---	---	---
2	29.0	27.8	28.4	18.6	16.1	17.4	13.6	11.0	12.6	---	---	---
3	27.8	25.3	26.1	18.9	16.8	17.7	15.4	13.6	14.4	---	---	---
4	28.0	25.1	26.4	18.9	18.0	18.4	17.9	14.6	16.2	---	---	---
5	28.3	26.7	27.4	20.2	18.5	19.2	16.0	8.2	11.5	---	---	---
6	29.8	26.1	27.8	18.6	15.6	17.4	10.4	5.2	8.1	---	---	---
7	28.6	26.9	27.9	19.4	14.0	16.8	10.8	7.3	9.1	---	---	---
8	27.4	25.0	26.2	20.0	15.9	17.8	11.7	9.0	10.1	---	---	---
9	26.6	24.8	25.7	22.6	18.1	20.0	11.2	9.2	10.3	---	---	---
10	27.3	24.6	25.7	24.3	20.1	22.1	12.0	9.5	10.6	---	---	---
11	26.4	24.2	25.2	24.3	21.8	23.1	12.3	10.1	10.9	---	---	---
12	27.2	23.3	25.2	22.6	16.8	19.6	11.1	10.6	10.8	---	---	---
13	26.2	22.5	24.6	17.9	15.5	16.7	13.2	10.7	11.9	---	---	---
14	22.9	20.5	21.9	17.4	15.7	16.8	12.2	10.1	11.3	---	---	---
15	21.8	19.0	20.6	18.8	17.1	17.7	12.8	10.7	11.8	---	---	---
16	21.5	19.0	19.8	17.1	12.3	15.0	14.3	11.5	13.0	---	---	---
17	21.9	18.9	20.2	13.9	11.0	12.4	15.6	13.7	14.6	---	---	---
18	21.9	20.1	21.0	15.8	13.1	14.4	17.3	15.2	16.2	---	---	---
19	23.8	21.2	22.4	17.8	15.5	16.9	18.6	16.9	17.7	---	---	---
20	23.4	22.5	23.0	18.6	17.0	17.5	16.9	14.1	15.5	---	---	---
21	22.8	21.9	22.5	18.6	15.8	16.9	15.5	13.2	14.7	---	---	---
22	22.7	21.1	21.9	17.4	14.7	16.1	18.7	15.2	16.8	---	---	---
23	22.4	21.6	22.0	15.7	13.0	14.5	18.2	17.9	18.0	---	---	---
24	24.3	21.8	22.8	17.1	13.7	15.2	18.3	11.4	16.3	---	---	---
25	24.0	23.0	23.3	19.6	15.1	17.0	11.8	7.5	9.9	---	---	---
26	23.8	22.9	23.2	18.9	17.0	17.7	10.8	9.1	9.7	---	---	---
27	24.6	22.9	23.7	17.1	12.0	13.7	11.2	8.8	9.7	---	---	---
28	24.5	23.7	24.1	12.6	9.6	11.6	12.7	9.2	10.7	---	---	---
29	23.9	23.4	23.6	12.8	9.8	11.6	14.0	11.6	13.0	---	---	---
30	25.5	22.7	23.8	15.0	12.5	13.4	---	---	---	---	---	---
31	23.5	20.0	21.4	---	---	---	---	---	---	---	---	---
MONTH	31.1	18.9	24.1	24.3	9.6	16.8	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	13.8	11.9	12.9	18.2	15.0	16.6	28.8	24.8	26.4
2	---	---	---	14.8	12.9	13.7	20.0	17.0	18.3	29.4	26.1	27.3
3	---	---	---	13.5	12.0	12.7	21.3	18.1	19.6	29.6	26.1	27.7
4	---	---	---	13.7	11.7	12.6	22.0	20.0	21.1	28.1	26.6	27.2
5	---	---	---	15.7	13.6	14.3	23.4	21.2	22.2	27.4	25.9	26.6
6	---	---	---	16.9	15.6	16.1	23.4	22.3	22.9	27.0	25.7	26.5
7	---	---	---	18.6	15.0	16.4	23.5	21.6	22.8	27.9	25.8	26.7
8	---	---	---	18.6	16.9	17.5	21.6	17.7	20.5	27.9	26.1	26.9
9	---	---	---	22.3	17.5	19.6	17.7	11.7	13.6	28.2	25.9	27.1
10	---	---	---	21.3	18.6	20.0	17.1	10.4	13.0	28.0	26.1	27.2
11	---	---	---	20.5	19.3	19.9	18.1	15.6	16.6	30.2	26.3	27.9
12	---	---	---	20.7	19.1	19.9	22.1	16.8	19.4	28.9	25.4	26.6
13	15.9	---	---	20.9	19.5	20.4	24.7	20.0	22.1	28.6	24.9	26.6
14	18.4	15.2	16.5	23.1	18.7	20.7	24.3	21.0	22.9	29.3	26.2	27.5
15	17.5	16.8	17.1	23.3	19.2	21.8	24.7	21.7	23.3	29.4	26.3	27.4
16	16.8	10.5	14.4	22.5	21.0	21.6	24.2	22.2	23.2	28.1	26.2	27.1
17	14.4	7.8	11.0	23.2	20.2	21.7	26.6	22.1	24.1	28.3	26.3	27.1
18	14.2	11.9	12.9	22.5	20.9	21.9	27.0	23.4	24.9	29.4	25.4	27.3
19	16.4	12.6	14.2	22.3	20.4	21.2	25.2	23.6	24.2	30.8	26.8	28.5
20	17.0	15.1	15.7	22.9	19.9	21.3	26.1	23.1	24.5	32.0	28.4	29.8
21	17.2	15.9	16.5	21.4	18.2	19.7	27.0	23.2	24.7	30.9	27.5	28.9
22	17.2	13.8	15.3	22.2	17.6	19.5	25.2	23.2	24.2	27.8	24.5	26.4
23	16.2	12.8	14.7	23.1	18.8	20.4	23.4	21.9	22.7	29.1	23.2	26.3
24	18.4	15.4	16.7	22.4	19.2	20.8	23.6	22.5	23.1	29.7	24.2	27.5
25	17.1	14.1	15.1	21.6	19.9	20.8	26.5	22.8	24.1	30.0	26.3	28.3
26	14.6	13.2	13.8	20.9	19.2	20.2	25.4	21.8	23.9	30.9	27.3	28.7
27	13.7	11.4	12.6	22.9	17.3	20.2	27.2	21.9	24.5	28.6	25.8	27.8
28	12.9	11.8	12.4	22.8	20.4	21.7	26.5	24.6	25.6	29.0	25.1	26.5
29	---	---	---	21.4	12.9	16.4	26.4	24.0	25.0	31.4	25.7	27.3
30	---	---	---	17.0	8.6	13.6	27.6	24.3	25.7	29.7	25.2	27.2
31	---	---	---	16.4	12.8	15.0	---	---	---	30.4	26.0	27.7
MONTH	---	---	---	23.3	8.6	18.5	27.6	10.4	22.0	32.0	23.2	27.4

07387050 VERMILION BAY (BAYOU FEARMAN) NEAR INTRACOASTAL CITY, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.0	26.5	28.2	29.5	25.1	26.9	33.1	28.0	29.6	29.8	27.5	28.4
2	29.5	27.5	28.5	29.9	27.0	28.1	31.7	29.1	30.1	31.6	28.3	29.8
3	28.8	27.0	27.8	29.1	27.8	28.4	32.9	28.9	30.5	33.7	29.1	31.1
4	27.7	26.5	27.1	28.3	27.4	27.8	34.1	29.2	31.3	31.8	29.1	30.7
5	27.1	25.7	26.6	29.8	26.8	28.1	31.9	29.4	30.8	30.2	26.5	28.9
6	28.5	26.0	27.0	29.8	27.4	28.5	33.1	28.9	30.8	28.5	26.1	27.0
7	31.2	26.5	28.5	31.6	27.2	29.2	33.4	29.1	30.7	30.2	26.3	27.6
8	32.2	27.5	29.6	33.4	29.1	30.6	34.1	29.7	31.4	30.6	27.2	29.0
9	33.7	28.6	31.2	33.9	30.1	31.5	33.7	30.3	31.5	29.6	28.0	28.8
10	31.7	29.9	30.7	31.6	29.4	30.7	34.0	29.6	31.0	29.9	27.9	28.7
11	30.5	28.9	29.6	29.7	28.0	29.1	31.5	28.1	30.1	30.0	28.0	28.8
12	30.2	28.2	29.0	32.2	28.0	29.4	28.9	27.7	28.2	28.6	27.0	27.9
13	29.9	27.1	28.3	31.2	29.0	30.0	28.1	26.5	27.5	28.2	26.1	27.2
14	29.4	27.1	28.2	29.6	27.5	28.4	31.5	26.7	28.6	31.3	26.8	28.6
15	29.0	27.1	28.2	29.6	26.7	28.0	30.0	28.1	29.2	30.5	28.0	29.0
16	28.6	26.7	27.4	32.4	27.7	29.6	33.5	28.4	30.3	29.7	26.9	28.3
17	29.6	26.9	27.9	32.7	27.8	30.0	33.3	29.4	31.0	29.4	27.0	28.1
18	31.6	27.9	29.4	31.7	27.1	29.2	33.6	29.3	31.3	29.9	26.9	28.3
19	31.6	28.9	30.3	32.1	28.4	30.5	34.2	29.7	31.8	29.5	26.8	28.2
20	31.3	28.7	29.7	32.6	28.8	30.5	33.5	29.8	31.5	28.5	26.7	27.7
21	31.4	27.9	29.4	33.8	28.5	30.8	31.3	29.2	30.2	26.8	25.2	26.1
22	33.0	28.9	30.8	32.2	29.0	30.3	32.8	28.7	30.0	27.1	24.6	25.6
23	33.8	30.5	32.1	31.7	28.4	29.9	32.4	29.7	30.4	27.4	24.7	25.8
24	34.1	31.1	32.4	31.9	28.7	29.9	32.4	29.5	30.5	28.3	26.2	27.2
25	33.4	31.0	31.9	30.8	28.8	29.4	31.2	30.0	30.6	29.4	26.5	27.9
26	31.7	29.8	30.5	32.0	28.6	29.7	30.2	29.1	29.7	29.5	27.4	28.3
27	30.7	28.7	29.8	33.6	28.9	30.7	31.5	29.0	29.9	30.2	27.5	28.6
28	31.5	28.4	29.4	32.3	29.8	31.0	31.1	29.2	30.0	28.4	25.3	26.8
29	30.1	28.7	29.3	31.7	29.3	30.2	31.1	29.0	29.8	25.3	22.1	23.0
30	28.9	26.0	27.4	32.0	28.8	30.1	30.0	27.4	28.6	22.7	19.8	21.1
31	---	---	---	30.1	28.9	29.5	28.7	26.4	27.6	---	---	---
MONTH	34.1	25.7	29.2	33.9	25.1	29.5	34.2	26.4	30.1	33.7	19.8	27.8

091300900 PIPELINE CANAL 7.7 MILES NORTH OF CHARENTON, LA

LOCATION.--Lat 29°58'29", long 91°30'09", St. Martin Parish, Hydrologic Unit 08080101, on a five-pile platform 7.7 miles north of Charenton, LA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1993 to September 1995, March 2003 to September 2003.

GAGE.--Water-stage recorder. Gage datum is assumed.

REMARKS.--Water level below recordable stage at times throughout the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 15.53 ft, May 10, 1994; minimum recorded gage height, 6.77 ft, May 13, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.08 ft, June 2; minimum gage height, 6.77 ft, May 13.

GAGE HEIGHT, FEET
WATER YEAR MARCH 2003 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							8.51	---	11.64	8.84	---	---
2							8.36	---	11.77	8.73	---	---
3							8.17	---	12.03	8.59	---	---
4							7.98	---	11.97	8.45	---	---
5							7.78	---	11.87	8.33	---	---
6							7.53	---	11.79	8.17	---	---
7							7.48	---	11.65	7.99	---	---
8							7.66	---	11.44	7.67	---	---
9							7.52	---	11.17	7.21	---	---
10							7.32	---	10.86	---	---	---
11							7.17	---	10.75	---	---	---
12							7.04	---	10.41	---	---	---
13							6.88	6.88	9.98	---	---	---
14							6.80	7.19	9.62	---	---	---
15							---	7.52	9.27	---	---	---
16							---	7.82	9.00	---	---	---
17							---	8.18	8.81	---	---	---
18							---	8.53	8.65	---	---	---
19							---	8.82	8.59	---	---	---
20							---	9.09	8.64	---	---	---
21							---	9.40	8.74	---	---	---
22							---	9.67	8.84	---	---	---
23							---	9.86	8.90	---	---	---
24							---	10.08	8.91	---	---	---
25						9.62	---	10.34	8.90	---	---	---
26						9.50	---	10.59	8.92	---	---	---
27						9.32	---	10.84	8.93	---	---	---
28						9.15	---	11.05	8.88	---	---	---
29						9.00	---	11.22	8.86	---	---	---
30						8.80	---	11.39	8.88	---	---	---
31						8.63	---	11.53	---	---	---	---
MAX						---	---	---	12.03	---	---	---
MIN						---	---	---	8.59	---	---	---

091325300 OVBANK AREA 14.6 MILES NORTH NORTHWEST OF CHARENTON LAKE, LA

LOCATION.--Lat 30°05'24", long 91°32'53", St. Martin Parish, Hydrologic Unit 08080101, on three-pile platform 14.6 mi north northwest of Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1993 to January 1998, April 2001 to current year.

GAGE.--Water-stage recorder. Stage is below recordable stage much of the year. Limited access to site. Datum of gage is to an assumed elevation.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 18.45 ft, June 7, 8, 2002; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.91 ft, June 2; minimum gage height, not determined.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	11.41	14.81	14.22	11.86	17.34	14.55	11.28	10.69
2	---	---	---	---	11.32	15.21	14.09	11.81	17.52	14.45	11.22	10.70
3	---	---	---	---	11.24	15.56	13.93	11.76	17.83	14.32	11.17	10.67
4	---	---	---	---	11.17	15.85	13.75	11.74	17.74	14.21	11.13	---
5	---	---	---	---	11.10	16.10	13.55	11.75	17.62	14.08	11.08	---
6	---	---	---	---	11.07	16.37	13.37	11.78	17.54	13.94	11.05	---
7	---	---	---	---	11.03	16.64	13.31	11.82	17.39	13.79	11.02	---
8	---	---	---	14.16	10.99	16.80	13.48	11.84	17.16	13.58	10.98	---
9	---	---	---	14.12	10.97	16.94	13.31	11.86	16.89	13.30	10.94	---
10	---	---	---	14.08	10.96	17.05	13.13	11.89	16.59	13.01	10.91	---
11	---	---	---	14.05	10.93	17.21	12.97	11.94	16.53	12.77	10.87	---
12	---	---	---	14.03	10.91	17.47	12.83	12.04	16.15	12.55	10.96	---
13	---	---	---	14.00	10.89	17.67	12.69	12.19	15.71	12.34	10.99	10.79
14	---	---	---	13.94	10.87	17.70	12.55	12.41	15.35	12.16	10.96	10.80
15	---	---	---	13.84	10.97	17.65	12.40	12.72	15.00	12.00	10.93	10.78
16	---	---	---	13.71	11.16	17.59	12.26	13.09	14.71	11.86	10.90	10.74
17	---	---	---	13.57	11.13	17.49	12.12	13.52	14.51	11.79	10.86	10.71
18	---	---	---	13.41	11.08	17.34	12.00	13.97	14.34	11.75	10.83	10.67
19	---	---	---	13.25	11.03	17.13	11.89	14.33	14.24	11.64	10.80	10.66
20	---	---	---	13.09	11.00	16.83	11.80	14.63	14.26	11.56	10.78	10.66
21	---	---	---	12.93	11.09	16.47	11.75	14.95	14.39	11.47	10.75	10.66
22	---	---	---	12.76	11.20	16.15	11.78	15.25	14.48	11.43	10.73	10.76
23	---	---	---	12.58	11.34	15.87	11.85	15.47	14.54	11.44	10.71	10.77
24	---	---	---	12.40	11.69	15.62	11.92	15.70	14.57	11.41	10.69	10.75
25	---	---	---	12.23	12.28	15.39	12.00	15.96	14.57	11.45	10.70	10.72
26	---	---	---	12.10	12.95	15.20	12.05	16.23	14.59	11.52	10.68	10.69
27	---	---	---	11.96	13.68	15.02	12.08	16.49	14.60	11.52	10.66	10.67
28	---	---	---	11.83	14.31	14.85	12.06	16.70	14.57	11.47	10.65	---
29	---	---	---	11.71	---	14.68	12.00	16.89	14.55	11.42	10.65	---
30	---	---	---	11.62	---	14.50	11.93	17.07	14.56	11.37	10.65	---
31	---	---	---	11.51	---	14.35	---	17.23	---	11.33	10.67	---
MAX	---	---	---	---	14.31	17.70	14.22	17.23	17.83	14.55	11.28	---
MIN	---	---	---	---	10.87	14.35	11.75	11.74	14.24	11.33	10.65	---

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA

LOCATION.--Lat 29°19'28", long 89°56'26", Jefferson Parish, Hydrologic Unit 08090301, on a three pile platform, 2.0 miles east of Grand Isle Coast Guard Station.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.066 ft below NAVD 88.

REMARKS.--Stage affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 5.67 ft, June 30, 2003; minimum gage height recorded, 1.08 ft, Jan. 3, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.67 ft, June 30; minimum gage height, 1.08 ft, Jan. 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	3.68	3.03	3.37	---	---	---	3.48	1.87	2.67
2	---	---	---	3.64	3.22	3.47	---	---	---	3.17	2.01	2.59
3	---	---	---	4.04	3.45	3.72	---	---	---	2.93	1.08	1.90
4	---	---	---	4.28	2.96	3.56	3.71	2.04	2.84	3.00	1.43	2.18
5	---	---	---	4.50	3.43	3.95	3.48	1.58	2.49	2.99	1.54	2.22
6	---	---	---	3.90	2.12	2.88	3.26	1.57	2.40	3.01	1.75	2.37
7	---	---	---	3.69	2.14	2.89	3.20	1.67	2.37	2.75	1.58	2.11
8	---	---	---	3.82	2.14	2.93	3.07	1.72	2.35	2.39	1.70	2.06
9	4.88	3.45	4.08	4.10	2.52	3.23	3.35	2.12	2.66	2.87	2.26	2.49
10	5.00	3.56	4.22	4.17	2.85	3.47	3.46	2.37	2.85	2.85	2.39	2.63
11	4.85	3.24	3.98	4.07	2.86	3.46	3.20	2.44	2.81	2.70	1.93	2.31
12	4.70	3.10	3.85	3.82	2.30	2.84	3.38	2.51	2.73	2.67	2.00	2.36
13	4.30	3.05	3.65	2.98	2.45	2.66	3.51	2.23	2.74	2.91	2.19	2.54
14	4.07	3.30	3.71	3.19	2.81	2.99	2.72	1.98	2.32	3.06	1.66	2.34
15	4.39	3.43	3.89	3.36	2.83	3.18	2.89	2.00	2.43	2.93	1.71	2.35
16	4.05	3.43	3.75	2.96	2.28	2.74	3.02	1.91	2.45	3.28	1.82	2.46
17	3.99	3.34	3.68	2.80	2.07	2.42	3.50	2.01	2.71	2.79	1.10	1.86
18	3.90	3.38	3.63	2.93	2.11	2.50	3.63	2.18	2.86	2.84	1.63	2.23
19	3.97	3.76	3.85	3.05	1.81	2.40	3.94	2.39	3.13	2.96	1.21	2.01
20	4.00	3.45	3.71	3.65	2.02	2.91	3.50	1.95	2.61	2.96	1.47	2.15
21	3.97	3.36	3.66	3.44	1.95	2.64	3.48	2.15	2.77	2.95	1.83	2.38
22	4.11	3.13	3.59	---	---	---	3.33	1.83	2.56	2.98	2.21	2.51
23	4.25	3.36	3.78	---	---	---	3.88	2.13	2.91	2.35	1.55	1.85
24	4.30	3.03	3.63	---	---	---	3.87	2.49	3.00	2.19	1.86	2.00
25	4.43	3.19	3.76	---	---	---	2.98	1.66	2.29	2.44	1.73	2.09
26	4.43	3.12	3.70	---	---	---	2.53	1.78	2.14	3.02	1.69	2.39
27	4.44	3.10	3.75	---	---	---	2.20	1.92	2.05	2.92	1.64	2.28
28	4.50	3.12	3.77	---	---	---	2.47	1.86	2.13	3.18	1.74	2.43
29	4.38	3.01	3.81	---	---	---	2.95	1.73	2.32	3.40	1.77	2.59
30	4.32	3.01	3.60	---	---	---	3.68	1.93	2.82	3.49	1.91	2.61
31	3.84	3.00	3.43	---	---	---	3.68	2.42	3.17	3.17	1.86	2.51
MONTH	---	---	---	---	---	---	---	---	---	3.49	1.08	2.31

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3.10	1.79	2.42	3.46	2.46	2.98	2.65	2.43	2.54	3.91	2.75	3.39
2	3.20	1.87	2.50	3.40	2.39	2.85	2.97	2.65	2.79	3.68	2.63	3.18
3	3.44	2.16	2.78	3.46	2.62	3.02	3.40	2.79	3.07	3.74	2.32	3.11
4	3.41	2.14	2.62	3.51	3.04	3.24	3.63	2.79	3.23	3.94	2.32	3.22
5	2.96	2.33	2.60	3.40	3.08	3.25	3.76	2.73	3.29	4.37	2.91	3.69
6	3.05	2.72	2.89	3.31	2.80	3.12	3.98	2.77	3.48	4.32	2.98	3.63
7	2.97	2.14	2.51	3.31	2.64	3.02	4.04	2.72	3.44	4.28	2.86	3.60
8	2.82	2.09	2.50	3.59	2.64	3.17	4.10	2.62	3.37	4.00	2.75	3.45
9	3.34	2.30	2.88	3.43	2.55	3.05	3.40	1.83	2.70	3.89	2.89	3.47
10	3.13	2.24	2.73	3.43	2.47	2.95	3.09	1.60	2.39	3.92	3.02	3.54
11	3.38	1.85	2.63	3.59	2.30	2.99	3.31	1.91	2.63	3.52	3.09	3.39
12	2.88	2.24	2.58	3.61	2.52	3.07	3.28	1.95	2.63	3.09	2.75	2.87
13	3.40	2.04	2.70	3.81	2.28	2.97	3.08	2.24	2.71	3.19	2.57	2.90
14	3.82	1.99	2.85	3.64	2.40	3.01	2.90	2.30	2.59	3.52	2.58	3.10
15	3.81	2.38	3.07	3.71	2.52	3.14	2.97	2.47	2.65	3.84	2.23	3.12
16	3.65	2.53	2.98	4.06	2.81	3.44	3.49	2.69	3.12	3.79	2.28	3.04
17	3.12	1.82	2.45	3.94	2.97	3.45	3.70	2.48	3.18	4.14	2.26	3.24
18	3.12	1.93	2.42	4.13	3.17	3.56	3.69	2.29	3.03	4.06	2.21	3.18
19	3.03	2.39	2.62	4.17	3.24	3.68	3.87	2.29	3.16	3.89	2.18	3.09
20	2.80	2.58	2.69	3.79	2.99	3.46	4.03	2.32	3.20	3.68	2.19	2.89
21	3.55	2.66	3.27	3.46	2.21	3.00	3.77	2.28	3.10	3.44	2.17	2.85
22	3.49	2.02	3.08	3.49	2.08	2.87	3.70	2.31	3.05	3.24	2.19	2.73
23	3.47	1.95	2.81	3.41	2.03	2.77	3.79	2.35	3.13	2.94	2.16	2.59
24	3.24	2.18	2.73	3.44	2.09	2.81	4.01	2.93	3.49	3.08	2.55	2.83
25	3.39	1.95	2.68	3.79	2.10	2.99	3.71	3.06	3.41	2.98	2.67	2.86
26	3.93	2.14	3.07	3.91	2.45	3.21	3.36	2.76	3.14	3.12	2.40	2.81
27	3.67	2.44	3.04	4.05	2.81	3.47	3.22	2.90	3.10	3.15	2.19	2.71
28	3.52	2.12	2.80	3.93	2.88	3.41	3.33	3.03	3.18	3.08	2.19	2.65
29	---	---	---	3.57	2.51	2.88	3.54	3.09	3.31	3.23	2.07	2.68
30	---	---	---	2.51	1.95	2.17	3.74	3.01	3.41	3.30	1.93	2.65
31	---	---	---	2.64	2.18	2.36	---	---	---	3.34	1.84	2.62
MONTH	3.93	1.79	2.75	4.17	1.95	3.08	4.10	1.60	3.05	4.37	1.84	3.07
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.25	1.87	2.55	---	---	---	3.31	2.47	2.94	---	---	---
2	3.43	1.91	2.71	---	---	---	3.17	2				

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 2001 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 2001 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: December 2001 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for June 20-July 7 when records good.

SALINITY: Records excellent except for June 20-July 7 when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 50,900 microsiemens/cm, July 23, 2003; minimum, 6,900 microsiemens/cm, July 10, 11, 2003.

SALINITY: Maximum, 33.4 ppt, July 23, 2003; Minimum, 3.8 ppt, July 10, 11, 2003.

WATER TEMPERATURE: Maximum, 37.5°C, Sept. 13, 2002; minimum, 5.4°C, Jan. 4, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 50,900 microsiemens/cm, July 23; minimum, 6,900 microsiemens/cm, July 10, 11.

SALINITY: Maximum, 33.4 ppt, July 23; minimum, 3.8 ppt, July 10, 11.

WATER TEMPERATURE: Maximum, 32.3°C, Aug. 9; minimum, 8.0°C, Jan. 19, 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	29,000	20,400	25,100	---	---	---	48,500	28,500	37,100
2	---	---	---	38,100	22,300	31,400	---	---	---	49,700	28,600	38,700
3	---	---	---	43,900	37,000	40,700	---	---	---	47,900	17,600	30,600
4	---	---	---	42,800	31,300	39,000	39,100	35,400	37,000	48,000	18,900	33,500
5	---	---	---	42,400	38,200	40,600	39,100	33,300	35,900	44,600	22,700	38,200
6	---	---	---	41,500	23,900	30,900	40,200	33,000	35,700	44,600	30,300	35,700
7	---	---	---	40,500	18,100	28,300	41,000	31,400	36,300	35,500	30,400	32,700
8	---	---	---	38,800	14,300	27,600	40,100	29,000	35,500	40,600	24,800	31,800
9	29,200	17,700	23,100	38,300	25,000	32,800	41,600	35,600	38,200	48,100	40,000	44,700
10	30,800	17,500	25,400	40,200	28,500	34,100	43,400	38,900	41,200	48,100	29,800	38,400
11	34,200	15,200	22,700	40,200	23,200	33,000	42,300	38,900	41,200	41,600	24,100	34,400
12	37,200	17,000	26,800	30,900	14,200	20,800	41,300	39,200	40,500	43,700	36,500	39,800
13	35,100	14,900	21,400	39,300	15,900	25,800	43,500	30,900	37,500	45,200	36,800	42,000
14	35,900	15,800	29,100	42,300	35,300	39,000	46,800	27,700	34,100	43,900	32,000	38,700
15	40,900	18,300	30,800	43,000	32,300	41,200	48,400	27,800	43,900	42,800	34,500	38,900
16	43,000	23,400	36,400	32,300	23,700	29,200	44,700	31,500	40,500	42,100	34,600	39,500
17	41,500	31,000	37,300	44,900	20,600	30,300	44,400	38,400	41,500	42,000	30,800	35,500
18	39,100	26,800	34,300	45,300	24,500	38,000	43,100	38,700	40,600	43,400	33,500	38,900
19	41,300	36,000	39,400	41,600	16,700	30,600	40,100	38,600	39,500	43,400	25,600	36,200
20	41,300	33,000	36,200	38,300	22,800	32,600	48,200	36,200	40,800	42,900	31,300	38,000
21	36,200	23,000	32,100	42,400	27,900	33,500	48,300	34,600	39,900	43,900	35,200	39,200
22	33,900	22,500	27,600	---	---	---	47,200	31,600	38,700	42,800	32,200	38,100
23	34,800	27,400	31,100	---	---	---	40,700	35,100	38,200	32,800	30,300	31,600
24	36,000	27,800	31,400	---	---	---	43,500	34,900	37,700	44,700	30,000	37,400
25	33,800	31,600	32,700	---	---	---	37,000	26,300	31,400	45,300	37,200	42,500
26	33,600	27,000	31,300	---	---	---	43,200	29,700	36,100	44,900	34,400	41,400
27	34,200	28,700	31,600	---	---	---	44,400	33,500	39,300	45,000	37,000	42,300
28	34,100	30,400	32,100	---	---	---	43,500	32,800	39,800	44,800	39,500	42,700
29	33,100	29,000	31,000	---	---	---	41,400	27,200	37,100	44,700	40,200	43,000
30	31,200	20,400	26,000	---	---	---	39,900	30,600	35,200	44,700	38,400	41,500
31	24,700	17,500	22,100	---	---	---	41,300	28,800	32,500	42,400	39,900	41,300
MONTH	---	---	---	---	---	---	---	---	---	49,700	17,600	38,200

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	41,900	39,600	41,000	37,000	34,100	35,700	39,800	35,500	38,200	33,200	31,600	32,300
2	41,800	38,900	40,500	36,700	35,400	36,000	37,200	29,300	33,100	32,900	32,100	32,600
3	42,400	39,900	40,900	38,900	35,200	37,000	32,100	28,700	29,700	33,400	31,900	32,700
4	43,000	39,900	41,000	40,500	37,200	38,800	29,300	27,700	28,400	34,200	31,700	33,200
5	40,600	38,100	39,900	38,700	38,100	38,400	28,200	27,200	27,900	35,500	31,900	34,000
6	42,800	40,400	41,700	38,300	34,100	36,700	27,800	26,000	27,100	34,200	32,400	33,300
7	41,500	38,500	40,100	37,600	31,000	34,900	27,000	23,400	25,300	32,500	29,300	31,500
8	43,800	39,100	41,700	35,400	31,600	33,200	26,800	23,300	25,300	34,000	28,000	31,300
9	46,100	42,500	45,000	34,200	30,100	32,500	27,900	15,300	22,200	29,900	25,300	27,800
10	46,000	42,900	45,200	31,600	25,800	28,700	47,700	7,070	29,000	29,800	27,000	28,200
11	44,900	40,200	43,100	29,700	27,500	28,500	49,400	14,000	36,000	33,800	29,100	31,400
12	44,600	42,000	43,100	30,000	21,200	25,900	47,300	21,800	35,800	35,800	30,300	32,100
13	44,700	39,100	42,100	28,200	18,000	23,600	44,500	28,000	36,900	32,500	29,100	30,700
14	44,200	40,600	42,300	29,000	20,200	24,500	44,500	28,700	40,300	31,300	29,500	30,400
15	42,000	37,600	40,600	25,900	20,900	23,400	43,700	35,900	41,200	33,000	29,400	31,300
16	43,400	37,400	40,400	23,700	19,400	21,600	41,700	38,500	39,900	34,100	29,400	31,900
17	46,200	37,300	40,800	22,000	19,400	20,800	39,700	36,700	38,500	35,900	29,100	32,600
18	46,400	38,500	42,100	21,500	20,000	20,800	43,400	34,400	39,300	36,400	28,400	32,700
19	43,900	41,900	42,600	21,300	20,100	20,900	40,900	34,200	38,000	37,700	28,200	33,000
20	43,300	40,500	42,500	22,200	20,100	21,000	38,000	29,200	33,600	35,000	26,900	30,800
21	40,500	33,600	36,100	22,900	21,200	22,300	34,400	29,700	32,100	31,700	26,600	28,600
22	42,700	33,600	39,100	39,800	19,900	28,000	33,900	30,200	32,800	30,400	26,600	28,400
23	43,700	35,000	40,300	35,500	20,100	28,000	36,100	28,400	32,300	30,500	27,000	28,800
24	41,400	36,500	39,200	33,200	18,200	27,100	35,800	30,800	32,800	33,600	28,800	31,200
25	39,200	35,100	36,300	28,300	20,800	23,500	35,200	31,900	34,300	32,500	30,800	31,700
26	36,200	34,400	35,400	23,300	19,200	20,800	36,900	33,700	35,000	34,100	30,700	32,200
27	41,300	34,300	36,300	21,200	18,800	19,900	35,900	33,100	34,800	35,400	29,100	31,800
28	39,300	33,700	35,300	21,100	18,800	19,900	34,900	32,800	34,200</			

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	17.9	12.1	15.3	---	---	---	31.6	17.5	23.5
2	---	---	---	24.1	13.4	19.5	---	---	---	32.5	17.6	24.6
3	---	---	---	28.3	23.4	26.0	---	---	---	31.2	10.4	19.1
4	---	---	---	27.5	19.4	24.8	24.9	22.3	23.4	31.3	11.2	21.2
5	---	---	---	27.2	24.2	26.0	24.9	20.8	22.6	28.8	13.7	24.3
6	---	---	---	26.6	14.5	19.2	25.6	20.6	22.5	28.8	18.8	22.5
7	---	---	---	25.9	10.7	17.5	26.2	19.5	22.9	22.3	18.9	20.4
8	---	---	---	24.7	8.3	17.0	25.6	17.9	22.4	25.9	15.0	19.9
9	18.0	10.4	14.0	24.3	15.2	20.5	26.7	22.4	24.3	31.4	25.5	28.9
10	19.1	10.3	15.5	25.6	17.5	21.4	28.0	24.8	26.4	31.4	18.4	24.4
11	21.5	8.9	13.7	25.6	14.0	20.7	27.1	24.8	26.4	26.7	14.6	21.6
12	23.6	10.0	16.5	19.2	8.2	12.5	26.5	25.0	25.9	28.2	23.1	25.4
13	22.1	8.7	12.9	25.0	9.3	15.8	28.0	19.2	23.8	29.2	23.3	27.0
14	22.6	9.2	18.0	27.1	22.2	24.8	30.4	17.0	21.4	28.3	19.9	24.6
15	26.2	10.8	19.2	27.6	20.2	26.3	31.6	17.1	28.3	27.5	21.7	24.8
16	27.6	14.2	23.0	20.2	14.4	18.0	28.8	19.6	25.9	27.0	21.8	25.1
17	26.6	19.2	23.6	29.0	12.3	18.9	28.6	24.4	26.6	26.9	19.1	22.4
18	24.9	16.4	21.5	29.3	14.8	24.2	27.7	24.6	26.0	28.0	20.9	24.7
19	26.5	22.7	25.1	26.7	9.8	19.0	25.6	24.5	25.1	28.0	15.6	22.9
20	26.5	20.6	22.9	24.3	13.7	20.4	31.4	22.8	26.1	27.6	19.4	24.1
21	22.8	13.9	20.0	27.2	17.2	21.0	31.5	21.8	25.5	28.3	22.1	25.0
22	21.2	13.5	17.0	---	---	---	30.7	19.6	24.6	27.5	20.1	24.1
23	21.9	16.8	19.3	---	---	---	26.0	22.1	24.3	20.5	18.8	19.7
24	22.7	17.1	19.5	---	---	---	28.0	21.9	23.9	28.8	18.6	23.7
25	21.2	19.6	20.4	---	---	---	23.4	16.1	19.5	29.3	23.6	27.3
26	21.0	16.5	19.5	---	---	---	27.8	18.4	22.8	29.0	21.6	26.5
27	21.5	17.7	19.7	---	---	---	28.6	20.9	25.0	29.1	23.4	27.1
28	21.4	18.9	20.0	---	---	---	28.0	20.5	25.4	28.9	25.2	27.4
29	20.7	17.9	19.3	---	---	---	26.5	16.6	23.5	28.8	25.6	27.6
30	19.4	12.1	15.9	---	---	---	25.4	19.0	22.2	28.8	24.4	26.5
31	15.0	10.3	13.3	---	---	---	26.5	17.7	20.3	27.2	25.4	26.4
MONTH	---	---	---	---	---	---	---	---	---	32.5	10.4	24.3
FEBRUARY			MARCH			APRIL			MAY			
1	26.9	25.2	26.2	23.4	21.4	22.5	25.4	22.3	24.3	20.7	19.6	20.1
2	26.8	24.8	25.9	23.2	22.3	22.7	23.6	18.1	20.7	20.6	20.0	20.3
3	27.2	25.4	26.2	24.8	22.1	23.4	20.0	17.7	18.3	20.9	19.9	20.4
4	27.6	25.4	26.2	25.9	23.6	24.7	18.1	17.0	17.5	21.5	19.7	20.7
5	25.9	24.1	25.4	24.6	24.1	24.4	17.4	16.6	17.1	22.3	19.9	21.3
6	27.5	25.8	26.7	24.3	21.4	23.2	17.1	15.9	16.6	21.5	20.2	20.8
7	26.6	24.4	25.6	23.8	19.2	21.9	16.5	14.2	15.4	20.3	18.1	19.6
8	28.2	24.9	26.7	22.3	19.6	20.7	16.4	14.1	15.4	21.3	17.2	19.4
9	29.9	27.3	29.1	21.5	18.7	20.3	17.2	8.9	13.4	18.5	15.4	17.0
10	29.8	27.6	29.2	19.6	15.8	17.6	31.1	3.9	18.3	18.4	16.5	17.3
11	29.0	25.6	27.7	18.4	16.9	17.5	32.3	8.1	22.9	21.2	17.9	19.5
12	28.8	26.9	27.8	18.6	12.7	15.8	30.8	13.1	22.7	22.5	18.8	20.0
13	28.8	24.9	27.0	17.4	10.6	14.3	28.7	17.2	23.4	20.3	17.9	19.1
14	28.5	25.9	27.1	17.9	12.0	14.9	28.7	17.7	25.7	19.4	18.2	18.8
15	26.9	23.8	25.9	15.8	12.5	14.2	28.2	22.6	26.4	20.6	18.1	19.4
16	28.0	23.7	25.8	14.4	11.5	13.0	26.7	24.4	25.4	21.4	18.1	19.9
17	29.9	23.6	26.1	13.2	11.5	12.5	25.3	23.2	24.5	22.6	17.9	20.3
18	30.1	24.4	27.0	12.9	11.9	12.5	28.0	21.6	25.0	23.0	17.5	20.5
19	28.3	26.9	27.4	12.8	12.0	12.5	26.2	21.5	24.1	23.9	17.4	20.6
20	27.9	25.9	27.3	13.3	12.0	12.5	24.1	18.0	21.0	22.0	16.4	19.2
21	25.9	21.0	22.8	13.8	12.7	13.4	21.6	18.4	20.0	19.7	16.3	17.6
22	27.4	21.0	24.9	25.4	11.8	17.2	21.2	18.7	20.5	18.9	16.3	17.5
23	28.2	22.0	25.8	22.3	12.0	17.2	22.8	17.5	20.2	18.9	16.5	17.8
24	26.5	23.1	24.9	20.7	10.7	16.6	22.5	19.1	20.5	21.0	17.7	19.4
25	25.0	22.1	22.9	17.4	12.4	14.2	22.1	19.9	21.5	20.3	19.1	19.8
26	22.8	21.6	22.2	14.1	11.4	12.4	23.4	21.1	22.0	21.4	19.0	20.1
27	26.5	21.5	22.9	12.7	11.1	11.9	22.6	20.7	21.9	22.3	17.9	19.8
28	25.0	21.1	22.2	12.6	11.1	11.9	21.9	20.5	21.4	21.1	18.2	20.0
29	---	---	---	12.6	11.3	11.6	24.3	21.9	22.8	20.9	18.1	19.7
30	---	---	---	24.4	7.6	12.6	22.0	19.7	20.7	26.3	19.1	21.8
31	---	---	---	25.8	20.7	24.7	---	---	---	30.2	19.4	24.9
MONTH	30.1	21.0	25.9	25.9	7.6	16.9	32.3	3.9	21.0	30.2	15.4	19.8

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	22.5	21.0	21.6	---	---	---	18.0	14.4	15.7
2	---	---	---	22.1	20.2	21.0	---	---	---	18.0	14.3	15.8
3	---	---	---	22.8	20.0	21.4	---	---	---	15.9	12.4	13.6
4	---	---	---	23.1	20.8	22.0	17.4	15.9	16.6	15.8	11.5	13.3
5	---	---	---	23.3	22.8	23.1	17.4	15.0	15.9	15.5	12.2	13.9
6	---	---	---	22.8	19.6	20.5	15.9	12.7	13.8	15.5	13.7	14.4
7	---	---	---	21.8	17.9	19.1	15.6	11.9	13.2	13.9	12.7	13.1
8	---	---	---	20.3	17.9	19.1	14.2	11.6	12.6	14.3	11.5	12.5
9	28.5	27.9	28.2	20.8	19.5	20.2	14.1	12.1	13.1	16.9	14.2	15.4
10	28.2	27.3	27.6	22.7	20.8	21.5	14.7	13.2	13.7	16.9	14.1	15.6
11	27.9	26.7	27.4	22.8	22.0	22.4	14.1	12.4	13.7	14.2	12.2	13.4
12	27.8	27.3	27.6	22.4	19.6	21.1	13.9	13.1	13.3	13.2	10.8	11.9
13	27.8	25.5	26.9	20.4	17.9	19.3	15.3	12.6	13.4	12.8	10.0	11.3
14	26.7	24.1	25.3	21.1	19.4	20.2	18.0	11.9	13.7	12.3	9.0	10.8
15	25.5	23.1	24.3	21.1	19.5	20.6	18.8	12.6	17.4	12.1	10.0	11.0
16	25.8	23.1	24.4	19.5	15.7	18.0	17.9	15.2	17.0	12.4	10.7	11.4
17	24.5	22.6	23.6	20.0	14.4	16.7	17.7	16.5	17.3	11.4	9.0	9.9
18	24.0	22.5	23.4	20.1	15.9	18.5	18.3	17.1	17.7	12.1	8.2	9.9
19	24.7	23.3	24.0	19.2	15.8	17.6	18.8	17.6	18.2	13.0	8.0	10.0
20	24.8	23.9	24.5	19.1	17.6	18.4	18.9	16.8	17.4	13.4	9.9	11.3
21	25.0	23.9	24.6	19.3	17.7	18.4	18.9	15.6	16.6	14.1	11.3	12.8
22	25.1	24.3	24.8	---	---	---	18.2	16.3	17.2	14.2	12.3	13.5
23	25.3	24.5	24.8	---	---	---	17.9	17.3	17.5	13.3	9.9	11.1
24	25.4	24.6	24.9	---	---	---	18.6	17.7	18.2	11.6	8.0	9.9
25	25.1	24.5	24.8	---	---	---	17.9	15.0	16.0	11.5	8.7	10.4
26	24.9	24.5	24.7	---	---	---	15.7	13.5	14.3	12.6	9.2	11.0
27	26.5	24.6	25.1	---	---	---	15.0	12.9	14.0	12.4	9.3	11.0
28	26.5	25.2	25.9	---	---	---	15.2	13.3	14.6	12.8	10.4	11.6
29	26.4	25.0	25.6	---	---	---	15.6	13.4	14.8	14.2	11.7	12.8
30	25.2	24.2	24.8	---	---	---	16.0	14.9	15.4	14.2	12.8	13.6
31	24.5	22.5	23.5	---	---	---	16.8	15.7	16.1	14.6	13.3	14.0
MONTH	---	---	---	---	---	---	---	---	---	18.0	8.0	12.4
FEBRUARY			MARCH			APRIL			MAY			
1	14.5	13.3	13.9	16.3	16.1	16.2	17.2	16.4	16.9	27.2	25.4	26.3
2	15.5	13.6	14.3	16.7	15.9	16.3	18.8	17.1	17.9	28.0	26.2	27.0
3	16.4	14.5	15.2	16.1	14.7	15.4	19.7	18.2	18.9	28.8	26.9	27.7
4	16.2	15.0	15.7	15.7	14.7	15.3	20.8	19.4	20.1	28.6	27.7	28.1
5	15.0	13.8	14.4	17.0	15.5	16.3	22.8	20.5	21.7	28.2	27.1	27.7
6	14.8	14.0	14.4	17.6	16.9	17.2	23.9	22.1	23.0	28.0	27.0	27.5
7	14.5	11.8	13.1	18.3	17.0	17.6	24.3	23.1	23.7	28.2	26.9	27.6
8	12.3	11.1	11.6	18.5	17.8	18.0	23.8	21.9	23.0	28.7	27.2	27.9
9	14.0	11.3	12.9	20.1	18.4	18.9	21.9	16.4	19.4	28.5	27.4	27.9
10	14.4	12.7	13.7	20.6	19.6	20.1	19.3	14.3	17.0	28.5	27.5	28.0
11	14.6	12.4	13.6	20.2	19.4	19.9	19.9	15.2	18.0	28.9	27.4	28.1
12	14.7	13.4	14.1	20.1	19.4	19.7	20.3	16.3	18.6	28.3	27.6	27.9
13	15.6	14.1	14.9	20.7	19.8	20.2	21.4	18.2	19.7	27.9	26.8	27.4
14	16.9	15.2	16.0	21.2	20.1	20.5	21.2	20.2	20.8	28.3	26.9	27.4
15	18.5	16.6	17.4	21.8	20.3	20.8	23.7	21.0	21.8	28.5	27.4	27.8
16	18.2	16.2	17.6	21.2	20.0	20.8	23.8	22.0	22.9	29.1	27.5	28.1
17	16.7	15.2	15.7	21.6	19.9	20.6	24.7	23.0	23.7	29.0	27.5	28.2
18	15.8	14.1	14.9	22.2	20.3	21.2	25.3	22.7	24.0	28.4	27.4	27.9
19	15.7	14.5	15.1	22.2	20.0	21.0	25.0	24.2	24.7	28.2	27.2	27.6
20	16.8	15.5	16.1	22.2	21.5	21.8	25.1	23.9	24.4	28.0	27.0	27.5
21	17.0	16.2	16.7	21.8	20.8	21.3	25.7	24.5	24.9	27.5	26.9	27.2
22	17.6	16.0	17.1	21.1	18.3	19.9	25.7	24.4	24.9	27.0	26.2	26.7
23	16.8	15.1	16.2	21.7	19.7	20.4	24.8	24.2	24.5	26.8	25.2	26.0
24	17.3	15.9	16.6	21.5	20.3	20.8	24.4	23.6	24.1	28.4	26.0	27.0
25	17.1	16.6	16.9	21.1	20.5	20.7	25.8	24.1	24.9	28.7	27.3	27.9
26	17.1	16.4	16.8	21.1	20.6	20.8	25.3	24.0	24.4	28.9	27.5	28.1
27	17.1	16.7	16.9	21.7	20.5	21.2	24.5	23.7	24.0	28.3	27.0	27.9
28	16.7	16.1	16.3	22.9	21.2	21.9	26.3	23.7	24.5	27.9	26.6	27.2
29	---	---	---	22.5	18.9	21.2	25.6	24.2	25.0	28.4	26.8	27.4
30	---	---	---	18.9	16.8	17.5	26.2	24.8	25.3	28.4	26.7	27.4
31	---	---	---	18.3	16.5	17.6	---	---	---	27.8	26.0	27.1
MONTH	18.5	11.1	15.3	22.9	14.7	19.4	26.3	14.3	22.2	29.1	25.2	27.5

MISSISSIPPI RIVER DELTA

291929089562600 BARATARIA BAY NEAR GRAND TERRE ISLAND, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

292224090424200 BAYOU DULAC AT DULAC, LA

LOCATION.--Lat 29°22'24", long 90°42'42", T. 20 S., R. 17 E., Sec. 87, Terrebonne Parish, Hydrologic Unit 08090302, located on State Highway 57 swing bridge.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 26, 2002 to September 2003.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is NAVD 88.

REMARKS.--No estimated daily discharge. No elevation or velocity record for the period: Oct. 23-30, Dec. 12-Jan 7, Feb. 19-24, Aug. 19-20, and 23-26. Stage and discharge affected by wind, tide, and boat traffic. Reverse flow at times. Satellite telemetry at site.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge recorded, 7,930 ft³/s, Oct. 3, 2002; maximum elevation recorded, 9.20 ft, Oct. 3, 2002; minimum negative discharge recorded, -6,000 ft³/s, June 30, 2003; minimum elevation recorded, 2.93 ft, Jan. 23, 2003.

EXTREMES FOR CURRENT YEAR.--2002 W.Y. (June to September): Maximum positive discharge, 3,620 ft³/s, Sept. 28; maximum gage height, 6.15 ft, Sept. 26; maximum negative discharge, -4,020 ft³/s, June 27; minimum gage height, 3.89 ft, July 5, 19. 2003 W.Y.:Maximum positive discharge, 7,930 ft³/s, Oct. 3; maximum gage height, 9.20 ft, Oct. 3; maximum negative discharge, -6,000 ft³/s, June 30; minimum gage height, 2.93 ft, Jan. 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR JUNE 2002 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										670	-199	200
2										722	-89	-562
3										563	-666	-563
4										32	-422	-352
5										286	-1,340	-258
6										-253	-1,080	69
7										-998	-748	-879
8										-805	-113	1,320
9										-727	-366	1,950
10										-494	-86	1,660
11										-922	-287	1,260
12										-698	1,120	820
13										-379	1,620	212
14										103	691	-858
15										278	-363	431
16										451	305	118
17										11	64	185
18										88	82	-475
19										-587	-157	-942
20										-794	-178	-895
21										-795	-75	51
22										-511	398	329
23										-469	311	659
24										-608	-101	1,810
25										-407	8.5	1,650
26										-536	-104	2,280
27									-882	-719	-34	1,980
28									-169	-195	---	1,190
29									492	-445	-176	1,440
30									533	273	-169	48
31									---	323	175	---
TOTAL									---	-7,542	---	13,878

MISSISSIPPI RIVER DELTA

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR JUNE 2002 TO SEPTEMBER 2002
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										4.64	4.31	4.69
2										4.51	4.27	4.82
3										4.39	4.42	5.03
4										4.31	4.57	5.11
5										4.15	4.54	5.15
6										4.12	4.65	5.19
7										4.34	4.73	5.48
8										4.46	4.67	5.73
9										4.57	4.88	5.55
10										4.55	5.08	5.46
11										4.62	5.22	5.29
12										4.67	5.18	5.12
13										4.65	5.02	5.13
14										4.51	4.91	5.18
15										4.41	5.00	4.98
16										4.31	5.00	4.84
17										4.28	4.98	4.76
18										4.13	4.91	4.76
19										4.13	4.85	4.89
20										4.19	4.83	5.03
21										4.24	4.83	4.98
22										4.31	4.84	5.17
23										4.32	4.77	5.20
24										4.32	4.73	5.43
25										4.33	4.67	5.57
26										4.36	4.56	5.74
27									4.96	4.39	4.50	5.47
28									4.96	4.42	---	5.38
29									4.88	4.45	4.46	5.13
30									4.80	4.43	4.56	5.12
31									---	4.32	4.63	---
MAX									---	4.67	---	5.74
MIN									---	4.12	---	4.69

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	833	-14	---	-164	-428	-903	-429	-432	3,510	-194	1,150
2	163	-419	-670	---	-681	-149	-495	-64	-1,510	2,050	52	857
3	---	-1,550	-380	---	-1,250	704	-1,030	-88	-1,130	872	-265	722
4	5,930	232	-918	---	304	-747	-818	-1,040	-335	689	-229	308
5	5,190	-1,770	1,140	---	192	-1,620	-817	-1,750	-586	712	-444	260
6	3,830	2,060	30	---	-953	756	-992	-384	-1,140	582	-625	-144
7	2,010	515	-417	---	1,780	295	-231	164	557	186	-895	-420
8	577	-101	-157	-955	-909	-842	572	370	990	-188	-320	-346
9	-1,070	-1,160	-479	-2,290	-1,620	254	2,290	622	101	-334	-925	-344
10	884	-1,860	-792	-561	48	-387	238	-180	-1,110	-624	-706	730
11	969	-779	-1,190	-403	-58	-251	-1,030	1,590	-998	-537	-732	425
12	427	2,290	---	-562	-86	-567	-558	2,650	-1,230	-356	-405	-121
13	1,200	378	---	-1,240	-88	137	-761	1,010	-676	-946	-11	705
14	-15	-1,550	---	-534	-452	-620	-187	-868	-668	-748	659	961
15	-1,080	-1,180	---	-672	-1,190	-584	-423	-672	-378	-370	194	563
16	-783	1,720	---	-1,060	547	-1,090	-1,960	-640	-236	569	-653	-55
17	-891	-932	---	837	586	-729	-1,380	-1,220	-278	524	-8.7	-114
18	-377	-828	---	-1,640	-4.9	-1,040	-523	124	-603	198	702	-121
19	-1,050	-168	---	-464	---	-1,150	-627	272	-466	94	---	-165
20	310	-881	---	-1,080	---	-646	-99	0.71	361	446	---	406
21	-154	-481	---	-1,550	---	614	15	349	567	-259	262	-775
22	186	-19	---	-432	---	-492	-165	453	790	-898	-533	-220
23	---	-218	---	1,710	---	105	-0.55	22	219	-919	---	334
24	---	-429	---	-1,930	---	-521	-1,130	-997	-472	-263	---	-774
25	---	-739	---	-1,040	679	-733	-1,410	-1,200	-203	-59	---	-365
26	---	-257	---	-882	-803	161	251	-806	-543	-254	---	-682
27	---	1,270	---	-333	-675	-598	-6.8	308	-732	-247	-203	145
28	---	56	---	-784	346	-1,050	-267	-578	-312	-639	152	1,540
29	---	-1,840	---	-824	---	1,860	-410	-689	-1,260	-888	180	777
30	---	-932	---	-301	---	1,250	-419	-932	-678	-599	-636	380
31	1,600	---	---	-340	---	-1,300	---	-1,110	---	-356	733	---
TOTAL	---	-8,739	---	---	---	-9,408	-13,276.35	-5,712.29	-12,391	948	---	5,617

MISSISSIPPI RIVER DELTA

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.11	4.63	3.84	---	3.82	4.25	3.91	4.77	4.08	6.04	4.37	5.54
2	5.35	4.56	3.95	---	3.90	4.27	4.01	4.66	4.20	5.40	4.37	5.42
3	7.89	4.87	4.04	---	4.08	4.47	4.36	4.58	4.40	5.15	4.37	5.28
4	6.94	4.87	4.22	---	4.02	4.57	4.48	4.60	4.45	4.96	4.40	5.18
5	6.04	5.07	4.05	---	3.98	4.69	4.55	5.11	4.59	4.89	4.41	5.13
6	5.39	4.62	3.75	---	4.22	4.65	4.70	5.28	---	4.79	4.36	5.00
7	5.05	4.28	3.79	---	3.75	4.45	4.83	5.35	4.73	4.77	4.23	4.99
8	4.92	4.33	3.75	3.48	3.67	4.57	4.91	5.26	4.43	4.79	4.24	5.06
9	5.21	4.47	3.88	3.71	4.10	4.48	4.26	5.27	4.31	4.76	4.31	5.15
10	5.49	4.65	3.98	3.88	4.09	4.36	3.70	5.29	4.39	4.69	4.38	5.10
11	5.25	4.78	4.11	3.62	3.94	4.41	3.77	5.23	4.51	4.66	4.42	5.13
12	5.11	4.33	---	3.71	4.03	4.49	3.86	4.65	4.62	4.68	4.57	5.34
13	4.87	3.84	---	3.79	3.98	4.44	3.98	4.46	4.66	4.82	4.57	5.33
14	4.66	4.21	---	3.75	4.11	4.43	3.98	4.65	4.65	5.11	4.54	5.01
15	4.71	4.37	---	3.82	4.38	4.50	3.97	4.66	4.61	5.24	4.55	4.99
16	4.70	3.82	---	3.84	4.31	4.79	4.36	4.63	4.55	5.04	4.68	5.00
17	4.72	3.58	---	3.33	3.84	4.85	4.36	4.73	4.53	4.80	4.72	5.03
18	4.75	3.82	---	3.51	3.93	5.00	4.33	4.65	4.54	4.64	4.53	5.01
19	4.84	3.77	---	3.55	---	5.11	4.53	4.52	4.58	4.47	---	5.03
20	4.94	3.88	---	3.67	---	4.92	4.63	4.48	4.64	4.33	---	4.94
21	4.80	4.00	---	3.80	---	4.57	4.44	4.43	4.66	4.22	4.96	5.05
22	4.79	3.88	---	3.87	---	4.39	4.39	4.25	4.60	4.19	4.92	5.08
23	---	3.77	---	3.16	---	4.25	4.47	4.15	4.54	4.19	---	4.96
24	---	3.92	---	3.26	---	4.19	4.75	4.22	4.64	4.18	---	5.06
25	---	4.04	---	3.46	4.17	4.31	4.74	4.31	4.74	4.16	---	5.13
26	---	4.15	---	3.58	4.26	4.45	4.47	4.43	4.76	4.22	---	5.32
27	---	3.89	---	3.73	4.35	4.52	4.41	4.34	4.84	4.22	4.97	5.34
28	---	3.66	---	3.85	4.23	4.69	4.54	4.25	4.88	4.30	4.98	5.29
29	---	3.78	---	3.92	---	---	4.68	4.19	5.08	4.39	5.05	4.96
30	---	3.98	---	3.98	---	3.54	4.77	4.16	6.14	4.48	5.49	4.98
31	4.72	---	---	3.98	---	3.65	---	4.15	---	4.44	5.58	---
MAX	---	5.07	---	---	---	---	4.91	5.35	---	6.04	---	5.54
MIN	---	3.58	---	---	---	---	3.70	4.15	---	4.16	---	4.94

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2002 to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2002 to September 2003.

SALINITY: June 2002 to September 2003.

WATER TEMPERATURE: June 2002 to September 2003.

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

REMARKS.--Stage affected by wind and tide.

SPECIFIC CONDUCTANCE: 2002 W.Y.: Records good.

2003 W.Y.: Records excellent except for Nov. 14-19, Jan. 8-9, 22-23, Feb. 11-19, Apr. 11-30, May 30-June 23, July 19-29, and Sept. 9-30 when records good; Nov. 20-22, Feb. 19-Mar. 23, and May 1-6 when records fair; and Nov. 23-Dec. 2, Mar. 24-Apr. 1 when records poor.

SALINITY: 2002 W.Y.: Records good.

2003 W.Y.: Records excellent except for Nov. 14-19, Jan. 8-9, 22-23, Feb. 11-19, Apr. 11-30, May 30-June 23, July 19-29, and Sept. 9-30 when records good; Nov. 20-22, Feb. 19-Mar. 23, and May 1-6 when records fair; and Nov. 23-Dec. 2, Mar. 24-Apr. 1 when records poor.

WATER TEMPERATURE: 2002 W.Y.: Records good.

2003 W.Y.: Records good except for Sept. 16-30 when records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 40,600 microsiemens/cm, Dec. 13, 2002; minimum, 361 microsiemens/cm, Apr. 1, 2003.

SALINITY: Maximum, 25.9 ppt, Dec. 13, 2002; minimum, 0.2 ppt, many times.

WATER TEMPERATURE: Maximum, 34.7°C, July 18, 2002; minimum, 6.6°C, Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: 2002 W.Y.: Maximum, 27,700 microsiemens/cm, Sept. 14; minimum, 548 microsiemens/cm, July 29.

2003 W.Y.: Maximum, 32,000 microsiemens/cm, Feb. 10; minimum, 364 microsiemens/cm, Apr. 3.

SALINITY: 2002 W.Y.: Maximum, 17.0 ppt, Sept. 14; minimum, 0.3 ppt, July 29, 30.

2003 W.Y.: Maximum, 19.9 ppt, Feb. 9, 10; minimum, 0.2 ppt, on several days.

WATER TEMPERATURE: 2002 W.Y.: Maximum, 34.7°C, July 18; minimum, 23.1°C, Sept. 27.

2003 W.Y.: Maximum, 33.2°C, Sept. 3; minimum, 6.6°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR JUNE 2002 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				12,800	5,710	9,530	8,420	933	4,270	20,800	12,000	15,100
2				13,200	8,510	11,100	9,170	895	4,650	25,400	13,000	18,700
3				13,900	11,300	12,600	15,700	1,140	7,930	27,300	15,600	22,000
4				13,300	3,370	9,180	17,700	6,160	12,000	26,000	17,400	21,300
5				13,400	3,210	8,830	21,000	9,200	15,800	25,200	17,700	21,200
6				12,900	1,680	6,460	18,500	13,400	16,300	24,600	17,700	20,800
7				10,700	807	5,220	18,300	11,700	14,900	27,100	17,800	22,200
8				9,440	1,700	5,800	14,100	10,200	12,800	25,100	18,000	19,800
9				13,300	4,410	8,030	20,800	9,000	13,700	18,500	17,400	18,100
10				10,900	4,090	8,130	23,600	12,800	16,800	18,000	17,300	17,600
11				14,700	3,710	9,270	26,900	14,500	20,300	17,700	16,600	17,100
12				12,100	5,490	8,640	21,400	15,300	16,700	19,300	16,400	17,000
13				11,500	3,240	7,020	15,900	15,000	15,400	18,900	16,300	17,100
14				10,600	3,890	7,690	15,400	14,600	14,900	27,700	16,300	23,000
15				9,950	3,030	6,760	14,900	11,600	13,100	22,600	17,600	20,200
16				10,900	6,430	8,800	14,500	12,600	13,300	17,600	12,600	15,200
17				11,100	2,190	7,310	15,000	11,200	13,500	16,500	9,330	13,500
18				11,600	2,500	6,940	15,100	8,980	12,000	15,900	6,430	10,900
19				11,000	1,030	4,470	14,500	6,780	10,500	15,600	5,510	11,100
20				9,360	866	3,860	13,800	6,020	9,630	19,900	10,500	15,300
21				9,290	1,210	4,970	12,800	5,900	8,890	16,400	11,600	14,300
22				8,220	2,000	5,710	11,600	5,920	8,570	15,000	11,800	13,300
23				8,230	2,630	6,190	12,600	5,960	9,360	15,500	14,200	15,000
24				8,910	2,730	6,770	12,500	5,070	9,070	25,200	14,800	17,900
25				9,300	2,840	6,130	10,800	4,730	7,660	17,000	14,800	16,200
26	---	2,410	---	7,970	1,590	4,720	12,000	5,480	9,540	15,300	13,300	13,900
27	8,140	1,270	4,900	7,790	1,020	3,970	11,500	5,360	9,090	15,500	13,500	14,300
28	7,370	1,050	3,740	7,620	934	3,130	11,600	5,470	8,480	14,400	8,550	12,400
29	8,070	1,700	4,860	8,210	548	3,040	10,500	6,110	8,340	14,500	11,300	13,300
30	10,700	3,960	7,350	6,910	705	3,330	17,000	7,480	11,700	14,000	5,170	9,430
31	---	---	---	8,390	3,210	5,630	19,700	10,200	14,100	---	---	---
MONTH	---	---	---	14,700	548	6,750	26,900	895	11,700	27,700	5,170	16,600

MISSISSIPPI RIVER DELTA

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR JUNE 2002 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				7.4	3.1	5.4	4.7	0.5	2.3	12.4	6.8	8.8
2				7.6	4.7	6.3	5.1	0.4	2.5	15.5	7.5	11.1
3				8.0	6.4	7.2	9.1	0.6	4.4	16.7	9.1	13.2
4				7.6	1.8	5.2	10.4	3.3	6.9	15.9	10.2	12.7
5				7.7	1.7	5.0	12.6	5.1	9.3	15.3	10.4	12.7
6				7.4	0.8	3.6	10.9	7.7	9.5	14.9	10.4	12.4
7				6.1	0.4	2.8	10.8	6.6	8.6	16.6	10.5	13.3
8				5.3	0.9	3.1	8.1	5.8	7.3	15.3	10.6	11.8
9				7.6	2.3	4.5	12.4	5.0	7.9	10.9	10.2	10.7
10				6.2	2.2	4.5	14.3	7.4	9.9	10.6	10.2	10.4
11				8.6	2.0	5.2	16.4	8.4	12.1	10.4	9.7	10.1
12				6.9	3.0	4.8	12.9	8.9	9.8	11.5	9.6	10
13				6.5	1.7	3.9	9.3	8.7	9.0	11.2	9.5	10.0
14				6.0	2.1	4.3	9.0	8.5	8.7	17.0	9.5	13.9
15				5.6	1.6	3.7	8.7	6.6	7.5	13.6	10.4	12.0
16				6.2	3.5	4.9	8.4	7.2	7.7	10.4	7.2	8.9
17				6.3	1.1	4.1	8.7	6.3	7.8	9.7	5.2	7.8
18				6.6	1.3	3.8	8.8	5.0	6.9	9.3	3.5	6.2
19				6.2	0.5	2.4	8.4	3.7	5.9	9.1	3.0	6.3
20				5.2	0.4	2.1	7.9	3.3	5.4	11.8	6.0	8.9
21				5.2	0.6	2.7	7.4	3.2	5.0	9.6	6.6	8.3
22				4.6	1.0	3.1	6.6	3.2	4.8	8.7	6.7	7.6
23				4.6	1.4	3.4	7.2	3.2	5.3	9.0	8.2	8.7
24				5.0	1.4	3.7	7.2	2.7	5.1	15.3	8.6	10.6
25				5.2	1.5	3.3	6.1	2.5	4.2	10.0	8.6	9.5
26	---	1.2	---	4.4	0.8	2.5	6.8	2.9	5.4	8.9	7.6	8.0
27	4.5	0.6	2.6	4.3	0.5	2.1	6.5	2.9	5.1	9.0	7.8	8.3
28	4.1	0.5	2.0	4.2	0.5	1.7	6.6	2.9	4.7	8.3	4.8	7.1
29	4.5	0.9	2.6	4.5	0.3	1.6	6.0	3.3	4.6	8.4	6.4	7.7
30	6.1	2.1	4.1	3.8	0.3	1.8	10.0	4.1	6.7	8.1	2.8	5.3
31	---	---	---	4.7	1.7	3.0	11.7	5.8	8.2	---	---	---
MONTH	---	---	---	8.6	0.3	3.7	16.4	0.4	6.7	17.0	2.8	9.7

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR JUNE 2002 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				31.1	29.1	29.8	30.7	29.4	30.1	30.9	29.1	30.2
2				30.9	29.9	30.4	32.5	29.4	30.6	29.7	28.5	29.2
3				30.8	29.8	30.3	32.2	30.0	31.1	28.7	27.7	28.3
4				32.2	30.1	30.8	31.4	29.7	30.7	27.7	26.8	27.4
5				32.5	30.8	31.6	30.6	29.3	30.0	27.0	26.4	26.8
6				31.4	30.6	31.0	30.4	29.8	30.2	26.9	26.6	26.7
7				32.1	30.1	31.0	31.8	29.6	30.4	26.7	25.8	26.3
8				31.1	29.9	30.7	31.8	31.1	31.5	25.8	25.1	25.4
9				30.8	29.2	30.1	31.8	29.5	30.9	27.9	25.4	26.5
10				31.0	29.5	30.4	30.1	28.1	29.2	29.6	27.0	28.0
11				31.6	29.9	30.8	28.8	27.9	28.3	31.4	28.5	29.8
12				31.7	30.8	31.2	28.4	27.4	27.9	31.2	29.6	30.5
13				31.1	29.8	30.5	28.7	27.0	27.8	30.8	29.3	30.2
14				31.2	29.8	30.4	28.4	27.8	28.2	31.2	29.2	30.0
15				31.3	29.6	30.4	30.0	27.7	28.8	31.3	29.8	30.5
16				32.8	29.6	30.8	31.7	29.2	30.2	31.0	29.3	30.0
17				33.5	31.3	32.0	33.0	30.3	31.2	30.9	29.4	30.0
18				34.7	32.2	32.9	32.6	31.1	31.8	30.9	29.8	30.2
19				34.0	32.0	33.0	32.0	31.1	31.4	30.7	29.7	30.1
20				33.9	32.3	33.2	31.6	30.4	31.0	30.1	29.2	29.8
21				33.9	31.3	33.0	31.4	30.1	30.8	30.8	29.3	29.9
22				32.5	30.7	31.7	31.4	30.5	30.9	31.2	29.7	30.3
23				32.4	30.1	31.4	31.4	30.3	30.9	29.8	26.9	28.0
24				32.5	31.1	31.9	31.5	30.5	31.0	28.8	24.2	26.3
25				31.8	30.4	31.1	32.0	31.1	31.4	24.2	23.6	23.9
26				31.7	29.1	30.5	31.6	30.6	31.1	24.1	23.2	23.5
27	28.8	27.4	28.1	32.1	30.4	31.4	31.4	29.8	30.7	25.9	23.1	24.3
28	28.6	27.2	27.9	32.4	31.0	31.7	32.4	30.6	31.3	27.6	25.2	26.2
29	29.3	27.6	28.4	31.7	30.8	31.4	32.7	30.4	31.3	28.7	26.4	27.4
30	30.0	28.5	29.1	30.9	29.5	30.4	32.3	30.3	31.2	29.7	26.9	28.1
31	---	---	---	30.3	29.0	29.8	31.7	29.9	30.9	---	---	---
MONTH	---	---	---	34.7	29.0	31.1	33.0	27.0	30.4	31.4	23.1	28.1

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	13,600	4,560	9,930	10,100	8,580	9,730	17,200	8,320	12,800	---	---	---
2	13,700	5,390	10,100	9,840	8,150	9,180	18,900	9,680	13,600	---	---	---
3	25,500	12,500	16,700	22,200	8,670	18,200	---	---	---	---	---	---
4	17,000	13,800	15,600	22,900	11,500	17,000	---	---	---	---	---	---
5	17,500	16,200	17,000	22,300	14,600	20,200	---	---	---	---	---	---
6	16,500	14,500	15,300	18,900	11,700	15,500	---	---	---	---	---	---
7	14,800	14,000	14,400	11,700	7,250	11,000	---	---	---	---	---	---
8	14,200	11,400	13,600	9,660	4,310	6,540	---	---	---	4,540	548	1,720
9	11,400	7,290	9,510	8,770	2,660	5,290	---	---	---	4,890	537	1,170
10	12,300	6,770	8,920	14,300	2,710	10,000	---	---	---	10,200	4,890	7,500
11	12,800	8,040	10,700	12,500	5,130	9,960	---	---	---	6,900	1,200	5,320
12	12,800	5,270	9,520	9,230	8,510	8,810	---	---	---	8,280	3,320	5,200
13	12,400	9,090	11,000	9,300	4,720	8,610	---	---	---	22,800	5,490	9,960
14	11,500	7,050	9,780	7,110	816	4,250	---	---	---	24,900	7,190	14,900
15	10,900	3,220	8,160	11,500	6,140	9,350	---	---	---	12,900	3,870	9,550
16	9,440	3,780	6,410	10,700	7,690	8,660	---	---	---	10,100	1,540	6,500
17	11,700	4,280	7,570	9,540	1,780	7,070	---	---	---	8,840	1,520	6,510
18	8,670	6,820	7,290	4,680	2,070	3,220	---	---	---	6,570	904	3,260
19	19,100	7,580	16,100	7,880	1,460	5,390	---	---	---	9,240	1,520	6,180
20	17,700	9,580	12,600	6,240	1,100	3,070	---	---	---	8,820	1,260	5,180
21	10,900	7,500	9,450	16,300	1,990	8,050	---	---	---	5,430	1,100	4,060
22	10,700	5,410	8,050	7,460	1,990	5,840	---	---	---	6,040	1,160	3,620
23	---	---	---	7,950	1,500	4,560	---	---	---	8,740	5,180	7,540
24	---	---	---	7,410	1,210	4,480	---	---	---	16,500	798	7,350
25	---	---	---	12,700	1,600	7,200	---	---	---	19,200	12,100	15,400
26	---	---	---	16,200	4,200	9,800	---	---	---	25,200	10,400	14,500
27	---	---	---	8,980	7,300	8,260	---	---	---	26,900	12,600	17,800
28	---	---	---	9,300	5,400	8,350	---	---	---	23,500	13,800	17,900
29	---	---	---	13,300	3,840	9,040	---	---	---	22,600	13,500	17,700
30	---	---	---	21,300	12,300	17,500	---	---	---	25,100	13,400	18,500
31	10,300	9,420	10,100	---	---	---	---	---	---	21,800	10,700	16,500
MONTH	---	---	---	22,900	816	9,140	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	14,100	6,110	12,000	14,200	3,900	8,580	808	383	589	15,200	11,200	12,300
2	11,900	5,490	10,200	12,700	1,640	7,470	1,680	652	1,080	15,300	8,620	12,200
3	16,600	5,490	12,300	12,300	2,710	7,910	2,130	364	909	10,300	5,450	8,460
4	17,100	11,600	13,500	13,000	8,090	10,400	5,870	1,020	2,480	8,340	3,870	5,880
5	11,700	8,550	11,100	17,100	9,070	13,300	5,870	1,350	3,440	24,600	4,740	13,800
6	28,000	10,600	22,600	12,300	10,300	11,200	10,200	2,000	3,460	27,700	21,300	24,300
7	27,000	12,600	14,900	12,500	6,560	11,500	11,200	6,350	8,520	25,700	20,400	22,100
8	26,000	10,700	14,400	17,200	6,460	10,300	9,890	5,180	7,760	23,900	19,800	21,200
9	32,000	23,300	27,600	18,000	7,690	12,500	10,800	5,180	9,090	22,600	19,800	20,500
10	32,000	23,200	27,800	12,900	3,060	10,200	11,900	2,300	10,900	22,300	19,700	20,300
11	27,400	16,900	20,500	11,800	2,540	8,530	9,510	882	4,090	23,200	20,900	22,000
12	25,300	17,700	20,700	8,450	2,540	6,090	8,220	795	4,240	21,100	18,100	19,500
13	21,700	15,600	17,800	8,390	2,900	6,310	6,370	795	2,630	18,100	16,200	17,700
14	25,300	17,200	20,100	7,830	757	3,660	5,310	622	2,200	18,300	6,920	12,600
15	29,900	20,400	25,400	6,600	650	3,280	3,530	809	2,090	13,000	3,760	8,630
16	28,100	21,100	24,700	7,810	936	4,240	16,100	471	6,880	12,700	4,170	8,620
17	21,100	10,900	18,500	17,000	3,850	13,000	16,100	3,920	10,700	19,200	4,980	9,590
18	15,700	8,460	12,200	10,500	4,480	6,660	6,840	1,580	4,410	19,300	4,120	11,600
19	---	---	---	8,500	5,040	6,550	11,800	1,120	3,610	13,200	3,890	9,410
20	---	---	---	13,000	1,060	7,650	17,100	5,880	8,840	13,100	2,840	8,480
21	---	---	---	10,600	1,010	5,990	17,300	4,440	10,900	12,800	2,840	8,040
22	---	---	---	11,000	1,140	7,100	9,860	3,110	7,410	14,200	2,830	10,200
23	---	---	---	11,800	1,120	6,440	8,240	3,110	6,210	14,100	3,200	9,110
24	---	---	---	10,900	1,080	5,740	14,900	3,610	9,400	10,600	814	4,190
25	16,500	5,960	12,100	6,550	903	3,380	17,700	14,900	16,400	5,010	1,220	3,950
26	15,500	2,850	10,000	5,760	922	3,940	15,100	9,970	13,600	6,800	1,710	3,490
27	22,000	3,010	15,800	9,010	838	4,810	10,600	6,120	8,810	7,290	2,050	5,080
28	15,400	5,930	10,900	12,800	1,180	8,490	6,120	5,160	5,410	11,300	1,820	7,090
29	---	---	---	9,550	2,440	4,930	6,340	5,470	5,920	7,530	903	4,230
30	---	---	---	11,100	9,470	10,300	14,900	6,340	8,680	8,800	872	3,690
31	---	---	---	11,200	647	6,630	---	---	---	6,610	1,120	3,040
MONTH	---	---	---	18,000	647	7,650	17,700	364	6,360	27,700	814	11,300

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5,230	767	2,550	22,000	7,350	11,100	2,640	433	1,500	20,200	12,800	15,400
2	13,300	816	3,350	10,200	8,210	9,030	1,920	418	1,100	19,500	12,800	15,000
3	13,700	2,700	7,960	9,540	7,280	9,070	1,620	988	1,280	17,900	12,200	13,900
4	7,190	1,340	5,300	9,330	7,280	8,360	1,790	496	730	14,400	11,800	12,800
5	5,740	978	3,150	9,340	6,840	8,260	3,770	978	2,160	11,900	9,960	11,100
6	---	---	---	9,480	6,840	8,460	2,410	837	1,720	15,000	8,670	11,400
7	6,040	2,880	4,270	8,910	6,770	7,950	2,060	513	1,280	16,200	10,000	11,800
8	10,400	3,170	6,510	8,240	2,220	5,830	1,650	555	1,190	16,400	11,000	12,500
9	11,800	2,860	8,880	6,560	1,150	4,100	13,800	662	4,120	17,800	11,200	13,200
10	9,480	662	4,060	6,210	1,200	3,680	11,000	3,170	5,850	17,700	12,000	13,000
11	2,440	564	1,250	5,660	1,140	3,330	8,460	3,550	5,460	12,000	11,300	11,700
12	5,400	606	2,340	5,110	1,100	2,420	9,740	3,440	5,130	16,400	11,200	12,200
13	5,400	505	2,690	6,960	811	3,060	9,740	4,000	5,460	13,800	12,200	12,700
14	4,660	621	2,260	14,400	2,960	5,280	7,700	3,880	4,760	12,800	11,900	12,400
15	4,650	1,000	2,690	14,500	6,360	10,000	4,910	2,810	4,450	12,000	6,600	10,000
16	5,130	783	2,670	13,700	7,810	9,320	15,600	2,810	8,610	11,600	5,470	8,740
17	5,230	805	2,700	8,120	4,730	7,610	18,800	14,800	17,400	13,900	6,020	10,200
18	4,500	686	2,360	7,560	3,470	6,430	15,000	7,580	12,400	11,800	8,370	10,000
19	4,240	640	2,070	6,850	3,110	5,270	---	---	---	14,400	7,850	10,600
20	4,370	849	2,320	6,220	3,710	5,090	---	---	---	10,600	6,420	9,040
21	4,860	2,420	3,410	6,190	3,340	5,230	5,970	1,460	3,950	18,000	10,400	13,000
22	7,710	2,790	5,400	4,500	749	2,310	7,470	1,450	4,840	12,800	8,100	10,500
23	7,720	3,900	5,750	2,410	570	1,400	---	---	---	10,300	4,890	8,320
24	7,290	792	3,650	2,020	655	1,310	---	---	---	14,100	2,860	8,590
25	4,680	713	2,690	3,320	612	1,600	---	---	---	14,100	7,120	8,720
26	5,240	669	2,850	3,220	759	1,840	---	---	---	22,800	10,300	15,000
27	4,420	512	1,810	3,720	709	2,040	17,300	11,200	13,500	24,200	13,400	20,000
28	3,960	541	1,860	3,180	634	1,780	16,300	11,100	12,400	17,300	11,600	14,100
29	7,750	504	1,890	4,650	637	1,770	12,900	10,700	11,200	11,700	10,900	11,400
30	22,000	3,510	9,420	4,750	762	2,160	23,100	11,000	16,000	14,500	9,470	11,600
31	---	---	---	2,640	649	1,780	24,200	12,800	18,400	---	---	---
MONTH	---	---	---	22,000	570	5,060	---	---	---	24,200	2,860	12,000

MISSISSIPPI RIVER DELTA

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.8	2.4	5.6	5.7	4.8	5.5	10.1	4.6	7.3	---	---	---
2	7.9	2.9	5.7	5.5	4.5	5.1	11.2	5.4	7.8	---	---	---
3	15.5	7.2	9.8	13.3	4.8	10.8	---	---	---	---	---	---
4	10.0	7.9	9.1	13.8	6.5	10.0	---	---	---	---	---	---
5	10.3	9.4	10	13.4	8.5	12.1	---	---	---	---	---	---
6	9.7	8.4	8.9	11.2	6.6	9.0	---	---	---	---	---	---
7	8.6	8.1	8.3	6.6	4.0	6.2	---	---	---	---	---	---
8	8.2	6.5	7.8	5.4	2.3	3.6	---	---	---	2.4	0.3	0.9
9	6.5	4.0	5.3	4.9	1.4	2.9	---	---	---	2.6	0.3	0.6
10	7.0	3.7	5.0	8.3	1.4	5.7	---	---	---	5.8	2.6	4.1
11	7.4	4.4	6.1	7.2	2.8	5.6	---	---	---	3.8	0.6	2.9
12	7.4	2.8	5.4	5.2	4.7	4.9	---	---	---	4.6	1.7	2.8
13	7.1	5.1	6.3	5.2	2.5	4.8	---	---	---	13.7	3.0	5.7
14	6.5	3.9	5.5	3.9	0.4	2.3	---	---	---	15.1	3.9	8.7
15	6.2	1.7	4.5	6.5	3.3	5.2	---	---	---	7.4	2.0	5.4
16	5.3	2.0	3.5	6.1	4.2	4.8	---	---	---	5.7	0.8	3.6
17	6.6	2.3	4.2	5.3	0.9	3.9	---	---	---	4.9	0.8	3.6
18	4.8	3.7	4.0	2.5	1.1	1.7	---	---	---	3.6	0.4	1.7
19	11.4	4.2	9.5	4.4	0.7	2.9	---	---	---	5.2	0.8	3.4
20	10.4	5.4	7.2	3.4	0.5	1.6	---	---	---	4.9	0.6	2.8
21	6.2	4.1	5.3	9.5	1.0	4.5	---	---	---	2.9	0.5	2.2
22	6.1	2.9	4.5	4.1	1.0	3.2	---	---	---	3.3	0.6	1.9
23	---	---	---	4.4	0.8	2.5	---	---	---	4.9	2.8	4.2
24	---	---	---	4.1	0.6	2.4	---	---	---	9.7	0.4	4.1
25	---	---	---	7.3	0.8	4.0	---	---	---	11.4	6.9	9.0
26	---	---	---	9.4	2.2	5.5	---	---	---	15.3	5.9	8.4
27	---	---	---	5.0	4.0	4.6	---	---	---	16.4	7.2	10.5
28	---	---	---	5.2	2.9	4.6	---	---	---	14.2	7.9	10.6
29	---	---	---	7.6	2.0	5.1	---	---	---	13.6	7.8	10.4
30	---	---	---	12.8	7.0	10.3	---	---	---	15.3	7.7	10.9
31	5.8	5.3	5.7	---	---	---	---	---	---	13.1	6.1	9.7
MONTH	---	---	---	13.8	0.4	5.2	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	8.1	3.3	6.9	8.2	2.1	4.8	0.4	0.2	0.3	8.9	6.3	7.0
2	6.8	3.0	5.7	7.3	0.8	4.2	0.8	0.3	0.5	8.9	4.8	7.0
3	9.7	3.0	7.0	7.0	1.4	4.4	1.1	0.2	0.4	5.8	2.9	4.7
4	10.1	6.6	7.8	7.5	4.5	5.8	3.2	0.5	1.3	4.6	2.0	3.2
5	6.6	4.8	6.3	10.1	5.1	7.6	3.2	0.7	1.8	14.9	2.5	8.0
6	17.2	6.0	13.7	7.0	5.8	6.4	5.8	1.0	1.8	17.0	12.8	14.8
7	16.5	7.2	8.7	7.2	3.6	6.5	6.3	3.5	4.7	15.7	12.1	13.3
8	15.9	6.1	8.4	10.1	3.5	5.8	5.6	2.8	4.3	14.5	11.8	12.7
9	19.9	14.1	16.9	10.6	4.2	7.2	6.1	2.8	5.1	13.6	11.8	12.2
10	19.9	14.0	17.1	7.4	1.6	5.8	6.8	1.2	6.2	13.4	11.7	12.1
11	16.8	9.9	12.3	6.7	1.3	4.8	5.3	0.4	2.2	14.0	12.5	13.2
12	15.4	10.4	12.4	4.7	1.3	3.3	4.6	0.4	2.3	12.6	10.7	11.6
13	13.0	9.1	10.5	4.7	1.5	3.4	3.5	0.4	1.4	10.7	9.4	10.4
14	15.4	10.1	12.0	4.3	0.4	2.0	2.9	0.3	1.2	10.8	3.8	7.2
15	18.5	12.1	15.4	3.6	0.3	1.7	1.8	0.4	1.1	7.5	2.0	4.8
16	17.3	12.6	15.0	4.3	0.5	2.3	9.4	0.2	3.9	7.3	2.2	4.8
17	12.6	6.2	11.0	10.0	2.0	7.5	9.4	2.1	6.1	11.4	2.7	5.4
18	9.1	4.7	7.0	6.0	2.4	3.6	3.7	0.8	2.4	11.5	2.2	6.6
19	---	---	---	4.7	2.7	3.6	6.7	0.6	1.9	7.6	2.1	5.3
20	---	---	---	7.5	0.5	4.3	10.1	3.2	5.0	7.5	1.5	4.8
21	---	---	---	6.0	0.5	3.3	10.2	2.4	6.2	7.4	1.5	4.5
22	---	---	---	6.2	0.6	3.9	5.5	1.6	4.1	8.2	1.5	5.8
23	---	---	---	6.7	0.6	3.6	4.6	1.6	3.4	8.1	1.7	5.1
24	---	---	---	6.2	0.5	3.2	8.7	1.9	5.3	6.0	0.4	2.3
25	9.7	3.2	7.0	3.6	0.4	1.8	10.4	8.7	9.6	2.7	0.6	2.1
26	9.0	1.5	5.7	3.1	0.5	2.1	8.8	5.6	7.8	3.7	0.9	1.8
27	13.2	1.6	9.3	5.0	0.4	2.6	6.0	3.3	4.9	4.0	1.0	2.7
28	9.0	3.2	6.2	7.4	0.6	4.8	3.3	2.8	2.9	6.4	0.9	3.9
29	---	---	---	5.3	1.3	2.7	3.4	2.9	3.2	4.1	0.4	2.3
30	---	---	---	6.3	5.3	5.8	8.7	3.4	4.9	4.9	0.4	2.0
31	---	---	---	6.3	0.3	3.7	---	---	---	3.6	0.6	1.6
MONTH	---	---	---	10.6	0.3	4.3	10.4	0.2	3.5	17.0	0.4	6.6

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	2.8	0.4	1.3	13.2	4.0	6.4	1.4	0.2	0.8	12.0	7.4	9.0
2	7.6	0.4	1.8	5.8	4.5	5.0	1.0	0.2	0.5	11.6	7.4	8.7
3	7.9	1.4	4.4	5.3	4.0	5.1	0.8	0.5	0.6	10.5	7.0	8.0
4	3.9	0.7	2.9	5.2	4.0	4.6	0.9	0.2	0.4	8.3	6.7	7.3
5	3.1	0.5	1.7	5.2	3.7	4.6	2.0	0.5	1.1	6.8	5.6	6.3
6	---	---	---	5.3	3.7	4.7	1.2	0.4	0.9	8.7	4.8	6.5
7	3.3	1.5	2.3	5.0	3.7	4.4	1.0	0.3	0.6	9.4	5.6	6.7
8	5.9	1.6	3.6	4.6	1.1	3.2	0.8	0.3	0.6	9.6	6.2	7.2
9	6.7	1.5	5.0	3.6	0.6	2.2	7.9	0.3	2.3	10.5	6.3	7.6
10	5.3	0.3	2.2	3.4	0.6	2.0	6.2	1.6	3.2	10.4	6.8	7.5
11	1.3	0.3	0.6	3.1	0.6	1.8	4.7	1.9	3.0	6.8	6.4	6.7
12	2.9	0.3	1.2	2.7	0.5	1.3	5.5	1.8	2.8	9.6	6.3	7.0
13	2.9	0.2	1.4	3.8	0.4	1.6	5.5	2.1	3.0	7.9	7.0	7.3
14	2.5	0.3	1.2	8.3	1.5	2.9	4.2	2.0	2.5	7.4	6.8	7.1
15	2.5	0.5	1.4	8.4	3.5	5.7	2.6	1.5	2.4	6.8	3.6	5.7
16	2.8	0.4	1.4	7.9	4.3	5.2	9.1	1.5	4.9	6.6	2.9	4.9
17	2.8	0.4	1.4	4.5	2.5	4.2	11.1	8.6	10.2	8.0	3.3	5.8
18	2.4	0.3	1.2	4.2	1.8	3.5	8.7	4.2	7.1	6.7	4.6	5.6
19	2.2	0.3	1.1	3.7	1.6	2.8	---	---	---	8.3	4.3	6.0
20	2.3	0.4	1.2	3.4	2.0	2.7	---	---	---	6.0	3.5	5.1
21	2.6	1.2	1.8	3.4	1.7	2.8	3.2	0.7	2.1	10.6	5.9	7.5
22	4.3	1.4	2.9	2.4	0.4	1.2	4.1	0.7	2.6	7.4	4.5	5.9
23	4.3	2.1	3.1	1.2	0.3	0.7	---	---	---	5.8	2.6	4.6
24	4.0	0.4	2.0	1.0	0.3	0.7	---	---	---	8.1	1.5	4.8
25	2.5	0.4	1.4	1.7	0.3	0.8	---	---	---	8.1	3.9	4.9
26	2.8	0.3	1.5	1.7	0.4	0.9	---	---	---	13.7	5.8	8.8
27	2.4	0.3	0.9	2.0	0.3	1.0	10.2	6.3	7.8	14.7	7.7	12.0
28	2.1	0.3	1.0	1.7	0.3	0.9	9.5	6.3	7.1	10.2	6.6	8.1
29	4.3	0.2	1.0	2.5	0.3	0.9	7.4	6.1	6.4	6.6	6.2	6.5
30	13.2	1.8	5.4	2.5	0.4	1.1	13.9	6.2	9.4	8.4	5.3	6.6
31	---	---	---	1.4	0.3	0.9	14.7	7.4	10.9	---	---	---
MONTH	---	---	---	13.2	0.3	2.8	---	---	---	14.7	1.5	6.9

MISSISSIPPI RIVER DELTA

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	30.3	27.8	28.9	21.6	19.3	20.6	14.5	12.4	13.3	---	---	---
2	28.9	27.3	28.4	19.7	17.6	18.9	14.1	12.3	13.4	---	---	---
3	27.3	25.8	26.2	20.6	19.1	19.4	15.9	13.6	14.6	---	---	---
4	28.3	25.8	26.8	21.0	19.1	20.2	18.2	14.8	16.3	---	---	---
5	28.6	27.3	27.9	21.2	20.3	20.9	16.8	12.4	14.5	---	---	---
6	29.7	27.1	28.4	21.1	18.1	19.3	13.3	10.6	12.0	---	---	---
7	30.3	28.0	29.2	19.0	16.5	18.2	12.9	11.9	12.5	---	---	---
8	29.5	27.5	28.6	20.3	18.6	19.4	12.8	12.1	12.4	12.9	11.7	12.1
9	28.2	27.4	27.8	21.5	19.4	20.4	12.8	11.8	12.4	13.3	12.0	12.6
10	27.7	26.8	27.2	23.0	20.4	21.4	12.5	11.7	12.1	15.8	13.3	14.5
11	28.4	26.6	27.3	22.9	22.0	22.7	13.4	11.6	12.3	15.1	10.2	12.0
12	27.3	26.2	26.8	22.5	18.5	20.9	---	---	---	12.4	8.7	10.6
13	26.2	24.0	25.6	18.5	15.0	16.5	---	---	---	11.2	7.7	9.8
14	24.2	22.6	23.5	19.2	18.0	18.9	---	---	---	10.6	8.2	9.4
15	24.2	22.4	23.6	19.1	18.4	18.8	---	---	---	10.5	8.8	9.8
16	23.5	21.4	22.7	18.5	13.9	16.3	---	---	---	11.2	10.2	10.7
17	23.6	22.6	23.0	16.6	12.2	14.2	---	---	---	10.7	7.1	8.6
18	23.1	21.1	22.2	16.9	14.9	15.9	---	---	---	9.3	8.2	8.8
19	23.6	22.5	23.0	17.6	16.5	17.0	---	---	---	11.5	8.1	9.5
20	25.0	23.3	24.0	18.0	17.1	17.4	---	---	---	13.2	9.1	10.7
21	25.4	23.5	24.2	18.7	16.7	17.7	---	---	---	14.4	10.7	12.0
22	25.2	23.5	24.3	17.3	16.1	16.9	---	---	---	15.3	12.2	13.9
23	---	---	---	16.5	14.8	15.9	---	---	---	14.9	8.3	10.3
24	---	---	---	17.5	15.4	16.4	---	---	---	9.8	8.3	9.1
25	---	---	---	19.0	16.1	17.5	---	---	---	8.5	6.6	7.9
26	---	---	---	19.6	17.1	18.2	---	---	---	8.5	7.8	8.0
27	---	---	---	19.3	13.9	16.4	---	---	---	9.3	7.7	8.4
28	---	---	---	14.4	12.9	13.6	---	---	---	10.0	8.4	9.2
29	---	---	---	15.0	13.2	14.5	---	---	---	13.3	9.9	11.3
30	---	---	---	14.9	14.0	14.3	---	---	---	14.6	11.9	13.1
31	23.7	21.3	22.4	---	---	---	---	---	---	14.5	12.5	13.5
MONTH	---	---	---	23.0	12.2	18.0	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	15.7	12.0	13.4	15.8	15.1	15.4	18.3	17.0	17.7	27.0	26.0	26.4
2	16.7	12.6	14.1	17.1	15.3	15.8	18.9	17.7	18.0	27.5	26.8	27.1
3	16.4	13.6	14.9	17.1	13.8	15.1	19.6	18.5	18.9	28.2	27.5	27.8
4	16.7	14.2	15.7	15.2	12.8	13.9	20.9	19.6	20.1	28.5	27.6	28.1
5	15.9	12.5	13.7	15.9	14.5	14.9	22.0	20.9	21.4	28.4	27.5	28.0
6	14.6	13.0	14.0	18.6	15.6	16.4	24.4	22.0	22.9	28.0	26.4	27.3
7	14.2	9.7	12.0	18.6	17.1	17.9	24.8	23.8	24.2	28.0	26.5	27.3
8	12.2	8.2	9.8	18.3	15.8	17.6	24.6	22.4	23.1	28.0	26.7	27.3
9	11.0	10.4	10.6	18.6	17.3	17.9	22.5	15.3	18.6	28.0	26.7	27.3
10	13.2	11.0	11.9	20.6	17.2	19.5	16.8	12.0	13.7	28.4	26.9	27.6
11	13.4	12.0	12.6	20.5	16.9	18.9	17.6	14.8	16.3	29.3	26.8	28.0
12	14.7	12.1	13.2	19.5	16.9	18.3	18.6	16.6	17.5	29.3	27.4	28.2
13	16.0	13.3	14.5	21.4	17.7	19.7	20.0	17.6	18.7	28.5	26.2	27.1
14	18.1	14.8	16.0	21.6	17.8	19.3	22.0	19.2	20.3	28.9	27.4	28.0
15	18.7	16.5	17.8	21.3	18.0	19.3	22.3	20.1	21.1	28.9	27.6	28.1
16	18.5	16.6	17.7	20.1	18.1	19.3	23.4	21.3	21.9	29.0	27.5	28.4
17	16.6	12.7	14.3	22.2	19.0	21.0	24.1	22.8	23.2	29.0	27.7	28.3
18	15.7	12.8	14.3	21.9	19.4	20.4	24.9	23.6	24.0	28.7	27.1	28.0
19	---	---	---	20.8	19.7	20.1	25.6	24.3	24.9	28.6	27.5	28.1
20	---	---	---	22.2	18.7	20.7	25.6	23.8	24.8	28.3	27.4	27.9
21	---	---	---	20.4	18.7	19.5	25.6	24.8	25.3	28.4	27.4	27.9
22	---	---	---	20.3	19.0	19.6	25.5	24.3	25.0	28.2	26.2	27.1
23	---	---	---	21.1	18.9	20.1	25.3	23.2	24.1	27.1	24.0	25.8
24	---	---	---	21.1	19.7	20.4	24.5	23.4	24.1	27.5	25.9	26.8
25	16.8	16.1	16.5	21.4	20.3	20.9	25.2	24.0	24.2	28.0	27.0	27.3
26	16.6	15.1	15.7	21.6	20.7	21.1	25.2	23.1	24.4	28.9	27.4	27.8
27	16.8	15.1	16.2	21.5	19.2	20.3	25.0	22.1	23.7	28.9	27.9	28.3
28	16.1	15.1	15.5	22.6	21.1	21.8	26.3	24.4	24.8	28.6	26.0	27.0
29	---	---	---	22.5	16.6	21.3	26.3	24.9	25.3	27.8	26.6	27.1
30	---	---	---	16.6	14.0	15.6	26.8	24.8	25.3	28.0	26.6	27.2
31	---	---	---	18.3	15.8	16.8	---	---	---	28.0	27.0	27.6
MONTH	---	---	---	22.6	12.8	18.7	26.8	12.0	21.9	29.3	24.0	27.6

292224090424200 BAYOU DULAC AT DULAC, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.1	27.1	27.5	27.3	25.4	26.2	30.5	29.2	29.9	30.8	28.8	29.4
2	28.8	27.6	28.1	27.7	26.8	27.0	30.4	29.1	29.8	32.2	29.9	30.7
3	28.8	27.0	27.9	27.9	26.8	27.3	30.8	28.6	29.4	33.2	30.8	31.7
4	28.4	27.6	27.9	27.6	27.0	27.3	32.0	30.1	30.6	33.1	31.2	32.1
5	27.9	26.9	27.2	28.1	26.7	27.2	32.6	30.7	31.4	32.3	30.7	31.3
6	---	---	---	28.2	27.1	27.6	32.5	31.5	32.0	30.7	28.3	29.5
7	28.6	26.9	27.4	29.0	27.0	27.8	32.0	30.8	31.4	30.6	28.4	29.5
8	29.5	28.5	28.7	30.1	28.0	28.7	32.7	30.7	31.3	30.8	29.7	30.3
9	30.9	29.1	29.9	31.3	28.8	29.5	32.7	31.0	31.5	30.9	29.6	30.0
10	31.2	29.0	30.1	31.5	29.8	30.5	32.0	30.8	31.4	29.8	27.6	28.5
11	30.6	29.1	29.7	30.8	29.7	30.3	31.9	30.9	31.4	29.7	28.4	28.9
12	30.6	29.1	29.6	31.6	29.5	30.2	31.2	29.3	30.1	29.0	28.0	28.4
13	30.0	28.9	29.4	31.9	29.9	30.6	30.1	27.2	28.8	28.5	27.2	27.8
14	30.2	29.2	29.6	29.9	27.9	28.9	29.4	26.8	27.9	31.0	27.6	28.7
15	30.5	29.5	30.0	28.6	27.3	27.9	29.7	28.1	28.8	30.9	28.8	29.8
16	30.3	28.6	29.3	30.1	28.6	29.1	29.7	28.5	29.1	30.0	28.7	29.2
17	29.8	28.1	29.0	30.5	29.6	30.2	29.9	29.4	29.5	29.9	27.9	28.8
18	29.6	28.1	28.7	29.6	27.1	28.2	31.2	29.1	29.8	30.6	28.3	29.3
19	29.6	28.8	29.2	30.2	28.3	29.0	---	---	---	30.6	28.8	29.8
20	29.6	28.0	28.6	30.1	29.0	29.6	---	---	---	30.4	28.1	29.5
21	28.5	26.6	27.6	30.1	28.2	28.9	32.0	30.0	30.5	28.1	27.3	27.8
22	29.5	27.2	27.4	30.9	29.7	30.2	31.2	30.0	30.5	28.0	27.2	27.6
23	31.0	29.4	29.6	30.9	29.8	30.3	---	---	---	28.2	26.2	27.1
24	31.3	30.1	30.6	30.0	28.4	29.2	---	---	---	28.2	27.2	27.7
25	31.5	30.1	30.4	30.0	28.7	29.5	---	---	---	27.9	27.0	27.5
26	31.6	30.0	30.8	31.2	28.9	29.7	---	---	---	28.3	27.5	27.7
27	31.0	29.9	30.5	31.2	30.1	30.5	31.3	30.6	31.0	29.3	27.9	28.3
28	31.0	29.1	29.8	31.0	30.2	30.6	31.7	30.4	31.1	29.2	26.7	27.8
29	31.0	29.3	30.0	30.8	29.2	29.9	31.5	30.1	30.6	26.8	21.8	24.6
30	29.3	26.7	28.0	31.0	29.9	30.4	30.9	29.4	30.2	24.4	21.7	22.9
31	---	---	---	31.0	29.7	30.3	29.4	28.2	28.9	---	---	---
MONTH	---	---	---	31.9	25.4	29.1	---	---	---	33.2	21.7	28.7

292440090465600 FALGOUT CANAL NEAR HWY 315 NEAR THERIOT, LA

LOCATION.--Lat 29°24'40", long 90°46'56", T. 19 S., R. 16 E., Sec. 24, Terrebonne Parish, Hydrologic Unit 08090302, on south bulkhead wall of Falgout Canal, directly behind DuLarge Fire Station.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 2002 to September 2003.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is assumed.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 2,910 ft³/s, Dec. 24, 2002; maximum elevation, 11.02 ft, Oct. 3, 2002; maximum negative discharge, -9,170 ft³/s, Oct. 3, 2002; minimum elevation, 6.13 ft, Jan. 23, 2003.

EXTREMES FOR CURRENT YEAR.--2002 W.Y. Maximum positive discharge, 2,480 ft³/s, Sept. 14; maximum gage height, 8.69 ft, Sept. 8; maximum negative discharge, -4,230 ft³/s, Sept. 26; minimum gage height, 7.13 ft, July 18.
2003 W.Y. Maximum discharge, 2,910 ft³/s, Dec. 24; maximum gage height, 11.02 ft, Oct. 3; maximum negative discharge, -9,170 ft³/s, Oct. 3; minimum gage height, 6.13 ft, Jan. 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR JUNE 2002 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										282	336	-1,020
2										420	164	-1,070
3										692	-548	-682
4										690	-809	-687
5										867	4.7	-455
6										-251	315	-226
7										-751	-38	-1,550
8										-648	241	-1,340
9										-254	-1,080	-812
10										-69	-1,280	-605
11										-191	-1,070	324
12										246	-84	159
13										464	180	-611
14										1,130	307	-7.3
15										794	-384	913
16										334	-200	131
17										442	-324	154
18										727	-77	-0.55
19										-1.5	86	-521
20									-154	-0.17	-34	-43
21									-446	-20	41	-258
22									-774	-388	186	-1,280
23									-639	-108	151	-2,060
24									-1.72	13	28	-2,630
25									-245	172	621	-3,090
26									408	59	186	-1,530
27									129	23	-73	-701
28									497	329	255	-325
29									260	108	-396	45
30									31	520	-498	-610
31									---	414	-626	---
TOTAL									---	6,044.33	-4,419.3	-20,387.85
MEAN									---	195	-143	-680

292440090465600 FALGOUT CANAL NEAR HWY 315 NEAR THERIOT, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR JUNE 2002 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										7.87	7.54	7.68
2										7.75	7.47	7.82
3										7.65	7.61	8.04
4										7.57	7.68	8.09
5										7.42	7.79	8.16
6										7.33	7.93	8.22
7										7.54	7.96	8.40
8										7.63	7.89	8.60
9										7.77	7.96	8.46
10										7.77	8.06	8.41
11										7.85	8.21	8.32
12										7.94	8.22	8.18
13										7.92	8.09	8.17
14										7.78	8.04	8.32
15										7.66	8.15	8.17
16										7.52	8.14	8.01
17										7.52	8.13	7.93
18										7.37	8.08	7.96
19										7.39	8.05	8.07
20									7.95	7.44	8.02	8.23
21									7.85	7.48	8.01	8.11
22									7.86	7.50	8.01	8.21
23									7.99	7.54	7.95	8.13
24									8.12	7.57	7.92	8.11
25									8.17	7.60	7.87	8.10
26									8.23	7.63	7.75	8.51
27									8.27	7.66	7.66	8.45
28									8.26	7.66	7.65	8.45
29									8.12	7.67	7.60	8.24
30									8.00	7.65	7.68	8.26
31									---	7.54	7.70	---
MAX									---	7.94	8.22	8.60
MIN									---	7.33	7.47	7.68

292440090465600 FALGOUT CANAL NEAR HWY 315 NEAR THERIOT, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-464	-1,270	---	715	209	-280	477	-197	583	119	453	154
2	-2,050	-1,790	---	---	80	-182	-117	91	-456	-77	353	-14
3	-6,150	-1,700	---	---	-82	-1,480	-1,010	134	82	264	378	-65
4	2,270	-224	-184	---	315	-1,130	-262	-375	-112	293	471	-138
5	1,040	393	540	---	-1,170	-799	-181	-501	-713	-77	312	-273
6	605	1,010	-264	---	-798	314	-640	-65	46	-350	469	-292
7	125	-99	-120	---	556	-835	-162	30	627	-447	840	-106
8	-648	58	-44	---	-1,250	-987	-420	-286	532	-80	-35	-161
9	-807	-237	-596	-101	-1,090	58	797	-266	216	75	-334	-336
10	-555	102	-156	493	510	-499	593	-459	520	176	-186	-188
11	189	175	-339	-656	-374	-486	-113	970	246	-83	-101	-522
12	-61	404	-1,220	-706	106	-421	274	558	6.8	-248	-351	-1,020
13	38	-428	1,500	-1,170	-549	-34	278	-645	371	-686	-151	208
14	-734	-986	339	112	-261	-416	632	-154	55	-1,360	-310	188
15	-132	-16	-30	-172	---	-425	-107	105	15	-665	-1,060	-330
16	-3.0	707	164	416	---	-1,070	-452	-162	-3.4	180	-656	-924
17	-459	-106	-250	713	---	47	1,040	202	-262	744	501	-283
18	-880	55	-349	-133	---	-474	148	305	72	623	647	-153
19	-512	316	27	430	---	-290	-845	-141	192	854	-38	-177
20	157	-204	1,110	236	---	975	-414	-212	124	683	231	-186
21	-226	149	-190	231	---	1,190	33	-33	234	877	-109	-479
22	-754	---	400	306	---	63	-393	-164	354	885	-509	259
23	-528	---	-967	461	---	551	-620	-222	184	813	-456	-183
24	-331	---	791	-1,240	---	-75	-661	-332	-82	509	-403	-589
25	-365	---	1,150	-319	-134	-407	1,490	228	57	171	-591	-580
26	-59	---	-516	-607	-894	-412	389	315	-204	-171	-131	-1,080
27	-559	---	-33	-365	174	-1,190	-420	-468	-78	-230	-216	-160
28	202	---	-317	-223	-91	-5.3	-476	-552	-451	-198	-246	236
29	-345	---	-215	-8.8	---	878	-1,170	290	-1,130	44	-852	-783
30	63	---	-459	55	---	684	-677	166	-2,830	278	-1,380	-729
31	-694	---	1,120	213	---	-107	---	504	---	245	-688	---
TOTAL	-12627.0	---	---	---	---	-7,244.3	-2,989	-1,336	-1,804.6	3,161	-4,148	-8,706
MEAN	-407	---	---	---	---	-234	-99.6	-43.1	-60.2	102	-134	-290

292440090465600 FALGOUT CANAL NEAR HWY 315 NEAR THERIOT, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.21	7.65	---	7.43	7.08	7.55	7.25	8.00	7.45	8.87	7.52	8.56
2	8.32	7.59	---	7.46	7.17	7.55	7.26	7.93	7.65	8.50	7.49	8.46
3	9.79	7.93	---	---	7.37	7.54	7.56	7.88	7.77	8.37	7.50	8.35
4	9.82	7.95	7.49	---	7.23	7.79	7.76	7.94	7.71	8.21	7.55	8.27
5	8.90	8.29	7.22	---	7.04	7.98	7.84	8.39	7.77	8.11	7.62	8.19
6	8.41	7.79	6.94	---	7.30	7.88	7.95	8.48	8.16	7.99	7.60	8.13
7	8.18	7.46	7.06	---	6.86	7.63	8.09	8.49	7.97	7.99	7.56	8.18
8	8.04	7.57	7.02	---	6.76	7.79	8.07	8.33	7.68	8.06	7.43	8.24
9	8.39	7.74	7.09	7.07	7.20	7.74	7.50	8.34	7.57	8.06	7.52	8.30
10	8.58	7.98	7.26	7.20	7.26	7.63	7.07	8.42	7.75	8.02	7.59	8.21
11	8.41	8.07	7.40	6.84	7.04	7.67	7.18	8.38	7.86	7.96	7.63	8.25
12	8.29	7.49	7.38	6.92	7.21	7.79	7.28	7.73	7.96	7.94	7.71	8.43
13	8.02	7.01	7.59	7.01	7.08	7.72	7.36	7.57	8.01	8.06	7.73	8.46
14	7.79	7.42	7.03	7.05	7.27	7.72	7.32	7.90	7.94	8.20	7.65	8.15
15	8.01	7.62	7.13	7.10	---	7.79	7.22	7.94	7.88	8.39	7.54	8.12
16	7.83	7.02	7.17	7.21	---	8.03	7.69	7.90	7.82	8.25	7.84	8.12
17	7.97	6.86	7.29	6.68	---	8.16	7.79	8.09	7.76	8.09	7.94	8.16
18	7.85	7.09	7.59	6.89	---	8.28	7.66	7.91	7.78	7.94	7.75	8.16
19	8.16	7.04	7.77	6.94	---	8.38	7.73	7.72	7.84	7.78	7.82	8.18
20	7.97	7.15	7.49	7.06	---	8.28	7.83	7.68	7.81	7.59	7.75	8.05
21	7.92	7.28	7.40	7.19	7.78	7.97	7.67	7.62	7.88	7.53	7.62	8.18
22	7.88	7.11	7.47	7.19	8.07	7.75	7.61	7.41	---	7.60	7.68	8.27
23	8.04	---	7.49	6.38	7.63	7.64	7.63	7.34	7.72	7.61	7.88	8.09
24	7.98	---	7.92	6.45	---	7.56	8.03	7.46	7.82	7.53	7.98	8.21
25	8.12	---	7.08	6.71	7.37	7.64	8.16	7.56	8.03	7.47	8.06	8.23
26	8.08	---	6.90	6.78	7.52	7.63	7.75	7.71	8.03	7.48	8.10	8.41
27	8.13	---	6.90	6.90	7.72	7.71	7.64	7.50	8.16	7.49	8.11	8.41
28	8.27	---	6.96	7.07	7.48	8.03	7.76	7.44	8.14	7.58	8.10	8.12
29	8.30	---	7.20	7.17	---	7.61	7.84	7.51	8.35	7.65	8.09	7.82
30	8.19	---	7.40	7.19	---	6.90	7.97	7.54	8.91	7.68	8.42	7.85
31	7.79	---	7.81	7.22	---	6.99	---	7.57	---	7.60	8.55	---
MAX	9.82	---	---	---	---	8.38	8.16	8.49	---	8.87	8.55	8.56
MIN	7.79	---	---	---	---	6.90	7.07	7.34	---	7.47	7.43	7.82

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2002 to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2002 to September 2003.

SALINITY: June 2002 to September 2003.

WATER TEMPERATURE: June 2002 to September 2003.

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

REMARKS.--Stage affected by wind and tide.

2002 WY

SPECIFIC CONDUCTANCE: Records good except for Sept. 3-12 and Sept 24-26 when records fair.

SALINITY: Records good except for Sept. 3-12 and Sept 24-26 when records fair.

WATER TEMPERATURE: Records good.

2003 WY

SPECIFIC CONDUCTANCE: Records good except for Nov. 11 - Jan. 8, Feb. 8-19, Mar. 11 - April 1, April 3-6, April 16, April 30 - May 6, May 16-17, May 18 - June 29, July 5-13, July 18-30, and Sept. 12-16 when records fair.

SALINITY: Records good except for Nov. 11 - Jan. 8, Feb. 8-19, Mar. 11 - April 1, April 3-6, April 16, April 30 - May 6, May 16-17, May 18 - June 29, July 5-13, July 18-30, and Sept. 12-16 when records fair.

TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 29,300 microsiemens/cm, Feb. 9-10, 2003; minimum, 242 microsiemens/cm, Apr. 3-4, 2003.

SALINITY: Maximum, 18.1 ppt, Feb 9-10, 2003; Minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 34.6°C, July 18, 2002; minimum, 7.8°C, Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 28,400 microsiemens/cm, Sept. 8; minimum, 296 microsiemens/cm, June 25.

SALINITY: Maximum, 17.5 ppt, Sept. 8; minimum, 0.1 ppt, June 25.

WATER TEMPERATURE: Maximum, 34.6°C, July 18; minimum, 23.3°C, Sept. 27.

SPECIFIC CONDUCTANCE: Maximum, 29,300 microsiemens/cm, Feb. 9, 10; minimum, 242 microsiemens/cm, Apr. 3, 4.

SALINITY: Maximum, 18.1 ppt, Feb. 9, 10; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.2°C, Sept. 3; minimum, 7.8°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR JUNE 2002 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				964	605	744	583	489	523	18,700	6,420	13,000
2				1,160	845	944	604	501	551	23,000	11,100	16,400
3				1,340	980	1,070	3,400	406	1,090	25,800	15,500	21,800
4				1,150	852	969	12,100	520	5,880	26,200	14,900	22,300
5				1,040	754	872	8,590	3,510	5,630	25,900	15,400	22,500
6				1,440	403	797	6,360	2,010	3,820	25,000	13,600	20,400
7				1,260	315	617	7,400	1,650	3,730	27,900	19,600	23,700
8				720	316	478	3,490	1,550	2,380	28,400	26,600	27,700
9				892	325	453	16,000	1,150	4,780	27,300	25,000	25,700
10				624	332	467	22,200	6,760	13,700	27,400	24,000	26,200
11				585	342	492	24,900	16,800	21,100	25,200	18,400	23,400
12				710	380	543	24,000	15,300	20,200	21,700	16,600	19,600
13				626	543	562	21,600	11,600	16,100	18,400	13,800	15,300
14				565	457	523	13,600	7,710	11,400	16,600	11,000	13,500
15				563	454	521	10,200	6,060	7,530	13,300	11,700	12,900
16				908	545	666	8,510	5,550	7,000	12,300	6,420	10,000
17				990	644	754	7,860	3,310	5,440	11,400	3,360	8,460
18				795	628	676	6,730	1,420	4,280	10,400	2,710	6,850
19				1,160	384	665	5,890	943	3,980	8,030	2,390	4,860
20	635	321	473	1,090	456	682	5,130	1,020	3,270	5,340	3,910	4,530
21	835	318	515	887	459	628	4,640	982	3,310	6,380	2,560	4,990
22	873	309	486	789	406	567	4,430	1,010	3,300	9,280	2,750	5,440
23	566	300	380	675	394	537	4,220	1,580	3,330	17,100	8,670	10,700
24	567	298	394	633	409	542	4,050	1,280	3,190	26,900	17,100	23,200
25	516	296	410	614	366	522	4,000	3,180	3,560	25,900	21,000	23,600
26	511	326	443	601	363	501	3,550	2,980	3,330	25,400	12,000	19,000
27	500	311	410	581	377	497	3,790	2,170	3,470	12,300	3,640	7,120
28	451	369	430	573	468	534	3,710	1,080	2,740	7,100	1,790	3,990
29	503	382	452	564	520	539	3,670	1,840	2,780	8,240	2,070	5,670
30	704	376	532	553	473	533	7,060	1,700	3,700	7,800	930	3,490
31	---	---	---	547	473	506	13,600	3,870	8,470	---	---	---
MONTH	---	---	---	1,440	315	626	24,900	406	5,920	28,400	930	14,900

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR JUNE 2002 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				0.5	0.3	0.4	0.3	0.2	0.3	11.1	3.5	7.5
2				0.6	0.4	0.5	0.3	0.2	0.3	13.9	6.3	9.6
3				0.7	0.5	0.5	1.8	0.2	0.6	15.8	9.0	13.1
4				0.6	0.4	0.5	6.9	0.3	3.3	16.0	8.7	13.4
5				0.5	0.4	0.4	4.8	1.8	3.0	15.8	9.0	13.6
6				0.7	0.2	0.4	3.5	1.0	2.0	15.2	7.8	12.2
7				0.6	0.2	0.3	4.1	0.8	2.0	17.2	11.7	14.3
8				0.4	0.2	0.2	1.8	0.8	1.2	17.5	16.3	17.0
9				0.4	0.2	0.2	9.3	0.6	2.6	16.7	15.2	15.7
10				0.3	0.2	0.2	13.3	3.7	7.9	16.8	14.5	16.0
11				0.3	0.2	0.2	15.1	9.9	12.7	15.3	10.9	14.1
12				0.3	0.2	0.3	14.5	8.9	12.1	13.0	9.7	11.7
13				0.3	0.3	0.3	13.0	6.6	9.4	10.9	7.9	8.9
14				0.3	0.2	0.3	7.8	4.3	6.5	9.7	6.2	7.8
15				0.3	0.2	0.3	5.8	3.3	4.2	7.6	6.6	7.4
16				0.4	0.3	0.3	4.7	3.0	3.8	7.0	3.5	5.6
17				0.5	0.3	0.4	4.3	1.7	2.9	6.5	1.8	4.7
18				0.4	0.3	0.3	3.7	0.7	2.3	5.9	1.4	3.8
19				0.6	0.2	0.3	3.2	0.5	2.1	4.4	1.2	2.6
20	0.3	0.2	0.2	0.5	0.2	0.3	2.8	0.5	1.7	2.9	2.1	2.4
21	0.4	0.2	0.3	0.4	0.2	0.3	2.5	0.5	1.7	3.5	1.3	2.7
22	0.4	0.2	0.2	0.4	0.2	0.3	2.4	0.5	1.7	5.2	1.4	2.9
23	0.3	0.2	0.2	0.3	0.2	0.3	2.2	0.8	1.7	10.1	4.8	6.1
24	---	---	---	0.3	0.2	0.3	2.1	0.6	1.7	16.4	10.1	14.0
25	0.3	0.1	0.2	0.3	0.2	0.3	2.1	1.7	1.9	15.8	12.6	14.3
26	0.3	0.2	0.2	0.3	0.2	0.2	1.9	1.5	1.7	15.5	6.8	11.3
27	0.2	0.2	0.2	0.3	0.2	0.2	2.0	1.1	1.8	7.0	1.9	3.9
28	0.2	0.2	0.2	0.3	0.2	0.3	2.0	0.5	1.4	3.9	0.9	2.1
29	0.2	0.2	0.2	0.3	0.3	0.3	1.9	0.9	1.4	4.6	1.1	3.1
30	0.3	0.2	0.3	0.3	0.2	0.3	3.9	0.9	2.0	4.3	0.5	1.9
31	---	---	---	0.3	0.2	0.2	7.8	2.0	4.7	---	---	---
MONTH	---	---	---	0.7	0.2	0.3	15.1	0.2	3.3	17.5	0.5	8.8

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR JUNE 2002 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				31.6	29.5	30.4	30.1	29.4	29.7	30.6	29.9	30.2
2				31.6	30.6	30.9	31.6	29.1	30.1	30.2	29.1	29.6
3				31.2	29.9	30.3	31.6	29.7	30.7	29.1	28.2	28.6
4				31.6	29.6	30.5	31.1	29.8	30.5	28.3	27.3	27.8
5				32.0	30.4	31.1	31.5	29.5	30.3	27.3	26.9	27.2
6				31.6	30.6	31.0	30.6	29.6	30.0	27.2	26.8	27.0
7				31.8	30.1	31.0	32.1	29.4	30.5	27.0	25.8	26.5
8				31.1	30.1	30.7	32.6	30.8	31.5	26.0	25.5	25.7
9				31.0	29.6	30.3	31.6	30.5	31.1	27.7	25.5	26.4
10				31.3	29.3	30.1	30.8	28.8	29.9	29.1	26.4	27.3
11				31.9	29.2	30.5	29.5	27.9	28.6	31.1	27.4	29.0
12				32.3	30.1	30.9	29.1	27.6	28.3	31.2	29.4	30.2
13				31.2	29.7	30.3	29.4	27.3	28.3	30.5	28.8	29.8
14				30.9	29.7	30.2	29.1	28.0	28.6	30.5	29.0	29.8
15				31.5	29.5	30.3	29.8	27.9	28.9	30.9	29.6	30.1
16				32.7	30.3	31.2	31.1	29.0	29.9	30.6	29.2	29.8
17				33.6	31.2	32.2	31.8	29.6	30.7	30.6	29.1	29.7
18				34.6	31.9	32.9	32.2	30.3	31.4	31.4	29.3	30.0
19				33.9	31.6	32.9	32.1	30.8	31.4	30.3	29.4	29.9
20	30.5	28.8	29.5	34.3	32.0	33.3	32.0	30.5	30.9	31.2	29.3	29.9
21	30.3	28.8	29.6	34.2	32.5	33.3	31.7	29.7	30.4	31.3	29.4	30.2
22	29.9	28.7	29.3	32.9	31.6	32.4	31.3	29.7	30.4	31.9	29.7	30.5
23	29.0	27.9	28.5	33.4	30.9	31.9	31.6	29.7	30.4	30.1	28.4	29.2
24	29.7	27.6	28.8	33.0	31.8	32.3	32.1	29.9	30.8	28.9	25.8	27.3
25	29.8	28.2	29.0	31.8	30.4	31.2	31.8	30.1	30.9	25.8	24.8	25.3
26	29.5	28.2	28.9	32.4	29.6	30.8	32.2	30.4	31.0	24.9	24.0	24.5
27	28.8	27.5	28.1	32.7	30.3	31.3	32.1	30.0	30.8	26.1	23.3	24.8
28	28.9	27.2	28.0	34.2	30.9	32.1	32.0	30.2	31.1	27.0	24.6	25.7
29	29.6	28.0	28.7	31.9	30.8	31.5	32.2	30.2	31.2	28.1	25.3	26.7
30	30.2	28.8	29.4	30.8	29.8	30.4	31.6	30.2	30.9	28.2	26.0	27.1
31	---	---	---	30.4	29.4	29.8	31.0	30.2	30.6	---	---	---
MONTH	---	---	---	34.6	29.2	31.2	32.6	27.3	30.3	31.9	23.3	28.2

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6,280	865	2,980	3,800	1,140	1,630	---	---	---	2,270	702	1,560
2	5,510	776	2,630	3,500	845	1,830	---	---	---	1,740	437	1,200
3	27,400	3,210	13,400	18,100	3,500	9,460	---	---	---	---	---	---
4	13,900	11,500	12,200	20,500	7,600	12,000	8,070	1,760	3,710	---	---	---
5	11,600	10,300	10,900	12,600	5,900	8,650	5,290	1,670	2,930	---	---	---
6	11,300	10,100	10,700	5,900	4,640	5,300	2,740	540	1,620	---	---	---
7	11,100	8,620	10,100	7,250	4,550	5,460	1,960	550	1,280	---	---	---
8	11,000	6,850	9,380	4,800	623	3,080	1,900	475	1,250	---	---	---
9	6,880	4,140	4,900	4,800	628	2,440	2,070	469	856	1,630	1,480	1,570
10	5,230	2,730	3,480	3,330	593	1,980	6,580	555	2,620	1,650	402	1,160
11	5,710	3,720	4,680	3,100	758	2,210	6,620	1,340	3,440	1,640	286	1,020
12	6,100	2,240	4,450	3,580	2,340	2,950	7,000	2,910	5,760	693	267	392
13	5,990	3,630	4,960	4,180	1,270	2,940	7,540	2,180	4,220	6,930	267	1,010
14	6,720	2,600	4,160	1,940	457	812	2,940	1,450	2,260	7,870	915	2,610
15	4,500	1,470	2,870	1,200	443	786	2,670	704	2,010	1,900	329	1,310
16	4,740	2,290	3,710	2,710	1,200	2,160	2,430	588	1,670	1,160	319	782
17	4,240	1,580	2,820	3,320	1,180	2,820	1,960	589	1,340	1,500	780	1,010
18	4,090	1,680	2,980	3,050	879	2,170	6,330	672	2,150	1,120	289	695
19	6,910	2,230	4,930	2,800	689	1,930	13,300	2,090	5,980	977	325	729
20	5,660	3,930	4,470	2,370	469	1,470	5,740	1,430	2,310	872	340	643
21	5,650	1,620	4,380	1,710	610	1,270	2,880	611	1,800	853	358	697
22	3,100	1,160	1,920	1,980	406	1,450	1,800	559	1,350	973	354	746
23	3,810	1,140	2,130	---	---	---	2,110	434	871	1,260	881	1,110
24	3,830	2,730	3,180	---	---	---	19,000	524	5,250	1,970	342	887
25	4,280	1,760	2,850	---	---	---	1,920	1,430	1,680	2,020	557	1,090
26	4,060	2,480	3,210	---	---	---	3,290	1,770	2,470	11,400	949	2,420
27	3,880	1,820	2,630	---	---	---	3,350	994	2,390	12,800	1,570	5,540
28	3,430	1,590	2,710	---	---	---	3,020	369	2,470	13,200	2,650	6,890
29	3,750	1,380	2,250	---	---	---	2,470	336	1,400	12,100	2,490	6,360
30	3,130	930	2,190	---	---	---	1,820	383	1,070	11,300	2,190	5,410
31	3,330	1,630	2,280	---	---	---	6,770	449	3,100	9,140	2,320	4,580
MONTH	27,400	776	4,850	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	3,560	1,600	2,450	3,120	387	1,510	1,640	711	1,300	4,760	3,020	3,690
2	2,050	737	1,480	2,850	373	1,430	1,260	682	868	3,750	1,620	2,810
3	1,940	735	1,330	1,680	318	683	1,210	242	442	2,850	553	1,850
4	2,430	1,260	1,630	1,970	384	1,420	344	242	290	2,050	502	1,190
5	1,990	438	957	2,430	791	1,440	451	254	329	18,000	859	7,460
6	19,900	1,990	13,800	1,320	853	1,090	634	251	345	24,700	2,350	11,400
7	13,200	5,090	7,270	3,690	323	1,390	1,480	295	670	25,500	8,550	17,000
8	14,700	1,550	5,520	2,270	309	857	1,680	292	732	23,000	5,380	13,800
9	29,300	14,700	20,900	1,420	456	858	1,050	415	797	22,800	14,900	19,600
10	29,300	7,230	13,200	2,600	295	976	1,220	819	1,010	20,600	13,700	17,500
11	19,800	8,610	12,400	1,670	279	888	1,280	302	768	16,800	6,210	9,650
12	17,400	7,580	11,600	722	278	442	979	299	658	6,840	5,220	6,200
13	11,700	6,500	8,760	1,130	277	645	881	284	643	8,050	4,010	6,190
14	14,300	6,520	9,860	903	275	505	881	344	685	4,480	1,100	2,880
15	21,900	8,340	14,400	845	281	490	1,050	674	765	4,420	859	2,970
16	---	---	---	416	275	310	942	247	356	3,840	784	2,220
17	---	---	---	506	274	371	648	436	515	3,190	833	2,320
18	---	---	---	530	284	351	631	264	515	3,580	1,000	3,070
19	---	---	---	304	270	279	2,130	277	716	3,780	581	2,470
20	---	---	---	677	304	482	3,540	398	1,320	3,660	493	2,230
21	27,400	662	9,900	907	557	764	1,550	326	748	3,540	472	2,100
22	27,200	3,630	5,950	1,420	380	926	1,190	282	628	4,410	577	2,410
23	5,720	3,550	4,180	1,340	998	1,110	726	251	457	3,560	500	2,190
24	5,120	609	3,360	1,890	316	963	8,280	345	3,400	2,680	425	1,410
25	5,770	543	3,190	1,660	304	923	7,960	734	1,930	2,060	765	1,760
26	3,170	443	1,270	1,100	274	613	2,040	815	1,100	2,060	1,020	1,600
27	2,950	555	1,970	1,310	274	434	3,750	892	1,730	1,420	384	905
28	3,470	449	2,170	572	298	438	2,060	389	874	1,440	375	716
29	---	---	---	1,150	295	672	4,690	391	1,680	1,370	522	987
30	---	---	---	1,460	1,110	1,250	5,290	3,180	4,180	1,520	454	1,130
31	---	---	---	2,020	1,290	1,550	---	---	---	1,120	756	964
MONTH	---	---	---	3,690	270	841	8,280	242	1,020	25,500	375	4,920

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1,390	935	1,260	19,900	6,880	11,600	612	511	563	24,700	12,000	21,300
2	1,190	369	754	8,300	2,040	5,130	715	480	574	24,300	10,600	18,500
3	930	374	697	4,960	3,330	4,000	688	553	631	18,400	10,000	14,800
4	1,080	351	726	3,500	1,980	2,660	700	443	585	15,100	9,970	11,800
5	952	344	585	2,600	1,640	2,120	770	460	545	13,000	6,050	9,060
6	658	348	406	2,340	569	1,710	656	388	561	10,800	3,260	7,090
7	1,020	428	675	1,690	484	1,020	707	480	617	8,230	3,820	6,100
8	980	714	867	1,570	443	943	766	329	564	7,000	4,110	5,770
9	1,510	978	1,120	1,730	578	1,230	959	365	573	9,020	4,890	6,470
10	1,340	608	1,070	2,010	465	1,310	713	401	553	7,050	5,480	6,400
11	797	381	627	1,660	307	899	684	417	566	7,030	4,160	5,610
12	739	358	565	1,620	275	766	665	360	528	14,100	3,050	6,510
13	800	461	702	1,230	269	730	621	353	510	17,500	6,640	12,100
14	779	371	603	11,700	267	3,040	602	313	467	6,970	4,910	5,730
15	836	363	608	11,600	5,290	7,430	2,870	331	609	6,970	869	2,720
16	948	372	620	6,480	2,980	4,560	6,130	1,350	3,870	3,840	497	1,360
17	1,330	384	678	4,990	2,570	3,290	6,130	3,260	4,610	2,510	489	1,400
18	1,130	394	717	2,570	1,480	1,860	3,290	1,200	2,020	2,440	1,460	2,050
19	949	484	831	1,740	833	1,170	2,330	455	1,080	2,700	1,880	2,260
20	952	783	834	1,150	831	936	1,760	909	1,240	2,880	849	1,960
21	1,030	761	880	1,100	698	892	1,600	391	920	2,710	560	1,580
22	1,110	536	810	789	436	681	1,610	404	782	2,520	1,240	2,070
23	1,470	862	1,030	763	537	644	2,460	404	975	2,730	630	1,800
24	1,550	525	1,000	807	594	678	7,790	667	3,140	2,460	565	1,470
25	1,500	371	888	918	295	610	11,400	1,070	5,200	3,530	871	1,770
26	1,260	329	726	1,050	285	574	10,800	3,320	7,030	18,200	3,530	11,000
27	1,030	317	739	1,000	296	567	8,180	3,000	5,700	20,500	9,610	15,200
28	1,020	317	608	851	287	574	6,550	3,370	5,040	17,000	8,180	12,100
29	668	299	443	746	322	578	6,890	2,940	4,750	11,000	3,720	6,580
30	22,000	349	9,880	636	319	566	24,600	6,890	19,400	4,530	1,010	2,780
31	---	---	---	615	335	561	25,200	22,100	24,600	---	---	---
MONTH	22,000	299	1,060	19,900	267	2,040	25,200	313	3,190	24,700	489	6,840

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3.4	0.4	1.6	2.0	0.6	0.8	---	---	---	1.2	0.3	0.8
2	3.0	0.4	1.4	1.8	0.4	0.9	---	---	---	0.9	---	---
3	16.8	1.7	7.8	10.7	1.8	5.4	---	---	---	---	---	---
4	8.0	6.5	7.0	12.2	4.2	6.9	4.5	0.9	2.0	---	---	---
5	6.6	5.8	6.2	7.2	3.2	4.8	2.8	0.8	1.5	---	---	---
6	6.4	5.7	6.1	3.2	2.5	2.8	1.4	0.3	0.8	---	---	---
7	6.3	4.8	5.7	4.0	2.4	2.9	1.0	0.3	0.6	---	---	---
8	6.2	3.7	5.3	2.6	0.3	1.6	1.0	0.2	0.6	---	---	---
9	3.8	2.2	2.6	2.6	0.3	1.3	1.1	0.2	0.4	0.8	0.7	0.8
10	2.8	1.4	1.8	1.7	0.3	1.0	3.6	0.3	1.4	0.8	0.2	0.6
11	3.1	2.0	2.5	1.6	0.4	1.1	3.6	0.7	1.8	0.8	0.1	0.5
12	3.3	1.1	2.4	1.9	1.2	1.5	3.8	1.5	3.1	0.3	0.1	0.2
13	3.2	1.9	2.7	2.2	0.6	1.5	4.2	1.1	2.3	3.8	0.1	0.5
14	3.7	1.3	2.2	1.0	0.2	0.4	1.5	0.7	1.2	4.3	0.4	1.4
15	2.4	0.7	1.5	0.6	0.2	0.4	1.4	0.3	1.0	1.0	0.2	0.7
16	2.5	1.2	2.0	1.4	0.6	1.1	1.2	0.3	0.8	0.6	0.2	0.4
17	2.2	0.8	1.5	1.7	0.6	1.5	1.0	0.3	0.7	0.8	0.4	0.5
18	2.2	0.8	1.6	1.6	0.4	1.1	3.4	0.3	1.1	0.6	0.1	0.3
19	3.8	1.1	2.6	1.4	0.3	1.0	7.6	1.1	3.3	0.5	0.2	0.4
20	3.1	2.1	2.4	1.2	0.2	0.7	3.1	0.7	1.2	0.4	0.2	0.3
21	3.0	0.8	2.3	0.9	0.3	0.6	1.5	0.3	0.9	0.4	0.2	0.3
22	1.6	0.6	1.0	---	---	---	0.9	0.3	0.7	0.5	0.2	0.4
23	2.0	0.6	1.1	---	---	---	1.1	0.2	0.4	0.6	0.4	0.5
24	2.0	1.4	1.7	---	---	---	11.3	0.3	2.9	1.0	0.2	0.4
25	2.3	0.9	1.5	---	---	---	1.0	0.7	0.8	1.0	0.3	0.5
26	2.1	1.3	1.7	---	---	---	1.7	0.9	1.3	6.5	0.5	1.3
27	2.0	0.9	1.4	---	---	---	1.7	0.5	1.2	7.4	0.8	3.0
28	1.8	0.8	1.4	---	---	---	1.6	0.2	1.3	7.6	1.4	3.8
29	2.0	0.7	1.2	---	---	---	1.3	0.2	0.7	6.9	1.3	3.5
30	1.6	0.5	1.1	---	---	---	0.9	0.2	0.5	6.4	1.1	3.0
31	1.7	0.8	1.2	---	---	---	3.7	0.2	1.6	5.1	1.2	2.5
MONTH	16.8	0.4	2.7	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	1.9	0.8	1.3	1.6	0.2	0.8	0.8	0.3	0.6	2.5	1.6	1.9
2	1.0	0.4	0.7	1.5	0.2	0.7	0.6	0.3	0.4	2.0	0.8	1.5
3	1.0	0.4	0.7	0.8	0.2	0.3	0.6	0.1	0.2	1.5	0.3	0.9
4	1.2	0.6	0.8	1.0	0.2	0.7	0.2	0.1	0.1	1.0	0.2	0.6
5	1.0	0.2	0.5	1.2	0.4	0.7	0.2	0.1	0.2	10.6	0.4	4.3
6	11.8	1.0	8.0	0.7	0.4	0.5	0.3	0.1	0.2	15.0	1.2	6.7
7	7.6	2.7	4.0	1.9	0.2	0.7	0.7	0.1	0.3	15.5	4.8	10.0
8	8.6	0.8	3.0	1.2	0.2	0.4	0.8	0.1	0.4	13.9	2.9	8.1
9	18.1	8.6	12.5	0.7	0.2	0.4	0.5	0.2	0.4	13.7	8.7	11.7
10	18.1	4.0	7.7	1.3	0.1	0.5	0.6	0.4	0.5	12.3	7.9	10.3
11	11.8	4.8	7.1	0.8	0.1	0.4	0.6	0.2	0.4	9.9	3.4	5.5
12	10.2	4.2	6.6	0.4	0.1	0.2	0.5	0.2	0.3	3.7	2.8	3.4
13	6.6	3.5	4.9	0.6	0.1	0.3	0.4	0.1	0.3	4.5	2.1	3.4
14	8.3	3.6	5.6	0.4	0.1	0.3	0.4	0.2	0.3	2.4	0.5	1.5
15	12.7	4.5	---	0.4	0.1	0.2	0.5	0.3	0.4	2.4	0.4	1.6
16	---	---	---	0.2	0.1	0.2	0.5	0.1	0.2	2.0	0.4	1.1
17	---	---	---	0.2	0.1	0.2	0.3	0.2	0.3	1.7	0.4	1.2
18	---	---	---	0.3	0.1	0.2	0.3	0.1	0.3	1.9	0.5	1.6
19	---	---	---	0.2	0.1	0.1	1.1	0.1	0.4	2.0	0.3	1.3
20	---	0.2	---	0.3	0.2	0.2	1.9	0.2	0.7	1.9	0.2	1.2
21	16.8	0.3	5.8	0.4	0.3	0.4	0.8	0.2	0.4	1.9	0.2	1.1
22	16.6	1.9	3.3	0.7	0.2	0.5	0.6	0.1	0.3	2.3	0.3	1.2
23	3.1	1.9	2.2	0.7	0.5	0.5	0.4	0.1	0.2	1.9	0.2	1.1
24	2.7	0.3	---	1.0	0.2	0.5	4.6	0.2	1.8	1.4	0.2	0.7
25	3.1	0.3	1.7	0.8	0.2	0.5	4.4	0.4	1.0	1.0	0.4	0.9
26	1.6	0.2	0.6	0.5	0.1	0.3	1.0	0.4	0.5	1.0	0.5	0.8
27	1.5	0.3	1.0	0.7	0.1	0.2	2.0	0.4	0.9	0.7	0.2	0.4
28	1.8	0.2	1.1	0.3	0.2	0.2	1.0	0.2	0.4	0.7	0.2	0.4
29	---	---	---	0.6	0.1	0.3	2.5	0.2	0.9	0.7	0.3	0.5
30	---	---	---	0.7	0.5	0.6	2.8	1.7	2.2	0.8	0.2	0.6
31	---	---	---	1.0	0.6	0.8	---	---	---	0.6	0.4	0.5
MONTH	---	---	---	1.9	0.1	0.4	4.6	0.1	0.5	15.5	0.2	2.8

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.7	0.5	0.6	11.8	3.8	6.6	0.3	0.3	0.3	15.0	6.8	12.8
2	0.6	0.2	0.4	4.6	1.0	2.8	0.4	0.2	0.3	14.7	6.0	11.0
3	0.5	0.2	0.3	2.7	1.7	2.1	0.3	0.3	0.3	10.9	5.6	8.6
4	0.5	0.2	0.4	1.8	1.0	1.4	0.3	0.2	0.3	8.8	5.6	6.7
5	0.5	0.2	0.3	1.3	0.8	1.1	0.4	0.2	0.3	7.5	3.3	5.1
6	0.3	0.2	0.2	1.2	0.3	0.9	0.3	0.2	0.3	6.1	1.7	3.9
7	0.5	0.2	0.3	0.9	0.2	0.5	0.3	0.2	0.3	4.6	2.0	3.3
8	0.5	0.4	0.4	0.8	0.2	0.5	0.4	0.2	0.3	3.8	2.2	3.1
9	0.8	0.5	0.5	0.9	0.3	0.6	0.5	0.2	0.3	5.0	2.6	3.5
10	0.7	0.3	0.5	1.0	0.2	0.7	0.4	0.2	0.3	3.9	2.9	3.5
11	0.4	0.2	0.3	0.8	0.2	0.4	0.3	0.2	0.3	3.9	2.2	3.0
12	0.4	0.2	0.3	0.8	0.1	0.4	0.3	0.2	0.3	8.1	1.6	3.6
13	0.4	0.2	0.3	0.6	0.1	0.4	0.3	0.2	0.3	10.3	3.6	7.0
14	0.4	0.2	0.3	6.6	0.1	1.7	0.3	0.2	0.2	3.8	2.6	3.1
15	0.4	0.2	0.3	6.6	2.8	4.1	1.5	0.2	0.3	3.8	0.4	1.4
16	0.5	0.2	0.3	3.5	1.5	2.4	3.3	0.7	2.1	2.0	0.2	0.7
17	0.7	0.2	0.3	2.7	1.3	1.7	3.3	1.7	2.5	1.3	0.2	0.7
18	0.6	0.2	0.4	1.3	0.7	0.9	1.7	0.6	1.0	1.3	0.7	1.0
19	0.5	0.2	0.4	0.9	0.4	0.6	1.2	0.2	0.5	1.4	1.0	1.2
20	0.5	0.4	0.4	0.6	0.4	0.5	0.9	0.4	0.6	1.5	0.4	1.0
21	0.5	0.4	0.4	0.5	0.3	0.4	0.8	0.2	0.5	1.4	0.3	0.8
22	0.5	0.3	0.4	0.4	0.2	0.3	0.8	0.2	0.4	1.3	0.6	1.1
23	0.7	0.4	0.5	0.4	0.3	0.3	1.3	0.2	0.5	1.4	0.3	0.9
24	0.8	0.3	0.5	0.4	0.3	0.3	4.3	0.3	1.7	1.3	0.3	0.7
25	0.8	0.2	0.4	0.5	0.1	0.3	6.5	0.5	2.8	1.8	0.4	0.9
26	0.6	0.2	0.4	0.5	0.1	0.3	6.1	1.7	3.9	10.7	1.8	6.3
27	0.5	0.2	0.4	0.5	0.1	0.3	4.5	1.6	3.1	12.2	5.4	8.8
28	0.5	0.2	0.3	0.4	0.1	0.3	3.6	1.8	2.7	10.0	4.5	6.9
29	0.3	0.2	0.2	0.4	0.2	0.3	3.8	1.5	2.5	6.2	2.0	3.6
30	13.2	0.2	5.8	0.3	0.2	0.3	14.9	3.8	11.6	2.4	0.5	1.4
31	---	---	---	0.3	0.2	0.3	15.3	13.3	14.9	---	---	---
MONTH	13.2	0.2	0.6	11.8	0.1	1.1	15.3	0.2	1.8	15.0	0.2	3.9

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.6	26.6	27.7	22.6	21.5	22.1	---	---	---	15.2	12.7	13.8
2	28.2	26.8	27.5	21.9	20.1	21.0	---	---	---	14.7	13.5	14.0
3	27.3	25.5	26.2	21.0	19.8	20.5	---	---	---	---	---	---
4	28.3	25.6	26.8	21.6	19.6	20.8	18.0	15.0	16.4	---	---	---
5	28.6	27.5	27.9	21.7	20.9	21.3	17.0	13.2	14.9	---	---	---
6	28.5	27.2	27.7	20.9	19.0	19.6	13.6	11.7	12.6	---	---	---
7	29.1	27.5	28.2	19.0	17.5	18.3	13.4	12.2	12.8	---	---	---
8	28.8	27.4	28.1	19.7	18.9	19.3	13.2	12.1	12.6	---	---	---
9	28.0	26.8	27.4	21.2	19.4	20.2	13.3	12.3	12.9	14.0	12.1	12.9
10	27.4	26.4	26.9	23.2	20.0	21.7	13.1	11.9	12.4	15.8	13.4	14.6
11	28.1	26.1	27.1	23.2	21.4	22.4	13.0	11.9	12.5	14.6	12.0	13.0
12	27.4	26.3	26.7	22.5	19.5	21.6	12.8	12.1	12.3	12.0	10.6	11.2
13	26.5	24.8	25.7	19.5	17.2	18.4	13.2	12.1	12.6	11.4	10.2	10.7
14	24.9	23.1	24.0	20.0	18.6	19.4	12.3	11.2	11.8	10.9	9.2	10.2
15	24.3	22.5	23.6	20.7	19.4	19.9	12.6	10.9	11.8	10.9	9.5	10.4
16	23.9	21.3	22.4	19.8	15.5	17.4	13.6	11.3	12.5	12.2	10.6	11.2
17	24.3	21.9	22.8	16.4	13.8	14.7	15.2	12.7	13.6	11.4	8.1	9.2
18	23.5	21.9	22.6	16.8	14.1	15.5	17.1	13.6	15.1	9.4	8.6	9.0
19	25.0	22.9	23.6	17.3	15.5	16.7	18.4	15.5	17.0	10.3	8.1	9.3
20	24.7	23.6	24.1	17.7	16.9	17.2	17.5	16.0	16.5	12.3	9.0	10.6
21	25.1	23.6	24.2	18.1	16.6	17.3	16.0	14.7	15.4	14.0	10.5	12.5
22	24.6	23.5	23.9	17.6	16.3	16.9	17.8	15.5	16.5	15.0	12.0	14.0
23	24.6	23.5	24.0	---	---	---	17.6	15.9	16.5	14.6	9.6	11.2
24	25.2	23.7	24.3	---	---	---	18.3	15.5	17.3	10.1	7.9	9.1
25	24.6	23.9	24.2	---	---	---	15.5	12.6	13.5	9.4	7.8	8.8
26	24.4	23.9	24.2	---	---	---	13.0	11.6	12.3	9.4	8.1	8.8
27	25.2	23.7	24.4	---	---	---	12.0	11.3	11.8	9.9	8.3	9.0
28	26.3	24.4	25.3	---	---	---	12.6	10.7	11.7	10.6	8.8	9.7
29	26.1	24.2	24.8	---	---	---	13.5	11.9	12.8	13.2	10.0	11.7
30	25.2	23.9	24.4	---	---	---	14.5	13.2	13.8	14.2	11.5	13.0
31	24.4	22.5	23.2	---	---	---	16.0	14.0	15.1	14.4	11.7	13.1
MONTH	29.1	21.3	25.3	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	14.8	12.8	13.9	16.0	14.7	15.5	19.3	16.0	17.3	27.3	25.4	26.1
2	15.9	12.3	14.0	16.9	14.4	15.5	20.0	18.3	18.7	28.3	26.8	27.4
3	16.9	13.3	15.0	15.8	13.4	14.3	19.5	18.4	19.0	29.0	27.4	28.1
4	16.8	14.6	15.7	15.4	13.1	14.3	21.1	19.3	20.2	28.9	27.4	28.1
5	16.1	12.8	13.5	16.0	14.3	15.0	22.9	21.1	21.7	28.6	26.9	27.7
6	14.6	13.2	14.0	17.6	15.3	16.7	23.7	21.8	22.6	28.3	26.9	27.6
7	14.6	11.4	12.7	17.9	14.3	16.3	24.3	22.7	23.3	28.2	26.9	27.6
8	12.3	10.6	11.5	16.0	14.2	14.8	23.0	21.1	22.1	28.6	27.0	27.8
9	11.9	10.7	11.3	18.0	14.9	16.4	21.1	14.9	17.9	29.0	26.9	28.0
10	14.4	11.1	12.6	19.4	15.9	17.5	17.1	12.5	14.6	29.4	27.8	28.4
11	13.9	11.9	12.8	19.5	15.9	17.3	17.9	14.7	16.2	29.4	27.2	28.4
12	15.4	12.4	13.6	18.8	15.9	17.0	19.7	16.4	17.9	29.2	28.1	28.6
13	15.2	13.8	14.3	21.2	17.1	18.7	22.0	18.1	19.9	29.3	27.3	28.1
14	16.8	14.0	15.2	21.6	17.1	18.6	24.3	19.5	21.8	29.1	27.4	28.2
15	18.1	15.5	16.7	21.6	17.2	18.6	24.9	22.6	23.5	29.1	27.9	28.5
16	---	---	---	18.8	17.5	17.9	24.8	20.9	22.2	29.1	28.0	28.6
17	---	---	---	20.5	17.5	18.7	25.7	22.9	24.1	29.1	28.0	28.5
18	---	---	---	20.2	17.7	18.8	25.9	24.2	25.0	29.2	27.4	28.3
19	---	---	---	19.7	17.6	18.6	25.5	24.1	24.9	29.1	27.9	28.4
20	16.2	14.9	15.5	21.1	19.2	20.3	25.4	23.7	24.5	29.6	27.7	28.3
21	18.5	14.8	16.2	20.5	18.9	19.7	25.5	24.7	25.0	29.5	27.5	28.1
22	19.0	15.6	17.6	20.5	18.9	19.6	25.6	24.6	25.0	28.0	27.0	27.5
23	16.4	14.5	15.4	21.4	19.6	20.5	24.8	23.5	24.2	28.1	25.6	26.8
24	17.3	15.2	15.8	22.2	20.3	20.9	25.0	23.7	24.3	28.2	26.3	27.3
25	17.0	14.0	16.0	21.7	20.7	21.1	26.0	23.9	24.9	28.8	27.1	27.8
26	15.3	14.0	14.7	21.3	20.6	20.9	25.7	24.0	25.0	29.7	27.6	28.6
27	16.4	14.8	15.5	21.9	19.7	20.9	26.3	24.4	25.1	29.2	27.2	28.1
28	15.6	14.9	15.2	23.6	20.9	21.9	26.6	24.3	25.2	27.8	26.0	27.0
29	---	---	---	22.2	16.8	20.0	25.3	24.1	24.8	28.5	26.8	27.4
30	---	---	---	16.9	14.6	15.8	26.8	24.1	25.4	28.6	26.8	27.6
31	---	---	---	17.8	14.8	16.1	---	---	---	29.5	26.6	27.7
MONTH	---	---	---	23.6	13.1	18.0	26.8	12.5	22.2	29.7	25.4	27.9

292440090465600 FALGOUT CANAL NEAR HWY. 315 NEAR THERIOT, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.6	26.9	28.0	28.3	25.2	26.4	30.1	29.3	29.7	31.2	28.5	29.6
2	28.5	27.5	27.9	28.4	27.4	27.8	30.2	28.9	29.5	32.8	29.2	30.9
3	28.2	27.3	27.7	28.8	27.8	28.1	30.9	29.0	29.9	33.2	30.3	31.7
4	28.9	27.0	27.7	28.4	27.7	28.0	32.2	30.1	31.1	33.0	30.7	31.9
5	27.6	26.9	27.2	28.9	27.2	28.0	33.0	31.0	32.0	31.9	30.2	31.0
6	27.3	26.5	26.9	28.6	27.6	28.0	32.7	31.4	32.1	31.2	28.8	30.1
7	30.1	26.7	27.9	29.2	27.8	28.4	31.6	30.4	31.0	31.3	29.3	30.2
8	31.6	28.7	29.7	29.3	28.3	28.8	32.4	30.0	31.2	31.6	30.1	30.6
9	32.5	30.1	31.0	31.2	28.6	29.8	32.4	30.6	31.4	30.8	29.4	30.0
10	32.1	30.8	31.3	31.4	29.6	30.6	32.6	30.7	31.6	30.7	28.7	29.6
11	30.8	28.9	30.1	31.4	30.1	30.6	31.9	30.6	31.2	30.1	29.1	29.5
12	30.2	29.0	29.6	31.4	30.0	30.7	30.6	29.5	30.1	29.2	28.4	28.9
13	30.4	28.6	29.5	30.9	29.8	30.3	30.4	28.5	29.3	29.1	27.6	28.4
14	30.6	29.1	29.9	29.8	28.1	29.1	31.1	27.7	29.4	29.9	27.8	28.7
15	30.9	29.5	30.0	29.7	27.5	28.8	30.7	28.6	29.7	30.3	28.5	29.3
16	30.3	29.0	29.6	31.4	29.1	30.1	31.3	29.3	30.1	29.6	28.2	28.9
17	29.5	28.6	29.1	30.7	28.7	30.1	30.9	29.7	30.1	30.0	28.4	29.1
18	30.5	28.2	29.2	29.8	27.5	28.5	31.2	29.2	30.1	30.6	28.4	29.3
19	30.6	29.2	29.7	30.3	28.8	29.6	32.0	29.6	30.7	30.4	28.8	29.7
20	29.6	28.8	29.1	30.8	29.6	30.1	32.1	30.2	31.1	29.6	28.0	29.0
21	29.0	27.8	28.3	30.7	28.8	29.7	31.5	29.6	30.4	28.4	27.3	28.1
22	30.8	27.4	28.5	30.9	29.9	30.4	30.6	29.5	30.1	27.9	26.7	27.3
23	32.0	28.6	30.1	30.5	28.8	29.8	31.4	29.7	30.3	28.7	26.1	27.2
24	31.8	30.4	31.0	29.6	28.3	28.9	31.3	29.7	30.5	28.6	27.0	27.7
25	31.4	28.2	30.6	30.5	28.7	29.7	30.8	29.5	30.2	28.7	27.2	27.8
26	31.2	30.0	30.6	30.9	29.9	30.3	31.6	29.1	30.2	29.0	27.2	28.0
27	30.8	29.6	30.1	31.5	30.0	30.3	31.8	30.2	30.9	29.9	27.6	28.6
28	31.1	29.1	30.1	30.9	29.7	30.1	31.8	30.4	31.1	28.6	27.4	28.0
29	30.4	29.1	29.7	31.4	29.1	30.1	31.1	30.3	30.7	27.5	23.8	25.6
30	29.1	26.2	27.8	31.4	29.3	30.2	30.6	29.0	29.6	25.3	24.0	24.6
31	---	---	---	30.8	29.9	30.3	29.5	28.5	29.0	---	---	---
MONTH	32.5	26.2	29.3	31.5	25.2	29.4	33.0	27.7	30.5	33.2	23.8	29.0

292505091044900 CANAL BANK BREAK SOUTH OF MORGAN CITY, LA

LOCATION.--Lat 29°25'05", long 91°04'49", T. 19 S., R. 13. E., Terrebonne Parish, Hydrologic Unit 08090302, mounted to U-bound steel piles, 35 miles south of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 2003 to September 2003.

GAGE.--Water-stage recorder and Accoustic Doppler flowmeter. Datum of gage is assumed.

REMARKS.--Stage affected by wind, tide, and heavy boat traffic. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.82 ft, June 30, 2003; minimum gage height, 3.34 ft, Feb. 8, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 5.82 ft, June 30; minimum recorded gage height, 3.34 ft, Feb. 8.

GAGE HEIGHT, FEET
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										4.43	4.01	4.25
22										4.37	3.98	4.21
23										4.11	3.45	3.68
24										3.97	3.37	3.61
25										3.99	3.58	3.79
26										4.17	3.47	3.82
27										4.34	3.54	3.93
28										4.39	3.77	4.13
29										4.42	3.75	4.13
30										4.45	3.75	4.14
31										4.51	3.82	4.20
MONTH										---	---	---

292505091044900 CANAL BANK BREAK SOUTH OF MORGAN CITY, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4.34	3.63	4.03	4.77	4.47	4.65	4.60	4.42	4.51	5.07	4.67	4.93
2	4.35	3.73	4.08	4.80	4.48	4.64	4.54	4.36	4.46	5.07	4.63	4.87
3	4.45	3.94	4.24	4.91	4.44	4.68	4.69	4.35	4.58	5.05	4.61	4.83
4	4.47	3.77	4.13	5.03	4.71	4.92	4.95	4.51	4.78	5.11	4.44	4.86
5	4.12	3.59	3.88	5.09	4.90	4.97	4.93	4.63	4.81	5.51	4.96	5.25
6	4.33	3.98	4.18	5.05	4.85	4.98	5.18	4.60	4.91	5.56	5.25	5.42
7	4.16	3.49	3.74	4.93	4.81	4.87	5.34	4.85	5.09	5.55	5.29	5.42
8	4.14	3.34	3.70	5.04	4.77	4.93	5.21	4.91	5.09	5.43	5.17	5.33
9	4.63	3.79	4.17	4.99	4.87	4.94	5.01	4.48	4.71	5.41	5.17	5.30
10	4.64	4.00	4.20	5.04	4.75	4.90	4.74	4.21	4.45	5.51	5.17	5.33
11	4.47	3.56	3.99	5.06	4.77	4.93	4.75	4.19	4.48	5.50	5.16	5.36
12	4.46	3.85	4.14	5.09	4.84	4.99	4.67	4.23	4.46	5.16	4.61	4.88
13	4.42	3.63	4.00	5.07	4.83	4.96	4.62	4.24	4.44	4.86	4.60	4.72
14	4.61	3.78	4.18	5.05	4.86	4.99	4.55	4.24	4.41	5.04	4.61	4.90
15	4.71	4.15	4.49	5.13	4.86	5.01	4.49	4.20	4.36	5.16	4.67	4.97
16	4.75	4.19	4.44	5.35	5.07	5.18	4.90	4.29	4.70	5.14	4.58	4.95
17	4.24	3.72	4.04	5.38	5.24	5.32	4.93	4.58	4.81	5.36	4.81	5.13
18	4.34	3.86	4.14	5.44	5.31	5.38	4.80	4.48	4.67	5.09	4.79	4.97
19	4.50	4.06	4.26	5.49	5.38	5.45	4.93	4.35	4.73	5.00	4.54	4.82
20	4.34	4.05	4.19	5.43	5.35	5.40	5.02	4.49	4.79	4.96	4.51	4.77
21	4.98	4.12	4.56	5.35	5.09	5.22	4.91	4.44	4.70	4.90	4.52	4.73
22	5.18	4.80	5.06	5.14	4.98	5.07	4.95	4.34	4.67	4.78	4.40	4.63
23	4.88	4.40	4.68	5.07	4.89	4.96	4.95	4.42	4.68	4.82	4.38	4.61
24	4.77	4.40	4.62	5.00	4.70	4.87	5.23	4.67	4.93	4.90	4.47	4.67
25	4.70	4.26	4.50	5.02	4.70	4.88	5.34	4.99	5.16	4.88	4.64	4.73
26	---	---	---	5.04	4.72	4.90	4.99	4.58	4.81	4.90	4.63	4.82
27	---	---	---	5.23	4.76	5.00	4.90	4.48	4.68	4.77	4.47	4.67
28	4.81	4.39	4.61	5.24	5.02	5.15	4.87	4.61	4.75	4.84	4.45	4.67
29	---	---	---	5.21	4.58	4.88	4.90	4.59	4.76	4.87	4.56	4.74
30	---	---	---	4.63	4.35	4.52	5.01	4.64	4.88	4.92	4.52	4.76
31	---	---	---	4.61	4.31	4.43	---	---	---	5.03	4.55	4.86
MONTH	---	---	---	5.49	4.31	4.97	5.34	4.19	4.71	5.56	4.38	4.93
	JUNE			JULY			AUGUST			SEPTEMBER		
1	4.96	4.58	4.77	5.71	5.47	5.55	---	---	---	5.47	5.21	5.35
2	5.08	4.51	4.89	5.47	5.34	5.43	---	---	---	5.44	5.04	5.27
3	5.25	4.84	5.08	5.46	5.28	5.39	---	---	---	5.32	4.85	5.15
4	5.15	4.94	5.06	5.38	5.23	5.31	---	---	---	5.24	4.63	5.03
5	5.19	4.90	5.06	5.29	5.16	5.24	---	---	---	5.19	4.58	4.96
6	5.52	5.16	5.35	5.27	5.03	5.16	---	---	---	5.15	4.56	4.91
7	5.40	5.18	5.28	5.26	5.12	5.17	5.04	4.37	4.79	5.20	4.58	4.98
8	5.18	5.00	5.08	5.21	4.95	5.14	---	---	---	5.24	4.70	5.06
9	5.10	4.92	5.00	5.27	4.91	5.13	---	---	---	5.33	4.80	5.15
10	5.20	4.93	5.08	5.29	4.80	5.12	---	---	---	5.21	4.94	5.08
11	5.34	4.95	5.19	5.24	4.78	5.08	---	---	---	5.21	4.83	5.03
12	5.43	5.04	5.28	5.21	4.72	5.02	---	---	---	5.39	4.97	5.23
13	5.45	5.10	5.31	5.33	4.74	5.13	---	---	---	5.48	5.28	5.37
14	5.36	5.17	5.27	5.55	4.86	5.26	---	---	---	5.28	4.95	5.14
15	5.37	5.05	5.24	5.61	5.24	5.45	---	---	---	5.24	4.83	5.05
16	5.29	5.04	5.19	5.45	5.18	5.31	---	---	---	5.22	4.83	5.05
17	5.20	4.90	5.09	5.30	4.94	5.14	---	---	---	5.32	4.97	5.19
18	5.18	4.89	5.07	5.16	4.87	5.00	---	---	---	5.38	4.99	5.22
19	5.20	4.92	5.08	4.98	4.73	4.85	---	---	---	5.45	4.95	5.25
20	5.28	4.93	5.11	4.78	4.50	4.65	4.65	4.06	4.39	5.36	4.78	5.14
21	5.25	5.03	5.15	4.69	4.43	4.60	4.59	3.91	4.27	5.53	4.83	5.34
22	5.12	4.94	5.05	4.85	4.39	4.69	4.61	3.97	4.37	5.62	5.12	5.43
23	5.03	4.83	4.96	4.98	4.40	4.79	4.80	4.13	4.57	5.34	5.01	5.22
24	5.15	4.32	5.01	4.84	4.37	4.68	4.82	4.25	4.64	5.52	4.98	5.34
25	5.21	4.87	5.08	4.76	4.28	4.60	4.87	4.31	4.68	5.50	5.22	5.35
26	5.24	4.89	5.11	4.89	4.27	4.63	4.93	4.40	4.75	---	---	---
27	5.32	4.95	5.20	4.87	4.25	4.59	5.03	4.48	4.83	---	---	---
28	5.30	4.97	5.18	4.92	4.24	4.67	4.95	4.57	4.81	---	---	---
29	5.43	4.97	5.26	4.99	4.34	4.76	4.90	4.58	4.77	---	---	---
30	5.82	5.26	5.58	4.97	4.45	4.74	5.35	4.74	5.08	---	---	---
31	---	---	---	4.94	4.32	4.66	5.39	5.25	5.31	---	---	---
MONTH	5.82	4.32	5.14	5.71	4.24	5.00	---	---	---	---	---	---

292505091044900 CANAL BANK BREAK SOUTH OF MORGAN CITY, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2003 to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2003 to September 2003

SALINITY: January 2003 to September 2003.

WATER TEMPERATURE: January 2003 to September 2003.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Jan. 26-Feb. 4, and Mar. 9-23 when records good; Feb. 5-12 when records fair; Feb. 13-27, Mar. 24-May 3.

SALINITY: Records excellent except for Jan. 26-Feb. 4, and Mar. 9-23 when records good; Feb. 5-12 when records fair; Feb. 13-27, Mar. 24-May 3.

WATER TEMPERATURE: Records good except for Mar. 24-May 3 when records fair; and May 4-Sept. 30 when poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 3,060 microsiemens/cm, Feb. 22, 2003; minimum, 252 microsiemens/cm, Jan. 23, 2003.

SALINITY: Maximum, 1.6 ppt, Feb. 22, 2003; minimum, 0.1 ppt, Jan. 23, 2003.

WATER TEMPERATURE: Maximum, 30.6°C, Aug. 6, 2003; minimum, 6.9°C, Jan. 24, 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 3,060 microsiemens/cm, Feb. 22; minimum, 252 microsiemens/cm, Jan. 23.

SALINITY: Maximum, 1.6 ppt, Feb. 22; minimum, 0.1 ppt, Jan. 23.

WATER TEMPERATURE: Maximum, 30.6°C, Aug. 6; minimum, 6.9°C, Jan. 24, 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										347	329	337
22										423	346	370
23										491	252	396
24										465	378	425
25										479	419	445
26										474	457	466
27										459	431	442
28										472	399	427
29										614	404	507
30										623	535	561
31										643	554	575
MONTH										---	---	---

292505091044900 CANAL BANK BREAK SOUTH OF MORGAN CITY, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

[illegible]

292505091044900 CANAL BANK BREAK SOUTH OF MORGAN CITY, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										0.2	0.2	0.2
22										0.2	0.2	0.2
23										0.2	0.1	0.2
24										0.2	0.2	0.2
25										0.2	0.2	0.2
26										0.2	0.2	0.2
27										0.2	0.2	0.2
28										0.2	0.2	0.2
29										0.3	0.2	0.2
30										0.3	0.3	0.3
31										0.3	0.3	0.3
MONTH										---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
2	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.3	0.3	0.3
3	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3
4	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.2	0.3	---	---	---
5	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	---	---	---
6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	---	---	---
7	0.6	0.5	0.5	0.3	0.2	0.2	0.3	0.3	0.3	---	---	---
8	0.5	0.5	0.5	0.2	0.2	0.2	0.3	0.2	0.3	---	---	---
9	0.5	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---
10	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	---	---	---
11	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---
12	0.4	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.2	---	---	---
13	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	---	---	---
14	0.4	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.2	---	---	---
15	0.9	0.3	0.6	0.3	0.2	0.3	0.2	0.2	0.2	---	---	---
16	0.8	0.5	0.7	0.3	0.3	0.3	0.2	0.2	0.2	---	---	---
17	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	---	---	---
18	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	---	---	---
19	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	---	---	---
20	0.4	0.4	0.4	0.3	0.2	0.3	0.3	0.2	0.2	---	---	---
21	1.2	0.4	0.6	0.3	0.2	0.2	0.3	0.3	0.3	---	---	---
22	1.6	0.9	1.1	0.2	0.2	0.2	0.3	0.3	0.3	---	---	---
23	0.9	0.8	0.9	0.2	0.2	0.2	0.3	0.3	0.3	---	---	---
24	0.8	0.5	0.6	0.2	0.2	0.2	0.3	0.3	0.3	---	---	---
25	0.5	0.4	0.5	0.2	0.2	0.2	0.3	0.3	0.3	---	---	---
26	---	---	---	0.2	0.2	0.2	0.3	0.3	0.3	---	---	---
27	---	0.3	---	0.3	0.2	0.3	0.3	0.3	0.3	---	---	---
28	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	---	---	---
29	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	---	---	---
30	---	---	---	0.3	0.3	0.3	0.3	0.3	0.3	---	---	---
31	---	---	---	0.3	0.3	0.3	---	---	---	---	---	---
MONTH	---	---	---	0.4	0.2	0.3	0.3	0.2	0.3	---	---	---

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

[illegible]

292505091044900 CANAL BANK BREAK SOUTH OF MORGAN CITY, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21										13.7	11.5	12.4
22										13.9	13.1	13.6
23										13.1	8.7	10.4
24										8.7	6.9	7.9
25										8.4	6.9	7.6
26										8.7	8.3	8.5
27										10.7	8.6	9.3
28										11.9	9.9	10.5
29										14.4	11.6	12.6
30										14.4	13.7	14.0
31										14.4	13.7	14.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	14.0	12.7	13.3	14.3	13.8	14.0	19.0	16.8	17.7	26.1	25.3	25.6
2	14.9	13.3	14.0	14.6	13.7	14.1	19.6	18.2	18.9	26.8	25.8	26.1
3	16.4	14.1	15.0	14.6	13.2	13.9	20.3	18.7	19.4	27.5	26.4	26.8
4	16.5	15.2	15.8	13.8	12.8	13.1	21.5	19.7	20.3	27.8	26.9	27.4
5	15.7	13.8	14.3	15.1	13.8	14.2	22.4	21.1	21.5	27.8	26.4	27.0
6	14.2	13.2	13.6	15.6	14.9	15.2	24.2	22.4	23.0	27.5	26.5	27.0
7	14.2	11.0	12.8	16.2	14.9	15.4	24.3	23.6	23.9	27.7	26.7	27.1
8	11.0	10.1	10.4	16.2	15.7	15.9	23.9	20.7	22.3	28.1	27.2	27.6
9	11.6	10.3	10.7	16.7	15.7	15.9	20.7	17.2	18.6	28.4	27.4	27.8
10	13.0	11.6	12.1	17.2	16.3	16.7	17.2	15.4	16.2	28.5	27.4	28.0
11	13.4	11.6	12.4	17.3	17.0	17.2	17.8	16.6	16.9	28.5	27.6	28.0
12	15.4	12.7	13.6	17.2	16.8	17.0	19.3	17.5	18.0	28.4	27.5	27.9
13	15.4	13.7	14.4	17.9	17.2	17.5	20.6	19.1	19.6	27.9	27.4	27.6
14	18.1	14.5	15.8	17.9	16.9	17.4	21.8	20.5	20.9	27.8	27.1	27.4
15	19.2	16.0	17.4	18.4	17.5	17.9	22.6	21.5	21.9	28.0	27.3	27.6
16	19.1	15.6	17.7	18.2	17.8	18.0	23.4	22.2	22.6	28.3	27.6	27.9
17	15.6	12.7	13.5	18.3	17.0	17.5	24.0	23.0	23.3	28.4	27.8	28.1
18	13.9	12.3	13.0	18.7	17.4	18.0	24.5	23.6	23.9	28.4	27.6	27.9
19	15.2	13.2	13.9	18.6	17.3	17.8	24.8	24.1	24.4	28.0	27.4	27.6
20	16.2	14.8	15.2	18.4	17.9	18.1	25.3	24.1	24.6	28.2	27.7	27.9
21	19.7	15.9	17.3	18.6	17.5	18.0	25.4	24.6	25.0	28.2	27.6	27.9
22	19.5	15.5	17.0	19.8	17.7	18.6	25.4	24.4	24.8	28.2	27.2	27.5
23	15.8	14.5	15.2	20.7	18.9	19.7	24.9	23.7	24.1	27.4	26.4	26.9
24	15.8	15.1	15.5	21.2	19.5	20.3	24.2	23.6	23.8	27.2	26.4	26.8
25	15.6	14.9	15.1	21.2	20.1	20.7	24.7	23.5	24.0	27.2	26.6	26.9
26	---	---	---	21.0	19.4	20.2	24.8	23.7	24.3	27.2	26.6	26.9
27	---	---	---	20.7	18.6	19.4	24.7	23.4	24.0	27.3	26.8	27.0
28	14.9	14.0	14.2	22.0	19.8	20.7	25.3	24.1	24.6	27.0	26.2	26.6
29	---	---	---	21.9	16.8	19.4	25.5	24.6	25.0	26.7	26.0	26.3
30	---	---	---	16.8	14.8	15.8	25.6	24.8	25.2	26.4	25.9	26.2
31	---	---	---	17.4	14.9	16.0	---	---	---	26.7	26.1	26.4
MONTH	---	---	---	22.0	12.8	17.2	25.6	15.4	22.1	28.5	25.3	27.2

292505091044900 CANAL BANK BREAK SOUTH OF MORGAN CITY, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR JANUARY 2003 TO SEPTEMBER 2003

[illegible]

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA

LOCATION.--Lat 29°28'00", long 90°06'00", T. 19 S., R. 22 E., Jefferson Parish, Hydrologic Unit 08090301, located on a 4 ft x 4 ft platform, east of Galliano.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4.65 ft below NAVD 88.

REMARKS.--Stage affected by tide. Satellite telemetry at station. Data for the period Aug. 24, 2001 to Sept. 30, 2001 available in the Baton Rouge Field Office.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.78 ft, Sept. 26, 2002; minimum gage height, 3.57 ft, Jan. 17, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.56 ft, Oct. 3; minimum gage height, 3.57 ft, Jan. 17.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.43	5.94	6.18	5.62	5.15	5.42	4.93	4.29	4.58	5.41	4.39	4.81
2	6.66	6.10	6.50	5.52	5.22	5.39	5.14	4.32	4.68	5.34	4.46	4.75
3	8.56	6.54	7.72	5.93	5.49	5.67	5.26	4.37	4.79	4.63	3.75	4.13
4	7.42	6.46	7.06	6.02	5.32	5.64	5.46	4.53	4.98	4.79	3.99	4.38
5	---	---	---	6.45	5.44	5.96	5.54	4.38	4.83	4.92	4.12	4.51
6	---	---	---	6.08	4.92	5.33	5.02	4.06	4.49	4.97	4.29	4.60
7	---	---	---	5.49	4.71	5.07	4.89	4.09	4.49	4.86	4.09	4.41
8	---	---	---	5.50	4.71	5.10	4.81	4.12	4.45	4.46	4.06	4.26
9	6.37	5.73	6.05	5.63	4.94	5.31	4.92	4.37	4.65	4.94	4.43	4.59
10	6.68	5.92	6.28	5.88	5.19	5.53	5.13	4.38	4.75	4.95	4.48	4.71
11	6.52	5.66	6.07	6.02	5.38	5.69	5.00	4.60	4.82	4.66	4.13	4.38
12	6.33	5.49	5.92	5.92	4.65	5.29	5.17	4.75	4.88	4.70	4.21	4.45
13	6.06	5.33	5.69	4.86	4.47	4.58	5.36	4.42	4.77	4.88	4.31	4.58
14	5.64	5.26	5.45	5.20	4.86	5.00	4.71	4.12	4.37	4.97	4.05	4.46
15	5.90	5.24	5.60	5.46	5.20	5.29	4.87	4.24	4.53	4.94	4.19	4.54
16	5.64	5.26	5.43	5.20	4.34	4.77	5.00	4.24	4.58	5.09	4.22	4.59
17	5.71	5.29	5.52	4.74	4.07	4.37	5.28	4.39	4.76	4.67	3.57	4.01
18	5.77	5.28	5.48	4.97	4.36	4.62	5.42	4.56	4.98	4.60	3.82	4.21
19	5.87	5.73	5.79	5.01	4.28	4.63	5.68	4.73	5.26	4.64	3.76	4.18
20	5.79	5.50	5.63	5.42	4.38	4.80	5.57	4.49	4.88	4.77	3.91	4.34
21	5.76	5.36	5.57	5.42	4.45	4.86	5.22	4.43	4.82	4.83	4.12	4.51
22	5.83	5.29	5.56	5.18	4.33	4.68	5.32	4.51	4.87	4.97	4.32	4.63
23	6.03	5.49	5.74	4.93	4.20	4.55	5.53	4.69	5.05	4.34	3.63	3.89
24	6.00	5.33	5.64	5.06	4.35	4.71	5.86	4.84	5.36	4.15	3.65	3.91
25	6.01	5.43	5.74	5.21	4.55	4.92	4.85	4.14	4.44	4.46	3.81	4.15
26	6.11	5.41	5.77	5.35	4.67	5.01	4.62	4.25	4.42	4.78	3.90	4.33
27	6.11	5.44	5.77	5.33	4.41	4.81	4.53	4.27	4.38	4.76	3.97	4.35
28	6.21	5.52	5.84	4.81	4.21	4.51	4.75	4.19	4.44	4.97	4.09	4.49
29	6.20	5.61	5.96	4.92	4.49	4.62	5.07	4.23	4.61	5.14	4.24	4.65
30	6.20	5.47	5.84	4.94	4.68	4.83	5.47	4.49	4.90	5.14	4.34	4.71
31	5.72	5.22	5.50	---	---	---	5.56	4.95	5.25	5.16	4.35	4.71
MONTH	---	---	---	6.45	4.07	5.03	5.86	4.06	4.74	5.41	3.57	4.43

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.07	4.18	4.52	5.42	4.79	5.09	4.68	4.49	4.60	5.84	5.23	5.56
2	4.96	4.26	4.62	5.39	4.77	5.01	4.98	4.65	4.86	5.69	5.11	5.41
3	5.18	4.49	4.84	5.51	4.92	5.18	5.40	4.95	5.19	5.68	5.04	5.36
4	5.28	4.48	4.78	5.52	5.21	5.33	5.57	5.05	5.34	5.70	4.89	5.35
5	4.87	4.48	4.66	5.51	5.28	5.40	5.62	5.13	5.40	6.19	5.42	5.83
6	5.10	4.80	5.00	5.50	5.19	5.39	5.87	5.15	5.53	6.34	5.66	5.96
7	4.85	4.20	4.46	5.38	5.01	5.23	5.99	5.36	5.65	6.31	5.74	6.01
8	4.73	4.07	4.38	5.59	4.99	5.31	6.09	5.14	5.68	6.14	5.56	5.86
9	5.27	4.47	4.83	5.46	5.05	5.24	5.63	4.47	5.03	6.09	5.68	5.90
10	5.15	4.55	4.78	5.45	4.84	5.14	4.71	4.04	4.37	6.13	5.71	5.92
11	5.09	4.20	4.60	5.53	4.78	5.15	4.99	4.14	4.55	6.02	5.60	5.79
12	5.07	4.47	4.72	5.62	4.99	5.30	5.03	4.27	4.61	5.60	5.07	5.30
13	5.18	4.36	4.71	5.83	4.94	5.29	5.03	4.44	4.75	5.33	5.04	5.15
14	5.41	4.46	4.87	5.63	4.90	5.28	5.03	4.53	4.71	5.57	5.03	5.34
15	5.67	4.76	5.13	5.68	5.00	5.33	4.90	4.62	4.75	5.72	4.93	5.39
16	5.73	4.81	5.11	5.95	5.28	5.60	5.50	4.90	5.19	5.67	4.90	5.31
17	4.93	4.20	4.53	5.91	5.36	5.59	5.48	4.86	5.21	5.88	5.05	5.47
18	4.96	4.30	4.60	6.11	5.55	5.76	5.48	4.80	5.14	5.91	5.01	5.47
19	4.98	4.58	4.76	6.13	5.61	5.90	5.63	4.77	5.27	5.92	5.00	5.39
20	4.97	4.75	4.85	5.91	5.36	5.66	5.79	5.09	5.41	5.71	5.00	5.35
21	5.57	4.80	5.32	5.50	4.86	5.27	5.60	4.98	5.27	5.62	5.02	5.32
22	5.60	4.52	4.99	5.54	4.73	5.13	5.56	4.78	5.17	5.33	4.92	5.14
23	5.38	4.39	4.88	5.40	4.69	5.03	5.58	4.81	5.17	5.16	4.67	4.93
24	5.31	4.69	5.01	5.37	4.62	5.01	5.81	5.27	5.52	5.27	4.86	5.07
25	5.30	4.46	4.94	5.55	4.69	5.13	5.73	5.30	5.47	5.24	5.03	5.12
26	5.63	4.70	5.12	5.92	4.94	5.40	5.48	5.06	5.26	5.36	4.88	5.17
27	5.56	4.83	5.19	5.81	5.15	5.49	5.35	5.07	5.21	5.34	4.67	5.07
28	5.43	4.68	5.01	5.78	5.22	5.49	5.41	5.26	5.32	5.18	4.65	4.91
29	---	---	---	5.77	4.64	5.21	5.58	5.30	5.46	5.21	4.50	4.89
30	---	---	---	4.67	3.89	4.17	5.75	5.30	5.55	5.22	4.49	4.86
31	---	---	---	4.53	3.99	4.32	---	---	---	5.21	4.48	4.85
MONTH	5.73	4.07	4.83	6.13	3.89	5.25	6.09	4.04	5.15	6.34	4.48	5.37
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5.18	4.43	4.81	6.91	5.89	6.45	5.32	4.67	5.06	6.49	5.89	6.16
2	5.35	4.43	4.95	6.23	5.67	5.92	5.37	4.87	5.08	6.39	5.72	6.04
3	5.76	4.80	5.25	6.01	5.46	5.72	5.18	4.98	5.10	6.31	5.60	5.96
4	5.93	4.91	5.29	6.01	5.41	5.69	5.31	4.89	5.09	6.25	5.51	5.89
5	5.72	5.03	5.38	5.86	5.48	5.66	5.40	4.80	5.12	6.19	5.45	5.84
6	6.25	5.30	5.69	5.74	5.39	5.55	5.43	4.65	5.06	6.10	5.42	5.77
7	5.74	5.38	5.55	5.73	5.45	5.58	5.37	4.53	4.97	6.10	5.46	5.79
8	5.40	5.10	5.25	5.81	5.36	5.57	5.43	4.61	5.04	6.16	5.52	5.85
9	5.29	4.97	5.12	5.89	5.23	5.58	5.55	4.66	5.16	6.18	5.53	5.88
10	5.38	4.87	5.12	5.86	5.08	5.51	5.59	4.73	5.20	5.97	5.60	5.80
11	5.59	4.89	5.19	5.87	5.08	5.48	5.54	4.77	5.17	5.96	5.70	5.84
12	5.73	4.94	5.36	5.91	5.08	5.48	5.74	4.74	5.31	6.21	5.88	6.07
13	5.79	5.00	5.42	6.13	5.13	5.68	5.71	5.01	5.35	6.32	5.87	6.07
14	5.79	4.97	5.42	6.31	5.37	5.88	5.52	5.07	5.26	5.92	5.60	5.77
15	5.78	4.97	5.39	6.27	5.60	5.94	5.74	5.01	5.36	5.97	5.50	5.71
16	5.88	4.92	5.34	6.04	5.49	5.73	5.60	5.42	5.52	5.92	5.52	5.72
17	5.71	4.92	5.33	5.80	5.29	5.50	5.63	5.24	5.43	5.96	5.44	5.71
18	5.69	5.01	5.36	5.58	5.20	5.37	5.44	5.15	5.29	5.97	5.43	5.71
19	5.66	5.08	5.35	5.34	5.18	5.25	5.67	5.08	5.38	6.05	5.38	5.73
20	5.67	5.15	5.38	5.27	4.92	5.09	5.62	4.94	5.29	5.89	5.33	5.63
21	5.49	5.20	5.33	5.18	4.80	5.00	5.71	4.97	5.33	6.09	5.47	5.79
22	5.53	5.23	5.39	5.25	4.68	4.97	5.83	5.16	5.45	6.26	5.45	5.87
23	5.51	5.14	5.33	5.24	4.64	4.94	5.98	5.32	5.65	5.95	5.41	5.67
24	5.61	5.15	5.38	5.36	4.59	4.97	6.08	5.37	5.70	6.11	5.42	5.81
25	5.83	5.20	5.51	5.31	4.60	4.97	6.12	5.37	5.77	6.13	5.60	5.89
26	5.90	5.30	5.61	5.43	4.65	5.09	5.99	5.36	5.69	6.29	5.99	6.17
27	6.09	5.34	5.67	5.45	4.69	5.11	6.04	5.38	5.73	6.31	5.93	6.12
28	6.19	5.34	5.76	5.51	4.75	5.15	5.94	5.42	5.71	6.21	5.51	5.78
29	6.23	5.51	5.96	5.54	4.77	5.16	6.24	5.51	5.86	5.79	5.23	5.48
30	8.14	5.81	6.77	5.54	4.83	5.16	6.44	6.13	6.28	5.88	5.21	5.53
31	---	---	---	5.43	4.74	5.10	6.40	6.27	6.34	---	---	---
MONTH	8.14	4.43	5.42	6.91	4.59	5.43	6.44	4.53	5.41	6.49	5.21	5.83

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2001 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 2001 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: August 2001 to current year.

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

REMARKS.--Stage affected by wind and tide.

SPECIFIC CONDUCTANCE: Record excellent except for Oct. 1-9, Dec. 9-Jan. 15, Feb. 2-Mar. 16, and June 26-July 8 when records good; Mar. 17-26 when records fair.

SALINITY: Record excellent except for Oct. 1-9, Dec. 9-Jan. 15, Feb. 2-Mar. 16, and June 26-July 8 when records good; Mar. 17-26 when records fair.

WATER TEMPERATURE: Record rated good. Data for the period Aug. 24, 2001 to Sept. 30, 2001 available in the Baton Rouge Field Office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 40,700 microsiemens/cm, Oct. 13, 2001; minimum, 1,580 microsiemens/cm, Feb. 7, 2002.

SALINITY: Maximum, 23.4 ppt, Oct. 3, 2002; Minimum, 0.3 ppt, Jan. 8, 2003.

WATER TEMPERATURE: Maximum, 33.4°C, July 17, 2002; minimum, 4.0°C, Jan. 4, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 36,900 microsiemens/cm, Oct. 3; minimum, 557 microsiemens/cm, Jan. 8.

SALINITY: Maximum, 23.4 ppt, Oct. 3; minimum, 0.3 ppt, on several days.

WATER TEMPERATURE: Maximum, 32.1°C, June 9; minimum, 5.2°C, Jan. 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6,400	4,580	5,440	1,920	991	1,400	1,410	942	1,050	9,470	4,420	6,540
2	8,630	4,440	6,300	1,540	841	1,230	2,340	963	1,220	6,020	1,120	3,760
3	36,900	8,260	23,200	2,200	1,440	1,750	5,680	1,900	3,490	1,610	597	826
4	23,400	9,000	13,600	2,200	1,450	1,690	10,600	3,800	6,490	1,160	564	760
5	---	---	---	4,310	1,540	2,530	11,600	952	4,540	1,890	674	1,070
6	---	---	---	2,610	760	1,240	4,720	725	1,680	1,400	686	932
7	---	---	---	1,320	661	831	1,630	865	1,130	1,290	762	987
8	---	---	---	1,070	581	740	1,530	818	1,050	1,200	557	796
9	4,340	3,440	3,900	1,120	589	708	1,430	909	1,090	3,390	671	1,070
10	4,520	3,510	3,940	2,260	715	1,300	1,740	669	1,160	13,500	1,480	4,810
11	3,900	2,480	3,120	6,870	1,870	3,660	4,320	830	2,530	5,470	1,790	3,750
12	2,980	2,020	2,500	2,710	653	1,600	8,110	3,270	5,870	3,640	1,160	2,850
13	2,730	1,830	2,100	829	626	683	9,060	1,440	4,760	6,810	2,090	3,020
14	2,000	1,400	1,820	991	722	834	3,240	873	1,580	7,190	1,640	2,920
15	2,070	1,310	1,650	1,250	894	1,070	2,100	1,040	1,440	10,400	1,990	4,610
16	1,700	1,350	1,500	1,010	580	740	3,270	977	1,770	11,800	1,980	6,130
17	1,720	1,530	1,620	771	671	713	7,500	2,780	4,200	4,770	781	1,860
18	1,900	1,500	1,640	879	709	761	13,700	7,110	9,560	1,820	835	1,170
19	2,620	1,800	2,230	885	724	779	18,400	11,800	15,200	2,910	860	1,290
20	2,500	1,570	1,870	1,060	756	810	14,500	5,900	10,200	8,650	2,120	3,770
21	1,970	1,620	1,720	1,190	782	912	8,170	4,010	5,720	11,800	4,460	7,200
22	1,840	1,610	1,680	973	798	859	10,600	3,070	6,900	17,300	6,080	10,800
23	1,860	1,610	1,720	986	839	874	13,600	4,220	7,230	6,920	671	2,790
24	2,290	1,600	1,760	1,040	853	904	22,100	10,200	15,200	2,850	658	1,690
25	2,350	1,640	1,870	1,960	931	1,200	10,200	1,510	3,510	8,740	1,610	3,450
26	4,920	1,700	2,510	5,760	1,820	2,830	2,680	1,060	1,680	17,100	2,980	6,550
27	3,980	1,730	2,290	2,660	903	1,470	1,880	863	1,440	17,200	7,070	10,500
28	4,280	2,470	3,500	1,280	988	1,120	2,460	1,040	1,540	17,600	7,690	13,300
29	4,890	2,500	3,670	1,330	1,080	1,210	4,170	1,570	2,330	21,300	6,290	15,400
30	3,680	1,550	2,430	2,140	1,150	1,390	11,100	3,310	4,890	23,800	10,700	16,100
31	1,710	1,000	1,470	---	---	---	15,000	5,940	10,300	23,100	11,800	16,900
MONTH	---	---	---	6,870	580	1,260	22,100	669	4,540	23,800	557	5,080

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	13,200	9,900	11,700	13,700	8,450	10,600	1,750	1,020	1,430	21,700	17,900	19,000
2	15,100	10,500	13,000	11,600	6,290	8,270	3,100	1,290	1,760	18,100	14,400	17,000
3	20,900	13,700	17,600	11,600	7,370	8,900	6,680	2,510	4,670	16,300	13,200	15,000
4	19,600	13,300	15,400	11,100	7,720	9,120	8,490	6,080	7,340	20,500	13,200	16,200
5	15,500	13,200	14,100	10,500	8,790	9,560	8,620	6,220	7,800	26,800	20,200	24,600
6	24,900	14,900	19,500	12,200	7,940	9,870	12,900	6,650	9,110	31,400	25,900	29,100
7	19,000	7,060	13,100	8,710	5,100	7,060	12,600	10,900	11,900	31,900	28,900	30,700
8	12,600	4,510	8,110	8,340	4,060	6,100	11,900	5,180	10,100	31,900	30,100	31,400
9	22,300	11,300	14,800	6,420	4,060	5,260	5,180	844	2,370	31,900	31,300	31,600
10	22,300	14,900	17,000	4,250	3,220	3,610	1,060	749	854	32,700	31,600	32,000
11	17,900	11,300	14,100	7,940	2,550	3,790	1,050	720	823	33,300	30,000	32,500
12	21,900	13,200	17,500	11,500	3,610	5,560	899	729	810	30,000	25,600	26,900
13	20,800	13,900	16,300	10,100	4,810	6,260	1,350	786	998	25,600	22,500	23,400
14	25,000	17,700	20,800	7,510	3,160	4,490	1,350	793	974	24,800	22,600	24,000
15	30,700	23,100	26,900	6,160	2,660	3,460	1,360	913	1,020	24,400	22,300	23,500
16	31,900	20,000	25,200	12,900	5,100	7,920	14,000	1,360	7,800	24,400	20,900	22,800
17	20,000	10,000	13,400	13,300	4,940	7,460	13,800	7,170	9,880	26,500	22,900	24,400
18	14,600	10,700	12,000	12,300	7,230	9,610	11,700	6,680	8,450	27,200	24,600	25,600
19	17,700	13,100	15,200	14,900	11,200	13,400	19,900	7,240	11,200	25,400	20,600	23,600
20	19,800	14,800	16,600	11,500	8,800	9,810	21,200	12,900	17,000	22,500	20,700	21,600
21	27,300	18,500	23,000	8,800	3,820	7,000	19,600	11,100	14,100	22,600	19,200	20,700
22	29,100	12,700	24,000	4,390	3,150	3,870	11,700	9,540	10,400	19,800	15,800	17,300
23	19,700	8,940	15,200	3,150	2,240	2,680	14,600	8,960	10,400	15,800	10,900	13,000
24	20,000	14,300	16,300	3,240	1,610	2,160	21,200	14,600	18,300	14,700	10,600	12,600
25	16,300	13,000	14,600	5,890	1,780	3,050	22,900	14,100	18,500	15,600	12,400	14,200
26	19,000	12,200	14,200	7,300	4,000	5,430	18,700	11,000	13,900	18,200	13,200	15,200
27	19,000	12,200	14,100	6,630	2,230	3,780	11,400	7,880	9,960	14,600	12,900	13,700
28	16,700	9,920	12,000	6,750	3,880	5,700	13,600	9,600	11,700	13,500	11,600	12,700
29	---	---	---	5,630	986	3,130	17,600	11,900	15,500	12,700	9,920	11,900
30	---	---	---	986	631	721	20,800	16,700	18,400	12,400	9,630	10,600
31	---	---	---	1,120	741	877	---	---	---	12,200	10,000	11,300
MONTH	31,900	4,510	16,300	14,900	631	6,080	22,900	720	8,580	33,300	9,630	20,900
JUNE				JULY			AUGUST			SEPTEMBER		
1	13,000	10,600	11,600	13,100	10,100	11,200	2,020	1,700	1,830	26,800	24,000	25,700
2	14,200	11,000	12,700	10,700	7,500	8,440	1,840	1,700	1,770	25,400	23,000	24,600
3	20,200	13,800	16,400	7,600	6,030	6,910	1,760	1,680	1,720	24,200	20,300	22,700
4	19,300	14,500	16,400	6,060	4,850	5,300	1,760	1,660	1,690	22,000	17,400	20,000
5	16,900	14,000	15,800	5,010	3,870	4,350	1,910	1,670	1,770	19,000	16,500	17,900
6	19,900	16,600	17,500	4,620	2,710	3,570	1,860	1,700	1,770	18,100	16,000	16,900
7	17,800	13,800	15,200	3,320	2,610	3,010	1,920	1,530	1,740	18,400	15,700	16,900
8	14,000	10,100	11,400	3,170	2,610	2,780	1,970	1,510	1,630	20,000	16,000	17,900
9	10,300	7,840	8,980	3,060	2,670	2,870	4,500	1,510	2,240	19,300	16,000	18,300
10	9,340	7,070	8,300	3,020	2,490	2,750	6,640	1,860	3,140	19,600	17,500	18,600
11	9,860	6,840	8,100	2,760	2,440	2,530	5,690	2,310	3,490	20,200	18,900	19,500
12	10,100	6,840	8,780	2,690	2,380	2,510	15,600	2,440	7,540	22,100	19,200	20,900
13	10,500	8,470	9,650	3,040	2,380	2,620	15,100	4,390	8,980	23,000	20,200	22,000
14	10,200	8,080	9,260	3,240	2,460	2,850	12,600	5,830	8,830	21,500	17,000	19,700
15	10,400	8,080	9,150	4,310	2,890	3,610	12,300	5,780	8,110	18,500	15,600	17,200
16	9,370	8,310	8,710	4,310	3,590	4,030	15,900	11,400	13,200	18,200	15,100	16,900
17	9,250	7,400	8,410	3,910	3,070	3,460	16,500	9,470	12,700	17,300	16,200	16,700
18	8,900	7,460	7,960	3,070	2,520	2,750	9,470	4,730	7,020	17,100	15,700	16,600
19	8,750	6,650	7,840	2,520	2,260	2,420	9,890	5,880	7,240	18,100	15,700	17,200
20	8,390	6,520	7,560	2,260	2,110	2,200	6,820	4,010	5,620	17,300	15,500	16,500
21	7,160	6,060	6,370	2,170	1,720	1,980	5,700	3,980	4,870	17,800	15,700	16,800
22	6,320	5,240	5,970	1,960	1,720	1,800	11,000	4,140	6,720	17,900	14,600	16,600
23	5,620	4,020	5,080	1,900	1,700	1,790	14,800	6,190	10,400	15,900	14,500	15,400
24	5,190	3,900	4,680	1,790	1,720	1,760	16,700	9,610	12,600	17,500	14,300	15,700
25	5,730	3,990	4,790	1,800	1,690	1,770	18,600	12,300	14,800	17,300	15,000	16,200
26	6,470	4,710	5,820	1,930	1,710	1,780	17,500	14,000	15,000	20,500	16,900	18,500
27	6,500	5,180	5,920	1,940	1,670	1,760	16,900	11,900	14,500	21,900	19,500	20,800
28	6,820	4,930	5,830	1,850	1,670	1,760	16,200	13,800	15,300	20,400	16,800	18,400
29	8,270	5,370	6,960	2,100	1,710	1,850	18,800	13,700	15,900	17,600	13,000	15,600
30	14,700	7,410	10,800	2,410	1,670	1,870	25,900	18,800	22,000	15,000	12,300	14,000
31	---	---	---	2,220	1,670	1,890	26,500	24,200	25,400	---	---	---
MONTH	20,200	3,900	9,400	13,100	1,670	3,230	26,500	1,510	8,370	26,800	12,300	18,400

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	3.5	2.4	2.9	1.0	0.5	0.7	0.7	0.5	0.5	5.3	2.4	3.6
2	4.8	2.4	3.4	0.8	0.4	0.6	1.2	0.5	0.6	3.3	0.6	2.0
3	23.4	4.6	14.1	1.1	0.7	0.9	3.1	1.0	1.8	0.8	0.3	0.4
4	14.2	5.0	7.9	1.1	0.7	0.9	6.0	2.0	3.5	0.6	0.3	0.4
5	---	---	---	2.3	0.8	1.3	6.6	0.5	2.4	1.0	0.3	0.5
6	---	---	---	1.3	0.4	0.6	2.5	0.4	0.9	0.7	0.3	0.5
7	---	---	---	0.7	0.3	0.4	0.8	0.4	0.6	0.6	0.4	0.5
8	---	---	---	0.5	0.3	0.4	0.8	0.4	0.5	0.6	0.3	0.4
9	2.3	1.8	2.1	0.6	0.3	0.3	0.7	0.4	0.5	1.8	0.3	0.5
10	2.4	1.8	2.1	1.2	0.4	0.6	0.9	0.3	0.6	7.8	0.7	2.6
11	2.1	1.3	1.6	3.8	0.9	1.9	2.3	0.4	1.3	2.9	0.9	2.0
12	1.5	1.0	1.3	1.4	0.3	0.8	4.5	1.7	3.2	1.9	0.6	1.5
13	1.4	0.9	1.1	0.4	0.3	0.3	5.1	0.7	2.6	3.7	1.1	1.6
14	1.0	0.7	0.9	0.5	0.4	0.4	1.7	0.4	0.8	3.9	0.8	1.5
15	1.1	0.7	0.8	0.6	0.4	0.5	1.1	0.5	0.7	5.9	1.0	2.5
16	0.9	0.7	0.8	0.5	0.3	0.4	1.7	0.5	0.9	6.7	1.0	3.4
17	0.9	0.8	0.8	0.4	0.3	0.4	4.1	1.4	2.2	2.5	0.4	1.0
18	1.0	0.8	0.8	0.4	0.3	0.4	7.9	3.9	5.4	0.9	0.4	0.6
19	1.3	0.9	1.1	0.4	0.4	0.4	10.9	6.7	8.9	1.5	0.4	0.6
20	1.3	0.8	0.9	0.5	0.4	0.4	8.4	3.2	5.8	4.8	1.1	2.0
21	1.0	0.8	0.9	0.6	0.4	0.4	4.5	2.1	3.1	6.7	2.4	4.0
22	0.9	0.8	0.8	0.5	0.4	0.4	6.0	1.6	3.8	10.2	3.3	6.1
23	0.9	0.8	0.9	0.5	0.4	0.4	7.8	2.2	4.0	3.8	0.3	1.5
24	1.2	0.8	0.9	0.5	0.4	0.4	13.3	5.8	8.9	1.5	0.3	0.9
25	1.2	0.8	0.9	1.0	0.5	0.6	5.8	0.8	1.9	4.9	0.8	1.8
26	2.6	0.9	1.3	3.1	0.9	1.5	1.4	0.5	0.8	10.1	1.5	3.6
27	2.1	0.9	1.2	1.4	0.4	0.7	1.0	0.4	0.7	10.1	3.9	5.9
28	2.3	1.3	1.8	0.6	0.5	0.5	1.3	0.5	0.8	10.4	4.2	7.7
29	2.6	1.3	1.9	0.7	0.5	0.6	2.2	0.8	1.2	12.8	3.4	9.0
30	1.9	0.8	1.3	1.1	0.6	0.7	6.3	1.7	2.6	14.4	6.1	9.4
31	0.9	0.5	0.7	---	---	---	8.7	3.2	5.8	13.9	6.7	9.9
MONTH	---	---	---	3.8	0.3	0.6	13.3	0.3	2.5	14.4	0.3	2.8
FEBRUARY			MARCH			APRIL			MAY			
1	7.6	5.6	6.6	7.9	4.7	6.0	0.9	0.5	0.7	13.0	10.5	11.3
2	8.8	6.0	7.4	6.6	3.4	4.6	1.6	0.6	0.9	10.7	8.3	10.0
3	12.5	7.9	10.4	6.6	4.1	5.0	3.6	1.3	2.5	9.5	7.6	8.7
4	11.7	7.6	9.0	6.3	4.3	5.1	4.7	3.3	4.0	12.2	7.6	9.5
5	9.0	7.6	8.2	6.0	4.9	5.4	4.8	3.4	4.3	16.4	12.0	14.9
6	15.1	8.7	11.6	7.0	4.4	5.6	7.4	3.6	5.1	19.5	15.8	18.0
7	11.3	3.9	7.6	4.8	2.7	3.9	7.2	6.2	6.8	19.9	17.8	19.0
8	7.2	2.4	4.5	4.6	2.1	3.3	6.8	2.8	5.7	19.9	18.7	19.5
9	13.4	6.4	8.6	3.5	2.1	2.8	2.8	0.4	1.2	19.9	19.4	19.7
10	13.4	8.7	10.0	2.3	1.7	1.9	0.5	0.4	0.4	20.4	19.6	20.0
11	10.5	6.4	8.2	4.4	1.3	2.0	0.5	0.4	0.4	20.8	18.6	20.3
12	13.2	7.6	10.3	6.5	1.9	3.0	0.4	0.4	0.4	18.6	15.6	16.5
13	12.4	8.0	9.6	5.7	2.6	3.4	0.7	0.4	0.5	15.6	13.5	14.2
14	15.2	10.4	12.4	4.1	1.6	2.4	0.7	0.4	0.5	15.0	13.6	14.5
15	19.0	13.9	16.5	3.3	1.4	1.8	0.7	0.4	0.5	14.8	13.4	14.2
16	19.9	11.9	15.4	7.4	2.7	4.4	8.1	0.7	4.4	14.8	12.5	13.8
17	11.9	5.6	7.8	7.6	2.6	4.1	7.9	3.9	5.6	16.2	13.8	14.8
18	8.5	6.1	6.8	7.0	4.0	5.4	6.6	3.6	4.7	16.6	14.9	15.6
19	10.4	7.5	8.9	8.7	6.3	7.7	11.8	4.0	6.4	15.5	12.3	14.3
20	11.8	8.6	9.7	6.5	4.9	5.5	12.7	7.4	10.0	13.5	12.4	12.9
21	16.7	10.9	13.9	4.9	2.0	3.8	11.7	6.3	8.1	13.6	11.4	12.3
22	17.9	7.3	14.5	2.3	1.6	2.0	6.6	5.3	5.9	11.8	9.2	10.2
23	11.7	5.0	8.9	1.6	1.1	1.4	8.5	5.0	5.9	9.2	6.2	7.5
24	11.9	8.3	9.6	1.7	0.8	1.1	12.7	8.5	10.8	8.6	6.0	7.2
25	9.5	7.5	8.5	3.2	0.9	1.6	13.8	8.1	10.9	9.1	7.1	8.2
26	11.3	7.0	8.2	4.0	2.1	2.9	11.1	6.2	8.0	10.7	7.6	8.8
27	11.3	7.0	8.2	3.6	1.1	2.0	6.5	4.4	5.6	8.5	7.4	7.9
28	9.8	5.6	6.8	3.7	2.0	3.1	7.8	5.4	6.7	7.8	6.6	7.3
29	---	---	---	3.0	0.5	1.6	10.4	6.8	9.1	7.3	5.6	6.8
30	---	---	---	0.5	0.3	0.4	12.4	9.8	10.9	7.1	5.4	6.0
31	---	---	---	0.6	0.4	0.4	---	---	---	7.0	5.6	6.4
MONTH	19.9	2.4	9.6	8.7	0.3	3.3	13.8	0.4	4.9	20.8	5.4	12.6

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.5	6.0	6.6	7.5	5.7	6.4	1.0	0.9	0.9	16.4	14.5	15.7
2	8.2	6.2	7.3	6.1	4.1	4.7	0.9	0.9	0.9	15.5	13.9	14.9
3	12.0	7.9	9.6	4.2	3.3	3.8	0.9	0.8	0.9	14.7	12.1	13.7
4	11.5	8.4	9.6	3.3	2.6	2.8	0.9	0.8	0.9	13.2	10.2	11.9
5	9.9	8.1	9.2	2.7	2.0	2.3	1.0	0.8	0.9	11.3	9.7	10.5
6	11.8	9.7	10.3	2.5	1.4	1.9	0.9	0.9	0.9	10.7	9.3	9.9
7	10.5	7.9	8.8	1.7	1.3	1.6	1.0	0.8	0.9	10.9	9.1	9.9
8	8.1	5.7	6.5	1.6	1.3	1.4	1.0	0.8	0.8	11.9	9.3	10.6
9	5.8	4.3	5.0	1.6	1.4	1.5	2.4	0.8	1.1	11.5	9.3	10.8
10	5.2	3.9	4.6	1.6	1.3	1.4	3.6	0.9	1.6	11.7	10.3	11.0
11	5.5	3.7	4.5	1.4	1.3	1.3	3.1	1.2	1.8	12.0	11.2	11.6
12	5.7	3.7	4.9	1.4	1.2	1.3	9.1	1.3	4.2	13.3	11.4	12.5
13	6.0	4.7	5.4	1.6	1.2	1.4	8.8	2.3	5.0	13.9	12.0	13.2
14	5.8	4.5	5.2	1.7	1.3	1.5	7.2	3.2	4.9	12.9	10.0	11.7
15	5.9	4.5	5.1	2.3	1.5	1.9	7.0	3.1	4.5	10.9	9.1	10.1
16	5.2	4.6	4.8	2.3	1.9	2.1	9.3	6.5	7.6	10.7	8.8	9.9
17	5.2	4.1	4.7	2.1	1.6	1.8	9.7	5.3	7.3	10.2	9.4	9.8
18	5.0	4.1	4.4	1.6	1.3	1.4	5.3	2.5	3.9	10.1	9.1	9.7
19	4.9	3.6	4.3	1.3	1.2	1.2	5.6	3.2	4.0	10.7	9.1	10.1
20	4.7	3.6	4.2	1.2	1.1	1.1	3.7	2.1	3.0	10.2	9.0	9.7
21	3.9	3.3	3.5	1.1	0.9	1.0	3.1	2.1	2.6	10.5	9.1	9.9
22	3.4	2.8	3.2	1.0	0.9	0.9	6.2	2.2	3.7	10.5	8.5	9.7
23	3.0	2.1	2.7	1.0	0.9	0.9	8.6	3.4	5.9	9.3	8.4	9.0
24	2.8	2.1	2.5	0.9	0.9	0.9	9.8	5.4	7.3	10.3	8.3	9.2
25	3.1	2.1	2.6	0.9	0.9	0.9	11.0	7.0	8.6	10.2	8.7	9.5
26	3.5	2.5	3.1	1.0	0.9	0.9	10.3	8.1	8.8	12.2	9.9	11.0
27	3.5	2.8	3.2	1.0	0.8	0.9	9.9	6.8	8.4	13.2	11.6	12.4
28	3.7	2.6	3.2	0.9	0.8	0.9	9.4	7.9	8.9	12.1	9.9	10.9
29	4.6	2.9	3.8	1.1	0.9	0.9	11.1	7.9	9.3	10.4	7.5	9.1
30	8.6	4.1	6.1	1.2	0.8	0.9	15.8	11.1	13.2	8.7	7.0	8.1
31	---	---	---	1.1	0.8	1.0	16.2	14.7	15.5	---	---	---
MONTH	12.0	2.1	5.3	7.5	0.8	1.7	16.2	0.8	4.8	16.4	7.0	10.9

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.5	27.3	27.9	22.0	20.0	20.9	13.4	12.4	12.8	14.9	13.6	14.3
2	28.7	27.4	28.0	20.0	18.2	18.9	14.0	12.0	12.9	15.0	12.6	14.1
3	27.6	26.7	27.0	19.6	17.7	18.8	15.1	13.4	14.2	12.6	11.3	12.0
4	28.4	26.4	27.3	20.8	19.5	19.9	17.0	14.8	15.7	12.5	10.4	11.4
5	---	---	---	20.8	20.2	20.6	16.6	11.6	14.4	13.7	11.1	12.0
6	---	---	---	20.3	18.1	18.9	12.0	10.4	11.4	13.4	12.1	12.7
7	---	---	---	18.8	17.1	17.9	11.5	10.0	10.9	12.6	11.4	11.9
8	---	---	---	19.3	17.4	18.2	11.3	10.4	10.9	12.1	10.6	11.5
9	28.1	27.5	27.7	19.9	18.4	19.2	11.6	10.6	11.1	13.9	11.3	12.4
10	27.5	26.8	27.1	22.2	19.9	21.1	11.4	11.0	11.3	14.4	13.0	13.8
11	27.6	26.3	26.9	22.6	21.9	22.2	11.6	10.3	11.1	13.0	10.3	11.3
12	27.2	26.5	26.9	21.9	18.7	20.7	12.1	11.1	11.6	10.3	7.9	9.3
13	27.2	24.9	26.1	18.7	16.5	17.2	12.8	11.7	12.2	9.3	7.8	8.5
14	24.9	22.2	23.3	18.1	15.3	16.8	12.5	11.2	11.8	10.2	8.1	9.2
15	22.8	21.7	22.2	18.7	17.4	18.1	13.2	11.2	12.2	10.6	8.6	9.8
16	21.8	19.7	21.0	18.3	14.0	16.4	14.4	11.8	13.0	12.0	10.0	10.6
17	22.1	19.9	20.6	14.5	12.9	13.6	15.5	13.3	14.3	10.3	8.2	9.0
18	22.1	20.1	21.0	15.2	13.1	14.2	17.6	15.0	16.2	9.6	7.0	8.2
19	23.1	21.5	22.3	16.3	14.6	15.4	18.7	16.8	17.7	9.7	7.6	8.5
20	23.5	22.3	22.8	17.2	16.1	16.5	17.7	15.2	16.2	11.2	9.0	10.1
21	24.4	22.7	23.3	17.8	16.0	16.8	15.8	14.7	15.3	13.7	11.1	12.3
22	24.7	23.1	23.8	16.6	15.2	16.0	17.7	15.6	16.4	14.5	13.2	13.9
23	24.8	23.6	24.0	15.6	14.3	14.8	17.8	16.8	17.1	13.2	8.1	10.3
24	24.9	23.7	24.2	15.7	14.2	15.0	19.6	16.7	18.2	8.1	5.2	6.6
25	24.6	23.8	24.2	17.1	15.5	16.2	16.7	12.4	14.5	7.3	5.4	6.4
26	24.4	24.0	24.2	18.1	16.5	17.1	13.3	11.1	12.1	7.6	6.7	7.1
27	25.2	23.9	24.5	17.4	14.7	16.1	12.7	10.9	11.4	9.7	7.1	8.1
28	26.1	25.0	25.5	14.7	13.0	13.6	14.3	10.7	12.0	10.5	8.5	9.4
29	25.8	24.3	25.2	14.0	11.6	12.8	14.3	12.1	13.2	12.6	9.9	11.3
30	24.8	24.0	24.4	13.9	13.2	13.6	15.4	13.6	14.5	12.9	11.9	12.4
31	24.0	22.0	22.9	---	---	---	16.2	14.9	15.6	13.9	12.5	13.1
MONTH	---	---	---	22.6	11.6	17.2	19.6	10.0	13.6	15.0	5.2	10.7
FEBRUARY			MARCH			APRIL			MAY			
1	14.8	12.3	13.3	15.7	15.5	15.6	17.9	15.1	16.5	27.4	25.3	26.2
2	16.1	13.0	14.3	16.3	15.2	15.8	18.9	16.8	17.8	28.3	26.1	27.1
3	17.0	15.0	15.8	15.6	13.5	14.5	19.8	18.1	19.0	29.0	26.9	28.0
4	17.0	15.0	15.8	15.0	13.5	14.3	22.0	19.4	20.6	29.2	27.6	28.3
5	15.0	13.2	13.8	17.2	14.6	15.8	23.3	21.3	22.3	28.2	26.8	27.6
6	14.3	13.2	13.7	17.9	16.6	17.2	24.7	22.8	23.8	28.1	26.7	27.5
7	14.0	10.6	12.3	18.7	16.6	17.4	25.2	23.8	24.4	28.5	26.8	27.7
8	10.8	9.6	10.3	18.2	17.2	17.7	23.8	21.0	22.7	28.5	27.1	27.8
9	11.3	10.1	10.6	20.6	17.8	19.0	21.0	15.4	18.3	28.6	27.2	27.9
10	12.8	11.1	11.7	21.0	18.6	19.8	16.1	13.7	15.0	28.9	27.1	28.0
11	13.9	11.6	12.8	20.2	19.2	19.8	17.6	14.3	15.9	28.9	27.4	28.1
12	16.4	13.1	14.2	21.6	19.4	20.5	19.2	15.5	17.4	28.4	27.1	27.7
13	16.2	13.9	15.0	22.2	20.8	21.3	21.9	17.0	19.1	27.5	26.2	26.9
14	18.5	15.6	16.8	22.5	20.4	21.3	21.4	19.0	20.0	28.0	25.6	26.7
15	19.5	17.2	18.2	24.4	20.8	22.1	23.4	20.4	21.8	28.4	26.8	27.6
16	19.0	16.2	18.1	22.6	21.6	21.9	23.8	22.0	22.9	29.0	27.1	27.9
17	16.2	13.2	14.6	22.3	20.9	21.6	24.9	22.6	23.7	28.4	27.2	27.8
18	15.2	12.8	13.6	23.1	21.8	22.4	25.9	23.6	24.6	28.4	27.1	27.7
19	15.8	13.6	14.4	23.1	21.9	22.5	25.6	24.1	25.0	28.3	27.0	27.7
20	17.3	14.1	15.8	22.4	21.4	21.9	25.8	24.0	25.0	28.5	26.7	27.7
21	18.2	16.8	17.5	21.8	19.9	20.9	26.7	24.7	25.6	28.4	27.1	27.7
22	18.2	15.2	16.9	22.5	19.0	20.3	25.6	24.0	25.0	27.6	26.5	27.0
23	16.4	14.1	15.5	22.6	19.7	21.0	25.2	23.9	24.5	27.9	25.0	26.4
24	18.2	15.5	16.8	22.2	19.7	21.2	25.2	23.8	24.5	29.1	25.7	27.3
25	17.3	16.1	16.6	21.7	20.3	21.0	26.2	24.1	25.1	29.2	26.7	28.0
26	17.0	15.9	16.4	22.2	20.8	21.5	26.6	24.0	25.2	29.5	27.4	28.5
27	17.0	16.1	16.4	23.5	20.6	21.7	25.7	23.3	24.1	28.6	27.0	28.0
28	16.3	15.5	15.7	23.9	21.6	22.7	26.0	23.6	24.6	28.5	25.6	26.9
29	---	---	---	23.5	17.8	20.9	26.3	24.5	25.4	28.0	25.2	26.7
30	---	---	---	17.8	14.8	16.1	26.4	24.6	25.4	28.0	25.6	26.7
31	---	---	---	19.1	13.5	15.8	---	---	---	28.1	26.2	27.2
MONTH	19.5	9.6	14.9	24.4	13.5	19.5	26.7	13.7	22.2	29.5	25.0	27.5

292800090060000 LITTLE LAKE NEAR BAY DOS GRIS EAST OF GALLIANO, LA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.1	26.5	27.6	27.2	25.8	26.5	30.7	29.2	29.9	29.6	27.6	28.5
2	29.3	27.4	28.2	27.9	26.4	27.1	30.6	29.2	29.7	30.6	28.7	29.4
3	28.5	27.0	27.8	28.2	26.7	27.4	29.8	29.1	29.4	30.8	29.2	30.0
4	29.0	27.4	28.0	27.6	26.9	27.3	31.1	28.6	29.8	30.8	29.8	30.2
5	29.0	27.3	28.1	27.8	26.5	27.1	31.3	29.3	30.3	30.1	28.8	29.5
6	28.4	27.0	27.5	28.4	26.6	27.5	30.7	29.7	30.3	29.7	27.8	28.7
7	28.9	26.6	27.6	28.7	27.7	28.1	30.1	29.0	29.5	29.7	28.4	29.0
8	31.9	28.1	29.3	29.3	27.5	28.5	30.4	28.9	29.5	29.7	28.4	29.0
9	32.1	29.1	30.1	30.4	28.4	29.1	30.5	29.1	29.8	29.3	28.1	28.5
10	31.4	29.6	30.6	31.1	28.8	29.9	30.9	29.1	30.1	29.5	27.0	28.3
11	30.5	28.7	29.5	31.0	29.6	30.2	30.4	29.1	30.0	29.4	27.6	28.6
12	29.5	28.4	29.0	30.8	29.5	30.0	29.8	28.2	28.8	28.8	27.7	28.2
13	29.8	28.1	29.1	29.8	28.8	29.4	28.8	27.6	28.0	29.2	27.4	28.2
14	30.6	28.9	29.7	28.8	27.6	28.0	29.6	26.9	28.3	30.3	28.4	29.0
15	30.4	29.2	29.8	29.3	27.1	28.1	29.4	28.3	28.9	29.5	28.1	28.8
16	30.9	29.1	30.0	30.3	28.4	29.1	29.5	28.5	28.9	28.7	27.0	27.9
17	30.1	28.8	29.2	30.1	28.2	29.3	29.8	28.8	29.4	28.4	26.7	27.6
18	30.9	28.1	29.3	31.3	27.7	28.9	31.5	28.2	29.6	28.8	27.3	28.0
19	29.6	28.2	28.9	30.9	28.8	29.8	30.4	29.1	29.6	28.9	27.7	28.2
20	28.3	27.7	28.0	30.1	28.6	29.3	30.5	29.0	29.6	28.7	27.2	27.9
21	28.0	27.4	27.7	30.0	28.1	29.0	30.6	28.9	29.7	27.4	27.1	27.3
22	29.7	27.5	28.4	30.3	28.3	29.3	30.4	29.1	29.7	27.3	26.5	26.9
23	31.6	28.5	29.8	29.6	28.1	28.9	30.2	29.1	29.7	27.3	25.8	26.5
24	31.1	30.0	30.5	29.8	27.4	28.2	30.2	29.3	29.8	27.8	26.3	27.0
25	30.6	29.7	30.0	29.4	28.0	28.8	30.8	29.3	30.1	27.8	26.4	27.2
26	30.8	29.0	29.8	30.2	28.4	29.2	31.5	29.5	30.4	28.5	26.8	27.5
27	30.2	29.4	29.8	31.0	29.0	29.9	31.1	30.1	30.7	28.7	27.4	27.9
28	30.1	28.8	29.5	30.6	29.3	29.8	30.9	29.6	30.2	28.0	25.8	27.0
29	29.8	28.6	29.1	30.6	29.3	29.8	31.2	29.2	30.1	25.9	22.3	23.5
30	28.6	26.3	27.2	31.0	29.1	29.8	30.0	28.8	29.2	22.3	20.6	21.6
31	---	---	---	31.0	29.4	30.0	28.8	27.8	28.2	---	---	---
MONTH	32.1	26.3	29.0	31.3	25.8	28.8	31.5	26.9	29.6	30.8	20.6	27.9

292859090004000 BARATARIA WATERWAY SOUTH OF LAFITTE, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							3.45	3.24	3.35	4.49	3.63	4.13
2							3.73	3.41	3.59	4.36	3.56	3.98
3							4.12	3.70	3.91	4.38	3.35	3.94
4							4.30	3.73	4.02	4.51	3.33	4.09
5							4.39	3.71	4.08	5.12	4.16	4.69
6							4.69	3.71	4.26	5.18	4.33	4.71
7							4.75	3.81	4.28	5.05	4.19	4.67
8							4.70	3.51	4.15	4.85	4.03	4.47
9							3.63	2.57	3.17	4.72	4.22	4.51
10							3.49	2.31	2.94	4.81	4.26	4.60
11							3.80	2.66	3.26	4.60	3.98	4.35
12							3.81	2.70	3.28	3.98	3.48	3.62
13							3.76	2.93	3.39	3.96	3.48	3.67
14							3.65	3.02	3.32	4.23	3.55	3.93
15							3.69	3.21	3.41	4.44	3.25	3.94
16							4.20	3.55	3.90	4.41	3.31	3.95
17							4.26	3.28	3.88	4.73	3.47	4.16
18							4.23	3.21	3.75	4.66	3.39	4.06
19				4.85	4.20	4.60	4.44	3.19	3.97	4.45	3.24	3.87
20				4.71	3.96	4.40	4.55	3.50	4.02	4.35	3.24	3.84
21				4.29	3.31	3.92	4.26	3.33	3.79	4.23	3.34	3.80
22				4.26	3.21	3.77	4.25	3.10	3.71	3.83	3.12	3.51
23				4.11	3.14	3.67	4.39	3.13	3.82	3.70	2.98	3.38
24				4.14	3.09	3.69	4.62	3.84	4.27	3.86	3.35	3.64
25				---	---	---	4.35	3.94	4.15	3.82	3.57	3.71
26				4.54	3.36	3.95	3.94	3.44	3.75	3.93	3.25	3.67
27				4.58	3.56	4.13	3.93	3.52	3.77	3.84	2.98	3.48
28				4.54	3.78	4.17	4.03	3.80	3.91	3.73	3.10	3.40
29				4.37	2.77	3.35	4.23	3.84	4.04	3.81	2.99	3.43
30				2.81	2.33	2.55	4.38	3.78	4.14	3.86	2.93	3.44
31				3.37	2.81	3.10	---	---	---	3.99	2.85	3.46
MONTH				---	---	---	4.75	2.31	3.78	5.18	2.85	3.94
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.84	2.84	3.37	5.24	3.91	4.71	3.88	3.06	3.51			
2	4.02	2.86	3.56	4.71	3.79	4.23	3.92	3.24	3.53			
3	4.32	3.14	3.81	4.52	3.65	4.08	3.67	3.43	3.57			
4	4.26	3.22	3.75	4.54	3.64	4.11	3.80	3.35	3.55			
5	4.29	3.32	3.84	4.27	3.67	4.00	3.92	3.16	3.55			
6	4.96	3.69	4.29	4.10	3.62	3.90	3.97	2.97	3.49			
7	4.39	3.69	4.01	4.16	3.82	3.97	---	---	---			
8	3.80	3.52	3.67	4.28	3.61	3.98	---	---	---			
9	3.79	3.48	3.61	4.34	3.48	3.95	---	---	---			
10	3.98	3.33	3.67	4.35	3.29	3.87	---	---	---			
11	4.26	3.27	3.77	4.42	3.22	3.86	---	---	---			
12	4.43	3.27	3.89	4.50	3.27	3.89	---	---	---			
13	4.44	3.29	3.92	4.83	3.42	4.15	4.32	3.39	3.88			
14	4.41	3.11	3.87	4.97	3.53	4.35	3.99	3.32	3.67			
15	4.37	3.11	3.80	4.83	3.82	4.36	4.30	3.25	3.80			
16	4.28	3.13	3.74	4.49	3.64	4.08	4.12	3.89	4.04			
17	4.23	3.12	3.75	---	---	---	4.13	3.70	3.93			
18	4.23	3.27	3.80	---	---	---	4.01	3.58	3.79			
19	4.33	3.43	3.83	---	---	---	4.26	3.46	3.87			
20	4.16	3.50	3.83	---	---	---	4.11	3.38	3.76			
21	3.97	3.64	3.79	---	---	---	4.16	3.33	3.77			
22	4.01	3.63	3.82	---	---	---	4.31	3.47	3.92			
23	3.96	3.51	3.76	3.81	2.97	3.42	4.55	3.65	4.11			
24	---	---	---	3.95	2.84	3.37	4.60	3.67	4.17			
25	---	---	---	3.88	2.83	3.38	4.73	3.79	4.28			
26	4.49	3.69	4.10	3.99	2.91	3.50	4.62	3.68	4.20			
27	4.57	3.61	4.14	3.98	2.93	3.50	4.69	3.69	4.22			
28	4.67	3.67	4.24	4.07	2.99	3.57	4.51	3.83	4.22			
29	4.84	3.84	4.48	4.19	2.99	3.61						
30	7.02	4.14	5.59	4.12	3.05	3.60						
31	---	---	---	4.03	3.01	3.55						
MONTH	---	---	---	---	---	---	---	---	---			

292859090004000 BARATARIA WATERWAY SOUTH OF LAFITTE, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2001 to September 2002.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 2001 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: August 2001 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 1-9, June 13-24, July 9-Aug. 7 when records good; Aug. 12-28 when records fair.

SALINITY: Records excellent except for Oct. 1-9, June 13-24, July 9-Aug. 7 when records good; Aug. 12-28 when records fair.

WATER TEMPERATURE: Records excellent except for Oct. 1-8 when records good; Oct. 9-Nov. 11 when records fair..

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 40,100 microsiemens/cm, Nov. 29, 2001; minimum, 996 microsiemens/cm, Apr. 11, 2003.

SALINITY: Maximum, 25.4 ppt, Oct. 3, 2002; minimum, 0.5 ppt, Mar. 30, Apr. 11, 2003.

WATER TEMPERATURE: Maximum, 34.2°C, Jul. 20, 2002; minimum, 4.5°C, Jan. 4, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 39,900 microsiemens/cm, Oct. 3; minimum, 996 microsiemens/cm, Apr. 11.

SALINITY: Maximum, 25.4 ppt, Oct. 3; minimum, 0.5 ppt, Mar. 30, Apr. 11.

WATER TEMPERATURE: Maximum, 33.0°C, June 9; minimum, 13.4°C, Apr. 10.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10,400	6,200	8,590	2,770	1,860	2,270						
2	10,300	6,760	9,100	2,800	1,510	2,140						
3	39,900	10,000	30,700	9,790	2,470	4,350						
4	20,300	16,100	18,500	12,900	2,990	6,130						
5	16,600	10,900	13,300	13,800	8,640	11,400						
6	11,600	7,600	9,580	13,200	1,540	4,480						
7	8,260	5,960	6,750	3,300	1,420	2,170						
8	7,890	5,020	6,150	2,850	1,450	2,210						
9	8,660	6,530	7,580	3,520	1,930	2,790						
10	9,150	5,320	7,470	5,300	2,900	4,150						
11	7,640	3,520	5,620									
12	6,660	3,180	4,740									
13	4,910	3,050	3,650									
14	3,330	2,530	2,940									
15	3,710	2,570	3,280									
16	4,280	2,470	3,190									
17	12,800	2,650	6,820									
18	10,900	3,060	6,500									
19	12,400	8,840	10,900									
20	10,100	5,330	7,250									
21	10,100	3,590	5,860									
22	10,800	3,440	6,110									
23	13,800	4,570	8,400									
24	12,100	3,350	6,590									
25	11,400	4,790	7,940									
26	11,900	4,370	8,030									
27	10,900	4,520	7,560									
28	12,400	5,910	9,320									
29	13,600	5,240	8,800									
30	8,970	2,360	5,440									
31	2,790	1,980	2,350									
MONTH	39,900	1,980	8,030	---	---	---						

292859090004000 BARATARIA WATERWAY SOUTH OF LAFITTE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							2,940	2,460	2,710	23,700	18,100	21,200
2							4,700	2,600	3,620	21,600	16,900	19,100
3							8,910	4,460	6,640	20,600	15,500	17,900
4							11,800	5,620	8,320	22,200	14,200	18,500
5							12,700	5,610	9,120	26,700	22,000	24,700
6							15,900	5,950	10,800	28,100	23,800	26,400
7							15,700	8,950	12,400	29,800	25,200	28,100
8							11,200	6,760	8,340	28,500	22,900	26,600
9							6,860	1,870	3,600	28,200	23,400	26,700
10							1,950	1,280	1,550	29,600	21,900	26,800
11							3,750	996	1,870	28,800	20,000	23,400
12							11,900	1,330	3,800	20,400	17,800	18,800
13							13,900	2,680	7,460	25,200	17,800	20,900
14							14,500	3,750	6,670	24,400	20,400	23,700
15							13,600	2,420	5,400	24,200	20,900	23,100
16							22,500	13,600	19,400	24,200	17,000	22,300
17							21,500	13,700	17,700	24,700	20,000	23,200
18							20,200	10,300	15,200	24,500	20,700	23,100
19				22,400	18,400	20,900	23,700	10,300	17,500	25,100	18,700	22,400
20				18,400	11,200	15,300	22,900	14,600	19,400	24,000	17,900	22,100
21				11,200	5,680	8,200	18,300	13,400	15,800	23,800	18,000	21,600
22				9,010	4,520	6,520	18,100	9,550	13,600	21,700	14,700	18,500
23				7,690	3,740	5,670	20,000	10,000	13,800	18,600	11,500	16,300
24				10,700	2,890	6,220	23,500	18,500	20,900	21,200	15,500	18,300
25				---	---	---	23,400	17,900	20,300	20,800	19,200	20,100
26				12,300	6,300	9,210	18,400	12,200	14,000	22,800	17,400	21,000
27				12,600	6,060	8,580	13,900	11,300	12,300	20,700	14,800	18,100
28				12,600	6,830	9,470	17,300	13,900	15,800	18,600	14,100	16,200
29				12,300	1,930	5,660	20,200	16,000	18,200	20,300	12,900	16,400
30				2,000	1,030	1,320	22,700	17,800	20,800	19,900	12,600	16,800
31				2,550	1,170	1,820	---	---	---	20,100	13,800	17,000
MONTH				---	---	---	23,700	996	11,600	29,800	11,500	21,300
	JUNE			JULY			AUGUST			SEPTEMBER		
1	18,800	12,600	16,100	12,000	9,810	11,200	6,680	3,130	4,740			
2	21,700	13,000	17,700	9,810	7,800	9,010	5,410	3,040	3,960			
3	23,600	15,700	19,500	8,320	5,900	7,760	3,880	2,720	3,150			
4	22,000	14,600	18,100	7,810	4,580	6,730	4,890	2,290	3,150			
5	20,300	14,100	17,200	6,990	4,680	5,570	6,940	2,190	4,270			
6	21,000	16,100	18,600	4,680	3,370	3,980	6,210	1,920	3,740			
7	17,500	12,000	13,700	3,480	2,880	3,200	---	---	---			
8	13,400	8,540	11,100	4,280	2,860	3,440	---	---	---			
9	10,600	7,650	9,200	4,150	2,750	3,360	---	---	---			
10	11,200	8,000	9,850	3,980	2,670	3,250	---	---	---			
11	13,100	8,570	11,000	3,800	2,650	3,240	---	---	---			
12	13,500	8,380	11,600	3,710	2,730	3,250	---	---	---			
13	14,000	9,350	11,800	4,280	2,950	3,570	19,900	9,840	15,100			
14	13,900	8,980	11,600	5,080	3,380	4,060	16,300	9,620	12,400			
15	13,400	8,910	11,200	5,560	3,680	4,450	16,900	7,660	11,900			
16	12,600	8,560	10,400	4,480	3,690	4,010	17,800	14,000	15,600			
17	11,300	7,700	9,420	---	---	---	17,900	9,400	13,800			
18	11,500	7,840	9,500	---	---	---	13,000	7,680	9,900			
19	11,300	8,180	9,590	---	---	---	18,400	8,670	13,800			
20	9,990	7,830	8,730	---	---	---	14,800	7,020	10,700			
21	8,720	5,830	7,030	---	---	---	15,900	7,020	11,200			
22	6,620	5,410	6,000	---	---	---	17,200	7,290	13,100			
23	6,700	4,770	5,700	2,690	1,980	2,340	19,600	9,820	15,400			
24	---	---	---	2,610	1,940	2,310	21,400	12,200	17,300			
25	---	---	---	2,960	1,910	2,340	22,700	13,600	18,600			
26	9,630	5,790	7,910	4,260	2,020	2,880	22,100	14,300	18,500			
27	9,380	6,520	7,870	5,140	2,140	3,380	22,000	14,500	17,700			
28	9,150	6,100	7,840	9,940	2,290	5,630	20,900	15,300	18,100			
29	11,000	6,550	8,800	12,400	2,420	6,800						
30	15,000	8,450	12,000	10,200	3,290	6,750						
31	---	---	---	8,740	3,380	5,880						
MONTH	---	---	---	---	---	---	---	---	---			

292859090004000 BARATARIA WATERWAY SOUTH OF LAFITTE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	5.9	3.4	4.8	1.4	0.9	1.2						
2	5.8	3.7	5.1	1.4	0.8	1.1						
3	25.4	5.6	19.2	5.5	1.3	2.3						
4	12.1	9.4	10.9	7.4	1.6	3.4						
5	9.7	6.2	7.6	7.9	4.8	6.5						
6	6.6	4.2	5.4	7.6	0.8	2.4						
7	4.6	3.2	3.7	1.7	0.7	1.1						
8	4.4	2.7	3.3	1.5	0.7	1.1						
9	4.8	3.6	4.2	1.8	1.0	1.4						
10	5.1	2.9	4.1	2.8	1.5	2.2						
11	4.2	1.8	3.0									
12	3.6	1.7	2.5									
13	2.6	1.6	1.9									
14	1.7	1.3	1.5									
15	2.0	1.3	1.7									
16	2.3	1.3	1.7									
17	7.4	1.4	3.8									
18	6.2	1.6	3.6									
19	7.1	4.9	6.2									
20	5.7	2.9	4.0									
21	5.7	1.9	3.2									
22	6.1	1.8	3.3									
23	7.9	2.4	4.7									
24	6.9	1.7	3.6									
25	6.5	2.6	4.4									
26	6.8	2.3	4.5									
27	6.2	2.4	4.2									
28	7.1	3.2	5.2									
29	7.8	2.8	4.9									
30	5.0	1.2	2.9									
31	1.4	1.0	1.2									
MONTH	25.4	1.0	4.5	---	---	---						
FEBRUARY			MARCH			APRIL			MAY			
1						1.5	1.3	1.4	14.4	10.7	12.7	
2						2.5	1.3	1.9	13.0	9.9	11.3	
3						5.0	2.4	3.6	12.3	9.0	10.5	
4						6.7	3.0	4.6	13.3	8.2	11.0	
5						7.3	3.0	5.1	16.3	13.2	15.0	
6						9.3	3.2	6.2	17.3	14.4	16.1	
7						9.1	5.0	7.1	18.4	15.3	17.3	
8						6.3	3.7	4.6	17.5	13.8	16.3	
9						3.8	0.9	1.9	17.4	14.2	16.3	
10						1.0	0.6	0.8	18.3	13.2	16.4	
11						2.0	0.5	1.0	17.7	11.9	14.1	
12						6.8	0.7	2.1	12.1	10.5	11.1	
13						8.0	1.4	4.1	15.3	10.5	12.5	
14						8.4	2.0	3.7	14.8	12.1	14.3	
15						7.8	1.2	2.9	14.7	12.5	14.0	
16						13.5	7.8	11.5	14.7	10.0	13.4	
17						12.9	7.9	10.4	15.0	11.9	14.0	
18						12.0	5.8	8.9	14.8	12.4	14.0	
19				13.5	10.9	12.5	14.4	5.8	10.3	11.1	13.5	
20				10.9	6.3	8.9	13.8	8.5	11.5	14.5	10.5	13.3
21				6.3	3.1	4.5	10.8	7.7	9.2	14.4	10.6	12.9
22				5.0	2.4	3.6	10.7	5.3	7.9	13.0	8.6	10.9
23				4.2	2.0	3.1	11.9	5.6	8.0	11.0	6.5	9.5
24				6.1	1.5	3.4	14.2	10.9	12.5	12.7	9.0	10.8
25				---	---	---	14.2	10.5	12.2	12.4	11.4	11.9
26				7.0	3.4	5.2	10.9	7.0	8.1	13.7	10.2	12.6
27				7.2	3.3	4.8	8.0	6.4	7.0	12.4	8.6	10.7
28				7.2	3.7	5.3	10.2	8.0	9.2	11.0	8.1	9.5
29				7.0	1.0	3.1	12.0	9.3	10.7	12.1	7.4	9.6
30				1.0	0.5	0.7	13.7	10.5	12.4	11.8	7.2	9.8
31				1.3	0.6	0.9	---	---	---	12.0	7.9	10
MONTH				---	---	---	14.4	0.5	6.7	18.4	6.5	12.8

292859090004000 BARATARIA WATERWAY SOUTH OF LAFITTE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

292859090004000 BARATARIA WATERWAY SOUTH OF LAFITTE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	29.4	28.4	28.8	22.6	20.9	21.7						
2	29.0	27.9	28.5	21.0	19.4	20.0						
3	27.9	26.9	27.2	20.4	18.8	19.7						
4	28.6	26.5	27.5	21.1	20.3	20.6						
5	29.1	28.1	28.6	21.4	20.9	21.1						
6	29.3	28.3	28.7	20.9	18.7	19.4						
7	29.3	28.8	29.0	18.9	17.7	18.1						
8	29.0	28.0	28.4	19.5	17.7	18.2						
9	28.6	27.9	28.2	20.5	18.3	19.2						
10	28.0	27.2	27.6									
11	27.9	26.8	27.3									
12	28.0	26.9	27.5									
13	27.6	25.8	26.9									
14	25.9	23.1	24.4									
15	23.4	22.6	23.0									
16	23.1	21.4	22.3									
17	23.2	20.9	21.9									
18	23.0	21.9	22.5									
19	24.1	22.1	22.9									
20	24.6	23.1	23.7									
21	24.6	23.5	23.9									
22	24.9	23.7	24.1									
23	24.9	24.2	24.5									
24	24.8	24.1	24.4									
25	24.8	24.4	24.6									
26	24.7	24.4	24.6									
27	25.9	24.3	24.9									
28	26.7	25.2	25.9									
29	26.5	25.0	25.8									
30	25.1	24.7	24.9									
31	24.8	22.4	23.6									
MONTH	29.4	20.9	25.7	---	---	---						
FEBRUARY			MARCH			APRIL			MAY			
1							17.6	15.7	16.4	27.4	25.8	26.6
2							18.4	16.8	17.5	28.4	27.2	27.8
3							19.3	17.8	18.5	29.4	28.0	28.6
4							22.1	19.0	20.4	29.1	28.3	28.7
5							23.8	21.4	22.4	28.5	27.3	27.9
6							24.4	23.1	23.7	28.1	27.2	27.7
7							25.2	24.1	24.6	28.5	27.3	27.9
8							24.2	21.4	23.1	28.7	27.4	28.0
9							21.4	15.1	18.3	28.8	27.4	28.2
10							15.1	13.4	14.2	28.8	27.4	28.2
11							16.4	14.0	15.1	29.2	27.6	28.4
12							19.2	15.2	16.7	29.1	27.6	28.2
13							21.2	17.3	18.9	27.6	26.5	27.1
14							21.2	19.3	20.0	28.3	26.2	27.0
15							23.5	19.8	21.6	28.4	27.0	27.8
16							23.5	21.8	22.6	29.0	27.6	28.2
17							24.6	23.0	23.8	28.9	27.8	28.2
18							26.1	24.4	25.0	28.4	27.7	28.0
19				23.1	21.9	22.4	25.5	24.9	25.2	28.3	27.6	28.0
20				22.7	21.8	22.4	25.8	24.2	25.0	28.3	26.9	27.6
21				21.8	20.6	21.1	26.4	25.1	25.6	27.9	27.1	27.4
22				21.4	19.8	20.6	25.6	24.8	25.3	27.5	26.6	26.9
23				21.7	20.1	20.9	25.3	24.3	24.8	27.3	25.4	26.4
24				22.8	20.2	21.4	25.1	24.1	24.6	28.2	25.8	27.0
25				---	---	---	26.4	24.5	25.1	29.1	27.2	28.1
26				22.0	20.9	21.5	25.8	24.5	25.1	29.6	27.5	28.4
27				22.6	20.5	21.6	26.1	23.9	24.7	29.4	27.8	28.6
28				23.8	21.7	22.6	26.7	24.2	25.3	28.8	27.1	27.6
29				23.5	18.1	21.1	26.4	24.9	25.5	28.6	26.6	27.4
30				18.1	15.4	16.2	26.6	25.0	25.7	28.2	26.6	27.5
31				16.4	14.8	15.6	---	---	---	28.2	26.9	27.6
MONTH				---	---	---	26.7	13.4	22.2	29.6	25.4	27.8

292859090004000 BARATARIA WATERWAY SOUTH OF LAFITTE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA

LOCATION.--Lat 29°43'19", long 89°48'59", Plaquemines Parish, Hydrologic Unit 08090203, on a four pipe platform, located 2.0 miles southwest of Delacroix.

PERIOD OF RECORD.--February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is assumed gage height.

REMARKS.--Site affected by wind and tide. Satellite telemetry at station. Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 8260 ft³/s, Feb. 25, 2003; Maximum recorded gage height, 8.82 ft, Sept. 26, 2002; maximum negative discharge, -11800 ft³/s, June 30, 2003; minimum recorded gage height, 1.98 ft, Jan. 26, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 8,260 ft³/s, Feb. 25; maximum gage height, 7.20 ft, June 30; maximum negative discharge, -11,800 ft³/s, June 30; minimum gage height, 1.98 ft, Jan. 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	39.0	142	---	724	1,230	1,030	-183	255	4,580	555	1,130
2	---	-1,730	---	---	530	2,810	-531	867	-642	2,400	719	1,200
3	---	---	---	---	40	-2,350	-764	683	182	2,120	501	1,160
4	---	---	---	---	1,670	642	-159	-653	-240	1,430	460	585
5	---	2,580	3,140	---	-1,410	1,480	-315	-1,760	-1,250	1,040	524	437
6	---	4,090	694	---	72	1,470	-1,190	-1,780	511	601	578	530
7	---	518	632	---	2,980	-412	674	-949	1,580	495	999	298
8	---	1,550	465	---	-282	826	-749	-566	1,090	484	-220	228
9	---	---	-503	---	-97	1,390	6,310	-363	1,050	934	-75	772
10	---	---	500	520	2,100	748	3,080	-299	516	1,430	218	-95
11	---	---	807	-491	88	215	500	1,940	422	915	208	-308
12	---	---	-1,370	---	485	---	460	184	22	163	-288	-1,820
13	---	---	3,070	---	-235	471	258	-454	110	-61	120	972
14	---	-224	---	---	-97	979	389	666	203	-1,570	-393	904
15	---	-618	---	---	-1,180	696	-289	416	217	-373	-1,960	615
16	---	---	---	---	2,670	-964	-996	-202	346	1,020	1,510	-410
17	---	---	---	---	1,710	1,430	1,270	-159	50	2,230	2,000	889
18	-600	---	---	---	-300	-1,340	-447	1,160	405	931	1,440	227
19	647	---	---	---	-79	872	-1,680	-274	863	1,590	1,180	834
20	-57	---	---	---	-483	2,080	-441	-536	1,040	776	675	270
21	60	---	---	---	-1,610	3,440	1,200	157	754	1,300	-431	-880
22	-161	---	---	---	6,020	995	35	1,510	531	851	-412	1,160
23	209	---	---	---	1.8	1,670	-477	220	479	518	-87	-225
24	464	---	---	---	1,540	1,340	-1,110	-130	145	0.33	-317	-241
25	-50	---	---	---	1,970	861	2,260	1,390	-1,180	-386	-226	-440
26	1,160	---	---	---	1,460	707	482	832	103	-457	739	-823
27	295	1,190	---	---	3,710	187	-494	-260	1,310	127	626	1,790
28	963	425	---	---	1,710	964	129	95	-407	454	-19	2,950
29	558	524	---	481	---	4,660	-426	1,590	-738	856	-1,280	-113
30	925	796	---	996	---	---	-831	1,080	-4,100	330	-1,800	-742
31	-472	---	---	972	---	---	---	1,030	---	594	-1,270	---
TOTAL	---	---	---	---	23,707.8	---	7,178	5,252	3,627	25,322.33	4,274	10,854
MEAN	---	---	---	---	847	---	239	169	121	817	138	362

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.00	3.88	---	3.90	4.82	3.44	4.86	3.28	5.72	4.01	5.60
2	---	5.05	3.94	---	3.86	4.54	3.87	4.61	3.68	5.17	4.00	5.43
3	---	---	4.00	---	4.10	5.07	4.29	4.43	3.96	4.96	4.06	5.33
4	---	---	4.27	---	3.86	5.42	4.44	4.45	4.10	4.80	3.99	5.25
5	---	4.95	4.30	---	4.38	4.90	4.58	4.67	4.53	4.76	3.97	5.24
6	---	4.01	3.92	---	4.60	4.66	4.83	4.81	4.81	4.87	3.87	5.27
7	---	4.22	3.92	---	3.89	5.04	4.85	4.87	4.45	4.96	3.61	5.24
8	---	4.11	3.86	---	4.12	4.87	5.16	4.78	4.24	4.93	3.91	5.29
9	---	---	4.26	---	4.29	4.61	4.32	4.82	4.11	4.80	4.22	5.16
10	---	---	4.64	3.52	4.06	4.51	3.26	4.77	4.02	4.58	4.27	5.08
11	---	---	4.20	3.87	3.95	4.48	3.37	4.33	3.93	4.43	4.30	5.14
12	---	---	4.38	---	4.05	---	3.58	4.20	4.03	4.56	4.46	5.40
13	---	---	4.54	---	3.94	4.60	3.78	4.39	4.25	4.64	4.52	5.23
14	---	4.14	---	---	4.16	4.52	3.86	4.40	4.27	5.03	4.66	5.02
15	---	4.37	---	---	4.50	4.46	3.97	4.27	4.35	5.17	5.07	5.10
16	---	---	---	---	4.35	4.85	4.42	4.20	4.35	4.93	5.01	5.20
17	---	---	---	---	3.51	4.84	4.16	4.30	4.49	4.62	4.69	5.06
18	4.74	3.44	---	---	3.81	5.05	4.21	3.99	4.57	4.45	4.47	5.06
19	4.80	---	---	---	4.09	5.19	4.59	4.02	4.52	4.12	4.39	4.96
20	4.76	3.85	---	---	4.22	4.90	4.74	4.28	4.34	4.02	4.33	4.92
21	4.80	---	---	---	4.84	4.44	4.49	4.40	4.26	3.75	4.61	5.25
22	4.93	---	---	---	4.30	4.45	4.49	4.28	4.31	3.52	4.94	5.18
23	4.99	---	---	---	4.01	4.47	4.55	4.48	4.29	3.38	5.04	5.25
24	4.96	---	---	---	4.33	4.35	4.93	4.46	4.44	3.63	5.12	5.34
25	5.08	---	---	---	4.40	4.32	4.46	4.19	4.80	4.11	5.15	5.44
26	4.98	---	---	---	4.66	4.45	4.41	4.06	4.96	4.38	5.00	5.64
27	5.01	4.11	---	---	4.55	4.87	4.74	4.21	4.81	4.40	4.92	5.48
28	4.89	4.15	---	---	4.59	4.99	4.62	4.34	4.97	4.40	4.95	5.12
29	4.90	3.85	---	4.05	---	4.57	4.72	3.92	5.27	4.25	5.16	5.30
30	4.82	3.72	---	4.08	---	---	4.88	3.59	6.05	4.25	5.53	5.56
31	4.91	---	---	4.19	---	---	---	3.42	---	4.10	5.85	---
MAX	---	---	---	---	4.84	---	5.16	4.87	6.05	5.72	5.85	5.64
MIN	---	---	---	---	3.51	---	3.26	3.42	3.28	3.38	3.61	4.92

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 2002 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 2002 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: February 2002 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Nov. 30 - Dec. 12, Mar. 22-Apr. 6, Apr. 9-11, and July 7-29 when records good.

SALINITY: Records excellent except for Nov. 30 - Dec. 12, Mar. 22-Apr. 6, Apr. 9-11, and July 7-29 when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 18,100 microsiemens, Aug. 31, 2003; minimum recorded, 377 microsiemens Mar. 27, 2003.

SALINITY: Maximum recorded, 10.7 ppt, Aug. 31, 2003; minimum recorded, 0.2 ppt, many times.

WATER TEMPERATURE: Maximum recorded, 34.6°C, July 17, 2002; minimum, 6.4°C Jan. 26, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 18,100 microsiemens/cm, Aug. 31; minimum, 377 microsiemens/cm, Mar. 27.

SALINITY: Maximum, 10.7 ppt, Aug. 31; minimum, 0.2 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 5; minimum, 6.4°C, Jan. 26.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	526	462	499	593	486	547	451	423	439	3,470	2,370	2,850
2	529	487	514	567	467	513	493	426	458	2,900	2,160	2,540
3	562	504	526	561	468	503	472	440	454	2,700	1,830	2,250
4	574	508	532	881	476	543	534	450	478	2,940	1,840	2,260
5	568	502	533	519	481	497	507	458	488	4,160	2,170	2,800
6	621	533	565	611	471	517	526	478	500	4,840	2,740	3,550
7	647	524	542	529	402	490	593	498	540	4,560	3,240	3,900
8	561	520	537	542	457	507	723	530	571	4,680	3,190	3,810
9	575	530	553	604	476	538	591	482	515	4,510	3,420	3,950
10	756	547	590	581	488	535	541	458	508	4,390	3,130	3,740
11	586	546	561	612	511	562	625	443	514	4,080	2,400	3,180
12	609	559	574	714	530	590	628	469	554	3,100	2,250	2,540
13	651	563	600	672	554	602	706	497	579	3,460	2,350	2,760
14	754	580	626	664	527	583	623	533	563	3,250	2,600	2,870
15	1,100	617	777	602	528	569	581	548	560	3,280	2,190	2,810
16	1,730	685	957	611	545	565	736	560	606	3,520	2,090	2,810
17	1,110	646	696	901	560	626	787	597	686	3,890	2,540	3,130
18	1,110	741	813	981	681	770	862	625	685	3,500	2,470	2,980
19	847	754	788	1,190	755	917	1,710	678	857	4,420	2,120	2,810
20	820	715	763	778	614	696	1,930	854	1,240	5,510	2,940	3,630
21	1,360	758	827	650	501	562	1,530	926	1,160	5,190	3,540	4,210
22	1,360	690	875	612	433	507	1,870	1,000	1,170	4,580	2,850	3,700
23	859	499	694	573	416	499	1,710	1,060	1,240	4,900	2,800	3,800
24	776	561	651	525	413	471	2,880	1,510	2,230	5,080	3,230	4,200
25	661	499	592	502	383	454	2,330	1,450	1,820	4,570	2,700	3,410
26	649	521	580	589	378	472	1,740	1,440	1,590	3,970	2,690	3,230
27	619	532	572	483	377	431	2,650	1,660	2,100	4,510	2,650	3,480
28	596	482	549	454	407	428	2,190	1,660	1,920	5,320	3,380	4,070
29	---	---	---	454	405	433	2,450	1,680	2,170	3,920	2,880	3,310
30	---	---	---	539	413	474	3,640	2,180	2,730	3,470	2,740	2,960
31	---	---	---	511	417	456	---	---	---	3,230	2,660	2,910
MONTH	1,730	462	639	1,190	377	544	3,640	423	998	5,510	1,830	3,240
JUNE			JULY			AUGUST			SEPTEMBER			
1	3,010	2,550	2,740	4,340	2,340	3,250	1,450	1,100	1,250	15,700	7,680	12,900
2	5,000	2,770	3,280	2,360	1,510	1,860	1,380	1,150	1,210	12,800	8,730	11,000
3	4,400	2,930	3,450	1,600	1,190	1,360	1,290	1,060	1,160	11,200	8,170	10,000
4	5,530	2,980	3,680	1,650	979	1,240	1,250	981	1,120	10,700	7,180	9,500
5	7,330	3,400	4,680	1,410	889	1,090	1,200	1,000	1,100	10,700	7,300	8,980
6	7,360	4,420	5,470	1,260	835	1,050	1,260	1,040	1,120	11,700	7,130	9,190
7	4,530	3,270	3,640	1,190	871	1,010	1,190	954	1,100	12,000	7,000	9,300
8	3,440	2,560	2,980	1,210	859	993	1,430	940	1,100	12,600	8,160	10,100
9	3,280	2,290	2,720	1,090	750	891	1,620	1,090	1,260	10,900	7,760	9,500
10	2,540	2,120	2,380	938	709	818	2,040	1,200	1,490	10,200	7,670	8,650
11	2,720	1,730	2,230	965	679	807	2,030	1,420	1,650	10,600	8,150	8,970
12	2,500	1,780	2,150	955	740	809	2,940	1,610	1,940	14,200	10,500	12,100
13	2,600	2,040	2,250	1,150	784	903	2,900	1,870	2,310	14,300	8,700	11,900
14	2,780	1,960	2,300	2,030	811	1,150	3,700	1,840	2,490	11,000	8,610	9,560
15	2,680	2,050	2,280	2,270	928	1,540	7,580	2,330	3,960	10,800	8,380	9,610
16	2,840	2,040	2,280	1,870	1,380	1,550	6,380	3,230	4,380	12,000	8,020	10,100
17	3,750	1,960	2,390	1,700	1,170	1,360	3,230	2,090	2,580	11,300	7,970	9,760
18	3,330	2,150	2,630	1,380	1,060	1,160	2,880	1,800	2,130	11,500	7,810	9,890
19	3,040	2,270	2,610	1,180	817	1,020	2,290	1,520	1,860	11,100	7,300	9,510
20	2,570	1,710	2,130	961	808	875	2,260	1,310	1,750	9,830	7,910	8,880
21	2,090	1,580	1,870	1,060	832	927	2,600	1,320	2,020	13,800	7,940	11,000
22	1,830	1,410	1,590	1,090	759	894	5,140	1,870	3,150	12,200	8,960	10,800
23	1,740	1,440	1,580	1,060	762	860	6,570	2,960	4,380	13,800	8,150	10,500
24	1,680	1,420	1,590	1,110	811	933	8,440	3,830	5,560	14,400	9,340	11,500
25	3,280	1,520	2,230	1,310	850	1,030	9,200	4,310	6,170	15,000	10,800	12,400
26	3,380	2,240	2,930	1,700	954	1,210	7,010	4,340	5,740	15,600	13,300	14,500
27	2,770	1,920	2,230	1,560	1,100	1,310	6,900	3,700	4,990	15,400	10,700	12,800
28	2,920	1,610	2,080	1,580	1,250	1,410	7,200	4,500	5,410	11,000	8,300	9,790
29	4,090	1,620	2,650	1,520	1,210	1,360	12,000	5,220	7,080	10,500	8,120	9,430
30	4,930	2,460	3,580	1,540	1,240	1,390	14,700	10,800	12,200	13,900	8,680	11,300
31	---	---	---	1,500	1,180	1,350	18,100	12,000	15,400	---	---	---
MONTH	7,360	1,410	2,690	4,340	679	1,210	18,100	940	3,520	15,700	7,000	10,400

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	2.5	1.8	2.1	1.0	0.9	1.0	---	---	---
2	---	---	---	---	---	---	1.1	1.0	1.0	---	---	---
3	---	---	---	---	---	---	1.1	1.0	1.0	---	---	---
4	---	---	---	---	---	---	1.2	1.0	1.1	---	---	---
5	---	---	---	2.9	1.9	2.3	1.1	0.7	1.0	---	---	---
6	---	---	---	2.0	1.6	1.8	1.0	0.7	0.8	---	---	---
7	---	---	---	2.2	1.6	1.8	0.8	0.7	0.8	---	---	---
8	---	---	---	1.7	1.6	1.7	0.8	0.7	0.7	---	---	---
9	---	---	---	---	---	---	0.8	0.7	0.7	---	---	---
10	---	---	---	---	---	---	1.6	0.7	1.0	0.5	0.3	0.4
11	---	---	---	---	---	---	1.0	0.7	0.8	0.4	0.3	0.3
12	---	---	---	---	---	---	0.9	0.7	0.8	---	---	---
13	---	---	---	---	---	---	1.5	0.8	1.0	---	---	---
14	---	---	---	1.7	1.4	1.5	---	---	---	---	---	---
15	---	---	---	1.7	1.5	1.6	---	---	---	---	---	---
16	---	---	---	1.7	1.3	1.5	---	---	---	---	---	---
17	2.1	2.0	2.0	1.6	1.4	1.5	---	---	---	---	---	---
18	2.1	1.9	2.0	1.6	1.4	1.5	---	---	---	---	---	---
19	2.2	2.0	2.1	1.7	1.4	1.5	---	---	---	---	---	---
20	2.2	2.0	2.1	1.6	1.5	1.5	---	---	---	---	---	---
21	2.2	2.1	2.1	1.6	1.4	1.5	---	---	---	---	---	---
22	2.5	2.1	2.2	1.5	1.3	1.4	---	---	---	---	---	---
23	2.7	2.2	2.3	1.5	1.3	1.4	---	---	---	---	---	---
24	2.8	2.2	2.4	1.4	1.3	1.4	---	---	---	---	---	---
25	3.2	2.3	2.6	1.5	1.4	1.4	---	---	---	---	---	---
26	2.8	2.1	2.4	1.5	1.4	1.4	---	---	---	---	---	---
27	2.8	2.2	2.5	1.4	1.2	1.4	---	---	---	---	---	---
28	2.7	2.0	2.4	1.4	1.2	1.3	---	---	---	---	---	---
29	2.6	2.0	2.2	1.2	1.1	1.2	---	---	---	0.3	0.2	0.3
30	2.1	1.8	2.0	1.2	0.9	1.1	---	---	---	0.3	0.2	0.3
31	2.1	1.8	1.9	---	---	---	---	---	---	0.3	0.2	0.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	1.8	1.2	1.5
2	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	1.5	1.1	1.3
3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	1.4	0.9	1.1
4	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.2	0.2	1.5	0.9	1.2
5	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	2.2	1.1	1.5
6	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	2.6	1.4	1.9
7	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3	2.4	1.7	2.1
8	0.3	0.3	0.3	0.3	0.2	0.2	0.4	0.3	0.3	2.5	1.7	2.0
9	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	2.4	1.8	2.1
10	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	2.3	1.6	2.0
11	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	2.2	1.2	1.7
12	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3	1.6	1.1	1.3
13	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	1.8	1.2	1.4
14	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.7	1.3	1.5
15	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	1.7	1.1	1.5
16	0.9	0.3	0.5	0.3	0.3	0.3	0.4	0.3	0.3	1.8	1.1	1.5
17	0.5	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	2.1	1.3	1.6
18	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.3	0.3	1.8	1.3	1.5
19	0.4	0.4	0.4	0.6	0.4	0.5	0.9	0.3	0.4	2.4	1.1	1.5
20	0.4	0.4	0.4	0.4	0.3	0.3	1.0	0.4	0.6	3.0	1.5	1.9
21	0.7	0.4	0.4	0.3	0.2	0.3	0.8	0.5	0.6	2.8	1.9	2.2
22	0.7	0.3	0.4	0.3	0.2	0.2	0.9	0.5	0.6	2.4	1.5	1.9
23	0.4	0.2	0.3	0.3	0.2	0.2	0.9	0.5	0.6	2.6	1.4	2.0
24	0.4	0.3	0.3	0.3	0.2	0.2	1.5	0.8	1.1	2.7	1.7	2.2
25	0.3	0.2	0.3	0.2	0.2	0.2	1.2	0.7	0.9	2.4	1.4	1.8
26	0.3	0.3	0.3	0.3	0.2	0.2	0.9	0.7	0.8	2.1	1.4	1.7
27	0.3	0.3	0.3	0.2	0.2	0.2	1.4	0.8	1.1	2.4	1.4	1.8
28	0.3	0.2	0.3	0.2	0.2	0.2	1.1	0.8	1.0	2.9	1.8	2.2
29	---	---	---	0.2	0.2	0.2	1.3	0.8	1.1	2.1	1.5	1.7
30	---	---	---	0.3	0.2	0.2	1.9	1.1	1.4	1.8	1.4	1.5
31	---	---	---	0.3	0.2	0.2	---	---	---	1.7	1.4	1.5
MONTH	0.9	0.2	0.3	0.6	0.2	0.3	1.9	0.2	0.5	3.0	0.9	1.7

MISSISSIPPI RIVER DELTA

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.6	1.3	1.4	2.3	1.2	1.7	0.7	0.5	0.6	9.1	4.2	7.4
2	2.7	1.4	1.7	1.2	0.8	0.9	0.7	0.6	0.6	7.4	4.9	6.2
3	2.3	1.5	1.8	0.8	0.6	0.7	0.6	0.5	0.6	6.3	4.5	5.6
4	3.0	1.5	1.9	0.8	0.5	0.6	0.6	0.5	0.6	6.1	3.9	5.3
5	4.0	1.8	2.5	0.7	0.4	0.5	0.6	0.5	0.5	6.1	4.0	5.0
6	4.0	2.4	2.9	0.6	0.4	0.5	0.6	0.5	0.5	6.6	3.9	5.1
7	2.4	1.7	1.9	0.6	0.4	0.5	0.6	0.5	0.5	6.8	3.8	5.2
8	1.8	1.3	1.5	0.6	0.4	0.5	0.7	0.5	0.5	7.2	4.5	5.7
9	1.7	1.2	1.4	0.5	0.4	0.4	0.8	0.5	0.6	6.2	4.3	5.3
10	1.3	1.1	1.2	0.5	0.3	0.4	1.0	0.6	0.7	5.8	4.2	4.8
11	1.4	0.9	1.1	0.5	0.3	0.4	1.0	0.7	0.8	6.0	4.5	5.0
12	1.3	0.9	1.1	0.5	0.4	0.4	1.5	0.8	1.0	8.2	6.0	6.9
13	1.3	1.0	1.1	0.6	0.4	0.4	1.5	0.9	1.2	8.3	4.8	6.8
14	1.4	1.0	1.2	1.0	0.4	0.6	1.9	0.9	1.3	6.2	4.8	5.4
15	1.4	1.0	1.2	1.2	0.5	0.8	4.2	1.2	2.1	6.1	4.6	5.4
16	1.5	1.0	1.2	0.9	0.7	0.8	3.5	1.7	2.3	6.8	4.4	5.7
17	2.0	1.0	1.2	0.9	0.6	0.7	1.7	1.1	1.3	6.4	4.4	5.5
18	1.7	1.1	1.4	0.7	0.5	0.6	1.5	0.9	1.1	6.5	4.3	5.6
19	1.6	1.2	1.3	0.6	0.4	0.5	1.2	0.8	0.9	6.3	4.0	5.3
20	1.3	0.9	1.1	0.5	0.4	0.4	1.2	0.7	0.9	5.5	4.4	5.0
21	1.1	0.8	0.9	0.5	0.4	0.5	1.3	0.7	1.0	7.9	4.4	6.3
22	0.9	0.7	0.8	0.5	0.4	0.4	2.8	0.9	1.6	7.0	5.0	6.1
23	0.9	0.7	0.8	0.5	0.4	0.4	3.6	1.5	2.3	7.9	4.5	6.0
24	0.8	0.7	0.8	0.5	0.4	0.5	4.7	2.0	3.0	8.3	5.2	6.6
25	1.7	0.8	1.1	0.7	0.4	0.5	5.1	2.3	3.4	8.7	6.1	7.1
26	1.8	1.1	1.5	0.9	0.5	0.6	3.8	2.3	3.1	9.1	7.6	8.4
27	1.4	1.0	1.1	0.8	0.5	0.7	3.8	1.9	2.7	9.0	6.1	7.4
28	1.5	0.8	1.1	0.8	0.6	0.7	4.0	2.4	2.9	6.2	4.6	5.5
29	2.2	0.8	1.4	0.8	0.6	0.7	6.8	2.8	3.9	6.0	4.5	5.3
30	2.6	1.3	1.9	0.8	0.6	0.7	8.6	6.1	7.0	8.0	4.8	6.4
31	---	---	---	0.8	0.6	0.7	10.7	6.8	9.0	---	---	---
MONTH	4.0	0.7	1.4	2.3	0.3	0.6	10.7	0.5	1.9	9.1	3.8	5.9

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	21.9	20.2	20.8	13.8	12.4	13.0	---	---	---
2	---	---	---	20.2	18.8	19.2	14.3	11.8	13.1	---	---	---
3	---	---	---	---	---	---	15.4	13.3	14.2	---	---	---
4	---	---	---	---	---	---	17.2	14.5	15.8	---	---	---
5	---	---	---	20.8	19.9	20.4	16.8	12.5	14.8	---	---	---
6	---	---	---	20.2	18.1	19.1	12.5	10.6	11.4	---	---	---
7	---	---	---	18.8	17.0	18.0	11.6	9.8	10.8	---	---	---
8	---	---	---	19.2	17.3	18.4	11.4	10.4	11.0	---	---	---
9	---	---	---	---	---	---	11.6	10.8	11.2	---	---	---
10	---	---	---	---	---	---	11.5	11.0	11.2	15.4	13.4	14.5
11	---	---	---	---	---	---	12.0	10.5	11.3	13.4	11.3	12.1
12	---	---	---	---	---	---	11.8	11.2	11.5	---	---	---
13	---	---	---	---	---	---	12.8	11.6	12.1	---	---	---
14	---	---	---	17.5	15.5	16.6	---	---	---	---	---	---
15	---	---	---	18.9	17.2	17.9	---	---	---	---	---	---
16	---	---	---	18.5	14.2	16.7	---	---	---	---	---	---
17	22.6	20.6	21.3	15.9	12.8	14.2	---	---	---	---	---	---
18	22.7	20.5	21.5	15.5	13.0	14.3	---	---	---	---	---	---
19	23.4	21.8	22.4	16.6	14.5	15.6	---	---	---	---	---	---
20	24.7	22.7	23.6	17.1	15.8	16.4	---	---	---	---	---	---
21	24.5	23.3	23.8	17.6	16.2	16.9	---	---	---	---	---	---
22	24.6	23.0	23.9	16.8	15.4	16.2	---	---	---	---	---	---
23	24.6	23.6	24.3	15.9	13.6	15.0	---	---	---	---	---	---
24	24.6	23.6	24.2	16.0	14.0	15.2	---	---	---	---	---	---
25	24.3	23.6	23.9	17.4	15.3	16.3	---	---	---	---	---	---
26	24.2	23.9	24.0	18.2	16.3	17.2	---	---	---	---	---	---
27	25.1	23.8	24.4	17.8	14.7	16.4	---	---	---	---	---	---
28	26.3	24.8	25.4	14.7	13.3	13.9	---	---	---	---	---	---
29	26.0	24.2	25.2	14.8	12.4	13.4	---	---	---	12.9	9.6	11.1
30	25.0	23.7	24.2	14.2	13.5	13.9	---	---	---	14.0	11.9	12.8
31	24.1	21.9	22.9	---	---	---	---	---	---	14.5	12.5	13.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	15.6	12.7	14.2	15.5	15.1	15.2	17.9	14.6	16.2	27.9	25.6	26.7
2	15.8	13.3	14.7	15.8	14.7	15.2	18.6	16.6	17.7	29.0	26.7	27.6
3	17.0	14.9	15.8	15.1	13.6	14.4	19.9	17.8	18.8	29.6	27.4	28.4
4	17.1	15.1	16.2	14.1	13.3	13.8	22.3	19.6	20.9	29.3	27.7	28.4
5	15.1	13.4	14.0	16.4	14.0	15.1	23.7	21.9	22.7	28.4	26.2	27.7
6	13.9	13.0	13.4	18.5	16.2	17.4	24.7	22.8	23.7	28.4	26.7	27.7
7	13.5	9.8	12.0	19.1	16.9	17.8	25.2	23.8	24.5	28.8	27.0	27.9
8	10.3	8.9	9.7	18.4	17.9	18.1	23.8	21.2	22.7	28.9	27.2	28.1
9	11.2	9.5	10.1	20.2	18.2	19.1	21.2	13.4	17.9	29.5	27.5	28.4
10	13.4	10.9	12.0	21.7	19.0	20.2	15.9	12.2	14.3	29.5	27.8	28.5
11	14.4	12.0	12.9	21.0	19.9	20.5	17.2	13.4	15.4	29.7	27.5	28.6
12	15.3	13.0	14.1	21.5	20.0	20.6	19.6	15.8	17.5	29.1	27.6	28.2
13	16.1	14.1	15.0	22.6	20.6	21.5	21.7	18.0	19.8	28.0	26.2	27.1
14	17.6	15.2	16.5	23.2	20.8	21.9	23.5	20.1	21.8	27.7	25.7	26.6
15	19.4	17.1	18.2	23.6	21.4	22.5	24.9	21.9	23.2	28.8	26.7	27.6
16	19.3	16.3	18.4	22.6	21.4	22.0	24.8	22.8	23.8	29.2	27.1	28.1
17	16.3	12.4	14.5	22.8	20.7	21.9	26.6	23.4	24.7	28.8	27.3	28.2
18	13.8	11.9	13.0	22.9	21.6	22.4	26.4	24.1	25.3	29.4	27.2	28.1
19	15.0	12.8	13.9	23.2	21.6	22.4	26.2	24.5	25.6	28.6	27.2	27.8
20	16.5	14.6	15.5	22.7	21.3	22.2	26.4	24.4	25.4	28.0	27.0	27.5
21	17.2	15.9	16.2	21.5	19.9	20.7	26.8	25.5	26.1	27.6	26.6	27.1
22	17.4	15.1	16.5	21.2	18.8	20.0	26.3	24.5	25.3	26.8	25.8	26.3
23	16.3	13.5	14.8	21.8	19.7	20.5	25.4	23.9	24.5	27.5	24.6	25.9
24	17.4	14.7	15.9	22.7	20.0	21.1	25.1	23.7	24.5	28.4	25.4	26.8
25	16.9	15.7	16.4	21.5	20.8	21.1	27.0	24.3	25.4	29.1	26.3	27.6
26	16.6	15.7	16.2	21.7	20.4	21.0	26.1	24.4	25.4	29.7	27.2	28.3
27	16.7	16.0	16.4	22.8	20.2	21.3	25.5	23.8	24.5	28.0	26.8	27.4
28	16.0	14.7	15.5	24.1	21.5	22.8	27.0	24.0	25.3	28.0	25.6	26.5
29	---	---	---	23.5	17.1	21.1	26.5	25.0	25.7	28.4	25.3	26.5
30	---	---	---	17.3	14.4	15.7	26.7	25.2	25.9	28.9	25.8	27.0
31	---	---	---	16.8	12.8	15.0	---	---	---	28.7	26.4	27.5
MONTH	19.4	8.9	14.7	24.1	12.8	19.5	27.0	12.2	22.5	29.7	24.6	27.6

MISSISSIPPI RIVER DELTA

294319089485900 ALLIGATOR PASS NEAR DELACROIX, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.4	26.6	28.0	26.8	25.4	26.0	30.8	29.3	29.9	29.8	27.8	28.7
2	30.1	28.0	29.2	28.9	26.4	27.5	30.4	29.0	29.5	31.2	28.7	29.9
3	28.6	27.1	28.0	29.0	27.9	28.4	29.5	28.2	29.0	31.8	29.9	30.8
4	29.2	27.0	28.0	28.9	27.8	28.2	31.8	28.6	30.0	31.3	30.2	30.7
5	29.0	27.3	28.3	27.8	26.3	27.1	33.0	29.0	31.0	30.3	28.8	29.5
6	28.4	26.6	27.4	29.1	25.6	27.3	31.4	29.9	30.7	30.1	27.5	28.5
7	29.4	26.6	27.5	28.7	27.8	28.2	30.5	28.7	29.8	29.5	28.2	28.8
8	30.7	28.0	29.0	28.7	27.2	27.9	31.2	28.8	29.9	29.9	28.2	28.9
9	32.3	29.2	30.4	30.9	28.1	29.1	31.7	29.6	30.4	29.3	28.2	28.6
10	31.5	30.1	30.8	32.8	29.6	30.6	32.2	29.9	31.0	29.2	27.5	28.2
11	30.6	28.5	29.5	31.0	29.8	30.4	31.5	30.3	31.0	29.6	27.8	28.4
12	29.9	28.4	29.2	30.9	29.0	30.0	30.7	28.8	29.6	29.0	27.8	28.4
13	30.5	27.7	29.1	30.4	29.2	29.9	29.0	27.5	28.2	29.0	27.3	28.2
14	31.1	29.0	30.1	29.9	28.1	28.7	29.5	26.7	28.1	30.6	27.9	29.3
15	31.1	29.2	30.1	30.1	27.6	28.8	29.9	28.3	29.2	30.1	28.8	29.4
16	31.4	29.1	30.1	31.4	29.1	29.8	30.1	28.9	29.5	29.0	27.6	28.1
17	30.4	28.8	29.4	31.3	29.5	30.2	30.1	29.1	29.5	29.1	26.6	27.8
18	30.4	28.3	29.1	30.3	28.7	29.4	31.6	28.7	29.9	29.3	27.7	28.3
19	29.8	28.7	29.2	31.7	29.5	30.6	32.4	29.3	30.3	30.2	28.0	28.8
20	29.0	28.1	28.5	30.7	29.1	29.8	30.5	29.4	29.8	29.0	28.0	28.5
21	29.1	28.2	28.5	31.2	28.5	29.7	30.0	29.0	29.4	28.0	27.2	27.6
22	30.5	28.1	29.1	31.2	29.2	30.2	29.7	28.5	29.1	27.7	26.5	27.1
23	32.5	29.7	30.8	30.5	28.5	29.4	30.1	28.6	29.4	27.5	25.8	26.8
24	32.4	30.9	31.6	29.2	28.1	28.6	30.9	29.0	29.9	27.7	26.4	27.1
25	32.0	30.4	31.0	30.3	28.0	28.9	31.1	29.5	30.3	27.6	26.7	27.2
26	31.0	29.6	30.2	31.1	28.5	29.7	32.2	29.8	30.7	28.4	26.7	27.3
27	30.1	28.6	29.3	31.1	29.4	30.3	31.6	30.6	31.2	28.7	27.1	27.9
28	29.7	27.9	28.8	30.9	29.3	30.0	31.3	30.0	30.6	28.0	25.4	26.9
29	29.8	28.1	29.0	31.0	29.2	29.9	31.4	29.6	30.5	25.4	22.8	23.6
30	28.9	25.7	27.2	30.5	29.4	30.1	30.4	29.2	29.7	22.8	20.8	21.6
31	---	---	---	31.1	29.4	30.2	29.2	28.2	28.6	---	---	---
MONTH	32.5	25.7	29.2	32.8	25.4	29.2	33.0	26.7	29.9	31.8	20.8	28.0

294638089472600 LAKE LERY NEAR DELACROIX, LA

LOCATION.--Lat 29°46'38", long 89°47'26", in sec. 33, T. 14 S., R. 14 E., St. Bernard Parish, Hydrologic Unit 08090203, on a four pipe platform, 2.0 miles northwest of Delacroix.

PERIOD OF RECORD.--March 2001 to current year.

GAGE.--Water-stage recorder and velocity meter. Datum of gage is 4.469 ft below NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 4,900 ft³/s, Feb. 22, 2003; maximum gage height, 10.41 ft, Sept. 26, 2002; maximum negative discharge, -5,030 ft³/s, Mar. 29, 2001; minimum gage height, 3.37 ft, Mar. 6, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 4,900 ft³/s, Feb. 22; maximum gage height, 9.42 ft, Oct. 3; maximum negative discharge, -4,400 ft³/s, June 30; minimum gage height, 3.63 ft, Jan. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	1,760	2,120	2,660	180	258	2,620	549	927
2	---	---	---	---	1,690	2,690	454	1,110	-424	3,480	550	1,440
3	---	---	---	---	1,100	820	-86	871	37	2,910	823	1,020
4	---	---	---	---	1,870	508	362	37	137	2,390	785	933
5	---	---	---	---	-9.9	1,880	317	-310	-198	1,840	522	440
6	---	---	---	---	661	1,590	71	-334	206	1,340	500	149
7	---	---	---	---	2,290	-308	880	53	2,050	725	986	113
8	---	---	---	---	639	915	2.4	292	2,060	744	-648	16
9	---	---	---	---	735	1,330	2,760	176	1,710	1,080	-491	755
10	---	---	---	---	1,810	656	2,950	514	1,150	1,390	-120	579
11	---	---	---	---	564	656	960	2,240	1,240	922	6.9	416
12	---	---	---	---	462	529	443	495	433	177	-255	-928
13	---	---	---	---	394	1,040	49	76	563	78	38	1,150
14	---	---	---	---	241	1,060	237	677	635	-900	-255	1,440
15	---	---	---	---	-573	579	7.4	446	545	-468	-1,240	401
16	---	---	---	---	1,350	-514	-729	247	713	811	519	-236
17	---	---	---	---	1,970	859	1,040	181	405	1,590	2,110	736
18	---	---	---	---	441	701	-286	1,190	432	1,140	2,030	324
19	---	---	---	---	1,190	1,820	-716	68	1,020	1,790	1,700	860
20	---	---	---	---	1,380	2,870	-213	-356	1,510	954	1,320	896
21	---	---	---	---	776	3,310	888	-182	1,370	1,560	-560	-367
22	---	---	---	---	3,260	2,790	192	836	902	926	-974	901
23	---	---	---	---	2,970	3,060	-22	-361	1,020	631	-600	222
24	---	---	---	---	2,830	3,050	-828	-15	424	-275	-568	111
25	---	---	---	---	2,430	2,970	1,730	1,470	-642	-675	-195	87
26	---	---	---	---	2,180	2,780	399	603	422	-364	698	-114
27	---	---	---	---	2,690	2,240	-618	-351	1,480	-16	495	1,410
28	---	---	---	---	2,470	2,730	391	-96	342	218	337	2,430
29	---	---	---	1,520	---	3,170	-35	1,480	-295	680	-586	440
30	---	---	---	1,410	---	3,780	-403	1,050	-1,300	343	-1,540	-213
31	---	---	---	1,360	---	3,290	---	998	---	666	-1,230	---
TOTAL	---	---	---	---	39,570.1	54,971	12,856.8	13,285	18,205	28,307	4,706.9	16,338

294638089472600 LAKE LERY NEAR DELACROIX, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.00	5.60	4.43	4.71	4.67	5.50	4.35	5.37	3.93	6.80	4.66	6.29
2	6.22	5.64	4.64	4.73	4.63	5.42	4.41	5.25	4.18	6.19	4.65	6.13
3	8.19	5.62	4.68	3.93	4.77	5.50	4.76	5.06	4.59	5.89	4.67	5.99
4	8.19	5.57	4.90	4.01	4.68	5.94	4.98	4.98	4.66	5.66	4.62	5.90
5	7.11	5.76	4.89	4.29	4.83	5.63	5.12	5.17	4.97	5.53	4.61	5.83
6	6.40	5.24	4.60	4.30	5.19	5.37	5.32	5.33	5.43	5.54	4.52	5.84
7	5.95	4.98	4.62	4.54	4.84	5.49	5.46	5.43	5.28	5.56	4.34	5.82
8	5.79	4.92	4.56	4.19	4.66	5.48	5.62	5.35	5.04	5.55	4.35	5.87
9	5.92	5.02	4.75	4.05	4.90	5.30	5.49	5.39	4.86	5.47	4.67	5.81
10	6.05	5.24	5.13	4.20	4.93	5.12	4.54	5.39	4.74	5.32	4.79	5.70
11	5.90	5.29	4.94	4.40	4.57	5.06	4.03	5.10	4.67	5.12	4.86	5.71
12	5.77	5.19	4.89	4.73	4.69	5.18	4.17	4.77	4.69	5.15	4.95	5.91
13	5.60	4.75	5.38	4.80	4.51	5.25	4.31	4.82	4.92	5.19	5.09	5.94
14	5.60	4.75	4.56	4.72	4.75	5.21	4.42	4.98	4.95	5.41	5.15	5.69
15	5.71	4.98	4.33	4.69	5.00	5.08	4.47	4.85	5.01	5.65	5.33	5.69
16	5.49	4.74	4.46	4.83	5.20	5.27	4.84	4.77	5.00	5.60	5.62	5.69
17	5.47	4.06	4.54	4.30	4.43	5.50	4.82	4.87	5.06	5.41	5.40	5.69
18	5.34	4.08	4.87	4.29	4.38	5.58	4.67	4.71	5.20	5.19	5.19	5.65
19	5.49	4.21	5.26	4.13	4.73	5.81	4.93	4.52	5.22	4.92	5.09	5.62
20	5.41	4.41	5.03	4.33	4.82	5.69	5.21	4.78	5.09	4.68	4.97	5.53
21	5.45	4.80	4.70	4.38	5.37	5.43	5.15	5.00	4.98	4.49	5.07	5.73
22	5.53	4.77	4.79	4.51	5.71	5.27	5.00	4.97	4.97	4.25	5.35	5.85
23	5.62	4.66	4.90	4.10	5.15	5.28	5.03	5.04	4.96	4.08	5.52	5.80
24	5.61	4.67	5.44	4.22	5.20	5.20	5.36	5.06	5.04	4.15	5.61	5.89
25	5.66	4.79	4.62	4.26	5.17	5.14	5.27	4.95	5.26	4.53	5.67	5.97
26	5.72	4.89	4.32	4.47	5.35	5.20	4.97	4.77	5.59	4.84	5.64	6.19
27	5.69	4.78	4.40	4.60	5.42	5.47	5.17	4.74	5.56	4.95	5.54	6.17
28	5.67	4.76	4.34	4.63	5.35	5.68	5.16	4.90	5.57	4.98	5.54	5.88
29	5.63	4.57	4.38	4.77	---	5.59	5.20	4.70	5.78	4.91	5.62	5.81
30	5.54	4.47	4.58	4.85	---	4.99	5.32	4.36	6.28	4.87	5.98	6.00
31	5.51	---	5.22	4.93	---	4.55	---	4.20	---	4.78	6.31	---
MAX	8.19	5.76	5.44	4.93	5.71	5.94	5.62	5.43	6.28	6.80	6.31	6.29
MIN	5.34	4.06	4.32	3.93	4.38	4.55	4.03	4.20	3.93	4.08	4.34	5.53

294905089525100 BAYOU MANDEVILLE NEAR CAERNARVON, LA

LOCATION.--Lat 29°49'05", long 89°52'51", in sec. 26, T. 14 S., R. 13 E., St. Bernard Parish, Hydrologic Unit 08090203, on a four pipe platform, located 3.0 miles south of Caernarvon, La.

PERIOD OF RECORD.--March 2001 to Oct. 2001 (site destroyed). Nov. 2001 to Aug. 2002 (site destroyed). Nov. 2002 to June 2003 (site destroyed).

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is assumed. Prior to Nov. 19, 2002 gage assumed at different datum. Prior to Oct. 2, 2001 datum of gage -5.288 ft NAVD 88.

REMARKS.--No estimated daily discharges. Records good except for May 28-June 29 when records poor. Site affected by wind and tide. Diversion upstream of gage. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 4430 ft³/s, Feb. 22, 2003; maximum gage height, 7.22 ft, Mar. 15, 2001; maximum negative discharge, -1,920 ft³/s, June 26, 2003; minimum gage height, 2.65 ft, Feb. 27, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 4,430 ft³/s, Feb. 22; maximum gage height, 5.20 ft, Mar. 4, June 29; maximum negative discharge, -1,920 ft³/s, June 26; minimum gage height, 2.86 ft, Jan. 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	1,120	1,620	2,080	3,530	2,660	-253	110	---	---	---
2	---	---	1,080	1,310	2,040	3,620	1,000	268	-232	---	---	---
3	---	---	1,210	1,560	1,960	2,770	-43	288	-253	---	---	---
4	---	---	1,110	997	2,190	613	76	-46	213	---	---	---
5	---	---	1,600	908	1,580	1,240	82	-430	407	---	---	---
6	---	---	1,560	1,090	1,390	1,180	188	-672	52	---	---	---
7	---	---	1,390	1,610	2,200	-28	251	-598	1,270	---	---	---
8	---	---	1,430	2,170	1,830	440	265	-194	1,510	---	---	---
9	---	---	894	2,180	1,630	854	1,570	-292	1,330	---	---	---
10	---	---	242	2,060	1,440	491	1,660	-255	945	---	---	---
11	---	---	1,040	1,750	398	237	951	741	894	---	---	---
12	---	---	886	1,530	89	484	352	380	768	---	---	---
13	---	---	1,440	1,770	72	612	36	25	768	---	---	---
14	---	---	1,740	2,320	-145	687	143	2.8	829	---	---	---
15	---	---	1,470	3,030	-626	299	-178	103	689	---	---	---
16	---	---	1,200	3,260	487	-320	-663	212	757	---	---	---
17	---	---	1,210	3,420	872	963	329	-17	597	---	---	---
18	---	---	1,060	3,200	1,280	2,680	-158	376	504	---	---	---
19	---	---	954	3,070	2,680	3,130	-693	48	752	---	---	---
20	---	277	1,820	2,860	2,870	3,530	-655	-258	1,060	---	---	---
21	---	1,350	1,760	2,890	2,810	3,860	262	-276	1,050	---	---	---
22	---	1,420	1,730	2,990	3,940	3,920	57	320	814	---	---	---
23	---	1,300	1,540	3,340	3,910	3,890	-268	-223	828	---	---	---
24	---	1,220	1,740	3,110	3,660	3,950	-934	-191	754	---	---	---
25	---	1,120	1,950	2,880	3,650	3,900	580	600	241	---	---	---
26	---	1,100	1,410	2,510	3,640	3,930	307	---	-137	---	---	---
27	---	1,370	1,160	2,200	3,720	3,970	-619	---	906	---	---	---
28	---	1,170	1,060	2,210	3,730	3,750	-50	---	650	---	---	---
29	---	1,350	974	2,100	---	3,590	-280	473	-139	---	---	---
30	---	1,340	745	1,990	---	3,980	-563	375	---	---	---	---
31	---	---	672	1,900	---	3,950	---	287	---	---	---	---
TOTAL	---	---	39,197	69,835	55,377	69,702	5,665	---	---	---	---	---

294905089525100 BAYOU MANDEVILLE NEAR CAERNARVON, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	3.61	3.91	3.93	4.86	3.80	4.58	3.10	---	---	---
2	---	---	3.86	3.82	3.89	4.81	3.69	4.47	3.34	---	---	---
3	---	---	3.92	3.16	4.00	4.85	4.02	4.27	3.78	---	---	---
4	---	---	4.12	3.19	3.89	5.10	4.18	4.22	3.88	---	---	---
5	---	---	4.02	3.47	4.07	4.83	4.31	4.41	4.25	---	---	---
6	---	---	3.79	3.49	4.40	4.56	4.60	4.57	4.64	---	---	---
7	---	---	3.85	3.77	4.05	4.64	4.68	4.66	4.52	---	---	---
8	---	---	3.79	3.52	3.89	4.66	4.83	4.60	4.28	---	---	---
9	---	---	3.94	3.35	4.12	4.46	4.57	4.63	4.08	---	---	---
10	---	---	4.21	3.44	4.08	4.27	3.76	4.63	3.97	---	---	---
11	---	---	4.13	3.63	3.72	4.26	3.24	4.37	3.90	---	---	---
12	---	---	4.14	3.98	3.83	4.36	3.33	4.00	3.92	---	---	---
13	---	---	4.40	4.05	3.69	4.45	3.49	4.06	4.15	---	---	---
14	---	---	3.81	4.03	3.90	4.35	3.61	4.19	4.17	---	---	---
15	---	---	3.55	4.10	4.15	4.24	3.68	4.04	4.23	---	---	---
16	---	---	3.67	4.18	4.23	4.43	4.04	4.00	4.22	---	---	---
17	---	---	3.75	3.79	3.55	4.64	3.97	4.05	4.30	---	---	---
18	---	---	4.10	3.75	3.60	4.86	3.87	3.88	4.42	---	---	---
19	---	---	4.45	3.66	4.05	5.07	4.20	3.72	4.43	---	---	---
20	---	3.57	4.21	3.74	4.19	5.01	4.45	3.99	4.31	---	---	---
21	---	3.98	3.98	3.78	4.74	4.83	4.34	4.19	4.20	---	---	---
22	---	3.95	4.03	3.89	4.88	4.71	4.22	4.14	4.19	---	---	---
23	---	3.89	4.19	3.60	4.68	4.72	4.32	4.21	4.17	---	---	---
24	---	3.91	4.52	3.69	4.66	4.67	4.60	4.25	4.25	---	---	---
25	---	4.01	3.82	3.72	4.61	4.64	4.43	4.18	4.49	---	---	---
26	---	4.11	3.56	3.84	4.75	4.67	4.13	---	4.79	---	---	---
27	---	3.96	3.59	3.96	4.79	4.88	4.37	---	4.78	---	---	---
28	---	3.95	3.53	3.98	4.78	5.06	4.38	---	4.81	---	---	---
29	---	3.78	3.58	4.03	---	4.91	4.43	3.88	5.01	---	---	---
30	---	3.67	3.80	4.08	---	4.45	4.54	3.53	---	---	---	---
31	---	---	4.31	4.14	---	4.16	---	3.33	---	---	---	---
MAX	---	---	4.52	4.18	4.88	5.10	4.83	---	---	---	---	---
MIN	---	---	3.53	3.16	3.55	4.16	3.24	---	---	---	---	---

2951190901217 LAKE CATAOUATCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA

LOCATION.--Lat 29°51'19", long 90°12'17", T. 14 S., R. 9 E., Jefferson Parish, Hydrologic Unit 08090302, located on a 4 ft x 4 ft platform, six miles southwest of Bayou Segnette State Park at Waggaman.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 2000 to Current Year.

GAGE.--Water-stage recorder. Datum of gage is 2.96 ft below NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.61 ft, Oct. 3, 2002; minimum recorded, 1.73 ft, Jan. 23, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.61 ft, Oct. 3; minimum gage height, 1.73 ft, Jan. 23.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	4.80	4.69	4.73	3.99	3.79	3.88	3.20	2.98	3.09	---	---	---
2	4.88	4.61	4.73	3.93	3.63	3.77	3.31	3.14	3.24	---	---	---
3	6.61	4.70	6.01	4.38	3.93	4.16	3.48	3.28	3.38	---	---	---
4	6.55	5.94	6.21	4.45	4.13	4.28	3.71	3.39	3.56	---	---	---
5	5.94	5.47	5.68	4.82	4.25	4.56	3.49	2.75	3.12	---	---	---
6	5.47	5.09	5.27	4.40	3.93	4.13	2.79	2.68	2.75	---	---	---
7	5.09	4.75	4.91	3.93	3.73	3.85	3.07	2.75	2.94	---	---	---
8	4.75	4.57	4.67	3.94	3.74	3.85	3.09	2.87	3.00	---	---	---
9	4.90	4.62	4.80	4.21	3.74	4.00	3.05	2.81	2.94	---	---	---
10	---	---	---	4.61	4.01	4.37	2.94	2.81	2.88	---	---	---
11	---	---	---	4.54	4.14	4.46	3.25	2.84	3.13	---	---	---
12	---	---	---	4.14	3.37	3.84	3.57	3.17	3.32	---	---	---
13	---	---	---	3.49	3.21	3.30	3.76	3.21	3.55	---	---	---
14	---	---	---	3.63	3.21	3.46	3.21	2.96	3.06	---	---	---
15	---	---	---	3.99	3.63	3.83	3.19	3.02	3.10	3.04	2.92	2.97
16	---	---	---	3.65	2.82	3.24	3.31	3.14	3.21	3.27	2.50	3.05
17	---	---	---	3.05	2.82	2.93	3.40	3.24	3.31	2.54	2.30	2.43
18	---	---	---	3.32	3.05	3.21	3.79	3.40	3.65	2.74	2.30	2.60
19	---	---	---	3.46	3.24	3.35	4.35	3.78	4.05	2.87	2.72	2.79
20	---	---	---	3.47	3.26	3.37	4.02	3.57	3.77	3.14	2.76	2.98
21	---	---	---	3.60	3.34	3.49	3.73	3.50	3.60	3.28	2.91	3.10
22	---	---	---	3.41	3.04	3.23	3.78	3.45	3.64	3.29	2.70	3.08
23	---	---	---	3.24	3.03	3.14	4.12	3.45	3.71	2.70	1.73	2.07
24	---	---	---	3.43	3.14	3.30	---	---	---	2.38	1.85	2.06
25	---	---	---	3.61	3.24	3.47	---	---	---	2.65	2.34	2.45
26	---	---	---	3.75	3.43	3.59	---	---	---	2.77	2.50	2.60
27	---	---	---	3.47	2.95	3.16	---	---	---	2.90	2.71	2.79
28	---	---	---	2.95	2.84	2.90	---	---	---	3.13	2.90	3.01
29	---	---	---	3.22	2.88	3.07	---	---	---	3.29	3.13	3.21
30	---	---	---	3.36	3.20	3.30	---	---	---	3.42	3.06	3.22
31	---	---	---	---	---	---	---	---	---	3.41	2.96	3.25
MONTH	---	---	---	4.82	2.82	3.62	---	---	---	---	---	---

2951190901217 LAKE CATAOUATCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3.20	2.96	3.11	3.70	3.51	3.60	3.49	3.18	3.34	4.39	4.07	4.22
2	3.33	3.11	3.24	3.65	3.28	3.50	3.68	3.28	3.46	4.30	4.06	4.18
3	3.54	3.21	3.42	3.46	3.28	3.38	4.11	3.62	3.82	4.27	4.01	4.14
4	3.50	2.95	3.15	3.85	3.46	3.75	4.12	3.86	4.00	4.62	4.10	4.29
5	3.06	2.86	2.95	4.20	3.78	3.99	4.20	3.92	4.03	4.98	4.59	4.79
6	3.61	3.06	3.35	4.16	3.77	3.99	4.48	4.05	4.26	5.24	4.98	5.06
7	3.36	2.53	2.78	3.88	3.67	3.76	4.46	4.22	4.35	5.25	5.12	5.18
8	2.85	2.52	2.63	3.98	3.72	3.82	4.52	4.14	4.37	5.17	4.98	5.06
9	---	---	---	3.98	3.68	3.82	4.14	3.49	3.79	5.11	4.98	5.03
10	---	---	---	3.89	3.56	3.69	3.49	3.14	3.33	5.19	5.02	5.12
11	---	---	---	3.88	3.61	3.73	3.35	3.09	3.17	5.25	4.66	5.01
12	---	---	---	4.06	3.77	3.89	3.38	3.20	3.30	4.66	4.17	4.37
13	3.43	3.25	3.32	4.07	3.80	4.00	3.45	3.27	3.36	4.17	3.74	4.00
14	3.62	3.43	3.56	4.15	3.70	3.92	3.51	3.35	3.42	4.39	4.08	4.24
15	4.08	3.58	3.87	3.99	3.77	3.87	3.48	3.31	3.37	4.37	4.13	4.24
16	4.07	3.40	3.82	4.16	3.99	4.05	4.08	3.46	3.80	4.52	4.11	4.27
17	3.43	3.06	3.25	4.23	4.01	4.14	3.98	3.79	3.87	4.69	4.35	4.54
18	3.33	3.09	3.23	4.52	4.14	4.30	3.96	3.62	3.79	4.58	4.12	4.31
19	3.47	3.22	3.37	4.57	4.38	4.48	4.14	3.73	3.92	4.32	4.00	4.16
20	3.53	3.31	3.41	4.49	4.35	4.43	4.27	4.06	4.16	4.25	3.97	4.12
21	4.64	3.44	3.88	4.36	3.97	4.12	4.27	3.81	3.98	4.29	3.99	4.07
22	4.66	3.70	4.27	3.97	3.66	3.80	3.92	3.66	3.77	4.00	3.55	3.73
23	3.96	3.64	3.77	3.90	3.59	3.71	3.98	3.69	3.79	3.56	3.28	3.42
24	4.00	3.70	3.82	3.86	3.53	3.67	4.55	3.98	4.32	3.78	3.42	3.52
25	3.87	3.47	3.62	3.96	3.70	3.81	4.61	4.10	4.39	3.83	3.64	3.73
26	3.87	3.56	3.69	3.97	3.58	3.80	4.10	3.59	3.85	4.00	3.73	3.81
27	3.96	3.57	3.73	4.15	3.85	3.95	3.77	3.57	3.66	3.76	3.50	3.57
28	3.79	3.47	3.63	4.23	4.10	4.18	3.99	3.77	3.89	3.61	3.30	3.45
29	---	---	---	4.21	3.23	3.67	4.14	3.90	4.02	3.64	3.35	3.47
30	---	---	---	---	---	---	4.32	4.04	4.17	3.73	3.32	3.50
31	---	---	---	3.20	2.76	2.94	---	---	---	3.74	3.46	3.60
MONTH	---	---	---	---	---	---	4.61	3.09	3.83	5.25	3.28	4.20
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.68	3.34	3.50	5.80	5.28	5.50	3.92	3.65	3.79	5.19	4.89	5.08
2	3.87	3.39	3.59	5.28	4.98	5.09	3.92	3.65	3.79	4.98	4.74	4.89
3	4.09	3.82	3.94	5.00	4.77	4.87	3.93	3.72	3.81	4.76	4.58	4.70
4	4.09	3.77	3.92	4.83	4.60	4.71	3.93	3.75	3.81	4.64	4.45	4.55
5	4.24	3.76	3.93	4.79	4.55	4.64	3.92	3.68	3.81	4.49	4.26	4.38
6	4.58	4.24	4.40	4.59	4.36	4.46	3.95	3.69	3.80	4.45	4.20	4.32
7	4.58	4.27	4.37	4.38	4.28	4.32	3.81	3.62	3.72	4.48	4.23	4.36
8	4.27	3.91	4.07	4.82	4.26	4.41	3.66	3.46	3.57	4.60	4.29	4.43
9	3.92	3.77	3.84	4.57	4.36	4.46	3.77	3.47	3.60	4.66	4.35	4.50
10	4.16	3.82	3.97	4.51	4.28	4.35	3.81	3.52	3.66	4.59	4.37	4.48
11	4.22	3.96	4.08	4.35	4.12	4.23	3.90	3.62	3.74	4.64	4.46	4.55
12	4.38	4.09	4.20	4.49	4.09	4.24	---	---	---	4.93	4.61	4.75
13	4.41	4.04	4.22	4.52	4.02	4.31	---	---	---	4.97	4.72	4.88
14	4.40	4.11	4.23	4.66	4.35	4.48	---	---	---	4.72	4.37	4.53
15	4.32	4.02	4.14	4.77	4.53	4.65	3.98	3.54	3.72	4.42	4.18	4.34
16	4.16	3.92	4.04	4.71	4.44	4.55	4.19	3.95	4.05	4.31	4.12	4.22
17	4.14	3.89	4.02	4.52	4.25	4.39	4.21	4.01	4.12	4.43	4.23	4.32
18	4.17	3.88	4.01	4.35	4.11	4.23	4.05	3.87	3.99	4.48	4.26	4.37
19	4.29	3.95	4.08	4.28	3.94	4.08	4.14	3.88	4.01	4.53	4.30	4.43
20	4.27	4.02	4.11	3.97	3.72	3.87	4.11	3.83	3.95	4.38	4.23	4.32
21	4.17	4.04	4.09	3.85	3.69	3.75	4.01	3.76	3.88	4.64	4.16	4.40
22	4.18	3.96	4.04	3.85	3.65	3.72	4.05	3.78	3.90	4.67	4.41	4.48
23	4.13	3.95	4.02	3.85	3.64	3.72	4.21	3.83	4.01	4.43	4.23	4.33
24	4.22	3.96	4.05	3.81	3.52	3.66	4.31	4.00	4.15	4.49	4.20	4.34
25	4.29	4.00	4.14	3.83	3.50	3.64	4.45	4.06	4.25	4.49	4.22	4.33
26	4.46	4.16	4.28	3.94	3.44	3.71	4.50	4.23	4.37	4.82	4.49	4.64
27	4.45	4.19	4.32	4.00	3.61	3.81	4.46	4.19	4.33	4.87	4.68	4.77
28	4.48	4.21	4.33	4.06	3.71	3.88	4.49	4.30	4.39	4.72	3.99	4.40
29	4.74	4.29	4.49	4.04	3.74	3.88	4.63	4.28	4.39	4.01	3.80	3.94
30	6.33	4.60	5.17	4.08	3.72	3.91	4.94	4.62	4.80	4.04	3.79	3.94
31	---	---	---	4.03	3.79	3.91	5.18	4.88	5.05	---	---	---
MONTH	6.33	3.34	4.12	5.80	3.44	4.24	---	---	---	5.19	3.79	4.47

2951190901217 LAKE CATAOUCTCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2000 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 2000 to current year.

WATER TEMPERATURE: November 2000 to current year.

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

REMARKS.-- Specific Conductance: Record excellent, except for Jan. 21-Feb. 2 and Feb. 29-Mar. 27 when records good; Feb. 3-12 when records fair. Water Temperature: Record good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 9,820 microsiemens/cm, Nov. 8, 2000; minimum recorded, 451 microsiemens/cm, July 9, 2003.

WATER TEMPERATURE: Maximum recorded, 35.4°C, July 28, 2002; minimum recorded, 3.3°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,900 microsiemens/cm, Oct. 3; minimum, 451 microsiemens/cm, July 9.

SALINITY: Maximum, 1.5 ppt, Oct. 3; minimum, 0.2 ppt, on several days.

WATER TEMPERATURE: Maximum, 33.9°C, June 23; minimum, 5.2°C, Jan. 24.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1,000	838	914	1,030	920	975	886	850	868	---	---	---
2	947	831	897	963	753	808	1,010	844	877	---	---	---
3	2,900	775	1,540	969	787	836	996	847	884	---	---	---
4	2,680	1,120	1,590	960	733	815	933	846	867	---	---	---
5	1,390	1,140	1,290	985	742	831	1,130	774	945	---	---	---
6	1,350	1,010	1,210	1,000	913	959	1,000	808	880	---	---	---
7	1,360	980	1,130	1,010	960	992	1,010	842	910	---	---	---
8	1,360	1,140	1,200	1,040	949	991	891	839	864	---	---	---
9	1,210	1,040	1,090	1,030	982	1,010	1,020	858	925	---	---	---
10	---	---	---	1,020	911	974	1,250	845	1,060	---	---	---
11	---	---	---	1,000	915	934	1,170	924	1,030	---	---	---
12	---	---	---	1,060	893	976	1,050	885	974	---	---	---
13	---	---	---	1,120	946	1,050	933	612	794	---	---	---
14	---	---	---	1,110	861	930	925	664	846	---	---	---
15	---	---	---	1,120	799	854	897	722	768	750	709	730
16	---	---	---	1,180	854	1,040	937	779	829	1,150	696	798
17	---	---	---	1,080	835	912	937	820	839	1,150	731	890
18	---	---	---	973	921	949	855	713	823	1,150	780	905
19	---	---	---	1,130	919	983	715	646	673	789	716	744
20	---	---	---	1,090	899	967	924	506	710	795	731	774
21	---	---	---	1,250	1,000	1,120	866	552	658	838	794	803
22	---	---	---	1,170	1,080	1,140	812	661	712	928	827	852
23	---	---	---	1,140	976	1,110	901	789	824	1,070	891	1,010
24	---	---	---	976	862	888	---	---	---	1,010	918	979
25	---	---	---	979	871	905	---	---	---	933	917	925
26	---	---	---	1,000	872	922	---	---	---	931	921	926
27	---	---	---	1,180	853	1,040	---	---	---	930	860	905
28	---	---	---	1,120	873	973	---	---	---	861	770	831
29	---	---	---	957	823	871	---	---	---	843	815	829
30	---	---	---	873	850	861	---	---	---	864	836	850
31	1,020	965	993	---	---	---	---	---	---	876	851	862
MONTH	---	---	---	1,250	733	954	---	---	---	---	---	---

2951190901217 LAKE CATAOUCTCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	890	876	885	890	704	769	765	667	729	502	463	480
2	887	868	881	905	677	738	850	701	754	537	496	517
3	868	818	846	1,080	632	748	883	778	845	581	520	544
4	844	798	829	799	619	660	898	771	825	599	557	586
5	831	807	820	812	682	715	899	788	845	649	515	582
6	808	736	773	882	681	729	863	711	780	1,060	578	638
7	794	731	771	747	626	677	775	671	722	1,000	650	810
8	773	749	759	867	649	681	748	555	684	954	522	770
9	---	---	---	747	664	678	680	532	607	1,040	549	800
10	---	---	---	819	645	715	730	666	691	697	496	559
11	---	---	---	784	645	698	734	653	712	631	489	543
12	---	---	---	829	688	740	664	582	627	680	549	609
13	673	602	637	1,150	669	789	608	557	582	772	570	680
14	754	622	685	1,090	773	875	672	535	589	685	582	618
15	754	646	689	949	651	765	671	548	603	695	599	632
16	907	648	728	678	633	653	619	585	600	675	569	624
17	954	747	849	744	634	678	615	458	558	816	583	685
18	893	660	706	797	627	692	646	459	519	851	643	740
19	745	686	719	682	627	657	584	488	528	728	633	684
20	733	682	715	719	647	678	582	522	551	718	698	707
21	1,080	638	770	834	647	721	575	537	555	765	677	713
22	914	626	692	882	701	765	604	516	560	803	723	772
23	732	616	679	827	700	746	594	496	535	834	749	784
24	813	616	675	903	698	777	616	453	513	849	749	794
25	902	673	754	740	706	718	633	464	533	768	663	703
26	880	692	781	973	707	797	659	519	617	683	610	642
27	999	665	811	943	652	773	625	494	536	736	625	671
28	937	690	849	737	648	676	503	481	490	763	617	687
29	---	---	---	895	713	770	489	460	473	783	607	664
30	---	---	---	---	---	---	478	460	469	739	613	671
31	---	---	---	983	752	841	---	---	---	711	646	667
MONTH	---	---	---	---	---	---	899	453	621	1,060	463	664
JUNE				JULY			AUGUST			SEPTEMBER		
1	686	605	643	1,300	850	1,110	827	746	785	578	493	531
2	695	647	671	1,110	784	941	786	604	725	573	497	531
3	737	647	693	1,130	700	883	882	636	765	617	532	565
4	825	669	740	1,090	709	888	904	701	812	646	588	624
5	680	658	668	1,110	717	928	862	537	727	723	621	657
6	764	676	699	969	707	859	855	637	729	742	613	660
7	807	682	768	922	601	752	872	599	765	672	639	648
8	973	762	819	835	516	695	819	603	687	689	649	676
9	992	802	872	816	451	603	777	724	746	694	672	683
10	1,290	878	1,120	688	571	621	800	749	778	717	649	683
11	1,580	1,240	1,360	618	548	587	805	776	795	736	626	657
12	1,650	1,240	1,400	644	583	616	---	---	---	670	557	602
13	1,550	1,400	1,490	719	636	668	---	---	---	689	596	651
14	1,490	1,320	1,410	716	650	685	---	---	---	723	635	678
15	1,430	1,370	1,400	655	557	599	813	780	791	714	684	699
16	1,410	1,270	1,380	869	583	660	880	768	803	710	676	692
17	1,430	1,220	1,320	811	690	742	909	762	799	685	651	666
18	1,370	1,170	1,290	826	685	752	908	770	826	686	654	672
19	1,370	1,120	1,300	823	663	733	926	781	841	716	669	693
20	1,340	1,180	1,280	679	631	666	921	769	824	721	698	709
21	1,300	1,220	1,270	683	656	670	889	780	795	732	691	711
22	1,310	1,240	1,300	712	642	655	831	787	802	737	691	718
23	1,410	1,250	1,320	673	531	612	858	795	815	750	707	729
24	1,400	1,340	1,380	646	598	633	817	807	812	786	737	757
25	1,380	1,260	1,350	778	635	695	866	794	816	791	764	776
26	1,350	1,230	1,300	774	713	744	825	775	806	791	759	781
27	1,330	1,200	1,290	---	---	---	834	788	815	791	758	776
28	1,330	1,200	1,260	---	---	---	809	686	736	822	773	797
29	1,290	1,130	1,200	---	---	---	765	654	705	837	802	813
30	1,330	1,020	1,140	---	---	---	659	524	573	859	778	820
31	---	---	---	---	---	---	593	490	542	---	---	---
MONTH	1,650	605	1,140	---	---	---	---	---	---	859	493	688

2951190901217 LAKE CATAOUCTCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	---	---	---
2	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.4	---	---	---
3	1.5	0.4	0.8	0.5	0.4	0.4	0.5	0.4	0.4	---	---	---
4	1.4	0.6	0.8	0.5	0.4	0.4	0.5	0.4	0.4	---	---	---
5	0.7	0.6	0.6	0.5	0.4	0.4	0.6	0.4	0.5	---	---	---
6	0.7	0.5	0.6	0.5	0.4	0.5	0.5	0.4	0.4	---	---	---
7	0.7	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4	---	---	---
8	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	---	---	---
9	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	---	---	---
10	---	---	---	0.5	0.4	0.5	0.6	0.4	0.5	---	---	---
11	---	---	---	0.5	0.4	0.5	0.6	0.5	0.5	---	---	---
12	---	---	---	0.5	0.4	0.5	0.5	0.4	0.5	---	---	---
13	---	---	---	0.6	0.5	0.5	0.5	0.3	0.4	---	---	---
14	---	---	---	0.5	0.4	0.5	0.5	0.3	0.4	---	---	---
15	---	---	---	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4
16	---	---	---	0.6	0.4	0.5	0.5	0.4	0.4	0.6	0.3	0.4
17	---	---	---	0.5	0.4	0.4	0.5	0.4	0.4	0.6	0.4	0.4
18	---	---	---	0.5	0.5	0.5	0.4	0.4	0.4	0.6	0.4	0.4
19	---	---	---	0.6	0.5	0.5	0.4	0.3	0.3	0.4	0.4	0.4
20	---	---	---	0.5	0.4	0.5	0.5	0.2	0.3	0.4	0.4	0.4
21	---	---	---	0.6	0.5	0.6	0.4	0.3	0.3	0.4	0.4	0.4
22	---	---	---	0.6	0.5	0.6	0.4	0.3	0.3	0.5	0.4	0.4
23	---	---	---	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.5
24	---	---	---	0.5	0.4	0.4	---	---	---	0.5	0.5	0.5
25	---	---	---	0.5	0.4	0.4	---	---	---	0.5	0.5	0.5
26	---	---	---	0.5	0.4	0.5	---	---	---	0.5	0.5	0.5
27	---	---	---	0.6	0.4	0.5	---	---	---	0.5	0.4	0.4
28	---	---	---	0.6	0.4	0.5	---	---	---	0.4	0.4	0.4
29	---	---	---	0.5	0.4	0.4	---	---	---	0.4	0.4	0.4
30	---	---	---	0.4	0.4	0.4	---	---	---	0.4	0.4	0.4
31	---	---	---	---	---	---	---	---	---	0.4	0.4	0.4
MONTH	---	---	---	0.6	0.4	0.5	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.2	0.2	0.2
2	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.3	0.2	0.3
3	0.4	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3
4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
5	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3
6	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.3	0.3
7	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.5	0.3	0.4
8	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.5	0.3	0.4
9	---	---	---	0.4	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.4
10	---	---	---	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.3
11	---	---	---	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3
12	---	---	---	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
13	0.3	0.3	0.3	0.6	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3
14	0.4	0.3	0.3	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
15	0.4	0.3	0.3	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
16	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3
18	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.4
19	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3
20	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
21	0.5	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3
22	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4
23	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.2	0.3	0.4	0.4	0.4
24	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.2	0.3	0.4	0.4	0.4
25	0.4	0.3	0.4	0.4	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.3
26	0.4	0.3	0.4	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
27	0.5	0.3	0.4	0.5	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.3
28	0.5	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.3	0.3
29	---	---	---	---	---	---	---	---	---	0.4	0.3	0.3
30	---	---	---	---	---	---	0.2	0.2	0.2	0.4	0.3	0.3
31	---	---	---	---	---	---	---	---	---	0.3	0.3	0.3
MONTH	---	---	---	---	---	---	---	---	---	0.5	0.2	0.3

2951190901217 LAKE CATAOUCTCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.3	0.3	0.3	0.6	0.4	0.5	0.4	0.4	0.4	0.3	0.2	0.3
2	0.3	0.3	0.3	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.2	0.3
3	0.4	0.3	0.3	0.6	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.3
4	0.4	0.3	0.4	0.5	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.3
5	0.3	0.3	0.3	0.5	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.3
6	0.4	0.3	0.3	0.5	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.3
7	0.4	0.3	0.4	0.5	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.3
8	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
9	0.5	0.4	0.4	---	---	---	0.4	0.4	0.4	0.3	0.3	0.3
10	0.6	0.4	0.6	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3
11	0.8	0.6	0.7	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3
12	0.8	0.6	0.7	0.3	0.3	0.3	---	---	---	0.3	0.3	0.3
13	0.8	0.7	0.7	0.4	0.3	0.3	---	---	---	0.3	0.3	0.3
14	0.7	0.7	0.7	0.4	0.3	0.3	---	---	---	0.4	0.3	0.3
15	0.7	0.7	0.7	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3
16	0.7	0.6	0.7	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
17	0.7	0.6	0.7	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3
18	0.7	0.6	0.6	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3
19	0.7	0.6	0.6	0.4	0.3	0.4	0.5	0.4	0.4	0.4	0.3	0.3
20	0.7	0.6	0.6	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.3	0.3
21	0.6	0.6	0.6	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3
22	0.7	0.6	0.6	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4
23	0.7	0.6	0.7	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4
24	0.7	0.7	0.7	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
25	0.7	0.6	0.7	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
26	0.7	0.6	0.6	---	---	---	0.4	0.4	0.4	0.4	0.4	0.4
27	0.7	0.6	0.6	---	---	---	0.4	0.4	0.4	0.4	0.4	0.4
28	0.7	0.6	0.6	---	---	---	0.4	0.3	0.4	0.4	0.4	0.4
29	0.6	0.6	0.6	---	---	---	0.4	0.3	0.3	0.4	0.4	0.4
30	0.7	0.5	0.6	---	---	---	0.3	0.3	0.3	0.4	0.4	0.4
31	---	---	---	---	---	---	0.3	0.2	0.3	---	---	---
MONTH	0.8	0.3	0.6	---	---	---	---	---	---	0.4	0.2	0.3

2951190901217 LAKE CATAOUCTCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.6	27.1	27.7	21.9	20.1	21.0	14.6	12.9	13.5	---	---	---
2	28.6	27.4	28.0	20.1	18.4	19.5	15.4	11.8	13.3	---	---	---
3	27.7	26.4	26.7	19.6	18.7	19.1	15.5	13.9	14.7	---	---	---
4	27.8	26.1	26.8	20.3	19.6	19.9	16.8	14.5	15.6	---	---	---
5	27.8	27.2	27.4	20.8	20.0	20.5	16.7	12.1	14.8	---	---	---
6	30.6	26.8	28.2	20.7	18.8	19.3	12.9	11.0	11.8	---	---	---
7	29.6	28.2	28.8	19.3	17.5	18.3	11.9	10.2	11.1	---	---	---
8	28.2	27.2	27.7	19.9	17.6	18.4	11.6	10.8	11.2	---	---	---
9	27.5	27.2	27.4	20.2	18.6	19.4	11.7	10.9	11.3	---	---	---
10	---	---	---	22.5	19.6	20.9	12.1	11.5	11.8	---	---	---
11	---	---	---	22.6	21.7	22.1	11.7	10.7	11.3	---	---	---
12	---	---	---	22.3	19.4	21.1	12.2	10.8	11.4	---	---	---
13	---	---	---	19.4	16.2	17.2	13.3	11.6	12.3	---	---	---
14	---	---	---	18.9	16.4	17.4	13.2	11.6	12.4	---	---	---
15	---	---	---	19.1	17.9	18.5	15.3	11.5	13.0	11.4	9.1	10.1
16	---	---	---	19.0	14.2	16.7	16.3	13.0	14.3	12.5	10.2	11.1
17	---	---	---	14.8	12.9	13.9	16.6	14.2	15.2	11.6	8.4	9.5
18	---	---	---	15.7	13.2	14.4	17.9	15.0	16.2	10.4	7.6	8.8
19	---	---	---	16.3	14.9	15.6	18.2	16.9	17.5	10.9	7.6	9.1
20	---	---	---	17.0	15.8	16.4	17.4	15.6	16.6	12.9	9.6	11.0
21	---	---	---	18.0	16.1	17.1	16.0	14.1	15.3	13.9	10.9	12.3
22	---	---	---	17.3	15.8	16.6	17.6	15.3	16.3	14.6	13.0	13.8
23	---	---	---	16.8	14.6	15.7	17.4	16.6	17.0	14.5	7.2	10.9
24	---	---	---	16.6	14.3	15.4	---	---	---	7.6	5.2	6.6
25	---	---	---	18.0	15.6	16.6	---	---	---	7.5	5.4	6.5
26	---	---	---	18.5	16.5	17.4	---	---	---	7.8	7.1	7.4
27	---	---	---	18.4	15.2	16.7	---	---	---	9.4	7.0	8.0
28	---	---	---	15.2	13.4	14.1	---	---	---	10.2	8.5	9.1
29	---	---	---	15.2	12.2	13.7	---	---	---	13.4	9.6	11.2
30	---	---	---	15.3	13.8	14.5	---	---	---	12.9	11.6	12.3
31	23.0	21.8	22.4	---	---	---	---	---	---	13.7	11.7	12.5
MONTH	---	---	---	22.6	12.2	17.6	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	14.9	12.0	13.4	15.6	15.3	15.5	19.7	16.7	18.3	28.7	25.8	27.2
2	16.0	13.3	14.6	16.5	15.0	15.7	19.2	17.2	18.4	29.4	27.4	28.3
3	16.2	14.5	15.2	15.8	13.5	14.6	20.0	17.9	18.9	29.8	27.8	28.9
4	16.0	14.8	15.4	14.3	13.5	13.9	23.1	19.5	21.2	29.6	27.8	28.8
5	14.9	12.7	13.6	16.1	14.3	15.1	24.0	22.3	23.2	28.4	26.8	27.7
6	13.4	12.4	12.9	16.9	15.9	16.5	24.9	23.3	24.0	28.5	26.8	27.7
7	13.0	10.5	11.7	16.8	15.9	16.3	25.2	23.5	24.5	28.6	26.9	27.8
8	10.8	9.2	10.2	17.6	16.4	16.9	23.5	19.4	21.9	29.0	27.0	28.1
9	---	---	---	18.8	17.0	17.8	19.4	13.9	16.4	29.3	27.4	28.3
10	---	---	---	19.4	17.8	18.4	16.9	12.9	14.8	29.5	27.3	28.2
11	---	---	---	19.4	17.8	18.6	19.0	15.0	16.8	30.0	27.5	28.6
12	---	---	---	20.6	18.8	19.5	21.5	16.9	18.8	29.4	27.8	28.5
13	17.4	15.4	16.3	21.3	19.7	20.4	23.8	18.6	20.6	28.2	26.7	27.4
14	18.2	15.6	16.8	21.9	19.7	20.7	25.6	22.0	23.5	28.4	26.0	27.2
15	18.9	16.9	17.8	23.4	19.8	21.2	26.3	23.0	24.5	28.6	27.0	27.9
16	18.8	16.0	17.8	21.3	20.1	20.8	25.4	23.1	24.3	29.7	27.2	28.3
17	16.0	12.6	14.1	22.8	20.1	21.4	26.7	23.3	24.9	29.0	27.6	28.3
18	15.2	12.0	13.4	22.9	21.8	22.3	27.3	24.7	26.0	29.1	27.4	28.4
19	16.2	13.4	14.7	22.8	21.2	22.1	26.6	25.2	25.9	29.7	27.7	28.6
20	17.2	15.4	16.3	22.4	20.8	21.6	26.8	24.5	25.8	29.1	27.8	28.5
21	16.9	16.1	16.6	22.4	19.0	20.9	27.1	25.4	26.3	29.6	27.8	28.5
22	16.7	13.9	15.9	21.5	19.7	20.5	26.8	25.1	26.1	28.5	27.1	27.5
23	16.4	13.1	14.8	23.4	20.1	21.4	26.2	24.6	25.3	28.3	25.8	26.9
24	18.9	14.9	16.2	24.1	20.8	22.4	25.5	24.3	25.0	30.5	26.4	28.4
25	18.1	16.3	17.0	22.8	21.8	22.4	27.1	24.3	25.6	30.8	27.8	29.4
26	17.0	16.5	16.7	22.1	20.8	21.4	26.8	25.0	26.1	30.6	28.1	29.4
27	16.8	16.0	16.4	24.0	19.4	21.8	26.9	23.6	25.3	29.7	28.2	28.9
28	16.2	15.6	15.8	25.2	22.2	23.4	28.2	24.5	26.1	29.4	26.6	28.0
29	---	---	---	23.8	18.4	21.3	27.2	25.6	26.5	29.3	26.5	27.8
30	---	---	---	---	---	---	27.2	25.6	26.4	29.1	26.1	27.7
31	---	---	---	19.8	14.3	16.4	---	---	---	29.7	26.5	28.1
MONTH	---	---	---	---	---	---	28.2	12.9	23.0	30.8	25.8	28.2

2951190901217 LAKE CATAOUCTCHE AT WHISKEY CANAL SOUTH OF WAGGAMAN, LA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.6	27.1	29.0	28.5	25.0	26.6	31.0	29.7	30.4	30.2	28.2	29.1
2	31.2	29.0	30.0	30.6	27.0	28.3	31.2	29.2	29.9	31.6	29.1	30.4
3	29.6	27.9	28.8	30.1	27.9	28.9	31.4	28.7	29.8	31.2	30.2	30.6
4	28.6	27.7	28.2	29.5	27.6	28.6	33.5	28.7	30.3	31.4	30.0	30.6
5	28.6	27.6	28.1	28.6	26.9	27.7	31.2	28.9	30.2	30.9	29.6	30.3
6	28.1	27.3	27.6	27.7	26.8	27.2	31.5	29.1	30.5	29.8	28.4	29.1
7	30.3	27.1	28.3	27.6	26.3	27.0	31.4	29.1	30.3	29.5	28.3	28.9
8	29.9	28.8	29.3	28.6	26.3	27.0	31.1	29.7	30.5	29.7	27.9	28.7
9	33.2	28.8	30.5	32.0	26.0	28.7	31.8	30.0	30.9	29.3	28.7	29.0
10	32.7	30.8	31.9	33.1	28.8	30.2	31.9	30.3	31.0	29.3	28.1	28.7
11	31.6	29.1	30.2	32.9	29.8	30.9	31.5	29.9	30.7	29.6	28.2	29.0
12	29.9	28.6	29.3	31.6	29.4	30.2	---	---	---	29.0	27.9	28.4
13	30.5	28.2	29.3	30.6	29.2	29.9	---	---	---	29.0	27.4	28.2
14	31.2	29.1	30.1	30.0	29.0	29.5	---	---	---	29.0	27.9	28.4
15	31.3	29.2	30.3	30.3	28.2	29.3	30.4	28.4	29.4	29.5	27.7	28.6
16	30.2	29.3	29.8	33.7	29.1	30.5	30.9	29.1	29.9	29.1	26.9	28.1
17	29.7	28.4	29.1	32.8	29.2	31.0	30.5	29.6	30.0	29.4	26.6	27.9
18	32.0	28.4	29.6	33.4	28.3	30.1	31.5	28.9	30.0	30.5	27.4	28.7
19	31.4	29.6	30.4	32.6	29.9	31.2	31.4	29.8	30.4	29.8	28.6	29.1
20	29.8	28.7	29.2	31.2	29.4	30.2	31.2	29.6	30.3	29.3	28.0	28.5
21	30.5	28.8	29.4	31.3	28.4	29.8	30.4	29.1	29.9	28.0	27.3	27.6
22	30.2	29.0	29.6	31.0	29.1	30.0	30.8	29.1	29.8	27.4	26.6	27.1
23	33.9	29.2	31.2	29.6	28.4	28.9	31.0	29.6	30.2	27.6	26.0	26.9
24	33.3	31.8	32.6	29.4	28.1	28.7	31.5	29.6	30.4	27.6	26.2	27.0
25	32.7	31.1	31.7	31.5	28.1	29.5	31.4	30.2	30.7	27.9	26.2	27.1
26	32.5	30.3	31.3	32.2	29.0	29.9	32.1	29.8	30.9	28.9	26.8	27.8
27	31.7	29.7	30.6	---	---	---	31.4	30.5	30.9	29.1	27.9	28.4
28	30.8	28.9	29.7	---	---	---	31.6	29.9	30.6	28.4	26.1	27.4
29	30.1	29.0	29.6	---	---	---	31.6	29.9	30.7	26.1	22.8	24.0
30	29.0	25.9	27.3	---	---	---	30.7	29.3	29.8	23.1	21.4	22.4
31	---	---	---	---	---	---	29.3	28.7	28.9	---	---	---
MONTH	33.9	25.9	29.7	---	---	---	---	---	---	31.6	21.4	28.2

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA

LOCATION.--Lat 29°51'24", long 89°54'21", in sec. 27, T. 14 S., R. 13 E., St. Bernard Parish, Hydrologic Unit 08090203, on a four-pipe platform, 500 yards downstream of the outfall channel of the Caernarvon control diversion structure.

PERIOD OF RECORD.--January 2001 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 0.148 ft below NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 9,800 ft³/s, Feb. 22, 2003; maximum gage height recorded, 6.00 ft, Sept. 26, 2002; but may have been higher during period of missing record, Sept. 26-30, 2002; maximum negative discharge, -1,330 ft³/s, Feb. 8, 2001; minimum gage height, -1.16 ft, Mar. 6, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,800 ft³/s, Feb. 22, gage height, 3.84 ft; minimum discharge, -1,290 ft³/s, Mar. 9, gage height, -0.61 ft.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.20 ft, Feb. 22; minimum gage height, -0.40 ft, June 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	83	1,690	1,390	2,990	6,980	-0.88	50	94	236	87	155
2	---	114	1,900	1,540	2,890	7,070	-0.21	68	-28	137	76	228
3	---	129	2,020	1,500	3,140	2,310	56	22	53	72	153	90
4	---	92	2,040	1,440	2,990	65	1.6	-157	335	88	133	25
5	---	34	2,120	1,400	2,910	-60	-17	-232	1,160	153	145	19
6	---	167	2,250	2,150	2,740	123	-88	-199	990	171	-8.8	153
7	---	138	2,210	3,250	2,890	-60	-81	-177	984	40	128	22
8	---	83	2,160	3,220	2,620	146	126	-123	969	134	35	34
9	80	-4.8	1,290	3,180	2,920	-110	353	-75	981	138	-7.6	122
10	85	-135	1,120	3,090	866	-8.1	385	-118	1,110	104	33	91
11	125	-29	1,490	3,040	65	99	127	10	1,040	56	62	82
12	79	22	1,780	2,970	99	44	111	39	913	91	90	226
13	57	91	2,060	3,060	99	-3.8	46	78	917	111	183	159
14	93	97	1,750	4,940	-30	1.6	52	1.2	958	218	192	19
15	79	7.8	1,860	6,180	-74	80	75	21	969	130	634	-26
16	87	117	1,830	5,740	236	154	-61	-31.0	993	159	1,090	138
17	124	206	2,090	4,870	138	3,800	49	-200	935	34	1,170	162
18	148	69	2,320	4,700	3,710	7,360	99	26	940	125	1,060	113
19	69	54	2,380	4,390	5,660	7,340	54	92	966	143	928	769
20	149	993	2,280	4,200	5,850	7,260	64	47	973	50	256	1,330
21	92	2,230	2,450	4,690	7,090	7,320	98	105	1,000	157	276	1,400
22	61	2,010	2,680	5,240	8,610	7,160	33	-55	1,000	91	128	1,370
23	87	1,920	3,160	5,490	7,130	7,070	69	-23	994	-18	92	1,310
24	71	1,910	2,660	5,260	6,360	7,050	44	140	1,010	134	118	1,490
25	126	1,810	1,670	4,500	6,980	6,870	1.6	196	1,040	137	203	1,760
26	121	1,830	1,590	4,260	7,360	7,370	36	152	1,010	133	208	1,690
27	-7.8	1,870	1,470	3,660	7,440	7,230	58	-39.0	1,010	115	28	1,660
28	-26	1,820	1,410	3,470	7,180	6,610	112	34	1,010	115	184	1,720
29	131	1,730	1,420	3,370	---	5,880	146	82	801	143	209	2,300
30	77	1,730	1,360	3,210	---	6,210	94	62	161	49	169	2,540
31	47	---	1,310	2,860	---	5,180	---	110	---	90	319	---
TOTAL	---	21,188.0	59,820	112,260	100,859	116,540.7	2,042.11	-93.8	25,288	3,536	8,372.6	21,151
MEAN	---	706	1,930	3,621	3,602	3,759	68.1	-3.03	843	114	270	705

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.46	0.88	1.03	1.46	2.81	1.37	1.26	-0.19	2.79	0.50	2.25
2	---	1.51	1.04	0.89	1.42	2.80	0.62	1.19	0.04	2.45	0.49	2.14
3	---	1.54	1.12	0.65	1.49	2.28	0.75	1.00	0.48	2.12	0.53	1.98
4	---	1.47	1.25	0.61	1.43	1.84	0.93	0.97	0.64	1.80	0.46	1.84
5	---	1.66	1.21	0.66	1.37	1.65	1.04	1.18	1.09	1.65	0.41	1.73
6	---	1.22	1.13	0.80	1.52	1.37	1.40	1.31	1.42	1.62	0.33	1.72
7	---	0.93	1.12	1.18	1.46	1.34	1.43	1.40	1.40	1.53	0.15	1.72
8	---	0.85	1.09	1.24	1.27	1.39	1.53	1.33	1.22	1.52	0.10	1.78
9	1.84	0.93	0.93	1.19	1.40	1.21	1.37	1.35	1.06	1.43	0.40	1.77
10	1.92	1.12	0.98	1.15	1.07	1.02	0.73	1.39	0.99	1.27	0.53	1.67
11	1.82	1.18	1.09	1.14	0.47	0.99	0.06	1.18	0.91	1.06	0.63	1.67
12	1.66	0.98	1.09	1.26	0.54	1.16	0.03	0.73	0.90	1.07	0.73	1.82
13	1.49	0.66	1.44	1.37	0.41	1.26	0.16	0.76	1.05	1.13	0.90	1.89
14	1.45	0.64	1.08	1.77	0.65	1.13	0.30	0.92	1.10	1.34	0.92	1.65
15	1.52	0.81	0.91	2.23	0.90	0.99	0.35	0.78	1.11	1.56	1.17	1.60
16	1.34	0.53	0.90	2.29	0.96	1.14	0.73	0.76	1.09	1.53	1.47	1.59
17	1.34	-0.08	0.98	2.06	0.35	1.79	0.69	0.82	1.13	1.34	1.38	1.62
18	1.26	-0.03	1.23	2.01	1.07	2.62	0.54	0.62	1.24	1.12	1.26	1.57
19	1.40	0.11	1.61	1.91	2.00	2.81	0.84	0.43	1.28	0.87	1.11	1.61
20	1.27	0.58	1.53	1.84	2.17	2.90	1.12	0.68	1.21	0.58	0.99	1.62
21	1.29	1.26	1.31	1.89	2.58	2.93	1.04	0.88	1.11	0.39	0.98	1.74
22	1.37	1.20	1.35	2.04	3.04	2.89	0.91	0.85	1.08	0.07	1.22	1.83
23	1.46	1.14	1.50	2.03	2.86	2.88	0.98	0.88	1.07	-0.09	1.39	1.80
24	1.46	1.13	1.70	2.04	2.68	2.87	1.32	0.95	1.11	-0.02	1.49	1.89
25	1.54	1.15	1.09	1.89	2.70	2.85	1.20	0.88	1.29	0.35	1.60	1.99
26	1.58	1.20	0.83	1.79	2.82	2.93	0.81	0.65	1.56	0.68	1.59	2.17
27	1.59	1.14	0.77	1.67	2.88	3.03	1.02	0.60	1.60	0.78	1.50	2.25
28	1.58	1.08	0.71	1.58	2.85	2.95	1.06	0.78	1.61	0.83	1.49	2.10
29	1.56	1.03	0.73	1.56	---	2.74	1.11	0.63	1.76	0.76	1.56	2.04
30	1.48	0.97	0.80	1.53	---	2.70	1.21	0.29	2.33	0.71	1.84	2.16
31	1.37	---	1.28	1.52	---	2.55	---	0.06	---	0.64	2.11	---
MAX	---	1.66	1.70	2.29	3.04	3.03	1.53	1.40	2.33	2.79	2.11	2.25
MIN	---	-0.08	0.71	0.61	0.35	0.99	0.03	0.06	-0.19	-0.09	0.10	1.57

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2002 to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 2002 to September 2003.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: October 2002 to September 2003.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for July 30-Aug. 20 when records good.

SALINITY: Records excellent except for July 30-Aug. 20 when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 2,010 microsiemens/cm, Oct. 8, 2002; minimum recorded, 273 microsiemens/cm, Mar. 17, 2003.

SALINITY: Maximum, 1.0 ppt, Oct. 8, 9, 10, 2002; minimum, 0.1 ppt, on several days, 2003.

WATER TEMPERATURE: Maximum recorded, 33.4°C, Aug. 26, 2003; minimum recorded, 5.4°C, Jan. 30-21, Feb. 1, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,010 microsiemens/cm, Oct. 8; minimum, 273 microsiemens/cm, Mar. 17.

SALINITY: Maximum, 1.0 ppt, Oct. 8, 9, 10; minimum, 0.1 ppt, on several days.

WATER TEMPERATURE: Maximum, 33.4°C, Aug. 26; minimum, 5.4°C, Jan. 30, 31, Feb. 1.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1				1,090	1,030	1,050	416	407	412	335	324	328
2				1,110	1,020	1,060	428	403	417	340	320	328
3				1,080	987	1,050	421	403	410	327	312	318
4				1,060	973	1,010	417	400	410	314	300	306
5				1,180	1,000	1,060	424	398	412	307	297	300
6				1,080	978	1,020	417	399	409	306	296	299
7				1,010	932	986	414	400	406	305	293	299
8				978	946	963	448	395	411	307	295	300
9	2,000	1,880	1,950	977	931	949	426	391	399	309	298	303
10	1,880	1,710	1,760	955	907	938	454	394	413	330	299	318
11	1,730	1,590	1,680	1,070	918	971	455	399	421	337	315	327
12	1,650	1,390	1,500	1,000	892	921	447	396	425	338	325	332
13	1,530	1,360	1,470	905	891	897	463	408	440	336	321	330
14	1,460	1,240	1,400	899	875	887	470	408	441	331	319	326
15	1,370	1,210	1,280	890	845	868	470	413	425	351	327	342
16	1,330	1,230	1,280	847	813	823	437	425	431	363	345	356
17	1,260	1,220	1,230	832	727	783	460	437	446	360	349	354
18	1,220	1,180	1,210	797	755	776	484	431	449	352	344	348
19	1,220	1,180	1,200	781	559	680	454	421	433	348	341	344
20	1,220	1,130	1,170	644	431	549	437	419	428	354	341	347
21	1,130	1,090	1,110	439	424	429	457	415	432	355	345	350
22	1,150	1,110	1,130	428	418	423	463	410	418	365	350	356
23	1,150	1,140	1,140	435	424	431	430	413	418	364	351	357
24	1,170	1,120	1,150	433	428	430	421	397	416	370	357	363
25	1,150	1,060	1,110	429	424	426	397	385	391	379	360	370
26	1,170	1,060	1,120	426	410	417	389	376	380	382	372	378
27	1,240	1,070	1,160	412	403	406	378	363	371	393	381	386
28	1,190	1,090	1,140	407	394	399	363	329	346	391	379	385
29	1,290	1,110	1,170	410	400	403	329	318	322	401	384	392
30	1,140	1,030	1,080	411	400	406	325	317	321	404	386	392
31	1,110	1,020	1,050	---	---	---	341	322	328	400	382	391
MONTH	---	---	---	1,180	394	747	484	317	406	404	293	343

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	404	393	398	327	304	311	405	392	398	466	450	458
2	403	391	396	311	301	305	435	399	409	482	454	467
3	416	395	402	312	300	309	449	409	419	490	467	477
4	421	405	414	330	307	313	420	408	413	506	479	494
5	434	416	422	349	309	326	419	353	407	537	490	510
6	438	417	429	335	317	325	428	367	398	564	510	535
7	447	430	440	349	321	331	410	388	400	627	534	559
8	440	430	433	363	323	344	419	368	407	703	586	633
9	451	434	445	363	333	349	407	400	404	731	655	690
10	451	432	436	356	325	338	424	397	407	816	687	744
11	462	433	442	348	314	329	455	403	420	860	722	774
12	479	441	453	345	313	328	446	406	422	834	762	795
13	484	445	463	443	321	362	441	411	424	802	710	761
14	492	441	465	394	344	364	428	413	418	721	660	699
15	499	464	479	366	335	344	427	414	419	688	675	682
16	542	474	487	448	331	382	426	417	421	685	391	541
17	494	474	480	418	273	309	428	422	425	456	411	431
18	499	434	455	286	274	281	433	423	427	446	419	438
19	441	424	432	316	280	286	434	421	426	459	436	447
20	431	414	424	293	289	291	440	429	433	436	417	426
21	431	387	405	303	293	297	442	433	438	430	402	417
22	393	381	388	308	302	305	441	436	438	469	390	411
23	411	389	402	315	308	312	449	435	440	571	402	470
24	408	354	369	320	315	317	451	441	446	535	402	475
25	356	311	333	325	317	321	456	448	451	485	306	386
26	322	310	316	324	320	321	454	445	449	421	345	398
27	326	310	316	335	322	329	452	448	450	426	351	394
28	327	312	320	360	335	347	455	444	450	446	358	386
29	---	---	---	378	360	369	460	438	447	438	379	403
30	---	---	---	393	378	387	459	442	451	411	328	380
31	---	---	---	395	391	393	---	---	---	424	377	396
MONTH	542	310	416	448	273	330	460	353	425	860	306	519
	JUNE			JULY			AUGUST			SEPTEMBER		
1	392	366	378	356	350	353	404	383	392	560	447	494
2	394	343	365	358	347	354	401	393	398	755	546	602
3	362	348	355	364	344	355	428	358	400	1,100	722	905
4	358	339	351	392	359	372	426	402	411	e1,070	e794	909
5	346	339	343	400	361	379	412	400	406	1,040	934	978
6	347	339	343	400	359	373	431	382	415	995	432	651
7	346	339	341	401	365	384	434	420	427	671	479	558
8	343	337	341	389	360	377	449	372	423	656	426	498
9	344	338	342	368	348	358	428	408	414	436	429	432
10	346	339	342	364	353	357	426	412	420	474	432	449
11	348	339	345	371	358	363	434	419	428	525	443	472
12	360	339	346	373	361	367	427	417	422	577	509	532
13	370	349	356	374	364	370	436	426	429	630	526	551
14	367	353	359	380	365	374	443	429	433	706	546	625
15	373	367	369	381	355	368	447	426	436	773	648	689
16	378	370	374	383	357	374	440	423	427	773	680	713
17	384	376	378	389	363	380	434	370	401	680	622	633
18	385	376	380	389	374	382	407	377	392	657	602	629
19	397	378	387	390	371	385	450	379	428	665	390	521
20	402	392	395	397	371	388	458	432	440	390	385	388
21	408	398	402	400	385	393	444	388	426	400	387	391
22	404	395	399	396	381	385	431	418	425	389	377	382
23	401	393	397	392	364	379	440	422	432	387	382	385
24	396	386	390	398	381	387	439	433	437	391	379	386
25	396	379	388	401	384	395	443	421	431	382	363	372
26	394	385	390	409	396	401	433	422	427	364	355	360
27	390	379	384	410	403	407	436	423	430	367	356	363
28	380	362	372	411	402	408	435	419	428	378	367	374
29	373	357	363	410	400	406	432	422	429	386	375	381
30	442	343	373	407	397	403	435	428	432	392	380	386
31	---	---	---	403	391	399	454	430	441	---	---	---
MONTH	442	337	368	411	344	380	458	358	422	1,100	355	534

e Estimated

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1				0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
2				0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
3				0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
4				0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
5				0.6	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
6				0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.1	0.2
7				0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.1	0.2
8				0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.1	0.2
9	1.0	1.0	1.0	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
10	1.0	0.9	0.9	0.5	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2
11	0.9	0.8	0.8	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
12	0.8	0.7	0.8	0.5	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2
13	0.8	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
14	0.7	0.6	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
15	0.7	0.6	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
16	0.7	0.6	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
17	0.6	0.6	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
18	0.6	0.6	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
19	0.6	0.6	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
20	0.6	0.6	0.6	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
21	0.6	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.6	0.5	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.6	0.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.6	0.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.6	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.6	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.6	0.5	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.6	0.5	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.6	0.5	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.6	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	0.5	0.5	0.5	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2
MONTH	---	---	---	0.6	0.2	0.4	0.2	0.2	0.2	0.2	0.1	0.2
FEBRUARY			MARCH			APRIL			MAY			
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
16	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
17	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	---	---	---	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2
MONTH	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.4	0.2	0.3

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3
3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.4
4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.4
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.3
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3
16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4
17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
20	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2	---	---	---
MONTH	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.3

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1				22.8	21.4	22.2	12.6	12.1	12.4	9.1	8.3	8.6
2				21.4	20.5	20.8	12.6	12.0	12.2	9.0	8.0	8.4
3				20.5	20.1	20.3	12.5	12.0	12.1	8.6	7.8	8.0
4				20.6	20.4	20.5	12.6	11.9	12.1	8.3	7.6	7.9
5				21.1	20.4	20.7	11.9	11.4	11.6	8.5	7.7	7.9
6				20.4	19.5	19.9	11.7	11.0	11.3	8.1	7.6	7.7
7				19.7	19.0	19.3	11.4	10.8	11.0	7.9	7.5	7.7
8				20.2	18.4	19.1	11.1	10.6	10.8	8.0	7.6	7.7
9	28.1	27.6	27.8	19.7	19.2	19.5	10.8	10.4	10.6	8.2	7.7	7.9
10	27.8	26.9	27.3	22.4	19.7	20.8	10.8	9.9	10.3	8.2	7.8	7.9
11	27.5	26.7	27.0	22.5	22.2	22.4	10.3	9.7	9.9	7.9	7.6	7.7
12	27.2	26.8	27.0	22.2	20.6	21.4	9.8	9.5	9.6	7.7	7.5	7.6
13	27.0	26.1	26.7	20.6	19.1	19.8	9.8	9.1	9.5	7.8	7.4	7.5
14	26.1	24.3	25.1	19.3	18.4	18.8	9.6	8.9	9.1	7.6	7.3	7.4
15	24.4	23.1	23.7	19.4	18.7	19.0	9.4	8.7	8.9	7.4	7.0	7.2
16	23.2	22.4	22.8	18.9	16.8	17.9	9.2	8.6	8.8	7.2	6.7	7.0
17	22.6	21.7	22.0	17.2	15.9	16.5	9.3	8.6	8.8	6.9	6.4	6.7
18	23.2	21.2	22.1	16.6	15.5	16.0	9.4	8.5	8.7	6.6	6.3	6.4
19	23.8	22.6	23.0	16.3	15.6	15.9	9.4	8.6	8.9	6.6	6.2	6.3
20	24.4	23.1	23.5	16.4	14.4	15.5	9.2	8.6	8.7	6.8	6.2	6.4
21	24.2	23.7	23.8	14.8	14.2	14.4	9.2	8.5	8.8	6.7	6.3	6.5
22	23.7	23.4	23.5	14.4	13.8	14.1	9.5	8.8	9.1	6.7	6.5	6.6
23	23.7	23.5	23.6	14.1	13.5	13.8	9.6	9.1	9.4	6.5	6.2	6.3
24	23.6	23.3	23.4	14.0	13.4	13.6	10.3	9.6	9.8	6.3	6.0	6.1
25	23.8	23.0	23.3	13.9	13.4	13.6	10.2	9.6	9.7	6.3	6.0	6.1
26	23.6	23.3	23.5	13.9	13.4	13.5	9.9	9.4	9.6	6.0	5.8	6.0
27	24.1	23.4	23.7	13.4	13.0	13.2	9.8	9.2	9.5	6.2	5.6	5.8
28	25.2	24.0	24.5	13.4	12.8	13.0	9.6	9.0	9.2	5.8	5.5	5.6
29	25.1	23.9	24.5	13.3	12.7	12.9	9.5	8.8	9.1	6.0	5.5	5.6
30	24.3	23.7	23.9	13.0	12.4	12.7	9.3	8.7	8.8	5.8	5.4	5.5
31	23.7	22.8	23.3	---	---	---	9.3	8.6	8.9	6.0	5.4	5.5
MONTH	---	---	---	22.8	12.4	17.4	12.6	8.5	9.9	9.1	5.4	7.0
FEBRUARY			MARCH			APRIL			MAY			
1	6.3	5.4	5.6	7.2	6.8	7.0	16.5	12.8	14.6	27.8	24.8	26.1
2	6.7	5.5	5.9	6.9	6.5	6.7	18.7	16.0	16.9	28.8	26.1	27.4
3	6.5	5.8	6.1	7.5	6.4	6.7	20.3	17.8	18.7	29.2	27.0	28.0
4	6.8	6.0	6.3	8.6	7.0	7.3	22.8	19.7	21.1	28.7	27.7	28.2
5	6.5	6.0	6.1	12.9	7.6	9.7	24.1	21.6	22.5	28.0	27.3	27.7
6	6.3	6.1	6.2	13.4	11.9	12.6	25.3	22.3	23.5	28.0	26.9	27.5
7	6.2	6.0	6.1	14.4	11.8	12.5	24.8	23.2	24.1	28.3	27.1	27.5
8	6.5	6.0	6.1	14.0	12.5	13.4	23.3	21.2	22.3	28.6	27.4	27.9
9	6.2	6.1	6.2	14.2	12.2	13.1	21.0	16.3	18.6	29.0	27.8	28.3
10	7.8	6.1	6.9	14.4	12.0	13.2	16.4	15.0	15.6	29.1	27.9	28.5
11	10.4	6.9	8.1	16.7	12.7	14.1	16.2	14.8	15.4	29.8	27.9	28.6
12	11.6	8.7	9.7	17.0	13.5	15.2	17.6	15.1	16.1	29.4	28.0	28.4
13	13.1	10.5	11.7	20.4	15.7	18.2	20.2	16.8	18.0	28.4	26.9	27.6
14	16.7	11.9	14.0	18.5	16.2	17.7	22.4	16.8	18.7	28.5	26.2	26.9
15	18.2	14.6	15.9	19.1	15.7	17.1	20.4	17.5	18.6	28.6	27.1	27.6
16	18.0	15.4	16.8	19.0	16.2	17.8	22.3	19.5	20.8	28.2	23.4	26.3
17	15.5	13.6	14.4	17.0	9.3	11.5	23.1	21.0	21.4	27.1	25.4	26.1
18	13.6	7.2	9.2	9.7	9.3	9.5	24.3	21.7	22.9	27.6	25.6	26.4
19	7.8	7.2	7.5	10.2	9.7	9.9	25.7	22.9	24.1	27.6	26.4	26.9
20	7.8	7.6	7.8	10.4	10.0	10.2	26.1	23.2	24.7	27.0	26.1	26.6
21	7.8	7.5	7.7	11.0	10.3	10.7	25.3	24.1	24.7	27.2	25.8	26.3
22	7.8	7.5	7.7	11.5	10.8	11.2	25.2	23.6	24.3	25.9	25.2	25.5
23	7.8	7.4	7.6	11.9	11.3	11.6	26.0	23.0	24.3	26.6	24.6	25.5
24	8.9	7.7	8.5	12.2	11.7	12.0	25.6	23.8	24.4	25.7	24.0	25.0
25	9.1	8.7	8.9	12.3	12.0	12.1	25.8	23.9	24.4	26.3	24.4	25.1
26	8.9	8.1	8.5	12.5	12.2	12.3	24.8	23.7	24.3	27.4	24.5	25.2
27	8.0	7.5	7.8	12.8	12.2	12.5	24.4	23.3	23.8	25.8	24.5	25.4
28	7.5	7.2	7.4	13.1	12.5	12.8	25.4	23.4	24.0	25.7	24.2	24.9
29	---	---	---	13.3	12.9	13.0	26.0	23.1	24.3	26.3	24.4	25.2
30	---	---	---	13.3	12.9	13.0	27.0	23.9	25.3	27.7	24.3	25.6
31	---	---	---	13.5	13.0	13.2	---	---	---	27.3	25.0	26.0
MONTH	18.2	5.4	8.6	20.4	6.4	12.2	27.0	12.8	21.4	29.8	23.4	26.7

295124089542100 CAERNARVON OUTFALL NEAR CAERNARVON, LA—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.5	25.2	26.3	26.5	25.2	25.6	31.0	29.7	30.2	30.6	29.2	29.7
2	28.0	26.2	26.7	27.5	26.0	26.5	30.7	29.4	30.0	32.3	29.9	30.6
3	27.6	26.0	26.6	28.1	26.8	27.3	29.4	28.3	29.1	31.8	30.5	31.1
4	27.1	23.6	25.7	28.2	27.3	27.6	31.4	28.7	29.5	31.4	30.7	31.0
5	24.2	23.6	23.7	27.8	25.9	27.1	31.5	29.6	30.3	31.0	29.8	30.4
6	23.8	23.6	23.6	28.2	26.4	27.0	30.8	29.6	30.2	30.4	29.1	30.0
7	24.4	23.6	23.7	27.8	27.3	27.5	31.0	30.0	30.3	30.2	29.6	29.9
8	24.2	23.6	23.8	28.6	27.0	27.6	30.9	29.8	30.3	30.6	29.2	30.0
9	24.4	23.8	24.1	30.7	27.9	28.8	31.3	30.1	30.6	30.4	29.6	29.9
10	25.1	24.1	24.3	30.6	29.2	29.7	31.4	30.3	30.8	30.1	29.2	29.5
11	24.8	24.2	24.4	31.1	29.1	29.8	31.4	30.2	30.7	30.8	28.9	29.6
12	25.0	24.3	24.6	30.2	28.9	29.6	30.6	29.2	29.8	30.4	29.3	29.9
13	25.4	24.4	24.7	30.1	29.4	29.8	29.2	28.5	28.9	30.2	29.2	29.5
14	25.5	24.5	24.9	29.6	29.0	29.4	29.0	28.2	28.5	29.7	28.9	29.3
15	25.8	24.7	25.0	31.5	28.6	29.8	29.5	28.5	29.0	29.7	28.9	29.2
16	25.4	24.6	24.8	31.2	29.5	30.2	29.9	29.1	29.4	28.9	28.0	28.3
17	24.9	24.2	24.5	31.8	29.8	30.4	29.8	29.3	29.4	28.4	27.4	27.9
18	24.9	24.1	24.3	30.7	29.2	29.8	30.2	29.3	29.5	29.1	27.9	28.2
19	24.6	24.2	24.3	31.8	29.8	30.4	30.0	29.3	29.6	28.8	27.3	28.1
20	24.7	24.3	24.5	30.4	29.5	29.8	31.3	28.0	30.0	27.5	27.1	27.3
21	24.9	24.4	24.6	30.8	29.1	29.8	30.7	29.9	30.2	27.3	26.8	27.1
22	25.7	24.7	25.1	30.8	29.8	30.3	30.3	29.7	29.9	26.9	26.5	26.8
23	25.6	25.0	25.2	30.3	29.6	29.9	29.8	29.3	29.6	26.9	26.3	26.5
24	25.6	25.1	25.3	30.2	29.3	29.7	30.4	29.3	29.7	26.6	26.2	26.4
25	26.0	25.3	25.6	30.7	29.1	29.6	32.3	30.1	30.9	26.6	26.1	26.3
26	26.6	25.6	25.8	30.4	29.0	29.6	33.4	31.0	31.8	26.8	26.1	26.3
27	26.2	25.8	26.1	30.3	29.2	29.6	32.9	30.4	31.6	26.7	26.2	26.4
28	26.7	26.0	26.2	30.4	29.0	29.5	32.1	31.1	31.6	26.8	26.1	26.4
29	26.9	26.2	26.5	29.9	29.1	29.4	31.9	30.9	31.3	26.4	25.9	26.1
30	26.7	25.5	26.0	30.5	29.0	29.5	31.5	30.5	30.8	26.1	25.7	25.8
31	---	---	---	30.7	29.7	30.1	30.7	29.5	30.1	---	---	---
MONTH	28.5	23.6	25.0	31.8	25.2	29.1	33.4	28.0	30.1	32.3	25.7	28.4

295501090190400 DAVIS POND DIVERSION NEAR BOUTTE, LA

LOCATION.--Lat 29°55'00", long 90°19'04", Jefferson Parish, Hydrologic Unit 08090301, at U.S. Highway 90 bridge, 11.5 miles from Boutte.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--April 2002 to current year.

GAGE.--Water-stage recorder and acoustice velocity meter. Datum of gage is 6.96 ft below NAVD 88.

REMARKS.--Mean daily discharge computed only during periods when control structure is open. No estimated daily discharge. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded discharge, 5,600 ft³/sec, Nov. 7, 2002; Maximum gage height recorded, 10.48 ft, Aug. 25, 2003; minimum elevation recorded, 7.92 ft, May 28-30, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,600 ft³/s, Nov. 7, maxium gage height, 10.48 ft, Aug. 25; minimum gage height, 8.13 ft, Mar. 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							1,050	375				
2							1,060	289				
3							1,060	207				
4							1,100	340				
5			606				1,020	263				
6			1,510				1,040	253				
7			1,410				1,060	302				
8			1,280				925	319				
9			1,330				719	292				
10			1,220				745					
11			1,070				858					
12			747				832					
13			993				815					
14			186				1,080				963	
15			414	624			1,210				986	
16			393	928			1,210				946	
17			552	921			1,060				993	
18			859	924			1,210				1,010	
19			466	879			1,270				958	
20				878			1,360				1,120	
21				935			1,220				1,120	
22				1,000			1,280				1,180	
23				923			1,320				1,190	
24				755		745	880				1,200	
25				622		1,050	270				1,130	
26				531		960	118				1,000	
27				869		985	147		377		294	
28				888		1,070	295		1,010			
29				356		897	264		797			
30						---	343					
31						961						
TOTAL							26,821					
MEAN							894					

295501090190400 DAVIS POND DIVERSION NEAR BOUTTE, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.54	9.11	8.72	9.13	9.22	8.44	9.51	9.19	8.43	9.47	8.58	9.52
2	9.48	9.07	8.70	9.09	9.16	8.38	9.54	9.15	8.42	9.45	8.58	9.40
3	9.79	9.04	8.69	9.03	9.09	8.40	9.58	9.10	8.55	9.40	8.58	9.33
4	10.11	9.01	8.68	9.02	8.96	8.40	9.60	9.08	8.54	9.34	8.57	9.28
5	10.10	9.07	8.93	---	8.93	8.39	9.61	9.07	8.52	9.28	8.60	9.27
6	9.99	9.09	9.60	---	8.89	8.37	9.68	9.06	8.55	9.26	8.60	9.19
7	9.85	9.25	9.74	---	8.76	8.33	9.70	9.08	8.56	9.21	8.58	9.13
8	9.74	9.17	9.79	---	8.73	8.31	9.87	9.12	8.54	9.17	8.55	9.08
9	9.65	9.12	9.88	---	8.72	8.26	9.78	9.16	8.52	9.18	8.52	9.09
10	9.74	9.09	10.0	---	8.65	8.21	9.72	9.19	8.50	9.10	8.49	9.01
11	9.68	9.09	10.02	---	8.63	8.21	9.70	9.20	8.56	9.02	8.46	8.95
12	9.59	9.07	10.03	---	8.58	8.19	9.68	---	8.63	8.95	8.49	8.92
13	9.51	9.03	10.07	---	8.55	8.24	9.65	---	8.64	8.90	8.50	8.98
14	9.43	9.01	9.90	8.70	8.54	8.30	9.68	---	8.62	8.85	9.22	8.97
15	9.40	8.98	9.82	8.93	8.52	8.27	9.74	---	8.63	8.82	9.59	8.95
16	9.33	8.93	9.76	9.32	8.48	8.29	9.79	---	8.59	8.78	9.70	8.97
17	9.29	8.90	9.75	9.38	8.40	8.25	9.79	---	8.58	8.75	9.87	8.91
18	9.24	8.89	9.86	9.44	8.41	8.31	9.82	---	8.57	8.72	9.98	8.84
19	9.20	8.87	9.89	9.50	8.40	8.32	9.88	---	8.58	8.69	10.04	8.83
20	9.16	8.92	9.69	9.55	8.37	8.32	9.93	---	8.62	8.67	10.08	8.80
21	9.12	8.97	9.59	9.61	8.59	8.30	9.96	---	8.62	8.64	10.14	8.78
22	9.09	8.93	9.49	9.66	8.59	8.29	10.00	8.77	8.59	8.62	10.22	8.87
23	9.09	8.90	9.45	9.64	8.63	8.26	10.05	8.73	8.57	8.66	10.32	8.81
24	9.07	8.88	9.42	9.65	8.58	8.60	10.02	8.69	8.57	8.66	10.39	8.76
25	9.06	8.86	9.30	9.64	8.54	9.10	9.75	8.65	8.61	8.63	10.42	8.74
26	9.15	8.83	9.26	9.60	8.54	9.25	9.59	8.62	8.61	8.61	10.36	8.66
27	9.13	8.79	9.21	9.64	8.51	9.37	9.48	8.59	8.84	8.59	10.14	8.69
28	9.12	8.75	9.16	9.71	8.49	9.40	9.39	8.56	9.47	8.57	9.85	8.75
29	9.17	8.74	9.13	9.64	---	9.38	9.31	8.52	9.56	8.58	9.65	8.71
30	9.20	8.74	9.11	9.44	---	9.36	9.24	8.49	9.39	8.58	9.68	8.61
31	9.16	---	9.19	9.32	---	9.44	---	8.46	---	8.59	9.59	---
MAX	10.11	9.25	10.07	---	9.22	9.44	10.05	---	9.56	9.47	10.42	9.52
MIN	9.06	8.74	8.68	---	8.37	8.19	9.24	---	8.42	8.57	8.46	8.61

295501090190400 DAVIS POND DIVERSION NEAR BOUTTE, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2002 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: January 2002 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for the period June 13-July 9, when records good.

SALINITY: Records excellent except for the period June 13-July 9, when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 611 microsiemens/cm, Mar. 24, 2002; minimum, 246 microsiemens/cm, July 10, 2003.

SALINITY: Maximum, 0.22 ppt, Apr. 7, 2003; minimum, 0.13 ppt, July 16.

WATER TEMPERATURE: Maximum, 32.7°C, July 18, 2002; minimum, 5.2°C, Jan. 28, 2003.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 444 microsiemens/cm, Apr. 7; minimum, 246 microsiemens/cm, July 10.

SALINITY: Maximum, 0.2 ppt, on many days; minimum, 0.1 ppt, on many days.

WATER TEMPERATURE: Maximum, 31.9°C, Aug. 11; minimum, 5.2°C, Jan. 28.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	374	348	364	300	296	298	358	354	355	400	397	398
2	359	348	353	299	296	298	356	352	354	399	395	396
3	349	331	341	297	294	295	355	352	354	---	---	---
4	354	344	348	300	295	297	357	354	355	---	---	---
5	358	348	354	302	295	298	393	354	367	---	---	---
6	353	348	350	296	292	294	393	388	391	---	---	---
7	356	329	346	386	293	331	390	380	386	---	---	---
8	343	332	338	386	363	376	380	375	377	---	---	---
9	335	332	334	365	358	362	389	380	385	---	---	---
10	336	320	327	365	362	363	387	382	384	---	---	---
11	322	317	319	364	357	362	386	380	382	---	---	---
12	317	311	314	368	358	364	394	385	389	---	---	---
13	315	311	313	370	367	368	400	393	395	---	---	---
14	311	309	311	370	357	365	408	400	401	---	---	---
15	310	304	307	359	355	357	420	408	417	396	335	369
16	315	306	309	366	359	363	431	420	427	342	336	339
17	318	309	312	364	361	363	422	416	418	344	334	339
18	312	301	306	363	359	361	421	408	416	337	333	335
19	306	302	304	363	359	361	410	408	409	337	335	336
20	311	304	307	365	359	362	411	407	409	341	335	338
21	315	309	313	361	359	360	412	408	411	344	341	342
22	312	309	310	366	359	362	412	408	410	349	343	345
23	312	306	309	363	346	357	411	405	408	348	344	346
24	310	307	308	365	348	353	407	404	405	355	346	350
25	315	304	307	356	353	354	408	405	406	362	352	356
26	306	301	303	359	354	356	408	406	407	365	362	363
27	304	301	302	360	358	359	409	404	407	365	360	362
28	305	301	303	361	358	359	408	401	405	371	364	368
29	304	299	301	359	351	357	406	401	404	371	368	370
30	304	299	302	361	352	356	408	402	405	371	368	369
31	300	296	298	---	---	---	403	396	400	370	367	369
MONTH	374	296	320	386	292	347	431	352	395	---	---	---

295501090190400 DAVIS POND DIVERSION NEAR BOUTTE, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	377	365	369	336	332	334	388	377	381	384	377	381
2	377	363	370	333	328	331	412	388	400	382	376	378
3	376	366	370	331	327	329	430	412	423	388	378	385
4	369	366	368	329	325	327	440	430	437	391	384	387
5	370	368	369	325	318	321	440	439	440	392	385	389
6	371	369	369	328	324	326	442	439	441	397	392	395
7	370	369	370	331	327	329	444	436	442	401	397	399
8	371	369	370	330	324	326	441	429	437	403	401	402
9	372	371	371	329	324	326	440	433	438	405	402	403
10	375	370	371	329	327	328	433	409	426	406	403	404
11	383	371	377	331	328	330	412	401	407	405	404	404
12	391	372	378	332	330	330	407	387	393	---	---	---
13	385	371	379	333	324	330	397	389	394	---	---	---
14	386	370	378	330	326	328	397	391	394	---	---	---
15	385	371	377	332	329	330	392	390	391	---	---	---
16	385	370	377	333	331	332	391	389	390	---	---	---
17	378	373	374	334	330	332	391	388	390	---	---	---
18	375	373	374	334	333	334	405	390	398	---	---	---
19	375	373	374	336	334	335	416	405	411	---	---	---
20	376	374	375	338	335	336	420	413	418	---	---	---
21	376	327	356	339	335	337	420	408	415	---	---	---
22	346	328	340	341	336	338	416	407	412	413	407	411
23	347	338	343	343	337	340	411	402	406	417	412	413
24	352	339	345	348	313	331	403	401	402	414	412	413
25	352	334	341	319	312	315	404	401	403	414	412	413
26	344	323	334	323	315	318	403	398	401	413	411	412
27	336	320	331	336	319	327	404	391	400	414	412	413
28	337	334	335	359	336	349	391	380	381	415	413	414
29	---	---	---	377	359	368	389	382	386	415	413	414
30	---	---	---	---	---	---	389	384	386	415	414	414
31	---	---	---	389	378	384	---	---	---	416	414	414
MONTH	391	320	364	---	---	---	444	377	408	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	418	414	416	340	338	339	283	280	282	430	424	427
2	418	411	415	339	327	334	284	280	283	430	425	428
3	413	409	410	329	318	323	285	279	283	431	425	428
4	410	406	409	319	313	315	285	272	283	431	424	428
5	408	406	407	313	303	310	282	275	279	429	424	427
6	407	403	405	303	301	302	281	278	279	431	425	428
7	406	403	405	301	294	298	285	279	281	430	425	428
8	407	401	404	295	274	285	285	281	283	431	424	427
9	405	401	403	286	264	277	287	282	284	430	424	427
10	407	404	405	281	246	266	289	283	286	431	424	428
11	407	398	403	281	250	262	290	285	287	431	425	429
12	401	395	398	278	264	270	289	284	287	432	426	430
13	400	394	397	280	268	274	292	285	288	433	427	431
14	399	394	397	280	273	277	409	281	347	431	427	429
15	400	391	397	281	274	278	416	409	413	432	424	428
16	400	394	397	282	273	278	415	413	414	432	426	430
17	397	390	394	281	276	279	422	414	419	433	422	429
18	396	390	394	281	277	278	428	422	424	430	423	427
19	398	387	393	281	278	280	425	416	421	432	421	428
20	394	386	391	281	277	279	416	407	411	428	424	426
21	395	386	392	283	278	281	408	404	406	431	424	428
22	393	386	390	284	280	282	407	402	404	431	422	427
23	392	387	389	284	280	283	408	402	404	428	423	426
24	391	381	387	286	281	285	413	406	410	429	421	426
25	388	380	385	287	279	285	421	411	415	428	423	425
26	385	380	383	286	280	283	426	417	421	427	423	425
27	391	358	381	288	282	284	428	419	424	426	423	424
28	358	343	350	285	282	284	431	421	427	426	423	425
29	351	346	349	285	281	283	428	420	426	428	424	426
30	349	338	344	285	279	283	426	422	424	429	425	428
31	---	---	---	283	279	280	427	420	423	---	---	---
MONTH	418	338	393	340	246	288	431	272	359	433	421	427

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

295501090190400 DAVIS POND DIVERSION NEAR BOUTTE, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
4	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
6	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
7	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2
8	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
9	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
10	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
11	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
12	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
13	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
14	0.2	0.2	0.2	0.1	0.1	0.1	---	---	---	0.2	0.2	0.2
15	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
16	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
17	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
18	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
19	0.2	0.2	0.2	---	---	---	0.2	0.2	0.2	0.2	0.2	0.2
20	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
21	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
23	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
24	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
25	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
26	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
27	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
28	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
29	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
30	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
31	---	---	---	0.1	0.1	0.1	0.2	0.2	0.2	---	---	---
MONTH	0.2	0.2	0.2	---	---	---	---	---	---	0.2	0.2	0.2

295501090190400 DAVIS POND DIVERSION NEAR BOUTTE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.6	26.1	26.4	22.7	22.0	22.4	15.2	14.3	14.7	14.1	12.8	13.3
2	27.2	26.1	26.5	22.2	21.5	21.8	15.0	14.0	14.5	13.7	12.7	13.2
3	27.1	25.9	26.2	21.7	21.4	21.6	15.1	14.6	14.8	---	---	---
4	26.3	26.0	26.1	21.8	21.4	21.6	15.6	14.9	15.2	---	---	---
5	26.4	26.0	26.2	21.6	21.4	21.5	15.6	10.9	13.8	---	---	---
6	27.2	26.2	26.5	21.4	20.4	20.8	11.2	10.7	10.9	---	---	---
7	27.4	26.3	26.7	20.5	17.1	18.9	11.0	10.4	10.7	---	---	---
8	27.1	26.3	26.6	18.4	17.1	17.5	10.6	10.1	10.4	---	---	---
9	26.6	26.4	26.4	18.5	17.6	18.0	10.2	9.9	10.0	---	---	---
10	26.4	26.0	26.2	19.8	18.4	19.0	9.9	9.6	9.8	---	---	---
11	26.2	26.0	26.1	20.7	19.8	20.1	9.9	9.4	9.6	---	---	---
12	26.0	25.6	25.7	20.6	18.8	19.7	9.5	9.2	9.3	---	---	---
13	26.0	25.2	25.7	18.5	18.1	18.3	9.3	8.9	9.1	---	---	---
14	25.2	24.3	24.7	18.9	17.8	18.2	9.6	8.8	9.0	---	---	---
15	24.4	23.8	24.1	18.8	18.3	18.5	9.6	8.5	8.8	11.0	6.8	9.2
16	23.8	23.2	23.5	18.3	16.8	17.6	9.7	8.4	8.9	7.2	6.6	6.9
17	24.1	22.8	23.3	17.0	16.4	16.7	9.6	8.3	8.8	6.8	6.2	6.5
18	23.6	22.7	23.1	16.8	16.2	16.5	9.5	8.3	8.8	6.7	6.1	6.3
19	23.7	23.0	23.3	16.8	16.6	16.7	9.9	8.5	9.2	7.0	6.1	6.3
20	24.2	23.2	23.4	16.9	16.7	16.8	9.9	9.5	9.7	7.0	6.2	6.5
21	24.1	23.4	23.7	17.1	16.5	16.8	10.6	9.7	10.0	7.0	6.3	6.6
22	24.4	23.3	23.6	16.6	16.0	16.3	11.1	10.5	10.7	6.8	6.3	6.6
23	24.1	23.2	23.6	16.6	15.6	16.0	12.1	10.7	11.3	6.4	5.8	6.1
24	24.1	23.3	23.6	16.4	15.6	15.9	13.5	11.9	12.6	6.5	5.7	6.0
25	23.6	23.3	23.5	16.8	16.0	16.3	12.3	11.6	11.9	6.5	5.7	6.0
26	23.6	23.4	23.5	17.3	16.3	16.7	11.8	11.3	11.5	5.9	5.6	5.8
27	23.9	23.3	23.5	17.1	15.7	16.2	12.0	11.3	11.6	6.1	5.3	5.6
28	24.1	23.6	23.8	15.7	15.0	15.3	12.4	11.2	11.7	5.9	5.2	5.4
29	24.0	23.5	23.8	15.7	14.7	15.1	12.3	11.5	11.9	7.5	5.3	6.0
30	24.4	23.4	23.7	15.9	15.1	15.4	12.8	12.0	12.4	8.2	6.6	7.3
31	23.5	22.7	23.0	---	---	---	13.7	12.8	13.1	9.3	7.4	8.0
MONTH	27.4	22.7	24.7	22.7	14.7	18.1	15.6	8.3	11.1	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	11.0	7.7	8.9	15.5	15.2	15.3	14.5	13.1	13.5	22.9	20.2	21.6
2	10.8	9.2	10.1	15.6	15.1	15.3	14.6	13.4	13.9	23.2	20.5	22.0
3	11.6	10.5	11.0	15.3	14.8	15.1	14.9	13.7	14.2	22.8	20.5	21.4
4	11.9	10.1	11.0	15.1	14.6	14.8	15.5	14.0	14.5	23.7	20.8	22.4
5	11.5	10.5	11.0	15.8	14.9	15.3	15.5	14.2	14.6	24.1	23.3	23.7
6	11.5	11.2	11.4	16.3	15.8	16.0	16.1	14.5	15.2	24.6	23.6	24.1
7	11.4	10.5	10.9	17.1	15.7	16.2	15.6	15.0	15.2	25.1	24.1	24.5
8	10.6	10.2	10.4	17.4	16.3	16.9	15.6	15.2	15.4	25.6	24.4	24.9
9	10.6	10.2	10.4	18.4	17.2	17.7	15.4	15.0	15.2	26.1	24.8	25.4
10	11.5	10.6	11.0	18.5	17.4	18.0	15.9	14.9	15.3	26.2	25.3	25.7
11	12.3	10.8	11.4	19.6	18.5	18.9	16.1	15.4	15.6	26.2	25.3	25.6
12	13.8	11.6	12.2	19.9	18.9	19.3	16.0	15.4	15.7	---	---	---
13	13.7	12.4	13.0	20.2	19.6	19.7	16.3	15.6	15.9	---	---	---
14	14.0	13.1	13.5	20.5	19.1	19.7	16.8	15.8	16.1	---	---	---
15	14.9	14.0	14.4	22.5	19.4	20.2	17.2	15.9	16.2	---	---	---
16	15.0	14.2	14.8	21.2	20.4	20.7	17.1	16.0	16.4	---	---	---
17	14.2	13.3	13.7	21.6	20.0	20.6	17.3	16.2	16.6	---	---	---
18	14.9	12.9	13.7	21.4	20.6	21.0	17.6	16.4	16.8	---	---	---
19	14.7	13.7	14.1	21.6	20.7	21.1	18.0	16.7	17.2	---	---	---
20	15.5	14.4	14.8	21.3	20.6	20.9	18.4	17.0	17.4	---	---	---
21	15.6	15.1	15.3	21.7	20.0	20.6	18.1	17.4	17.6	---	---	---
22	15.7	15.0	15.5	21.6	20.0	20.7	18.0	17.5	17.7	27.7	26.2	26.5
23	15.6	14.7	15.1	21.6	20.7	21.0	18.7	17.6	17.9	27.0	25.8	26.4
24	16.9	15.3	16.0	21.6	12.1	17.6	19.0	17.7	18.3	27.9	26.4	26.9
25	17.0	15.7	16.2	13.0	12.0	12.3	19.0	18.6	18.9	27.8	26.6	27.2
26	16.3	15.8	16.0	12.5	12.2	12.3	20.0	18.7	19.2	28.4	27.2	27.6
27	16.1	15.6	15.8	13.3	12.3	12.7	21.6	18.5	19.2	27.9	26.9	27.4
28	15.6	15.3	15.4	14.2	12.6	13.1	19.1	18.5	18.8	27.8	26.7	27.2
29	---	---	---	13.1	12.9	13.0	21.7	19.1	20.4	27.9	26.7	27.2
30	---	---	---	---	---	---	22.2	19.9	21.0	28.0	26.9	27.3
31	---	---	---	14.1	12.8	13.2	---	---	---	28.7	27.3	27.7
MONTH	17.0	7.7	13.1	---	---	---	22.2	13.1	16.7	---	---	---

MISSISSIPPI RIVER DELTA

295501090190400 DAVIS POND DIVERSION NEAR BOUTTE, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.8	27.8	28.1	26.1	25.6	25.7	30.2	29.6	29.8	30.3	29.5	29.9
2	29.4	28.4	28.8	28.0	25.8	26.5	30.3	29.5	29.7	31.0	29.8	30.3
3	28.5	27.9	28.1	27.6	26.2	26.9	30.3	29.2	29.6	31.1	29.9	30.5
4	28.9	27.6	28.1	27.2	26.7	27.0	31.6	29.6	30.0	31.3	30.3	30.7
5	28.4	27.8	28.1	27.1	26.6	26.8	31.3	29.8	30.2	30.4	29.8	30.1
6	28.0	27.6	27.7	27.0	26.5	26.7	30.4	29.7	29.9	30.5	29.3	29.8
7	29.4	27.5	28.0	27.4	26.6	27.0	31.3	29.8	30.3	30.6	29.6	30.0
8	29.3	28.1	28.6	27.7	27.0	27.4	31.2	30.1	30.6	30.9	29.5	29.9
9	29.8	28.7	29.0	29.2	27.2	27.8	31.3	30.5	30.8	30.2	29.4	29.7
10	30.7	29.2	29.9	29.2	27.5	28.0	31.7	30.7	31.1	31.0	29.1	29.7
11	30.4	28.6	29.4	29.8	27.8	28.4	31.9	30.7	31.2	30.1	29.2	29.6
12	29.2	28.8	28.9	29.6	28.0	28.6	31.1	30.0	30.4	29.6	29.1	29.3
13	29.6	28.3	28.8	30.0	29.0	29.5	30.0	29.6	29.7	29.2	28.8	29.0
14	30.3	29.1	29.6	29.7	29.0	29.3	30.3	29.0	29.6	30.1	28.7	29.2
15	30.5	29.3	29.9	29.9	28.6	29.2	30.0	29.0	29.3	29.7	29.0	29.2
16	30.2	29.4	29.7	30.2	29.1	29.6	30.1	29.1	29.5	29.1	28.4	28.7
17	29.7	28.8	29.2	30.5	29.6	29.9	29.9	29.3	29.4	29.9	28.1	28.6
18	30.3	28.9	29.2	30.0	29.0	29.3	29.9	29.3	29.5	29.1	28.0	28.4
19	30.1	29.2	29.7	30.2	29.6	29.9	30.1	29.3	29.6	29.6	28.5	28.9
20	29.4	28.8	29.1	30.2	29.5	29.9	30.5	29.5	29.9	28.9	28.6	28.7
21	29.4	28.9	29.2	30.4	29.4	29.7	30.7	29.9	30.2	28.6	28.0	28.2
22	30.5	29.0	29.6	30.5	29.6	29.9	30.7	29.9	30.2	28.0	27.6	27.8
23	30.9	29.8	30.2	29.7	29.3	29.5	30.6	30.0	30.2	28.4	27.3	27.8
24	30.9	29.8	30.5	30.4	28.9	29.3	30.5	30.0	30.2	29.0	27.3	27.9
25	31.2	30.2	30.7	30.8	29.3	29.8	30.5	30.0	30.2	28.6	27.5	28.0
26	31.3	30.3	30.8	30.6	29.6	29.9	30.9	30.0	30.3	28.8	27.7	28.1
27	30.9	26.2	29.4	30.2	29.0	29.5	30.9	30.1	30.3	29.2	28.1	28.5
28	26.8	26.1	26.3	30.1	29.3	29.6	31.3	30.3	30.7	28.9	26.9	27.8
29	26.8	26.3	26.5	30.1	29.4	29.8	31.6	30.6	30.9	26.9	25.8	26.2
30	26.6	25.8	26.2	30.1	29.5	29.7	30.9	30.3	30.5	26.0	25.2	25.5
31	---	---	---	30.1	29.5	29.8	30.3	29.8	30.0	---	---	---
MONTH	31.3	25.8	28.9	30.8	25.6	28.7	31.9	29.0	30.1	31.3	25.2	28.9

300003090163500 DRAINAGE CANAL NEAR LOYOLA DRIVE AT KENNER, LA

LOCATION.--Lat 30°00'03", long 90°16'35", in sec. 85, T. 123 S., R. 9 E., Jefferson Parish, Hydrologic Unit 08090203, located on north side of I-10 in fenced area west of Loyola Drive.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 2002 to September 2003.

GAGE.--Water-stage recorder. Datum of gage is assumed.

REMARKS.--Rain gage at station. Stage affected by wind and tide. Records for the period June 2002 to September 2002 are available in the Baton Rouge Field Office.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.21 ft, Sept. 26, 2002; minimum gage height, 0.33 ft, Aug. 19, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.64 ft, Oct. 25; minimum gage height, 0.55 ft, Mar. 18, 19.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.06	1.05	1.60	2.30	0.99	1.41	1.20	1.04	1.10	1.55	0.86	1.44
2	0.92	1.38	1.21	1.71	1.08	1.72	1.02	0.92	1.16	1.46	1.17	1.28
3	2.24	1.24	0.92	1.01	1.05	1.52	0.82	0.72	1.70	1.81	1.43	1.12
4	1.49	0.98	0.71	1.17	0.88	1.56	0.84	0.87	1.05	1.90	1.40	1.14
5	1.63	1.51	1.03	1.47	0.96	1.19	1.30	1.00	0.88	1.97	1.19	1.13
6	2.20	1.16	0.97	1.15	0.68	0.99	1.73	0.91	0.74	2.26	0.80	0.86
7	1.36	1.24	0.72	1.00	0.85	1.00	1.49	0.91	1.15	1.62	0.84	1.14
8	1.14	0.87	0.93	1.00	1.02	0.86	2.19	0.98	1.84	1.65	1.17	1.03
9	0.91	1.22	1.13	0.87	1.19	1.22	1.14	0.78	1.38	1.43	1.22	0.92
10	1.75	1.57	1.07	0.96	1.09	1.06	1.31	0.92	0.81	1.33	1.43	1.45
11	0.98	1.63	0.91	0.85	0.92	0.89	1.17	1.03	1.51	1.45	1.29	1.13
12	1.29	1.16	0.97	1.04	0.89	0.98	0.97	1.04	1.39	1.62	0.97	0.89
13	1.70	1.10	0.83	0.97	0.77	1.13	1.36	0.78	1.21	1.70	0.95	1.37
14	1.29	0.78	1.07	0.81	0.98	1.00	1.47	0.92	1.29	1.21	0.94	1.45
15	0.93	0.83	1.36	0.97	1.23	1.00	1.29	0.95	1.43	1.14	0.89	1.15
16	0.88	0.93	1.19	0.96	1.22	1.45	0.81	0.73	1.41	1.38	1.10	0.95
17	1.15	1.15	0.99	0.75	1.05	1.21	1.03	0.83	1.17	1.28	1.33	1.10
18	0.90	1.03	0.85	0.91	0.80	0.94	0.80	1.26	0.94	0.92	1.12	1.02
19	0.70	0.89	1.23	1.11	1.01	0.73	1.03	0.85	1.27	0.99	1.05	0.98
20	0.90	1.40	1.08	1.28	1.16	1.07	1.22	1.11	1.32	1.34	1.24	1.15
21	1.07	1.32	1.05	1.05	1.66	0.94	0.97	1.03	1.35	1.33	1.11	1.33
22	0.77	0.98	1.30	0.88	1.21	0.86	0.77	0.85	1.66	1.09	1.21	0.98
23	0.91	0.94	1.24	0.99	1.69	1.11	0.99	0.86	1.22	0.94	1.26	1.18
24	---	1.21	1.73	0.80	1.40	1.09	0.82	1.05	1.07	0.97	1.43	0.80
25	1.59	1.09	1.77	1.01	1.01	1.00	1.10	1.16	1.64	0.74	1.46	0.96
26	1.77	0.93	1.45	1.22	1.28	1.30	1.16	1.27	1.66	1.03	1.53	1.13
27	1.63	0.92	1.07	1.09	1.08	1.44	1.41	0.91	1.34	1.90	1.23	0.98
28	1.12	0.90	1.17	0.97	1.09	1.11	1.14	0.72	1.53	1.40	1.10	1.22
29	1.58	1.05	1.38	0.64	---	1.15	0.90	0.80	1.59	1.12	0.93	1.10
30	1.16	1.31	1.16	0.81	---	1.59	0.91	0.89	2.14	0.82	1.04	1.10
31	1.02	---	1.81	0.92	---	1.07	---	0.99	---	0.76	1.33	---
MAX	---	1.63	1.81	2.30	1.69	1.72	2.19	1.27	2.14	2.26	1.53	1.45
MIN	---	0.78	0.71	0.64	0.68	0.73	0.77	0.72	0.74	0.74	0.80	0.80

300312091320000 ARM OF GRAND LAKE NEAR CROOK CHENE COVE

LOCATION.--Lat 30°03'12", long 91°32'00", T. 11 S., R. 9 E., St. Martin Parish, Hydrologic Unit 08080101, 12.5 miles north northwest of Charenton, LA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Jan. 23, 1976 to Mar. 25, 2003, station maintained by U.S. Army Corps of Engineers, New Orleans District. March 2003 to September 2003.

GAGE.--Water-stage recorder. Gage datum is NAVD 88.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 17.26 ft, June 4, 1983; minimum recorded gage height, 3.81 ft, Nov. 3-4, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.92 ft, June 2; minimum gage height, 6.14 ft, Sept. 15.

GAGE HEIGHT, FEET
WATER YEAR MARCH 2003 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							10.27	7.91	13.38	10.60	7.25	6.20
2							10.14	7.86	13.55	10.50	7.18	6.20
3							9.98	7.81	13.85	10.38	7.14	6.20
4							9.80	7.79	13.76	10.27	7.06	6.20
5							9.61	7.80	13.66	10.14	6.99	6.19
6							9.41	7.83	13.57	9.99	6.95	6.19
7							9.36	7.87	13.42	9.85	6.92	6.18
8							9.53	7.90	13.20	9.64	6.89	6.17
9							9.36	7.91	12.93	9.35	6.84	6.17
10							9.17	7.94	12.63	9.07	6.78	6.16
11							9.02	8.01	12.55	8.82	6.72	6.15
12							8.88	8.10	12.19	8.60	6.79	6.15
13							8.74	8.25	11.76	8.38	6.80	6.16
14							8.59	8.48	11.40	8.20	6.76	6.16
15							8.44	8.79	11.06	8.04	6.71	6.15
16							8.30	9.16	10.77	7.90	6.65	6.16
17							8.17	9.59	10.56	7.82	6.59	6.32
18							8.04	10.04	10.40	7.77	6.54	6.46
19							7.93	10.40	10.30	7.65	6.49	6.58
20							7.85	10.70	10.32	7.56	6.44	6.64
21							7.82	11.02	10.44	7.48	6.39	6.64
22							7.84	11.32	10.53	7.42	6.35	6.69
23							7.90	11.53	10.59	7.43	6.32	6.64
24							7.97	11.76	10.62	7.46	6.26	6.57
25						11.36	8.06	12.01	10.62	7.54	6.23	6.50
26						11.25	8.11	12.27	10.64	7.60	6.23	6.44
27						11.07	8.13	12.53	10.65	7.57	6.22	6.38
28						10.90	8.12	12.74	10.63	7.51	6.22	6.32
29						10.73	8.05	12.93	10.61	7.44	6.21	6.26
30						10.55	7.98	13.11	10.62	7.38	6.21	6.24
31						10.39	---	13.26	---	7.31	6.21	---
MAX						---	10.27	13.26	13.85	10.60	7.25	6.69
MIN						---	7.82	7.79	10.30	7.31	6.21	6.15

3005160902620 DRAINAGE CANAL AT I-55/I-10 JUNCTION AT LAPLACE, LA

LOCATION.--Lat 30°05'16", long 90°26'20", in sec. 18, T. 11 S., R. 8 E., St. Charles Parish, Hydrologic Unit 08090301, located between I-10 and I-55 on west bank of canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is assumed.

REMARKS.--Rain gage at station. Stage affected by tide. Gage is below recordable stage at .80 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.06 ft, Sept. 26, 2002; minimum gage height, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.09 ft, Oct. 4; minimum gage height, 0.81 ft, on many days.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	2.15		2.05		1.71	0.82	1.39		2.75	0.87	2.32
2	2.83	2.08		1.82		1.64		1.39		2.68		2.38
3	3.52	2.05	0.83	1.45		1.57		1.21	1.35	2.57		2.32
4	4.03	2.09	0.98	1.10		1.79	0.96	1.06	1.12	2.51		2.26
5	3.75	2.19	1.19	0.92		1.87	1.19	1.10	1.05	2.52		2.19
6	3.41	2.23	0.91	0.85		1.78	1.38	1.19	1.34	2.55	1.58	2.09
7	3.10	2.07	0.87	0.83		1.75	1.52	1.28	1.32	2.39	1.23	2.03
8	2.87	1.86	0.82	0.82		1.74	2.38	1.29	1.14	2.39	0.94	2.03
9	2.71	1.69	0.94	0.81		1.73	2.40	1.35	0.96	2.52		2.05
10	2.93	1.65	1.27	0.81		1.57	2.27	1.41		2.36	0.88	2.02
11	2.82	1.93	1.24		0.84	1.41	2.10	1.28	1.70	2.24	0.96	1.99
12	2.65	2.11	1.14	0.83	0.87	1.39	1.87	1.04	1.36	2.21	1.13	2.03
13	2.48	1.95	1.59	0.90	0.81	1.57	1.60	1.06	1.14	2.04	1.28	2.17
14	2.32	1.65	1.12	0.84	0.91	1.63	1.34	1.13	1.04	1.89	1.32	2.21
15	2.19	1.49	0.82	0.81	1.02	1.45	1.14	0.99	1.15	1.84	1.40	2.11
16	2.05	1.37		0.81	1.35	1.50	1.08	0.90	1.17	1.84	1.54	2.00
17	1.89	0.95		0.81	1.11	1.77	1.15	0.89	1.22	1.76	1.48	1.93
18	1.75	0.82	0.93		0.87	1.80	1.02	0.86	1.34	1.55	1.31	1.86
19	1.78		1.39		0.86	1.90	1.14		1.33	1.30	1.10	1.81
20	1.70		1.54		0.91	1.91	1.33	0.96	1.26	1.12	1.06	1.71
21	1.67	1.67	1.16		1.72	1.76	1.40	1.24	1.14	1.00	1.76	1.67
22	1.70	1.32	1.01		2.09	1.44	1.24	1.29	1.14		1.67	1.84
23	1.75	1.07	1.08		1.94	1.25	1.20	1.19	1.12		1.75	1.85
24	1.81	0.96	1.78		1.75	1.10	1.38	1.22	1.15		1.75	1.85
25	1.92	0.95	1.65		1.66	1.07	1.48	1.13	1.34		1.76	1.89
26	2.27	0.98	1.21		1.76	1.08	1.33	0.86	1.56	1.04	1.76	1.98
27	2.24	0.92	1.00		1.89	1.22	1.29	0.88	1.82	1.12	1.71	2.10
28	2.25	0.88	0.86		1.78	1.41	1.30	0.96	1.89	1.10	1.81	2.11
29	2.35	0.83	0.81		---	1.48	1.23	0.92	1.86	1.02	1.86	2.03
30	2.37		0.84		---	1.21	1.31		2.28	0.93	1.92	1.99
31	2.25	---	2.00		---	0.90	---		---	0.92	2.14	---
MAX	4.03	---	---	---	---	1.91	---	---	---	---	---	2.38
MIN	1.67	---	---	---	---	0.90	---	---	---	---	---	1.67

300830089515000 LITTLE IRISH BAYOU AT STATE HIGHWAY 11 NEAR SLIDELL, LA

LOCATION.--Lat 30°04'51", long 89°55'06", in sec. 29, T. 11 S., R. 13 E., Orleans Parish, Hydrologic Unit 08090203, located on west side of bridge on State Highway 11.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 2002 to September 2003.

GAGE.--Water-stage recorder. Datum of gage is assumed elevation.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 6.43 ft, Sep. 26, 2002; minimum recorded, -0.96 ft, Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--2002 W.Y.: Maximum recorded gage height, 6.43 ft, Sept. 26; minimum recorded gage height, 0.02 ft, July 5.
2003 W.Y.: Maximum gage height, 4.61 ft, Oct. 3; minimum gage height, -0.96 ft, Jan. 19.

GAGE HEIGHT, FEET
WATER YEAR JUNE 2002 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										0.78	0.50	1.89
2										0.68	0.57	1.97
3										0.47	0.95	1.97
4										0.28	1.41	1.96
5										0.26	2.11	1.89
6										0.45	1.47	2.00
7										0.65	1.24	2.67
8										0.87	1.15	2.93
9										1.07	1.49	2.67
10										1.16	1.59	2.22
11										1.25	1.79	1.86
12										1.17	1.49	1.76
13										1.09	0.98	2.16
14										0.77	0.72	2.68
15										0.40	0.79	2.10
16										0.43	0.94	1.58
17										0.38	0.92	1.36
18									1.18	0.36	0.91	1.29
19									1.25	0.37	0.94	1.32
20									1.18	0.47	0.98	1.57
21									1.13	0.47	0.98	1.71
22									1.30	0.60	0.96	2.17
23									1.31	0.57	0.93	2.59
24									1.31	0.58	0.88	2.95
25									1.23	0.64	0.74	3.98
26									1.16	0.60	0.77	5.42
27									0.99	0.65	0.72	3.48
28									0.94	0.60	0.84	2.47
29									0.84	0.68	0.89	1.94
30									0.85	0.61	1.19	1.71
31									---	0.58	1.56	---
MAX									---	1.25	2.11	5.42
MIN									---	0.26	0.50	1.29

300830089515000 LITTLE IRISH BAYOU AT STATE HIGHWAY 11 NEAR SLIDELL, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.77	1.44	0.19	0.56	-0.01	1.13	-0.55	1.03	-0.37	2.48	0.36	2.04
2	2.20	1.47	0.35	0.54	-0.11	0.95	-0.05	0.86	-0.09	1.67	0.33	1.80
3	3.77	1.54	0.39	-0.26	0.10	1.11	0.47	0.63	0.15	1.43	0.36	1.64
4	3.34	1.50	0.59	-0.13	0.13	1.71	0.78	0.58	---	1.30	0.39	1.59
5	2.24	1.73	0.69	-0.07	0.30	1.29	0.93	0.68	---	1.23	0.26	1.53
6	1.53	0.96	0.50	-0.02	0.86	1.00	1.10	0.74	---	1.28	0.22	1.59
7	1.24	0.75	0.43	0.15	0.59	1.22	1.19	0.81	---	1.41	-0.03	1.57
8	1.42	0.70	0.36	-0.33	0.26	1.13	1.54	0.82	---	1.46	0.12	1.64
9	1.63	0.83	0.65	-0.40	0.50	1.04	1.39	0.90	---	1.32	0.41	1.54
10	1.79	1.03	1.19	-0.02	0.54	0.81	0.29	0.84	---	1.09	0.56	1.42
11	1.61	1.06	0.78	0.21	0.30	0.74	-0.06	0.49	---	0.90	0.63	1.41
12	1.41	1.20	0.88	0.45	0.33	0.83	0.16	0.50	---	0.91	0.78	1.54
13	1.26	0.66	1.38	0.54	0.21	0.85	0.35	0.53	---	0.98	0.87	1.64
14	1.41	0.67	0.06	0.34	0.38	0.77	0.32	0.61	---	1.18	0.96	1.41
15	1.56	0.98	-0.01	0.22	0.63	0.75	0.27	0.50	---	1.48	1.15	1.35
16	1.27	0.87	0.10	0.33	0.78	1.06	0.65	0.36	---	1.36	1.29	1.38
17	1.21	0.05	0.23	-0.24	0.16	1.47	0.59	0.44	---	1.11	1.04	1.35
18	1.14	-0.20	0.61	-0.25	0.12	1.32	0.59	0.32	---	0.83	0.75	1.34
19	1.31	0.02	0.98	-0.58	0.34	1.56	0.82	0.37	---	0.57	0.63	1.27
20	1.17	0.32	0.60	-0.44	0.42	1.18	0.97	0.57	---	0.50	0.60	1.04
21	1.25	0.54	0.25	-0.31	1.06	0.70	0.90	0.86	---	0.21	0.96	1.37
22	1.25	0.47	0.30	-0.08	1.26	0.53	0.76	0.84	---	-0.10	1.24	1.55
23	1.33	0.35	0.51	-0.27	0.40	0.51	0.76	0.86	---	-0.23	1.44	1.45
24	1.40	0.34	1.13	-0.22	0.59	0.39	1.16	0.85	---	0.15	1.45	1.52
25	1.43	0.47	0.05	-0.20	0.61	0.31	1.05	0.57	1.33	0.48	1.39	1.67
26	1.43	0.53	0.07	0.05	0.90	0.49	0.87	0.38	1.41	0.70	1.28	1.86
27	1.40	0.52	0.23	0.10	1.11	0.83	0.98	0.54	1.28	0.75	1.23	1.81
28	1.36	0.54	0.07	0.11	0.95	1.05	0.76	0.58	1.37	0.73	1.21	1.51
29	1.24	0.36	0.06	0.26	---	1.04	0.81	0.33	1.72	0.60	1.42	1.42
30	1.17	0.07	0.35	0.23	---	-0.04	0.96	-0.01	2.20	0.60	1.83	1.61
31	1.27	---	1.23	0.25	---	-0.36	---	-0.25	---	0.48	2.15	---
MAX	3.77	1.73	1.38	0.56	1.26	1.71	1.54	1.03	---	2.48	2.15	2.04
MIN	1.14	-0.20	-0.01	-0.58	-0.11	-0.36	-0.55	-0.25	---	-0.23	-0.03	1.04

3024260902559 SELSERS CREEK AT I-55 NEAR PONCHATOULA, LA

LOCATION.--Lat 30°24'26", long 90°25'59", in sec. 30, T. 7 S., R. 8 E., Tangipahoa Parish, Hydrologic Unit 08070204, located on east side of north bound bridge.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88. Prior to Oct. 1, 2001, datum of gage is 3.29 ft below NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 4.53 ft, Sept. 27, 2002; minimum gage height, -0.73 ft (revised to NAVD 88), Dec. 19, 20, 31, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.24 ft, Oct. 4; minimum gage height, -0.70 ft, Jan. 23.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.04	1.83	0.02	1.10	0.28	1.73	-0.38	1.29	-0.29	3.23	0.58	2.26
2	2.77	1.85	0.41	0.83	0.16	1.55	-0.05	1.22	-0.08	3.35	0.55	2.15
3	3.26	1.89	0.47	0.07	0.31	1.41	0.56	0.92	0.30	3.32	0.59	2.03
4	4.13	2.01	0.74	0.00	0.21	1.77	0.87	0.92	0.40	3.13	0.61	1.92
5	3.78	2.16	0.73	0.14	0.43	1.73	1.11	1.12	0.83	3.05	0.48	1.81
6	3.43	2.03	0.50	0.09	1.03	1.44	1.45	1.19	1.24	2.83	0.41	1.76
7	3.14	1.50	0.56	0.27	0.81	1.59	1.76	1.30	1.05	2.51	0.09	1.77
8	2.88	1.31	0.45	-0.11	0.37	1.53	2.61	1.23	0.85	2.37	0.10	1.87
9	2.58	1.44	0.52	-0.35	0.65	1.50	2.65	1.36	0.67	2.30	0.43	1.87
10	2.50	1.57	0.98	-0.13	0.81	1.15	2.39	1.41	0.47	2.10	0.63	1.79
11	2.37	2.00	0.92	0.15	0.50	1.10	2.21	0.99	0.56	1.83	0.75	1.80
12	2.16	2.14	0.91	0.50	0.58	1.17	1.89	0.77	0.51	1.63	0.89	1.92
13	1.92	1.58	1.38	0.59	0.45	1.39	1.33	0.86	0.70	1.46	1.12	2.01
14	1.72	1.20	0.39	0.45	0.73	1.38	0.87	0.99	0.78	1.50	1.13	1.80
15	1.68	1.32	0.05	0.28	0.90	1.18	0.63	0.78	0.88	1.74	1.27	1.66
16	1.43	0.96	0.19	0.37	1.14	1.34	0.88	0.73	0.91	1.71	1.52	1.63
17	1.36	0.36	0.32	-0.36	0.52	1.78	0.84	0.81	1.01	1.46	1.30	1.63
18	1.36	0.10	0.70	-0.33	0.45	1.76	0.70	0.52	1.18	1.17	1.02	1.57
19	1.62	0.20	1.09	-0.54	0.60	1.91	1.03	0.55	1.16	0.93	0.83	1.53
20	1.37	0.46	0.72	-0.41	0.69	1.77	1.29	0.81	1.05	1.07	0.72	1.36
21	1.43	0.74	0.45	-0.27	1.52	1.26	1.17	1.05	1.09	0.83	1.02	1.48
22	1.49	0.54	0.49	-0.11	2.30	0.83	0.92	0.98	1.07	0.23	1.28	1.70
23	1.53	0.50	0.86	-0.55	1.99	0.84	1.03	0.97	0.99	0.10	1.50	1.62
24	1.62	0.52	2.15	-0.33	1.84	0.72	1.50	1.05	1.06	0.48	1.59	1.69
25	1.68	0.60	1.64	-0.23	1.92	0.69	1.40	0.89	1.36	0.68	1.62	1.76
26	1.79	0.66	0.76	0.02	2.04	0.69	0.94	0.55	1.63	0.90	1.58	1.98
27	1.76	0.49	0.86	0.18	2.08	0.94	1.16	0.58	1.56	0.97	1.46	2.06
28	1.92	0.51	0.73	0.24	1.90	1.31	1.01	0.77	1.50	0.94	1.48	1.80
29	1.97	0.42	0.58	0.38	---	1.03	1.06	0.56	1.78	0.79	1.59	1.62
30	1.92	0.08	0.67	0.39	---	0.27	1.20	0.14	2.30	0.77	1.92	1.73
31	1.77	---	1.36	0.46	---	-0.19	---	-0.10	---	0.72	2.17	---
MAX	4.13	2.16	2.15	1.10	2.30	1.91	2.65	1.41	2.30	3.35	2.17	2.26
MIN	1.36	0.08	0.02	-0.55	0.16	-0.19	-0.38	-0.10	-0.29	0.10	0.09	1.36

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW ¼ SE ¼ 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

WATER-DISCHARGE RECORDS

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 NGVD of 1929 (Corps of Engineers levels). Prior to Mar. 23, 1989, nonrecording gage read twice daily. Prior to Dec. 12, 1987, water-stage recorder at same site and datum. Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records fair, except during periods of estimated daily discharge, which are poor. Small diversion above station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	4,320	8.9	2,050	96	118	93	e10	e4.7	112	39	22
2	6.1	2,060	8.1	1,160	65	83	99	e8.4	e30	118	52	28
3	729	768	111	299	41	63	88	e7.4	e110	81	48	370
4	3,270	1,410	1,690	126	38	71	84	e6.4	409	116	26	334
5	3,560	3,830	3,450	85	32	67	90	e5.7	181	166	18	827
6	2,380	5,010	3,320	66	360	128	122	e5.1	669	503	e14	499
7	1,180	4,900	1,750	54	1,900	94	77	e4.6	742	356	e12	89
8	860	3,960	630	47	1,630	60	495	e4.2	312	224	e9.5	26
9	664	1,800	233	43	490	48	1,070	e4.0	121	163	e8.0	5.0
10	1,010	679	182	44	337	36	428	e3.8	63	239	e6.7	3.5
11	787	602	164	33	220	31	120	e3.6	36	232	e5.6	44
12	309	402	134	30	128	26	107	e3.5	26	219	e4.7	287
13	139	192	660	29	82	166	102	e3.4	54	136	4.0	896
14	84	128	673	27	62	1,310	62	e6.7	111	117	3.8	634
15	62	94	250	25	553	941	85	e15	252	186	3.6	118
16	51	73	148	34	2,030	218	120	e14	268	222	3.5	39
17	47	55	127	30	1,400	685	87	e13	705	150	3.6	16
18	29	36	114	21	353	517	70	e13	1,340	589	3.5	7.2
19	23	25	101	18	123	212	26	23	1,130	394	3.4	5.5
20	15	21	213	17	115	148	36	e17	423	144	3.3	4.2
21	19	18	135	18	2,900	93	35	e13	666	86	43	4.4
22	28	15	96	23	5,120	88	80	e11	903	115	79	36
23	43	11	84	24	5,220	78	48	e9.4	411	80	28	47
24	34	9.9	751	19	4,510	95	51	e7.9	200	95	10	14
25	262	9.5	1,040	18	2,180	171	30	e6.5	144	72	5.3	4.6
26	1,640	9.4	370	17	657	301	20	e5.7	111	57	7.7	3.2
27	2,810	8.9	152	31	316	689	19	e5.1	622	52	13	3.0
28	4,430	9.2	109	37	187	298	15	e4.6	537	49	20	2.8
29	4,970	9.0	87	40	---	138	e15	e4.2	160	65	25	2.6
30	5,380	9.8	77	423	---	76	e12	e3.9	110	42	64	2.4
31	5,250	---	1,090	195	---	70	---	e3.7	---	25	50	---
TOTAL	40,080.1	30,474.7	17,958.0	5,083	31,145	7,119	3,786	246.8	10,850.7	5,205	617.2	4,374.4
MEAN	1,293	1,016	579	164	1,112	230	126	7.96	362	168	19.9	146
MAX	5,380	5,010	3,450	2,050	5,220	1,310	1,070	23	1,340	589	79	896
MIN	6.1	8.9	8.1	17	32	26	12	3.4	4.7	25	3.3	2.4
AC-FT	79,500	60,450	35,620	10,080	61,780	14,120	7,510	490	21,520	10,320	1,220	8,680
CFSM	9.87	7.75	4.42	1.25	8.49	1.75	0.96	0.06	2.76	1.28	0.15	1.11
IN.	11.38	8.65	5.10	1.44	8.84	2.02	1.08	0.07	3.08	1.48	0.18	1.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

	147	208	371	449	432	314	324	303	204	224	164	178
MEAN	147	208	371	449	432	314	324	303	204	224	164	178
MAX	1,293	1,016	1,748	1,562	1,615	1,167	1,238	2,362	894	1,519	1,456	961
(WY)	(2003)	(2003)	(1972)	(1998)	(1959)	(1980)	(1967)	(1953)	(1942)	(1946)	(1940)	(1973)
MIN	1.11	0.35	29.1	3.35	0.79	3.86	5.02	0.42	0.43	0.81	8.29	0.65
(WY)	(1939)	(2000)	(1959)	(2000)	(2000)	(1955)	(1963)	(1943)	(1948)	(1944)	(2000)	(2000)

08010000 BAYOU DES CANNES NEAR EUNICE, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	131,347.17		156,939.9		276	
ANNUAL MEAN	360		430		523	
HIGHEST ANNUAL MEAN					79.4	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	5,380	Oct 30	5,380	Oct 30	11,700	May 20, 1953
LOWEST DAILY MEAN	0.77	Sep 5	2.4	Sep 30	0.00	May 6, 1939
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 30	3.5	Aug 14	0.00	May 9, 1939
MAXIMUM PEAK FLOW			5,410	Oct 30	11,900	May 20, 1953
MAXIMUM PEAK STAGE			19.00	Oct 30	22.36	May 20, 1953
INSTANTANEOUS LOW FLOW			2.4	Sep 30	a0.00	Oct 1, 1939
ANNUAL RUNOFF (AC-FT)	260,500		311,300		199,900	
ANNUAL RUNOFF (CFSM)	2.75		3.28		2.11	
ANNUAL RUNOFF (INCHES)	37.30		44.57		28.62	
10 PERCENT EXCEEDS	776		1,110		750	
50 PERCENT EXCEEDS	50		81		46	
90 PERCENT EXCEEDS	4.4		5.7		3.8	

a No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77, 1999-2003.

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.48	18.17	1.47	15.88	3.58	4.47	3.95	---	---	4.35	2.53	2.02
2	1.31	15.62	1.43	13.24	2.83	3.72	4.07	---	---	4.47	2.90	2.20
3	7.54	11.41	3.18	6.93	2.21	3.22	3.83	---	---	3.66	2.79	7.63
4	17.28	14.05	14.74	4.21	2.14	3.42	3.74	---	8.35	4.43	2.16	7.55
5	17.56	17.72	17.46	3.33	1.97	3.33	3.88	---	5.52	5.32	1.84	12.01
6	16.26	18.71	17.33	2.84	5.91	4.65	4.55	---	10.69	9.25	---	9.05
7	13.53	18.63	15.03	2.54	15.56	3.95	3.58	---	11.35	7.80	---	3.80
8	12.27	17.88	9.53	2.38	14.86	3.14	8.60	---	7.27	6.23	---	2.18
9	10.71	15.15	5.36	2.27	8.96	2.84	13.26	---	4.49	5.30	1.73	1.22
10	13.06	10.77	4.60	2.31	7.66	2.52	8.37	---	3.22	6.44	---	1.10
11	11.63	10.19	4.31	2.01	5.98	2.38	4.49	---	2.52	6.35	---	2.53
12	7.25	8.29	3.77	1.89	4.25	2.20	4.24	---	2.19	6.14	1.11	6.64
13	4.85	5.75	9.82	1.87	3.24	4.26	4.11	---	3.00	4.79	1.09	12.49
14	3.73	4.66	9.97	1.79	2.74	13.99	3.20	---	3.98	4.44	1.08	10.34
15	3.18	3.98	5.56	1.72	7.72	12.20	3.75	1.79	6.59	5.67	1.06	4.41
16	2.91	3.48	4.03	2.02	15.83	6.08	4.50	---	6.83	6.21	1.04	2.62
17	2.81	3.01	3.64	1.89	14.12	10.84	3.80	---	10.84	5.06	1.06	1.84
18	2.31	2.50	3.39	1.58	7.49	9.36	3.38	---	14.12	9.97	1.05	1.41
19	2.10	2.16	3.11	1.46	4.14	6.06	2.20	2.10	13.32	8.12	1.04	1.30
20	1.76	2.04	5.09	1.44	3.97	5.01	2.51	1.81	8.44	4.92	1.03	1.19
21	1.92	1.90	3.79	1.46	15.33	3.95	2.49	---	10.40	3.74	2.23	1.19
22	2.27	1.77	3.01	1.67	18.80	3.84	3.63	---	12.51	4.39	3.53	2.49
23	2.72	1.58	2.74	1.68	18.87	3.58	2.83	---	8.32	3.62	2.23	2.83
24	2.44	1.53	10.10	1.51	18.33	3.96	2.92	---	5.89	3.96	1.49	1.74
25	5.10	1.50	12.75	1.44	15.77	5.43	2.34	---	4.96	3.41	1.20	1.23
26	14.92	1.50	6.86	1.43	10.48	6.96	2.00	---	4.32	3.03	1.32	1.11
27	16.74	1.48	4.09	1.90	7.44	10.91	1.93	---	10.25	2.91	1.60	1.08
28	18.27	1.49	3.29	2.11	5.67	7.07	1.79	---	9.53	2.83	1.80	1.06
29	18.68	1.48	2.82	2.18	---	4.85	1.77	---	5.22	3.23	2.10	1.04
30	18.98	1.52	2.56	8.45	---	3.53	---	---	4.32	2.62	3.03	1.02
31	18.89	---	11.89	5.45	---	3.39	---	---	---	2.14	2.86	---
MAX	18.98	18.71	17.46	15.88	18.87	13.99	---	---	---	9.97	---	12.49
MIN	1.31	1.48	1.43	1.43	1.97	2.20	---	---	---	2.14	---	1.02

08010200 BAYOU PLAQUEMINE BRULE' AT CHURCH POINT, LA

LOCATION.--Lat 30°18'06", long 92°20'36", sec. 40, T. 7 S., R. 2 E., Louisiana Meridian, Acadia Parish, Hydrologic Unit 08080201, on downstream side of bridge on State Highway 35 in Church Point.

DRAINAGE AREA.--126 mi²

PERIOD OF RECORD.--October 1955 to October 1963 (low-flow station, discharge measurements of base flow only). October 1967 to September 1971 (miscellaneous measurements of discharge). May 2002 to September 2003.

GAGE.--Water-stage recorder. Datum of gage is 18.00 ft above NAVD 88.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 25.07 ft, Feb. 22, 2003; minimum gage height, 3.81 ft, Oct. 2, 2002.

EXTREMES FOR CURRENT YEAR.--2002 W.Y. (May to September): Maximum gage height, 10.75 ft, Aug. 16; minimum gage height, 3.48 ft, June 7. 2003 W.Y.: Maximum gage height, 25.07 ft, Feb. 22; minimum gage height, 3.81 ft, Oct. 2.

GAGE HEIGHT, FEET
WATER YEAR MAY 2002 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								3.97	---	4.22	4.43	3.85
2								3.91	---	4.78	3.98	3.76
3								3.87	---	4.31	3.69	3.75
4								3.79	---	4.04	3.77	3.77
5								3.95	3.71	4.35	3.71	3.80
6								3.94	3.55	4.62	3.72	3.74
7								3.77	3.57	4.84	3.83	3.73
8								3.77	3.60	4.15	3.88	3.73
9								3.98	3.89	3.77	3.86	3.87
10								4.33	3.86	4.44	3.88	3.78
11								4.12	4.29	4.02	3.94	3.74
12								3.89	4.32	7.66	4.13	3.73
13								3.76	3.98	4.80	4.20	3.73
14								3.67	3.74	7.19	4.72	3.72
15								3.71	3.71	7.73	6.12	3.73
16								3.76	3.71	9.22	9.60	3.76
17								3.58	3.64	6.22	6.01	3.80
18								3.62	3.57	5.11	5.91	3.77
19								4.19	4.02	4.96	5.47	3.75
20								4.21	3.70	4.70	5.13	4.26
21								4.20	3.75	4.21	4.63	4.05
22								3.86	3.86	3.88	4.31	3.92
23								3.79	3.81	3.75	4.24	3.84
24								3.69	4.09	4.00	4.15	3.82
25								3.70	4.51	4.19	4.41	3.91
26								3.75	4.41	3.96	4.43	4.09
27								3.71	4.74	3.82	4.16	4.01
28								---	5.31	3.93	4.49	3.99
29								---	5.04	3.73	4.47	3.92
30								---	4.44	4.21	4.17	3.89
31								---	---	4.63	3.97	---
MAX								---	---	9.22	9.60	4.26
MIN								---	---	3.73	3.69	3.72

08010200 BAYOU PLAQUEMINE BRULE' AT CHURCH POINT, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.86	5.41	4.05	12.80	4.39	5.53	4.40	4.63	4.46	5.04	4.62	4.62
2	3.87	4.93	4.09	6.68	4.32	5.34	4.38	4.76	4.23	5.20	4.75	4.56
3	10.93	4.74	5.44	5.39	4.28	5.20	4.37	4.56	4.50	5.07	4.59	4.73
4	19.40	8.33	15.31	4.95	4.30	5.22	4.34	4.66	4.80	5.16	4.42	5.51
5	12.81	18.00	16.90	4.74	4.30	5.24	4.75	4.61	4.78	5.88	4.26	4.71
6	6.35	19.87	8.73	4.59	8.91	5.40	6.89	4.56	10.68	5.36	4.17	4.63
7	4.86	11.04	5.68	4.49	14.05	5.22	5.12	4.81	6.52	4.90	4.12	4.58
8	4.55	6.26	5.13	4.43	6.70	5.01	8.72	4.48	4.99	5.06	4.06	4.46
9	5.32	5.53	4.84	4.42	5.45	4.96	7.62	4.24	4.58	5.36	4.00	4.30
10	5.55	5.16	4.77	4.42	6.52	4.88	5.53	4.24	4.79	5.07	3.97	4.17
11	5.02	8.62	4.76	4.36	5.37	4.80	4.98	4.21	6.01	5.17	4.04	5.53
12	4.63	7.46	4.75	4.30	5.04	4.76	4.75	4.17	5.86	5.04	4.62	10.03
13	4.37	5.42	8.20	4.26	4.73	7.60	4.58	4.42	6.04	4.89	4.46	9.95
14	4.26	4.91	6.41	4.22	4.53	12.88	4.48	4.65	5.25	4.64	4.42	7.39
15	4.16	4.87	5.17	4.19	9.90	6.78	4.44	4.30	10.10	4.61	4.35	4.88
16	4.15	4.73	4.79	4.20	14.18	5.67	4.42	4.19	16.89	4.64	4.39	4.56
17	4.13	4.55	4.85	4.21	6.67	9.63	4.52	4.09	9.18	5.67	4.21	4.47
18	4.05	4.46	4.68	4.18	5.27	6.86	4.57	4.05	13.19	11.88	4.11	4.38
19	4.03	4.41	4.77	4.21	4.89	6.65	4.49	4.25	6.54	6.41	4.05	4.27
20	4.11	4.34	5.10	4.25	4.88	5.77	4.36	4.33	5.08	5.75	4.02	4.20
21	4.09	4.29	4.77	4.28	21.07	5.09	4.74	4.64	14.70	4.83	4.00	4.17
22	4.15	4.25	4.55	4.32	24.93	4.88	4.94	4.64	17.13	4.67	3.99	4.95
23	4.13	4.24	4.61	4.30	22.01	4.73	4.38	4.54	12.26	4.71	3.97	4.65
24	4.25	4.19	7.64	4.29	12.12	4.68	4.23	4.40	7.40	4.50	3.96	4.48
25	6.48	4.19	6.44	4.28	6.86	4.71	4.23	4.44	5.86	4.39	3.95	4.34
26	11.70	4.15	5.15	4.29	5.97	4.77	4.18	4.60	10.80	4.43	3.94	4.22
27	16.25	4.13	4.74	4.35	7.31	5.19	4.29	4.90	11.68	4.78	4.23	4.10
28	20.30	4.10	4.52	4.32	6.15	4.95	4.30	5.28	6.42	4.53	4.58	4.03
29	16.86	4.08	4.39	4.38	---	4.67	4.20	4.43	5.37	4.61	4.95	3.99
30	13.75	4.10	4.34	4.74	---	4.57	4.27	4.76	5.17	4.57	4.66	3.97
31	7.22	---	12.74	4.57	---	4.46	---	5.04	---	4.50	4.59	---
MAX	20.30	19.87	16.90	12.80	24.93	12.88	8.72	5.28	17.13	11.88	4.95	10.03
MIN	3.86	4.08	4.05	4.18	4.28	4.46	4.18	4.05	4.23	4.39	3.94	3.97

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 right 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 3.58 ft above NAVD 88. Prior to May 2003 datum of gage was 3.39 ft NGVD of 1929. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station from July 7, 1979 to Sep. 30, 1984. Mar. 27, 1945 to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good except period of estimated daily discharge which is rated poor. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e93	e8,910	e91	e5,130	e535	e622	e523	e100	25	175	91	59
2	e70	e5,150	e86	e3,360	e401	e479	e545	e88	17	189	140	99
3	e2,390	e2,480	e593	e1,240	e283	e390	e500	e80	13	203	113	134
4	e7,250	e3,880	e4,450	e653	e268	e425	e483	e72	e17	212	94	113
5	e7,730	e8,160	e7,550	e489	e237	e409	e508	e66	40	222	74	262
6	e5,730	e9,950	e7,340	e402	e1,420	e661	e638	e61	83	253	54	361
7	e3,410	e9,790	e4,570	e348	e4,860	e523	e453	e56	211	306	73	236
8	e2,700	e8,370	e2,140	e315	e4,340	e376	e1,790	e53	252	307	155	136
9	e2,230	e4,660	e1,030	e294	e1,780	e321	e3,170	e51	e220	331	100	76
10	e3,040	e2,270	e855	e301	e1,350	e258	e1,610	e49	176	331	55	45
11	e2,530	e2,070	e793	e244	e984	e232	e628	e47	125	292	44	30
12	e1,270	e1,540	e683	e223	e661	e202	e577	e46	84	278	35	97
13	e700	e889	e2,220	e220	e473	e798	e556	e45	99	332	28	659
14	e481	e660	e2,250	e206	e384	e3,690	e387	e74	187	353	25	841
15	e384	e527	e1,080	e195	e1,950	e2,890	e486	e135	292	299	21	599
16	e335	e436	e734	e247	e5,090	e978	e629	e128	458	315	e19	331
17	e314	e353	e655	e225	e3,860	e2,280	e494	e121	604	342	17	171
18	e220	e256	e606	e173	e1,400	e1,850	e420	e121	836	413	14	91
19	e185	e196	e554	e155	e641	e959	e204	e186	838	650	13	52
20	e132	e176	e963	e151	e609	e734	e257	e148	990	498	13	34
21	e159	e154	e688	e154	e6,630	e522	e253	e121	1,680	302	13	28
22	e213	e135	e532	e187	e10,100	e501	e465	e107	1,920	191	199	91
23	e296	e107	e483	e189	e10,300	e456	e319	e96	1,840	195	419	351
24	e245	e99	e2,440	e162	e9,210	e531	e336	e84	e1,400	171	319	360
25	e1,120	e96	e3,110	e152	e5,370	e818	e227	e73	e740	133	160	240
26	e4,350	e96	e1,450	e150	e2,210	e1,240	e170	27	e370	136	77	141
27	e6,480	e92	e748	e233	e1,290	e2,290	e159	35	e240	143	45	86
28	e9,090	e94	e585	e264	e875	e1,230	e137	53	e320	124	58	59
29	e9,890	e93	e498	e280	---	e698	e135	47	e380	111	127	41
30	e10,500	e99	e451	e1,600	---	e448	e114	35	e270	89	135	29
31	e10,300	---	e3,230	e900	---	e422	---	33	---	77	85	---
TOTAL	93,837	71,788	53,458	18,842	77,511	28,233	17,173	2,438	14,727	7,973	2,815	5,852
MEAN	3,027	2,393	1,724	608	2,768	911	572	78.6	491	257	90.8	195
MAX	10,500	9,950	7,550	5,130	10,300	3,690	3,170	186	1,920	650	419	841
MIN	70	92	86	150	237	202	114	27	13	77	13	28
AC-FT	186,100	142,400	106,000	37,370	153,700	56,000	34,060	4,840	29,210	15,810	5,580	11,610
CFSM	5.74	4.54	3.27	1.15	5.25	1.73	1.09	0.15	0.93	0.49	0.17	0.37
IN.	6.62	5.07	3.77	1.33	5.47	1.99	1.21	0.17	1.04	0.56	0.20	0.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

	356	545	1,136	1,445	1,474	1,155	1,077	994	526	541	404	434
MEAN	356	545	1,136	1,445	1,474	1,155	1,077	994	526	541	404	434
MAX	3,027	4,751	4,259	5,850	6,528	3,301	5,598	9,202	2,459	4,695	5,169	3,109
(WY)	(2003)	(1986)	(1972)	(1998)	(1955)	(1980)	(1995)	(1953)	(1940)	(1989)	(1940)	(1979)
MIN	3.81	10.3	46.4	18.4	8.28	124	12.9	7.05	0.38	10.8	23.0	9.96
(WY)	(1949)	(1951)	(1959)	(2000)	(2000)	(1962)	(1946)	(1951)	(1948)	(1944)	(1947)	(1999)

08012000 BAYOU NEZPIQUE NEAR BASILE, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	433,104		394,647			
ANNUAL MEAN	1,187		1,081		838	
HIGHEST ANNUAL MEAN					1,639	1973
LOWEST ANNUAL MEAN					169	2000
HIGHEST DAILY MEAN	10,500	Oct 30	10,500	Oct 30	35,100	May 20, 1953
LOWEST DAILY MEAN	15	Sep 5	13	Jun 3	a0.10	Jun 7, 1943
ANNUAL SEVEN-DAY MINIMUM	22	Aug 30	16	Aug 15	0.10	Jun 22, 1948
MAXIMUM PEAK FLOW			Unknown		35,800	May 20, 1953
MAXIMUM PEAK STAGE			Unknown		34.39	May 20, 1953
INSTANTANEOUS LOW FLOW			12	Aug 20	a0.10	Jun 29, 1948
ANNUAL RUNOFF (AC-FT)	859,100		782,800		607,000	
ANNUAL RUNOFF (CFSM)	2.25		2.05		1.59	
ANNUAL RUNOFF (INCHES)	30.57		27.86		21.60	
10 PERCENT EXCEEDS	3,100		3,130		2,570	
50 PERCENT EXCEEDS	407		314		170	
90 PERCENT EXCEEDS	56		54		12	

a Also occurred June 8-31, 1943; June 22-29, 1948.

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	2.47	5.15	3.75	3.14
2	---	---	---	---	---	---	---	---	2.24	5.36	4.60	3.88
3	---	---	---	---	---	---	---	---	2.14	5.57	4.14	4.51
4	---	---	---	---	---	---	---	---	---	5.70	3.80	4.14
5	---	---	---	---	---	---	---	---	2.84	5.84	3.46	6.29
6	---	---	---	---	---	---	---	---	3.62	6.26	3.11	7.57
7	---	---	---	---	---	---	---	---	5.67	6.94	3.44	6.02
8	---	---	---	---	---	---	---	---	6.25	6.96	4.83	4.53
9	---	---	---	---	---	---	---	---	---	7.23	3.91	3.48
10	---	---	---	---	---	---	---	---	5.15	7.24	3.13	2.80
11	---	---	---	---	---	---	---	---	4.36	6.77	2.90	2.37
12	---	---	---	---	---	---	---	---	3.63	6.60	2.69	3.54
13	---	---	---	---	---	---	---	---	3.88	7.25	2.49	10.40
14	---	---	---	---	---	---	---	---	5.31	7.50	2.37	11.93
15	---	---	---	---	---	---	---	---	6.75	6.86	2.23	9.92
16	---	---	---	---	---	---	---	---	8.61	7.05	2.12	7.20
17	---	---	---	---	---	---	---	---	9.97	7.37	2.08	5.08
18	---	---	---	---	---	---	---	---	11.89	8.09	1.98	3.75
19	---	---	---	---	---	---	---	---	11.91	10.39	1.92	2.97
20	---	---	---	---	---	---	---	---	12.97	9.00	1.91	2.50
21	---	---	---	---	---	---	---	---	16.11	6.87	1.91	2.28
22	---	---	---	---	---	---	---	---	17.07	5.39	5.30	3.59
23	---	---	---	---	---	---	---	---	16.82	5.45	8.21	7.45
24	---	---	---	---	---	---	---	---	---	5.08	7.07	7.56
25	---	---	---	---	---	---	---	---	---	4.49	4.91	6.07
26	---	---	---	---	---	---	---	2.53	---	4.54	3.48	4.61
27	---	---	---	---	---	---	---	2.74	---	4.64	2.79	3.67
28	---	---	---	---	---	---	---	3.11	---	4.34	3.06	3.13
29	---	---	---	---	---	---	---	3.00	---	4.11	4.38	2.69
30	---	---	---	---	---	---	---	2.74	---	3.71	4.51	2.32
31	---	---	---	---	---	---	---	2.69	---	3.50	3.63	---
MAX	---	---	---	---	---	---	---	---	---	10.39	8.21	11.93
MIN	---	---	---	---	---	---	---	---	---	3.50	1.91	2.28

08012150 MERMENTAU RIVER AT MERMENTAU, LA

LOCATION.--Lat 30°11'23", long 92°35'25", on line between secs. 14 and 31, T. 10 S., R. 2 W., on parish line of Jefferson Davis and Acadia Parishes, Hydrologic Unit 08080202, on downstream side of U.S. Highway 90 bridge, 300 ft. upstream from Southern Pacific Transportation Company railroad bridge, 0.25 mi west of Mermentau, and 2.0 mi downstream from confluence with Bayous Nezpique and Des Cannes.

DRAINAGE AREA.--1,381 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year. August 1941 to September 1984 (gage-height records only), in files of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and acoustic doppler. Datum of gage is 0.54 ft. below NGVD 1929 (datum of gage prior to Oct. 1998 and for water years 1997 to 2002 published incorrectly) or water years. Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--No estimated daily discharges. Discharge is affected by tide and wind at medium and low stages. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 38,200 ft³/s, July 5, 1989; maximum negative discharge, -11,500 ft³/s, Dec. 31, 1984; maximum gage height, 10.97 ft, Nov. 2, 1985; minimum gage height, -0.03 ft, Aug. 15, 1985; no flow at times each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.5 ft, August 1940; minimum gage height, -0.94 ft, July 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 26,300 ft³/s, Nov. 6; maximum gage height, 6.97 ft, Nov. 7; maximum negative discharge, -4,510 ft³/s, April 6; minimum gage height, 0.96 ft, May 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-74	22,100	350	6,350	1,460	10,500	37	396	-146	2,660	-452	-357
2	76	21,500	81	6,190	977	8,230	336	136	-608	1,630	-113	-36
3	5,190	19,600	901	5,020	728	6,860	132	126	-77	1,230	-632	266
4	10,300	18,800	5,830	4,620	2,610	5,440	-49	-1,610	910	1,160	-894	549
5	10,600	21,100	9,600	4,830	1,820	4,940	819	-1,410	933	1,370	-810	1,600
6	10,000	24,500	9,630	4,740	3,020	4,820	-1,730	-185	241	1,130	-1,160	1,170
7	8,940	25,100	9,640	4,050	6,600	3,770	1,350	-499	995	1,170	-226	804
8	7,450	24,500	8,970	3,480	5,840	3,300	4,240	-787	548	2,920	253	310
9	7,070	23,500	8,860	2,700	4,080	2,670	4,480	-763	---	3,470	216	165
10	8,560	21,300	8,200	2,490	4,950	2,020	2,980	-1,420	---	2,880	84	-0.31
11	8,410	18,300	7,000	1,190	5,060	1,070	2,720	635	-215	1,950	54	-401
12	7,210	16,000	6,130	639	4,880	1,320	3,220	1,010	773	2,790	264	1,530
13	6,690	13,100	6,670	603	4,430	1,820	2,880	46	1,030	1,480	191	4,770
14	5,490	10,500	6,790	736	3,450	4,800	2,010	-467	1,580	1,680	164	4,670
15	---	9,090	5,380	444	4,950	4,450	979	-69	2,570	60	-70	3,680
16	---	7,820	4,490	587	7,970	4,110	-247	-710	3,570	1,420	-188	2,320
17	---	5,780	3,970	309	7,540	5,070	1,240	33	3,430	1,590	-160	1,310
18	---	4,770	3,280	264	5,570	4,680	767	289	2,510	1,990	-458	1,050
19	---	4,750	3,600	4.9	5,450	4,300	-215	536	2,020	2,300	-653	456
20	---	3,970	3,290	-508	5,430	4,750	831	675	1,760	1,480	-597	257
21	---	2,950	1,940	-281	11,300	4,490	1,700	1,290	3,600	873	---	-493
22	---	1,670	1,840	672	19,000	3,910	1,000	1,160	8,440	361	---	1,420
23	---	476	372	582	21,500	3,710	71	700	10,600	1,350	---	1,200
24	---	622	2,730	367	22,200	2,930	-618	189	10,900	1,310	---	950
25	---	995	2,700	466	22,600	2,510	950	-37	9,220	794	189	992
26	---	1,440	2,380	557	21,300	2,690	1,300	295	7,100	1,100	-253	433
27	---	1,080	2,730	192	18,300	1,280	867	739	6,790	638	-319	183
28	---	359	3,120	-168	13,900	1,990	733	418	5,470	294	-23	698
29	17,400	359	2,130	-546	---	2,580	511	256	3,800	56	-285	178
30	20,200	664	1,090	1,400	---	2,530	409	-797	4,030	-331	160	414
31	21,600	---	4,090	1,390	---	879	---	-553	---	-447	-260	---
TOTAL	---	326,695	137,784	53,369.9	236,915	118,419	33,703	-378	---	42,358	---	30,087.69
MEAN	---	10,890	4,445	1,722	8,461	3,820	1,123	-12.2	---	1,366	---	1,003

08012150 MERMENTAU RIVER AT MERMENTAU, LA—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.38	6.33	2.18	2.28	1.79	3.49	1.98	1.87	1.09	2.33	1.76	2.01
2	2.36	6.26	2.19	2.26	1.90	3.12	1.93	1.84	1.17	2.33	1.74	1.94
3	2.53	6.03	2.23	2.08	1.97	2.86	1.93	1.85	1.10	2.33	1.73	1.91
4	3.52	5.85	2.71	2.12	1.67	2.83	1.98	2.03	1.17	2.35	1.72	1.83
5	3.73	6.33	2.95	2.13	1.74	2.79	1.89	2.08	1.25	2.41	1.70	1.80
6	3.75	6.86	3.00	2.01	1.93	2.65	2.21	2.05	1.35	2.41	1.69	1.77
7	3.68	6.93	3.10	1.92	2.00	2.56	2.18	2.01	1.27	2.39	1.56	1.79
8	3.51	6.92	3.06	1.92	2.06	2.52	2.37	1.99	1.33	2.40	1.46	1.84
9	3.63	6.79	2.94	1.96	2.12	2.42	2.29	2.03	---	2.45	1.49	1.84
10	3.94	6.45	2.86	1.65	2.16	2.28	2.33	2.07	---	2.39	1.47	1.86
11	3.93	6.05	2.77	1.53	2.15	2.27	2.33	1.79	1.41	2.31	1.41	1.86
12	3.75	5.54	2.72	1.48	2.15	2.27	2.29	1.60	1.36	2.35	1.45	2.11
13	3.53	5.07	2.84	1.51	2.13	2.27	2.21	1.69	1.46	2.30	1.52	2.29
14	3.29	4.71	2.73	1.55	2.24	2.36	2.11	1.71	1.57	2.27	1.52	2.29
15	---	4.47	2.60	1.55	2.34	2.40	2.11	1.69	1.65	2.43	1.39	2.23
16	---	4.12	2.56	1.54	2.48	2.40	2.17	1.78	1.87	2.41	1.51	2.20
17	---	3.93	2.54	1.32	2.38	2.67	2.05	1.77	2.02	2.31	1.46	2.21
18	---	3.86	2.55	1.55	2.37	2.73	1.98	1.51	2.06	2.24	1.55	2.19
19	---	3.69	2.50	1.60	2.38	2.84	2.11	1.50	2.08	2.21	1.55	2.15
20	---	3.52	2.32	1.74	2.30	2.85	2.06	1.39	2.06	2.13	1.54	2.12
21	---	3.34	2.28	1.76	3.03	2.66	1.92	1.25	2.25	2.06	1.55	2.22
22	---	3.13	2.17	1.48	4.17	2.54	1.89	1.20	2.58	1.99	1.58	2.36
23	---	3.09	2.18	1.22	4.62	2.42	1.98	1.23	2.80	1.87	1.60	2.39
24	---	3.00	2.23	1.43	4.95	2.39	2.20	1.29	2.90	1.76	1.60	2.41
25	---	2.90	1.93	1.54	5.04	2.37	2.07	1.30	2.83	1.79	1.68	2.37
26	---	2.70	1.94	1.51	4.96	2.24	1.82	1.23	2.63	1.79	1.70	2.36
27	---	2.42	1.96	1.60	4.62	2.19	1.83	1.08	2.54	1.77	1.70	2.32
28	---	2.39	1.90	1.72	4.01	2.22	1.87	1.13	2.41	1.78	1.71	2.22
29	5.54	2.41	1.93	1.79	---	1.82	1.88	1.12	2.35	1.76	1.73	2.16
30	6.08	2.32	1.98	1.63	---	1.74	1.88	1.17	2.34	1.76	1.79	2.15
31	6.27	---	2.18	1.74	---	1.87	---	1.18	---	1.73	1.98	---
MAX	---	6.93	3.10	2.28	5.04	3.49	2.37	2.08	---	2.45	1.98	2.41
MIN	---	2.32	1.90	1.22	1.67	1.74	1.82	1.08	---	1.73	1.39	1.77

08012150 MERMENTAU RIVER AT MERMENTAU, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1979-1993, 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to September 1982, May 2000 to current year.

WATER TEMPERATURE: April 1980 to September 1982, May 2000 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Nov. 21-Dec. 13, Feb. 14-15, Aug. 4-11, and Sept. 20-30 when records good.

TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 631 microsiemens/cm, June 8, 2003; minimum, 45 microsiemens/cm, Feb. 15, 2003.

WATER TEMPERATURE: Maximum daily, 32.9°C July 21; minimum daily, 6.0°C Jan. 17, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO ₃ (39086)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT 22...	1045	--	3.0	7.0	140	20.2	47	8.92	1.2	1.5	0.24	<0.06	<0.008
DEC 16...	0930	5,080	7.7	7.5	72	10.5	19	7.25	2.7	0.80	0.05	0.10	E.004
FEB 28...	0915	14,600	6.8	7.4	55	12.9	18	4.19	1.9	0.82	0.06	0.09	E.004
MAR 27...	1145	1,290	--	7.5	117	19.0	38	9.15	2.8	1.6	0.14	0.28	0.017
APR 22...	0800	1,610	2.5	7.6	201	21.9	62	19.4	3.4	1.7	0.13	0.33	0.026
MAY 20...	0715	919	3.1	7.7	314	26.9	96	32.3	4.2	1.6	<0.04	0.50	0.022
JUN 25...	0815	9,140	2.9	7.0	130	28.1	37	8.61	2.1	1.0	0.11	0.27	0.024
AUG 13...	0730	586	1.3	7.7	229	29.1	73	22.9	4.0	0.93	0.09	0.06	E.004n

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
OCT 22...	0.17	0.45	<0.006	<0.006	<0.006	<0.004	<0.005	0.018	<0.050	<0.010	<0.002	<0.041	<0.020
DEC 16...	0.04	0.160	<0.006	<0.006	<0.006	<0.004	<0.005	0.008	<0.050	<0.010	<0.002	<0.041	<0.020
FEB 28...	0.04	0.171	<0.006	<0.006	<0.006	<0.004	<0.005	0.013	<0.050	<0.010	<0.002	<0.041	<0.020
MAR 27...	0.07	0.36	<0.006	E.005	<0.006	<0.007	<0.005	0.085	<0.050	<0.010	<0.002	<0.041	<0.020
APR 22...	0.07	0.41	<0.006	E.065	<0.006	<0.004	<0.005	1.78	<0.050	<0.010	<0.002	E.009	<0.020
MAY 20...	0.04	0.38	<0.006	E.023	<0.006	<0.004	<0.005	0.480	<0.050	<0.010	<0.002	<0.041	<0.020
JUN 25...	0.10	0.24	<0.006	E.013	<0.006	<0.004	<0.005	0.109	<0.050	<0.010	<0.002	E.014	<0.020
AUG 13...	0.06	0.158	<0.006	E.012	<0.006	<0.004	<0.005	0.318	<0.050	<0.010	<0.002	<0.041	<0.020

08012150 MERMENTAU RIVER AT MERMENTAU, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfuralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl- fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)
OCT 22...	<0.005	<0.006	<0.018	<0.003	0.006	0.010	<0.005	<0.02	<0.002	<0.009	<0.005	E.007	0.009
DEC 16...	<0.005	<0.006	<0.018	<0.003	E.003	E.007	<0.005	<0.02	<0.002	<0.009	<0.005	E.004	0.005
FEB 28...	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
MAR 27...	<0.005	<0.006	<0.018	<0.003	0.005	0.009	<0.005	<0.02	<0.002	<0.009	<0.005	E.006	0.008
APR 22...	<0.005	<0.006	<0.018	<0.003	0.018	0.015	<0.005	<0.02	<0.002	<0.009	<0.005	E.007	E.013
MAY 20...	<0.005	<0.006	<0.018	<0.003	0.037	0.005	<0.005	<0.02	<0.002	<0.009	<0.005	E.007	0.015
JUN 25...	<0.005	<0.006	<0.018	<0.003	0.005	0.010	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	0.007
AUG 13...	<0.005	<0.006	<0.018	<0.003	<0.004	0.009	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	0.011

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)
OCT 22...	0.010	E.003	<0.003	<0.004	<0.035	<0.027	<0.006	0.017	<0.006	<0.050	<0.007	<0.003	<0.010
DEC 16...	E.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	E.007n	<0.006	0.002	<0.007	<0.003	<0.010
FEB 28...	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.015	<0.006	<0.002	<0.007	<0.003	<0.010
MAR 27...	0.008	E.015	<0.003	<0.004	<0.035	<0.027	<0.006	0.016	<0.006	0.006	<0.007	<0.003	<0.010
APR 22...	E.013	E.075	<0.003	<0.004	<0.035	<0.027	<0.006	0.154	<0.006	0.008	<0.007	<0.003	<0.010
MAY 20...	0.012	E.117	<0.003	<0.004	<0.035	E.007n	<0.006	0.050	<0.006	0.012	<0.007	<0.003	<0.010
JUN 25...	0.009	<0.007	<0.003	<0.004	<0.035	E.013n	<0.006	0.047	<0.006	0.056	<0.007	<0.003	<0.010
AUG 13...	0.012	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	0.014	<0.006	0.009	<0.007	<0.003	<0.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)
OCT 22...	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	<0.005	0.03	<0.034	<0.02	<0.005
DEC 16...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.006	0.03	<0.034	<0.02	<0.005
FEB 28...	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	<0.005	0.03	<0.034	<0.02	<0.005
MAR 27...	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	<0.005	0.05	<0.034	<0.02	<0.005
APR 22...	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.016	0.06	<0.034	<0.02	<0.005
MAY 20...	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.005	0.04	<0.034	<0.02	<0.005
JUN 25...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	0.03	<0.034	<0.02	<0.005
AUG 13...	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	<0.005	E.05	<0.034	<0.02	<0.005

08012150 MERMENTAU RIVER AT MERMENTAU, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)
OCT 22...	<0.002	<0.009	--	--
DEC 16...	<0.002	<0.009	43	590
FEB 28...	<0.002	<0.009	63	2,480
MAR 27...	<0.002	<0.009	108	376
APR 22...	<0.002	<0.009	171	743
MAY 20...	<0.002	<0.009	205	509
JUN 25...	<0.002	<0.009	53	1,310
AUG 13...	<0.002	<0.009	32	51

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

n -- Below the NDV

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1969 to September 1974 (annual peaks), October 1974 to September 1985 (gage height only), October 1985 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.00 ft below NGVD of 1929 (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 fair. Discharge affected by wind and tide at all stages. Reverse flow at times during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive daily discharge, 8,060 ft³/s, Oct. 31, 1985; maximum gage height, 12.72 ft, May 19, 1980; maximum negative daily discharge, -2,390 ft³/s, Aug. 1, 1989; minimum gage height, 7.14 ft, Oct. 8, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum positive daily discharge, 7,160 ft³/s, Oct. 30; maximum gage height, 11.70 ft, Oct. 30, 31; minimum negative daily discharge, -272 ft³/s, May 21; minimum gage height, 7.61 ft, June 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-14	6,140	81	1,090	95	1,020	82	0.46	-143	1,480	1,360	1,390
2	-3.5	4,980	4.6	1,160	71	493	146	-48	-125	1,490	1,170	1,310
3	501	3,810	301	697	111	350	184	-30	-144	1,690	1,200	1,200
4	801	2,980	1,840	323	68	279	221	-251	-83	1,680	1,250	1,110
5	1,300	3,370	3,730	198	36	245	368	-145	-70	1,520	1,110	854
6	1,310	4,870	4,040	107	325	380	158	-101	-74	1,240	1,440	608
7	---	4,890	3,560	72	1,160	103	508	-55	262	1,010	1,300	525
8	---	4,160	2,680	111	1,060	141	716	-130	1,290	1,080	1,250	675
9	---	3,230	2,000	71	601	227	779	-104	1,670	1,150	1,120	798
10	1,580	2,140	1,440	42	701	107	53	-83	1,530	1,120	1,060	922
11	1,860	1,980	994	46	465	76	-67	38	1,520	1,310	1,090	1,220
12	1,600	1,780	509	32	195	169	133	-225	1,260	1,300	1,070	2,030
13	1,200	1,220	1,130	-16	19	742	231	-140	1,270	1,210	1,290	1,230
14	955	773	1,080	56	103	2,240	168	-121	1,400	1,120	1,040	175
15	727	1,320	733	25	572	2,050	32	-141	1,440	1,270	793	-71
16	315	1,490	425	151	2,130	1,420	45	-174	1,020	1,260	1,000	-83
17	109	813	235	43	1,490	1,580	138	-67	---	1,360	1,140	-102
18	-20	475	110	27	697	1,500	109	-106	---	1,500	1,050	68
19	126	734	341	57	413	966	-59	-158	---	1,190	1,020	-87
20	77	575	265	-21	207	712	71	-181	1,500	1,040	956	-109
21	42	460	76	40	1,390	443	125	-272	1,500	1,130	1,180	-165
22	90	396	165	66	4,280	383	68	-245	1,440	1,170	990	387
23	74	119	-89	-47	4,640	353	-247	-213	1,700	1,120	919	220
24	161	134	579	-41	4,270	126	27	-181	1,830	885	794	130
25	---	291	325	40	3,600	191	222	-123	1,600	1,040	895	134
26	---	385	116	27	2,690	679	-106	-131	1,530	1,060	1,290	61
27	---	339	70	13	1,930	700	-87	-217	1,600	862	1,120	40
28	---	90	72	46	1,330	534	-98	-183	1,620	861	922	46
29	---	99	38	135	---	712	-85	-133	1,650	1,050	1,010	-51
30	7,160	142	13	277	---	---	-49	-111	1,490	1,220	1,430	-101
31	6,940	---	741	124	---	97	---	-112	---	1,390	1,690	---
TOTAL	---	54,185	27,604.6	4,951	34,649	---	3,786	-4,142.54	---	37,808	34,949	14,364
MEAN	---	1,806	890	160	1,237	---	126	-134	---	1,220	1,127	479

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.11	11.52	8.89	8.83	8.44	9.54	8.61	8.54	7.74	9.10	8.44	8.71
2	9.12	11.37	8.90	8.71	8.55	9.42	8.61	8.49	7.79	9.08	8.41	8.64
3	8.88	11.29	9.03	8.64	8.60	9.35	8.63	8.50	7.74	9.06	8.39	8.61
4	9.64	11.11	9.43	8.69	8.30	9.37	8.65	8.68	7.86	9.09	8.38	8.54
5	9.91	11.40	9.61	8.65	8.49	9.35	8.61	8.75	7.95	9.15	8.36	8.50
6	9.97	11.56	9.77	8.58	8.58	9.22	8.91	8.72	7.98	9.19	8.31	8.46
7	9.95	11.63	9.78	8.52	8.58	9.17	8.87	8.68	7.90	9.16	8.19	8.48
8	9.91	11.60	9.65	8.49	8.72	9.14	8.94	8.68	7.95	9.13	8.16	8.54
9	---	11.52	9.46	8.51	8.79	9.06	8.78	8.72	7.99	9.16	8.19	8.55
10	10.29	11.42	9.31	8.27	8.73	8.97	8.89	8.74	8.07	9.12	8.16	8.59
11	10.32	11.25	9.26	8.25	8.74	8.96	8.92	8.47	8.15	9.09	8.10	8.59
12	10.26	11.03	9.33	8.22	8.72	8.95	8.87	8.32	8.16	9.14	8.16	8.78
13	10.09	10.93	9.26	8.20	8.75	9.00	8.80	8.35	8.23	9.12	8.24	8.88
14	9.87	10.91	9.21	8.21	8.86	9.16	8.75	8.36	8.33	9.15	8.26	8.92
15	9.73	10.77	9.18	8.25	8.88	9.17	8.77	8.34	8.43	9.30	8.13	8.90
16	9.66	10.49	9.16	8.13	8.82	9.15	8.79	8.46	8.59	9.21	8.20	8.92
17	9.65	10.44	9.15	7.95	8.81	9.31	8.66	8.38	---	9.07	8.12	8.92
18	9.67	10.43	9.20	8.17	8.95	9.39	8.64	8.17	8.73	8.99	8.23	8.90
19	9.63	10.28	9.09	8.26	8.94	9.39	8.80	8.16	---	8.91	8.22	8.86
20	9.56	10.13	8.90	8.39	8.87	9.32	8.74	8.08	8.78	8.81	8.22	8.86
21	9.52	9.98	8.95	8.39	9.25	9.19	8.58	7.92	8.88	8.72	8.23	8.98
22	9.52	9.82	8.85	8.16	9.60	9.13	8.57	7.87	8.92	8.65	8.27	9.09
23	9.57	9.80	8.92	7.96	9.93	9.00	8.75	7.90	8.95	8.55	8.27	9.12
24	9.57	9.74	8.74	8.15	9.96	8.99	8.89	7.94	9.00	8.50	8.29	9.11
25	---	9.61	8.56	8.26	9.85	9.01	8.68	7.94	9.05	8.50	8.37	9.08
26	9.90	9.42	8.63	8.24	9.79	8.95	8.48	7.89	9.11	8.52	8.41	9.07
27	10.34	9.17	8.60	8.30	9.71	8.88	8.52	7.77	9.11	8.50	8.39	9.03
28	10.81	9.10	8.53	8.44	9.65	8.87	8.55	7.79	9.09	8.47	8.41	8.96
29	---	9.09	8.61	8.45	---	8.46	8.58	7.73	9.12	8.44	8.47	8.92
30	11.65	9.00	8.72	8.34	---	---	8.57	7.76	9.16	8.45	8.55	8.92
31	11.65	---	8.72	8.39	---	8.50	---	7.78	---	8.43	8.72	---
MAX	---	11.63	9.78	8.83	9.96	---	8.94	8.75	---	9.30	8.72	9.12
MIN	---	9.00	8.53	7.95	8.30	---	8.48	7.73	---	8.43	8.10	8.46

08012470 BAYOU LACCASSINE NEAR LAKE ARTHUR, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1998 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance and temperature.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2000 to present.

WATER TEMPERATURE: June 2000 to present.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except Nov. 10-Dec. 11, Jan. 29-Feb. 10, and Sept. 7-30 when records good.

WATER TEMPERATURE: Records rated good.

EXTREMES FOR PERIOD OF DAILY RECORD.-- SPECIFIC CONDUCTANCE: Maximum daily, 1,480 microsiemens/cm, Nov. 6, 2000; minimum daily, 53 microsiemens/cm, Feb. 23, 24, 2003.

WATER TEMPERATURE: Maximum daily, 34.7°C, July 19, 2001; minimum daily, 5.9°C, Jan. 4, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT 22...	1430	17	0.6	7.2	105	20.3	31	9.02	1.4	1.1	0.05	<0.06	<0.008
DEC 16...	1245	233	5.7	7.2	81	11.8	18	9.63	3.3	1.5	0.10	0.12	E.005
FEB 28...	1200	1,320	5.0	8.0	67	12.3	17	7.88	2.5	1.4	0.14	0.08	E.004
MAR 28...	0815	411	--	7.3	106	19.0	29	10.5	2.8	2.6	0.29	0.12	0.023
APR 21...	1615	164	1.1	7.6	183	21.2	36	25.8	4.6	3.5	0.07	0.47	E.005
MAY 19...	1300	247	5.7	7.8	153	27.6	33	18.2	4.7	2.0	E.03	0.56	E.005
JUN 24...	1230	1,840	0.7	7.6	217	28.9	50	22.4	5.0	1.3	0.05	0.58	0.111
AUG 12...	0730	1,750	2.9	7.5	159	29.6	45	18.0	2.2	1.2	0.05	<0.06	<0.008

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
OCT 22...	0.07	0.26	<0.006	<0.006	<0.006	<0.004	<0.005	E.007n	<0.050	<0.010	<0.002	<0.041	<0.020
DEC 16...	0.03	0.21	<0.006	<0.006	<0.006	<0.004	<0.005	0.011	<0.050	<0.010	<0.002	<0.041	<0.020
FEB 28...	0.02	0.23	<0.006	<0.006	<0.006	<0.004	<0.005	0.010	<0.050	<0.010	<0.002	<0.041	<0.020
MAR 28...	0.03	0.52	<0.006	E.012	<0.006	<0.004	<0.005	0.442	<0.050	<0.010	<0.002	<0.041	<0.020
APR 21...	0.03	0.85	<0.006	E.017	<0.006	<0.004	<0.005	0.583	<0.050	<0.010	<0.002	<0.041	<0.020
MAY 19...	0.04	0.53	<0.006	E.016	<0.006	<0.004	<0.005	0.419	<0.050	<0.010	<0.002	<0.041	<0.020
JUN 24...	E.02	0.21	<0.006	E.030	<0.006	<0.004	<0.005	0.469	<0.050	<0.010	<0.002	E.043	<0.020
AUG 12...	0.06	0.290	<0.006	E.006	<0.006	<0.004	<0.005	0.046	<0.050	<0.010	<0.002	<0.041	<0.020

08012470 BAYOU LACCASSINE NEAR LAKE ARTHUR, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfuralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl- fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)
OCT 22...	<0.005	<0.006	<0.018	<0.003	0.005	0.006	<0.005	<0.02	<0.002	<0.009	<0.005	E.011	0.007
DEC 16...	<0.005	<0.006	<0.018	<0.003	E.004	E.007	<0.005	<0.02	<0.002	<0.009	<0.005	E.005	0.006
FEB 28...	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
MAR 28...	<0.005	<0.006	<0.018	<0.003	0.006	0.007	<0.005	<0.02	0.003	<0.009	<0.005	E.009	0.010
APR 21...	<0.005	<0.006	<0.018	<0.003	0.010	0.005	<0.005	<0.02	<0.002	<0.009	<0.005	E.011	0.011
MAY 19...	<0.005	<0.006	<0.018	<0.003	0.021	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	E.005	0.015
JUN 24...	<0.005	<0.006	<0.018	<0.003	0.011	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	E.010	0.014
AUG 12...	<0.005	<0.006	<0.018	<0.003	0.008	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	0.012

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)
OCT 22...	0.009	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	E.013n	<0.006	<0.002	<0.007	<0.003	<0.010
DEC 16...	0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	E.005n	<0.006	<0.002	<0.007	<0.003	<0.010
FEB 28...	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	E.010n	<0.006	<0.002	<0.007	<0.003	<0.010
MAR 28...	0.009	E.016	<0.003	<0.004	<0.035	<0.027	<0.006	E.009n	<0.006	0.056	<0.007	<0.003	<0.010
APR 21...	E.010	E.060	<0.003	<0.004	<0.035	E.010t	<0.006	E.009n	0.013	0.312	<0.007	<0.003	<0.010
MAY 19...	0.009	E.107	<0.003	<0.004	<0.035	<0.027	<0.006	E.010n	E.005n	0.037	<0.007	<0.003	<0.010
JUN 24...	0.011	E.009	<0.003	<0.004	<0.035	0.144	0.046	0.194	0.015	0.250	<0.007	<0.003	<0.010
AUG 12...	0.013	<0.007	<0.003	<0.004	<0.035	0.093	<0.006	E.011n	<0.006	0.013	<0.007	<0.003	<0.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)
OCT 22...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	E.01n	<0.034	<0.02	<0.005
DEC 16...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	E.01n	<0.034	<0.02	<0.005
FEB 28...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	E.01n	<0.034	<0.02	<0.005
MAR 28...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.197	0.02	<0.034	<0.02	<0.005
APR 21...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.019	E.01n	<0.034	<0.02	<0.005
MAY 19...	<0.004	<0.022	<0.011	E.01n	<0.004	<0.010	<0.011	<0.02	0.032	0.02	<0.034	<0.02	<0.005
JUN 24...	<0.004	0.026	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	0.18	<0.034	<0.02	<0.005
AUG 12...	<0.004	<0.022	<0.011	E.01t	<0.004	<0.010	<0.011	<0.02	<0.005	E.05	<0.034	<0.02	<0.005

08012470 BAYOU LACCASSINE NEAR LAKE ARTHUR, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)
OCT 22...	<0.002	<0.009	28	1.3
DEC 16...	<0.002	<0.009	85	53
FEB 28...	<0.002	<0.009	116	413
MAR 28...	<0.002	<0.009	309	343
APR 21...	<0.002	<0.009	775	343
MAY 19...	<0.002	<0.009	289	193
JUN 24...	<0.002	E.004n	79	392
AUG 12...	<0.002	<0.009	55	260

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

n -- Below the NDV

o -- Result determined by alternate method

t -- Below the long-term MDL

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE ¼ SE ¼ 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 NGVD of 1929. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Gage-height telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge 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)
Oct 29	2300	7,890	15.65	Jan 5	0900	4,350	14.36
Nov 7	0700	*23,800	*18.44	Feb 25	1230	7,350	15.49
Dec 8	1300	6,430	15.19				

Minimum discharge, 31 ft³/s, June 5, gage height, 4.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	5,460	132	3,170	459	2,880	573	62	35	180	50	48
2	46	4,570	129	3,200	432	2,230	374	60	32	126	48	53
3	106	4,520	133	3,400	405	1,560	252	59	33	113	45	53
4	906	9,270	642	3,850	406	1,160	197	57	33	111	43	78
5	1,180	13,900	2,110	4,260	391	1,060	173	56	31	107	41	85
6	945	18,600	2,500	3,810	345	1,280	163	54	34	102	40	70
7	852	22,600	3,790	3,190	383	1,750	175	53	45	134	40	55
8	725	14,800	6,180	2,540	459	2,130	190	52	48	129	39	48
9	536	7,610	5,400	1,640	565	2,350	175	51	64	173	37	44
10	615	4,940	4,350	824	679	2,320	158	50	53	161	36	40
11	1,150	3,880	3,570	474	762	2,120	144	48	46	170	35	38
12	1,140	3,200	2,960	348	825	1,570	130	47	54	267	35	39
13	671	2,580	2,570	294	833	960	120	46	69	303	40	42
14	351	1,670	2,150	262	722	668	113	45	133	267	38	41
15	212	791	1,840	241	585	589	106	46	305	198	36	52
16	156	432	1,950	227	528	672	100	46	448	160	36	61
17	126	313	2,240	214	499	691	95	49	559	128	35	69
18	107	273	2,620	203	565	604	91	50	535	112	35	67
19	95	249	3,120	194	604	553	87	49	417	114	34	60
20	88	224	3,090	184	576	645	84	49	541	102	33	52
21	93	204	2,580	176	1,240	866	82	51	577	87	34	47
22	118	188	1,890	171	2,200	1,000	79	47	399	74	38	47
23	231	174	1,350	167	3,700	984	77	43	215	68	43	45
24	323	163	1,360	162	5,500	862	75	39	237	79	35	42
25	482	153	1,420	156	7,100	670	73	37	238	82	34	44
26	1,890	145	1,420	155	6,010	555	71	40	159	69	34	46
27	3,170	139	1,520	166	4,490	546	69	38	115	64	34	42
28	4,750	136	1,780	195	3,560	483	67	36	91	60	34	38
29	6,650	135	2,180	277	---	584	65	35	101	55	33	36
30	7,480	135	2,510	356	---	660	64	40	195	51	32	34
31	6,480	---	2,990	423	---	689	---	39	---	50	36	---
TOTAL	41,725	121,454	72,476	34,929	44,823	35,691	4,222	1,474	5,842	3,896	1,163	1,516
MEAN	1,346	4,048	2,338	1,127	1,601	1,151	141	47.5	195	126	37.5	50.5
MAX	7,480	22,600	6,180	4,260	7,100	2,880	573	62	577	303	50	85
MIN	46	135	129	155	345	483	64	35	31	50	32	34
AC-FT	82,760	240,900	143,800	69,280	88,910	70,790	8,370	2,920	11,590	7,730	2,310	3,010
CFSM	2.70	8.11	4.69	2.26	3.21	2.31	0.28	0.10	0.39	0.25	0.08	0.10
IN.	3.11	9.05	5.40	2.60	3.34	2.66	0.31	0.11	0.44	0.29	0.09	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	254	571	1,148	1,536	1,564	1,341	1,117	933	394	254	142	188
MAX	2,460	4,048	6,770	4,612	4,901	4,293	3,938	10,500	3,865	4,535	1,978	1,595
(WY)	(1986)	(2003)	(1983)	(1947)	(1966)	(1995)	(1995)	(1953)	(1989)	(1989)	(1955)	(1958)
MIN	16.5	24.1	29.4	37.1	35.4	103	91.9	45.3	30.3	24.8	19.9	17.0
(WY)	(1957)	(2000)	(1955)	(2000)	(2000)	(1954)	(1981)	(1963)	(1998)	(1954)	(2000)	(1954)

08013000 CALCASIEU RIVER NEAR GLENMORA, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR			FOR 2003 WATER YEAR			WATER YEARS 1944 - 2003	
ANNUAL TOTAL	363,955			369,211			783	
ANNUAL MEAN	997			1,012			1,659	
HIGHEST ANNUAL MEAN							163	
LOWEST ANNUAL MEAN							2000	
HIGHEST DAILY MEAN	22,600	Nov	7	22,600	Nov	7	55,900	May 19, 1953
LOWEST DAILY MEAN	26	Jul	11	31	Jun	5	15	Oct 7, 1954
ANNUAL SEVEN-DAY MINIMUM	27	Jul	8	34	Aug	24	15	Aug 31, 2000
MAXIMUM PEAK FLOW				23,800	Nov	7	59,500	May 19, 1953
MAXIMUM PEAK STAGE				18.44	Nov	7	21.55	May 19, 1953
INSTANTANEOUS LOW FLOW				31	Jun	5	a15	Sep 27, 1954
INSTANTANEOUS LOW STAGE				4.74	Aug	30	*	
ANNUAL RUNOFF (AC-FT)	721,900			732,300			567,500	
ANNUAL RUNOFF (CFSM)	2.00			2.03			1.57	
ANNUAL RUNOFF (INCHES)	27.13			27.52			21.33	
10 PERCENT EXCEEDS	2,500			3,100			2,110	
50 PERCENT EXCEEDS	224			171			165	
90 PERCENT EXCEEDS	32			39			31	

a Also occurred Sep 28, 1954 and Sep 2, 3-6, 7, 2000.

* Not determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.36	14.83	6.78	13.73	10.10	13.54	10.50	5.47	5.02	7.50	5.20	5.13
2	5.26	14.46	6.72	13.74	9.95	13.06	9.47	5.44	4.98	6.67	5.14	5.27
3	6.21	14.42	6.79	13.86	9.78	12.48	8.38	5.41	4.99	6.46	5.08	5.26
4	11.43	16.01	9.91	14.11	9.79	11.97	7.70	5.37	5.00	6.41	5.03	5.79
5	12.05	16.99	12.97	14.31	9.69	11.80	7.36	5.35	4.95	6.34	4.98	5.94
6	11.64	17.76	13.28	14.09	9.36	12.14	7.22	5.32	5.00	6.26	4.96	5.63
7	11.45	18.31	14.04	13.74	9.63	12.67	7.39	5.31	5.17	6.80	4.96	5.31
8	11.11	17.13	15.10	13.30	10.09	12.99	7.60	5.29	5.21	6.73	4.93	5.14
9	10.45	15.54	14.81	12.56	10.57	13.16	7.39	5.26	5.51	7.38	4.88	5.03
10	10.75	14.62	14.35	11.33	10.98	13.14	7.16	5.24	5.30	7.23	4.85	4.95
11	11.97	14.12	13.96	10.16	11.22	12.98	6.94	5.21	5.17	7.35	4.84	4.89
12	11.96	13.74	13.60	9.45	11.39	12.49	6.72	5.19	5.33	8.61	4.84	4.92
13	10.92	13.33	13.33	9.04	11.41	11.60	6.56	5.17	5.61	9.00	4.95	4.98
14	9.34	12.58	13.01	8.75	11.10	10.85	6.43	5.15	6.74	8.62	4.90	4.97
15	7.94	11.24	12.77	8.52	10.66	10.57	6.32	5.16	8.95	7.75	4.87	5.24
16	7.15	9.92	12.85	8.33	10.42	10.87	6.21	5.17	10.03	7.20	4.85	5.45
17	6.67	9.08	13.08	8.17	10.29	10.93	6.12	5.22	10.54	6.71	4.85	5.62
18	6.34	8.69	13.36	8.03	10.57	10.63	6.04	5.24	10.43	6.44	4.84	5.57
19	6.12	8.41	13.69	7.89	10.73	10.43	5.97	5.22	9.84	6.47	4.82	5.44
20	6.00	8.10	13.68	7.76	10.62	10.77	5.92	5.22	10.47	6.27	4.79	5.24
21	6.08	7.84	13.33	7.65	11.97	11.41	5.87	5.26	10.62	5.98	4.80	5.11
22	6.53	7.62	12.80	7.58	13.04	11.70	5.81	5.20	9.64	5.71	4.91	5.12
23	8.17	7.42	12.27	7.51	13.99	11.66	5.77	5.13	7.97	5.58	5.01	5.07
24	9.17	7.25	12.28	7.44	14.84	11.40	5.74	5.08	8.26	5.81	4.84	5.00
25	9.98	7.11	12.36	7.35	15.41	10.85	5.70	5.06	8.27	5.89	4.82	5.05
26	12.77	6.98	12.35	7.33	15.04	10.44	5.66	5.11	7.20	5.61	4.81	5.09
27	13.71	6.89	12.47	7.50	14.42	10.40	5.61	5.09	6.48	5.51	4.81	4.98
28	14.54	6.85	12.72	7.91	13.95	10.12	5.57	5.04	6.05	5.42	4.81	4.91
29	15.24	6.83	13.03	8.88	---	10.55	5.54	5.02	6.24	5.30	4.77	4.86
30	15.53	6.83	13.28	9.50	---	10.83	5.50	5.12	7.71	5.22	4.75	4.81
31	15.21	---	13.62	9.90	---	10.92	---	5.10	---	5.19	4.86	---
MAX	15.53	18.31	15.10	14.31	15.41	13.54	10.50	5.47	10.62	9.00	5.20	5.94
MIN	5.26	6.83	6.72	7.33	9.36	10.12	5.50	5.02	4.95	5.19	4.75	4.81

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW ¼ NE ¼ sec. 7, T. 5 S., R. 4 W., Allen Parish, Hydrologic Unit 08080203, near left bank on downstream side of bridge on State Highway 26, 3.0 mi northwest of Oberlin, and 15 mi southeast of 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 NGVD of 1929. Prior to February 1925 at datum about 2.5 ft higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good except for period of missing record which are poor. Prior to November 1981 paper mill at Elizabeth pumped about 11 ft³/s of water from wells which was later discharged into Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 29	2200	15,600	18.48	Nov 9	1400	19,600	19.36
Nov 2	0500	10,400	16.68	Feb 28	0830	9,930	16.49
Nov 6	0430	*24,500	*20.17				

Minimum discharge, 56 ft³/s, Sept. 30, gage height, 1.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	11,600	112	3,920	2,050	8,310	899	157	68	218	106	124
2	112	9,820	108	4,540	1,260	6,430	899	155	66	250	e102	130
3	178	8,410	157	4,700	870	4,830	871	149	66	263	e100	142
4	953	9,640	1,510	4,390	751	3,720	758	142	73	256	e97	226
5	1,460	18,200	3,380	3,860	687	2,830	611	137	104	277	e94	216
6	1,570	23,600	4,390	3,640	841	2,160	517	132	109	334	e90	146
7	1,670	20,400	4,420	4,030	2,080	1,760	460	128	157	629	e87	129
8	1,870	19,200	3,700	4,480	2,470	1,630	473	122	153	546	e83	118
9	1,580	19,400	2,890	4,230	2,010	1,720	443	119	101	322	e80	109
10	1,450	16,200	3,650	3,510	1,400	1,920	428	114	84	260	e77	e110
11	1,430	12,100	6,340	2,700	1,420	2,160	405	112	79	253	e74	e118
12	1,310	8,940	6,890	1,880	1,290	2,330	378	108	83	290	e71	e158
13	1,310	6,590	6,150	1,180	1,150	2,430	351	105	81	289	e70	e213
14	1,330	4,640	5,380	804	1,060	3,390	326	102	209	321	e69	e315
15	1,200	3,390	4,410	629	1,840	3,640	304	99	444	367	e70	e285
16	898	2,590	3,580	528	3,900	2,480	286	96	502	367	e72	e178
17	600	1,850	2,790	462	3,860	1,610	270	94	484	319	e74	e145
18	418	1,150	2,200	420	2,520	1,380	256	93	569	271	e75	e125
19	336	697	2,020	394	1,330	1,360	251	93	923	231	e74	e112
20	291	482	2,130	372	998	1,360	230	90	948	203	e72	e100
21	265	378	2,390	356	3,330	1,250	221	87	803	206	e72	e103
22	274	309	2,770	340	6,680	1,090	217	84	758	193	e74	123
23	304	257	2,970	322	7,270	1,050	206	82	815	172	e80	162
24	305	215	2,750	306	6,660	1,120	195	79	773	152	e90	127
25	378	184	2,390	295	5,070	1,170	187	77	501	141	e108	106
26	1,040	162	2,030	288	5,020	1,180	179	75	400	133	e125	e95
27	3,050	148	1,870	291	8,240	1,670	173	81	537	138	e150	e82
28	8,140	134	1,680	294	9,710	1,980	167	139	414	132	e180	e74
29	13,700	124	1,540	311	---	1,760	162	99	297	121	e222	e67
30	14,300	117	1,530	753	---	1,270	156	81	240	114	221	57
31	12,300	---	2,640	1,820	---	965	---	73	---	109	148	---
TOTAL	74,147	200,927	90,767	56,045	85,767	71,955	11,279	3,304	10,841	7,877	3,107	4,195
MEAN	2,392	6,698	2,928	1,808	3,063	2,321	376	107	361	254	100	140
MAX	14,300	23,600	6,890	4,700	9,710	8,310	899	157	948	629	222	315
MIN	112	117	108	288	687	965	156	73	66	109	69	57
AC-FT	147,100	398,500	180,000	111,200	170,100	142,700	22,370	6,550	21,500	15,620	6,160	8,320
CFSM	3.18	8.89	3.89	2.40	4.07	3.08	0.50	0.14	0.48	0.34	0.13	0.19
IN.	3.66	9.93	4.48	2.77	4.24	3.55	0.56	0.16	0.54	0.39	0.15	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2003, BY WATER YEAR (WY)

	380	783	1,599	2,043	2,181	1,915	1,627	1,475	643	501	319	316
MEAN	4,004	6,825	10,130	6,112	6,889	5,213	7,835	17,090	4,325	9,050	4,792	3,251
(WY)	(1985)	(1958)	(1983)	(1947)	(1966)	(1973)	(1923)	(1953)	(1950)	(1989)	(1940)	(1979)
MIN	22.6	33.5	55.8	54.9	50.1	159	147	80.5	37.9	37.7	29.6	26.2
(WY)	(2001)	(2000)	(1955)	(2000)	(2000)	(2000)	(1981)	(1963)	(1998)	(1998)	(2000)	(2000)

08013500 CALCASIEU RIVER NEAR OBERLIN, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923 - 2003	
ANNUAL TOTAL	553,947		620,211		1,148	
ANNUAL MEAN	1,518		1,699		2,409	
HIGHEST ANNUAL MEAN					180	
LOWEST ANNUAL MEAN					2,000	
HIGHEST DAILY MEAN	23,600	Nov 6	23,600	Nov 6	67,600	May 20, 1953
LOWEST DAILY MEAN	48	Sep 15	57	Sep 30	16	Nov 3, 2000
ANNUAL SEVEN-DAY MINIMUM	50	Sep 13	71	Aug 11	17	Oct 28, 2000
MAXIMUM PEAK FLOW			24,500	Nov 6	72,800	May 19, 1953
MAXIMUM PEAK STAGE			20.17	Nov 6	26.53	May 19, 1953
INSTANTANEOUS LOW FLOW			56	Sep 30	18	Sep 6, 2000
ANNUAL RUNOFF (AC-FT)	1,099,000		1,230,000		831,800	
ANNUAL RUNOFF (CFSM)	2.02		2.26		1.52	
ANNUAL RUNOFF (INCHES)	27.37		30.64		20.72	
10 PERCENT EXCEEDS	3,670		4,410		2,980	
50 PERCENT EXCEEDS	370		356		320	
90 PERCENT EXCEEDS	78		86		60	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.49	17.13	3.20	11.75	8.76	15.70	5.49	2.67	2.30	3.11	2.38	2.48
2	2.38	16.44	3.16	12.56	6.90	14.34	5.50	2.66	2.29	3.29	---	2.53
3	2.78	15.77	3.48	12.75	5.79	12.78	5.42	2.64	2.31	3.36	---	2.62
4	5.99	16.35	8.19	12.37	5.40	11.32	5.05	2.61	2.37	3.33	---	3.13
5	7.45	18.93	11.78	11.67	5.18	9.94	4.53	2.59	2.62	3.44	---	3.13
6	7.74	20.01	12.91	11.38	5.65	8.69	4.17	2.56	2.66	3.71	---	2.72
7	7.96	19.49	12.95	11.91	8.80	7.85	3.94	2.55	2.93	4.96	---	2.61
8	8.06	19.30	12.18	12.48	9.56	7.55	4.00	2.52	2.91	4.63	---	2.53
9	7.31	19.34	11.11	12.17	8.66	7.75	3.88	2.51	2.59	3.66	---	2.44
10	6.96	18.63	12.07	11.19	7.30	8.20	3.81	2.48	2.46	3.35	---	---
11	6.92	17.32	14.44	9.95	7.35	8.70	3.72	2.46	2.42	3.32	---	---
12	6.60	16.02	14.75	8.40	7.00	9.04	3.60	2.44	2.45	3.51	---	---
13	6.60	14.60	14.14	6.71	6.63	9.24	3.49	2.43	2.44	3.50	---	---
14	6.65	13.14	13.45	5.58	6.37	10.82	3.38	2.41	3.14	3.66	---	---
15	6.30	11.81	12.40	4.96	8.13	11.21	3.29	2.39	4.22	3.88	---	---
16	5.41	10.60	11.29	4.57	11.73	9.28	3.21	2.38	4.47	3.88	---	---
17	4.39	9.17	10.10	4.30	11.66	7.49	3.14	2.37	4.39	3.65	---	---
18	3.65	7.44	9.05	4.12	9.59	6.88	3.08	2.38	4.73	3.41	---	---
19	3.27	6.04	8.70	4.00	7.10	6.84	3.06	2.39	5.95	3.20	---	---
20	3.05	5.22	8.91	3.90	6.19	6.83	2.97	2.37	6.04	3.05	---	---
21	2.91	4.77	9.42	3.83	10.59	6.53	2.93	2.35	5.58	3.07	---	---
22	2.96	4.44	10.08	3.75	14.56	6.06	2.92	2.34	5.43	3.00	---	2.57
23	3.11	4.17	10.39	3.66	15.04	5.95	2.87	2.33	5.61	2.87	---	2.83
24	3.12	3.93	10.04	3.58	14.57	6.16	2.82	2.32	5.47	2.74	---	2.59
25	3.46	3.74	9.42	3.53	13.12	6.29	2.78	2.31	4.46	2.66	---	2.41
26	5.76	3.60	8.71	3.49	13.05	6.32	2.75	2.30	4.03	2.61	---	---
27	10.06	3.50	8.39	3.51	15.61	7.61	2.72	2.36	4.61	2.65	---	---
28	15.40	3.40	7.98	3.52	16.40	8.32	2.70	2.79	4.09	2.60	---	---
29	17.84	3.32	7.66	3.61	---	7.83	2.68	2.53	3.54	2.53	---	---
30	18.07	3.26	7.63	5.29	---	6.59	2.65	2.39	3.23	2.46	3.12	1.92
31	17.41	---	9.78	8.26	---	5.69	---	2.33	---	2.41	2.66	---
MAX	18.07	20.01	14.75	12.75	16.40	15.70	5.50	2.79	6.04	4.96	---	---
MIN	2.38	3.26	3.16	3.49	5.18	5.69	2.65	2.30	2.29	2.41	---	---

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE ¼ NE ¼ 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.

WATER-DISCHARGE RECORDS

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 NGVD of 1929. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge 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)
Oct 30	0330	13,100	19.85	Dec 7	2230	7,570	17.32
Nov 5	1900	*32,800	*23.80	Feb 24	1600	5,790	15.52

Minimum discharge, 183 ft³/s, Aug. 27, gage height, 2.62 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	5,690	444	2,120	856	1,410	e455	e270	225	379	207	234
2	241	3,450	430	2,290	684	1,130	e425	271	219	470	202	281
3	260	1,860	459	2,440	601	e960	e395	268	222	415	199	295
4	678	5,470	2,040	2,520	557	876	e370	264	284	492	197	316
5	1,130	27,100	3,800	1,670	529	940	e350	263	304	595	195	394
6	1,560	26,400	4,290	1,020	634	1,170	e335	260	353	515	194	295
7	1,460	e20,000	6,680	874	1,490	e1,210	e365	256	516	631	192	237
8	1,070	e10,500	6,840	793	1,420	e1,250	e420	253	510	518	191	219
9	760	5,800	4,180	733	1,200	e1,150	e400	252	370	411	189	208
10	789	3,060	1,770	691	984	e1,110	e380	251	294	356	187	200
11	1,410	1,550	1,210	664	1,020	e920	e355	247	258	351	191	200
12	1,330	1,210	1,210	638	980	e820	e345	242	253	e410	196	230
13	990	1,030	1,530	602	761	707	e338	237	319	e470	194	363
14	973	907	2,120	584	646	1,730	e330	234	863	e560	198	499
15	831	823	2,170	584	920	1,640	e320	232	1,300	e590	199	432
16	433	801	2,120	568	1,280	1,240	e312	231	1,450	e520	198	308
17	367	867	1,470	547	1,180	891	e310	232	1,010	e385	197	246
18	339	802	976	530	998	759	e308	233	612	313	194	221
19	317	691	870	512	740	777	e304	233	555	314	189	209
20	308	639	899	498	635	908	e301	234	1,320	335	187	202
21	344	606	1,150	496	2,260	999	e299	230	1,950	304	190	201
22	379	580	1,040	493	4,210	766	e295	226	2,340	276	193	210
23	521	553	805	495	5,010	643	e292	223	2,320	259	194	217
24	451	531	813	495	5,580	589	e290	220	2,390	243	193	236
25	469	513	1,210	495	5,010	555	e290	219	1,460	233	196	247
26	1,410	498	1,460	495	3,140	599	e289	221	652	e250	190	221
27	2,770	487	1,390	494	1,790	610	e285	225	546	e255	186	207
28	6,450	476	968	599	1,510	655	e282	227	477	e265	228	199
29	10,700	487	747	701	---	661	e280	273	457	e245	242	194
30	11,600	469	670	1,300	---	e590	e272	273	405	218	237	191
31	8,230	---	1,030	1,050	---	e504	---	239	---	210	224	---
TOTAL	58,824	123,850	56,791	27,991	46,625	28,769	9,992	7,539	24,234	11,788	6,169	7,712
MEAN	1,898	4,128	1,832	903	1,665	928	333	243	808	380	199	257
MAX	11,600	27,100	6,840	2,520	5,580	1,730	455	273	2,390	631	242	499
MIN	241	469	430	493	529	504	272	219	219	210	186	191
AC-FT	116,700	245,700	112,600	55,520	92,480	57,060	19,820	14,950	48,070	23,380	12,240	15,300
CFSM	3.72	8.09	3.59	1.77	3.27	1.82	0.65	0.48	1.58	0.75	0.39	0.50
IN.	4.29	9.03	4.14	2.04	3.40	2.10	0.73	0.55	1.77	0.86	0.45	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	439	723	1,113	1,232	1,296	1,185	1,047	1,044	642	483	394	379
MAX	2,877	4,128	6,076	3,781	3,326	3,354	3,630	12,090	4,192	4,063	4,264	2,314
(WY)	(1985)	(2003)	(1983)	(1974)	(1984)	(1995)	(1949)	(1953)	(1989)	(1989)	(1940)	(1958)
MIN	99.1	135	144	162	148	230	228	180	155	126	106	115
(WY)	(1957)	(1955)	(1955)	(2000)	(2000)	(2000)	(1963)	(2001)	(1970)	(1970)	(2000)	(1954)

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	388,118		410,284			
ANNUAL MEAN	1,063		1,124		830	
HIGHEST ANNUAL MEAN					1,643	1953
LOWEST ANNUAL MEAN					258	2000
HIGHEST DAILY MEAN	27,100	Nov 5	27,100	Nov 5	108,000	May 19, 1953
LOWEST DAILY MEAN	162	Jul 12	186	Aug 27	87.1	Sep 7, 2000
ANNUAL SEVEN-DAY MINIMUM	170	Jun 19	191	Aug 5	90	Oct 14, 1956
MAXIMUM PEAK FLOW			32,800	Nov 5	144,000	May 18, 1953
MAXIMUM PEAK STAGE			23.80	Nov 5	32.80	May 18, 1953
INSTANTANEOUS LOW FLOW			183	Aug 27	a86	Sep 6, 2000
ANNUAL RUNOFF (AC-FT)	769,800		813,800		601,000	
ANNUAL RUNOFF (CFSM)	2.08		2.20		1.63	
ANNUAL RUNOFF (INCHES)	28.31		29.93		22.10	
10 PERCENT EXCEEDS	1,890		1,990		1,820	
50 PERCENT EXCEEDS	464		495		369	
90 PERCENT EXCEEDS	189		209		165	

a Also occurred Sep 7, 2000.

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.03	15.39	4.39	9.59	5.53	7.33	---	---	2.94	3.71	2.80	2.99
2	2.96	12.31	4.34	10.01	4.92	6.46	---	3.19	2.89	4.10	2.75	3.24
3	3.06	8.68	4.47	10.34	4.61	---	---	3.18	2.91	3.87	2.73	3.31
4	4.86	14.82	9.19	10.45	4.44	5.61	---	3.16	3.26	4.19	2.72	3.42
5	6.44	22.75	13.01	8.09	4.33	5.82	---	3.15	3.36	4.58	2.71	3.78
6	7.79	22.70	13.71	6.10	4.72	6.60	---	3.14	3.57	4.28	2.69	3.31
7	7.48	---	16.43	5.60	7.59	---	---	3.12	4.28	4.72	2.68	3.02
8	6.25	---	16.60	5.31	7.36	---	---	3.10	4.26	4.29	2.67	2.89
9	5.19	15.50	13.42	5.10	6.67	---	---	3.10	3.67	3.85	2.66	2.80
10	5.27	11.52	8.70	4.95	5.98	---	---	3.09	3.31	3.61	2.64	2.74
11	7.34	7.89	7.19	4.85	6.11	---	---	3.08	3.13	3.58	2.67	2.74
12	7.09	6.87	7.17	4.75	5.96	---	---	3.05	3.10	---	2.71	2.97
13	6.00	6.30	8.09	4.61	5.20	5.00	---	3.02	3.41	---	2.70	3.62
14	5.94	5.90	9.60	4.54	4.78	8.28	---	3.01	5.55	---	2.72	4.22
15	5.44	5.62	9.73	4.54	5.72	8.02	---	3.00	7.00	---	2.74	3.94
16	3.93	5.55	9.61	4.48	6.92	6.82	---	2.99	7.45	---	2.73	3.38
17	3.63	5.80	7.92	4.40	6.61	5.66	---	3.00	6.06	---	2.72	3.06
18	3.49	5.58	6.42	4.34	6.02	5.19	---	3.01	4.65	3.40	2.69	2.90
19	3.37	5.19	6.05	4.27	5.12	5.26	---	3.01	4.43	3.41	2.66	2.81
20	3.32	5.01	6.16	4.21	4.74	5.72	---	3.01	7.06	3.51	2.64	2.75
21	3.51	4.90	6.98	4.20	9.49	6.03	---	2.98	8.88	3.36	2.67	2.75
22	3.68	4.81	6.65	4.19	13.61	5.22	---	2.95	9.95	3.22	2.69	2.82
23	4.30	4.72	5.83	4.20	14.64	4.77	---	2.92	9.91	3.13	2.69	2.87
24	4.02	4.65	5.85	4.20	15.29	4.56	---	2.90	10.10	3.05	2.69	3.00
25	4.09	4.59	7.19	4.20	14.64	4.43	---	2.89	7.42	3.00	2.71	3.07
26	7.28	4.54	7.95	4.20	11.69	4.60	---	2.90	4.80	---	2.67	2.91
27	10.89	4.51	7.73	4.20	8.44	4.64	---	2.94	4.40	---	2.64	2.79
28	16.14	4.48	6.38	4.60	7.65	4.81	---	2.96	4.13	---	2.94	2.74
29	19.25	4.53	5.62	4.98	---	4.84	---	3.20	4.05	---	3.03	2.69
30	19.42	4.48	5.34	6.99	---	---	---	3.20	3.83	2.88	3.01	2.67
31	17.79	---	6.55	6.20	---	---	---	3.03	---	2.82	2.93	---
MAX	19.42	---	16.60	10.45	15.29	---	---	---	10.10	---	3.03	4.22
MIN	2.96	---	4.34	4.19	4.33	---	---	---	2.89	---	2.64	2.67

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1949, 1955-57, 1966-69, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1999 to September 2001; October 2001 to September 2002 (miscellaneous water quality only); October 2002 to September 2003.

WATER TEMPERATURE: August 1999 to September 2001. October 2001 to September 2002 (miscellaneous water quality only); October 2002 to September 2003.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Dec. 12-13, Mar. 15-31, June 29-July 16, July 19-23, and Sept. 22-30 when records good; Dec. 14 and July 24-26 when records fair; and Dec. 15-18 and July 27-Aug. 6 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 113 microsiemens/cm, Aug. 11, 2003; minimum daily, 14 microsiemens/cm, Nov. 25, 2000.

WATER TEMPERATURE: Maximum daily, 29.8°C, Aug. 30, 2000; minimum daily, 6.1°C, Jan. 4, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 113 microsiemens/cm, Aug. 11; minimum, 21 microsiemens/cm, Feb. 21, Aug. 7.

WATER TEMPERATURE: Maximum, 27.7°C, Aug. 2, 3, 6, 7; minimum, 8.2°C, Jan. 25, Feb. 8.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	46	36	41	36	32	34	---	---	---	51	47	49
2	42	36	40	39	33	36	---	---	---	50	47	49
3	41	37	39	---	---	---	---	---	---	51	48	50
4	44	39	41	41	38	39	46	43	45	51	48	50
5	42	37	40	40	37	39	47	44	46	52	48	50
6	43	32	38	39	34	36	48	44	46	51	48	50
7	33	25	28	---	---	---	48	44	46	52	47	50
8	---	---	---	---	---	---	48	44	46	52	49	50
9	---	---	---	---	---	---	46	43	44	53	49	51
10	---	---	---	---	---	---	46	43	45	53	50	51
11	---	---	---	---	---	---	47	44	45	53	50	51
12	43	40	41	---	---	---	47	43	45	53	50	51
13	43	41	42	42	37	40	48	45	46	53	49	51
14	44	41	42	38	33	35	48	44	46	53	50	52
15	42	32	37	44	36	40	49	44	47	56	51	53
16	37	31	34	46	42	43	49	45	47	57	52	54
17	38	34	36	44	37	41	48	46	47	54	51	53
18	39	35	37	43	39	42	50	46	48	54	51	53
19	44	37	39	45	41	43	50	46	48	54	51	52
20	45	42	43	48	42	45	50	46	48	54	50	52
21	44	21	29	47	41	44	53	47	49	53	50	52
22	25	22	23	44	41	42	53	46	49	53	50	52
23	28	24	27	45	41	43	50	46	48	54	51	52
24	28	22	25	47	43	45	50	47	49	54	50	52
25	25	23	24	50	43	46	50	46	49	57	51	53
26	28	25	26	48	42	45	51	48	49	55	50	53
27	33	27	30	45	41	43	51	47	49	55	51	53
28	35	31	33	46	42	43	50	47	48	54	51	53
29	---	---	---	45	42	44	50	47	49	54	49	52
30	---	---	---	---	---	---	50	47	49	53	47	50
31	---	---	---	---	---	---	---	---	---	51	47	48
MONTH	---	---	---	---	---	---	---	---	---	57	47	51
	JUNE			JULY			AUGUST			SEPTEMBER		
1	54	48	51	51	43	48	65	59	62	48	45	47
2	53	50	52	55	48	50	67	61	64	47	44	45
3	56	51	53	49	42	45	66	61	64	47	44	45
4	62	53	56	49	43	46	66	62	64	45	39	43
5	61	54	58	48	37	42	68	64	66	42	37	40
6	56	44	49	42	37	40	71	65	68	41	36	38
7	44	39	41	43	37	40	72	21	65	45	40	43
8	45	37	40	43	36	39	72	68	71	50	45	47
9	46	41	43	51	42	45	74	71	72	51	48	50
10	61	41	47	51	44	46	75	72	73	52	50	51
11	56	49	52	50	45	47	113	72	78	53	51	52
12	59	52	54	---	---	---	76	72	73	53	51	52
13	65	49	54	---	---	---	75	54	62	52	42	48
14	52	35	43	---	---	---	61	55	56	42	33	36
15	41	33	37	---	---	---	58	54	56	37	33	35
16	50	36	43	---	---	---	55	54	55	42	36	39
17	69	48	60	---	---	---	55	53	54	48	42	45
18	71	54	62	47	41	43	55	53	54	53	48	51
19	61	41	50	70	46	58	58	53	54	60	52	56
20	41	31	35	68	51	57	55	53	54	60	56	57
21	34	28	30	52	50	51	61	54	55	60	54	58
22	38	30	34	55	51	52	56	54	55	54	52	53
23	39	30	33	55	51	53	55	53	54	54	52	53
24	50	36	41	56	53	55	55	54	54	53	51	52
25	70	50	60	---	---	---	55	53	54	52	47	49
26	71	39	50	---	---	---	54	52	53	48	46	47
27	52	39	44	---	---	---	55	53	54	50	48	49
28	51	45	48	---	---	---	53	46	50	51	48	50
29	53	43	47	---	---	---	48	45	46	52	50	51
30	50	43	46	63	57	60	47	43	45	54	52	53
31	---	---	---	63	58	61	50	46	48	---	---	---
MONTH	71	28	47	---	---	---	113	21	59	60	33	48

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.3	22.1	23.1	19.0	17.6	18.3	---	---	---	12.7	12.6	12.6
2	23.8	22.6	23.2	17.6	16.8	17.1	---	---	---	12.6	12.4	12.5
3	23.3	22.6	22.9	16.9	16.7	16.8	---	---	---	12.4	12.1	12.3
4	24.1	22.4	23.2	16.7	15.4	15.9	---	---	---	12.1	11.4	11.8
5	24.5	23.4	23.8	15.5	15.3	15.4	---	---	---	11.8	11.3	11.5
6	24.4	23.6	23.9	15.3	14.7	15.0	---	---	---	12.1	11.8	12.0
7	24.1	23.7	23.9	---	---	---	---	---	---	12.0	11.7	11.8
8	23.9	23.4	23.6	---	---	---	---	---	---	11.7	11.5	11.6
9	23.4	22.9	23.1	15.0	13.9	14.4	---	---	---	11.8	11.6	11.7
10	23.1	22.7	22.9	17.0	15.0	16.1	---	---	---	12.0	11.8	11.9
11	22.7	22.2	22.4	17.9	17.0	17.5	10.1	9.6	9.8	11.9	11.4	11.6
12	22.3	21.8	22.0	17.9	17.1	17.5	10.0	9.9	10	11.4	10.9	11.0
13	22.0	21.4	21.7	17.2	16.4	16.8	10.2	9.7	10.0	10.9	10.5	10.7
14	21.4	20.3	20.8	16.5	15.6	16.1	10.1	9.6	9.9	10.8	10.3	10.4
15	20.3	19.2	19.9	16.9	16.3	16.6	10.2	9.8	10	10.6	10.2	10.4
16	19.4	18.1	18.8	16.3	15.5	15.8	10.4	10.0	10.2	10.8	10.3	10.5
17	19.0	17.1	18.1	15.5	15.3	15.4	11.1	10.4	10.6	10.6	9.9	10.2
18	19.1	17.0	18.1	15.4	15.4	15.4	12.5	11.1	11.7	9.9	9.4	9.7
19	18.9	18.2	18.6	15.6	15.4	15.5	13.6	12.5	13.2	9.8	9.1	9.5
20	19.2	18.6	18.8	15.8	15.6	15.7	13.6	13.4	13.5	10.8	9.6	10.0
21	18.9	18.7	18.8	15.8	15.7	15.8	13.5	13.3	13.4	12.1	10.8	11.4
22	18.8	18.5	18.7	15.8	15.6	15.7	13.4	13.3	13.4	12.3	11.9	12.2
23	19.0	18.5	18.8	19.6	15.5	16.6	13.5	13.4	13.4	11.9	10.5	11.2
24	19.4	18.8	19.0	22.9	19.6	21.5	13.6	13.5	13.6	10.5	8.8	9.5
25	19.5	19.2	19.3	24.3	22.8	23.6	13.6	12.9	13.1	9.2	8.2	8.8
26	19.7	19.4	19.6	25.4	24.3	24.9	12.9	12.6	12.8	9.1	8.9	9.0
27	20.2	19.7	19.9	26.1	25.4	25.9	12.6	12.0	12.3	9.8	8.7	9.2
28	20.4	20.2	20.3	26.9	26.0	26.5	12.1	11.8	11.9	9.8	9.0	9.5
29	21.0	20.4	20.8	27.0	26.8	26.9	12.2	11.9	12.0	10.5	9.3	9.9
30	20.9	20.2	20.5	---	---	---	12.2	12.1	12.1	12.0	10.5	11.5
31	20.2	19.0	19.5	---	---	---	12.6	12.2	12.4	11.8	11.4	11.5
MONTH	24.5	17.0	20.9	---	---	---	---	---	---	12.7	8.2	10.9
FEBRUARY			MARCH			APRIL			MAY			
1	11.4	11.1	11.3	10.1	9.7	9.9	16.2	13.9	15.0	21.7	19.9	20.9
2	12.2	11.2	11.5	11.5	10.1	10.8	16.2	14.4	15.4	22.6	20.2	21.3
3	13.2	12.2	12.7	---	---	---	17.8	15.1	16.4	23.6	20.7	22.0
4	13.3	12.0	12.6	11.8	10.9	11.3	18.4	16.6	17.4	22.5	21.4	22.0
5	12.1	11.3	11.5	12.2	11.8	12.0	18.3	17.4	17.8	23.2	21.5	22.3
6	11.3	10.1	10.8	12.1	11.6	11.9	19.0	17.8	18.4	22.8	21.8	22.3
7	10.1	8.4	8.9	---	---	---	18.9	18.4	18.6	23.8	21.8	22.6
8	---	---	---	---	---	---	18.9	17.7	18.3	24.2	22.0	23.0
9	---	---	---	---	---	---	17.7	15.2	16.2	25.2	22.5	23.7
10	---	---	---	---	---	---	16.6	13.9	15.2	24.8	23.0	23.8
11	---	---	---	---	---	---	16.9	14.2	15.5	23.9	22.3	22.9
12	10.7	9.2	9.9	---	---	---	17.8	14.6	16.2	22.9	21.3	22.0
13	11.9	10.4	11.1	16.4	15.7	16.1	18.6	15.4	17.0	22.8	20.9	21.7
14	13.8	11.9	12.8	15.9	15.0	15.4	18.9	15.8	17.3	23.3	21.0	22.0
15	14.6	13.8	14.3	15.5	15.3	15.4	18.9	16.3	17.6	23.6	21.4	22.4
16	14.4	12.6	13.7	15.5	15.4	15.4	18.3	17.1	17.8	24.3	21.8	23.0
17	12.9	11.9	12.4	16.6	15.5	15.9	20.7	17.5	18.9	24.2	22.5	23.2
18	12.8	11.4	12.1	16.6	16.3	16.4	21.1	18.0	19.5	24.3	21.3	22.9
19	13.4	12.1	12.7	17.3	15.6	16.4	20.1	19.0	19.6	24.6	21.8	23.2
20	13.5	13.1	13.3	17.4	15.8	16.5	19.9	19.0	19.4	24.9	22.2	23.4
21	13.5	13.1	13.3	16.5	15.8	16.2	20.9	18.7	19.6	24.1	22.5	23.3
22	13.4	13.2	13.3	16.6	15.4	16.0	19.6	18.1	18.9	24.6	21.8	23.1
23	13.3	12.6	12.9	17.4	15.3	16.2	19.7	17.8	18.6	24.3	21.2	22.7
24	13.1	12.7	12.9	17.7	15.4	16.5	20.0	18.8	19.3	24.0	20.8	22.3
25	12.7	11.6	12.1	17.4	16.0	16.7	22.0	19.2	20.3	23.1	21.2	22.2
26	11.6	10.4	10.9	16.9	16.5	16.7	21.8	18.7	20.2	22.3	21.3	21.8
27	10.5	10.1	10.3	18.2	15.8	16.9	21.8	18.5	20.1	22.8	20.5	21.4
28	10.3	9.8	10.1	18.0	16.6	17.2	21.8	19.0	20.3	23.3	19.8	21.5
29	---	---	---	16.8	15.6	16.0	22.2	19.1	20.6	23.3	20.0	21.6
30	---	---	---	---	---	---	22.3	19.7	21.0	24.1	20.6	22.3
31	---	---	---	15.8	13.2	14.5	---	---	---	25.1	21.6	23.2
MONTH	---	---	---	---	---	---	22.3	13.9	18.2	25.2	19.8	22.5

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.6	22.5	23.9	25.1	22.7	23.8	27.4	24.4	25.8	24.1	22.8	23.4
2	25.4	23.0	24.0	25.2	22.9	24.0	27.7	24.7	26.0	25.1	22.8	23.8
3	26.2	22.9	24.2	25.1	23.4	24.2	27.7	24.8	26.1	26.0	23.3	24.4
4	24.4	22.6	23.6	24.3	23.5	23.8	27.1	24.7	25.9	25.4	23.6	24.4
5	24.0	22.4	23.2	24.3	23.2	23.6	26.2	24.6	25.4	24.8	23.4	24.1
6	24.5	22.1	23.1	24.9	22.7	23.7	27.7	24.3	25.8	24.5	21.9	23.1
7	24.4	22.4	23.3	25.2	23.0	24.1	27.7	25.2	26.3	24.1	21.6	22.8
8	24.7	22.4	23.5	25.1	23.4	24.2	27.5	24.9	26.1	24.4	21.8	23.0
9	25.2	22.6	23.9	25.0	23.2	24.1	26.5	24.2	25.4	24.9	22.0	23.4
10	25.2	22.9	24.1	24.5	23.2	23.8	27.0	24.0	25.4	24.8	22.4	23.5
11	26.2	23.5	24.7	24.0	22.7	23.1	25.5	22.9	23.9	24.3	22.5	23.4
12	25.1	23.1	24.0	---	---	---	24.3	22.1	23.0	23.2	22.1	22.5
13	24.5	22.3	23.2	---	---	---	24.3	22.1	23.1	23.9	21.6	22.6
14	22.9	21.7	22.1	---	---	---	26.1	22.6	24.1	24.0	21.8	22.8
15	21.7	21.4	21.6	---	---	---	26.3	23.3	24.7	24.2	22.0	23.0
16	21.9	21.2	21.5	---	---	---	26.4	23.8	25.1	23.9	21.5	22.6
17	22.7	21.3	21.9	---	---	---	25.6	24.4	25.1	23.6	20.6	22.1
18	23.7	21.6	22.6	26.4	23.7	25.0	26.0	23.8	25.0	23.1	20.6	21.8
19	24.6	22.3	23.4	25.6	24.0	24.8	26.7	24.1	25.2	23.2	20.3	21.8
20	23.9	22.6	23.2	26.6	23.6	24.9	27.2	24.3	25.6	22.3	20.8	21.6
21	23.9	22.9	23.3	26.9	24.1	25.4	25.8	24.0	24.9	21.7	21.0	21.2
22	24.5	23.4	23.9	27.2	24.6	25.7	26.0	23.2	24.5	22.2	20.6	21.3
23	25.0	24.0	24.5	26.4	24.6	25.5	26.3	23.6	24.9	22.7	19.8	21.2
24	25.2	24.4	24.8	25.6	24.2	24.9	26.4	23.8	25.1	22.9	20.6	21.7
25	25.6	24.5	25.0	25.5	23.8	24.4	27.0	24.2	25.4	23.4	20.7	22.0
26	25.9	24.3	25.0	---	---	---	26.0	23.9	24.9	22.1	20.9	21.5
27	25.2	24.1	24.6	---	---	---	26.0	23.7	24.6	23.5	20.6	21.9
28	25.6	23.4	24.4	---	---	---	25.9	23.1	24.2	23.0	20.8	21.8
29	24.7	23.5	24.1	---	---	---	25.2	22.8	23.9	21.2	19.0	20.1
30	24.5	23.2	23.8	27.0	24.4	25.7	24.0	23.1	23.6	20.1	17.5	18.8
31	---	---	---	27.4	24.5	25.8	23.8	22.9	23.4	---	---	---
MONTH	26.2	21.2	23.6	---	---	---	27.7	22.1	24.9	26.0	17.5	22.4

08015500 CALCASIEU RIVER NEAR KINDER, LA

LOCATION.--Lat 30°30'10", long 92°54'55", in NW ¼ SE ¼ 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.

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1957 to September 1961 (annual maximums) from National Weather Service, October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft above NGVD of 1929. August 1922 to January 1925, water-stage recorder 400 ft downstream at datum 1.77 ft higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Prior to November, 1981, paper mill at Elizabeth pumped about 11 ft³/s from wells which was later discharged into Mill Creek 36 mi above station. Water is diverted during period April to September at points just above station and 5.0 mi above station for the irrigation of about 7,500 acres of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s and this diversion results in marked regulation of the low-water flow.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	564	e18,200	1,300	6,380	3,390	8,970	1,790	570	371	864	562	582
2	508	e15,800	1,270	7,430	3,040	8,140	1,700	559	337	835	595	602
3	641	e13,700	1,650	7,930	2,380	6,840	1,650	547	331	914	534	728
4	1,550	e16,600	5,450	8,190	2,030	5,540	1,580	538	365	885	495	778
5	2,450	30,600	9,700	7,600	1,850	4,600	1,450	539	445	1,090	466	910
6	2,930	67,500	12,500	5,970	2,040	4,010	1,340	531	507	1,260	450	839
7	3,310	63,600	12,800	4,940	4,500	3,660	1,230	518	696	1,460	431	639
8	3,150	43,900	14,100	4,730	5,360	3,620	1,460	507	900	1,810	414	519
9	2,850	33,200	13,600	4,760	4,800	3,440	1,510	497	839	1,460	416	443
10	2,600	28,700	10,600	4,590	4,010	3,200	1,310	485	644	1,160	402	400
11	3,410	21,300	7,430	4,160	3,570	3,130	1,160	474	526	1,050	520	377
12	3,190	13,900	6,940	3,500	3,260	3,160	1,070	464	497	1,070	519	476
13	2,770	9,770	7,940	2,800	2,890	3,500	1,020	460	541	1,210	444	689
14	2,460	7,210	8,660	2,240	2,520	5,040	957	449	881	1,400	432	1,020
15	2,380	5,730	8,530	1,920	3,060	6,030	902	441	1,810	e1,560	445	1,140
16	1,950	4,720	7,990	1,760	5,840	5,650	867	431	2,320	1,210	452	1,010
17	1,410	3,980	7,120	1,650	6,140	4,680	847	437	2,400	1,130	451	800
18	1,090	3,210	5,530	1,560	5,340	3,510	820	437	2,000	1,070	445	661
19	908	2,580	4,390	1,480	3,920	3,050	789	444	1,760	1,010	409	586
20	816	2,170	4,030	1,420	2,840	2,820	761	441	2,050	899	392	539
21	770	1,950	4,110	1,380	6,200	2,840	753	426	2,830	850	456	563
22	814	1,810	4,400	1,340	11,400	2,650	769	424	3,560	813	922	937
23	955	1,690	4,400	1,300	14,300	2,300	790	399	3,570	736	568	811
24	1,080	1,600	4,480	1,270	14,300	2,140	763	382	3,580	710	404	728
25	1,120	1,530	4,670	1,230	13,600	2,090	729	372	3,250	703	351	666
26	2,320	1,470	4,630	1,210	11,900	2,230	697	369	2,160	721	336	601
27	5,270	1,420	4,510	1,210	10,100	2,670	678	552	1,560	681	332	533
28	9,070	1,380	4,160	1,240	8,850	2,860	653	702	1,430	e730	331	487
29	20,600	1,340	3,500	1,460	---	2,870	641	493	1,170	e690	426	454
30	e28,800	1,330	3,150	1,970	---	2,550	599	473	981	622	594	426
31	e23,000	---	4,420	3,230	---	2,060	---	420	---	575	651	---
TOTAL	134,736	421,890	197,960	101,850	163,430	119,850	31,285	14,781	44,311	31,178	14,645	19,944
MEAN	4,346	14,060	6,386	3,285	5,837	3,866	1,043	477	1,477	1,006	472	665
MAX	28,800	67,500	14,100	8,190	14,300	8,970	1,790	702	3,580	1,810	922	1,140
MIN	508	1,330	1,270	1,210	1,850	2,060	599	369	331	575	331	377
AC-FT	267,200	836,800	392,700	202,000	324,200	237,700	62,050	29,320	87,890	61,840	29,050	39,560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2003, BY WATER YEAR (WY)

	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
MEAN	1,095	1,822	3,768	4,337	4,509	4,086	3,591	3,406	1,866	1,426	996	918
MAX	9,258	14,060	20,030	12,880	11,760	11,880	14,730	36,390	9,601	20,130	12,370	7,285
(WY)	(1985)	(2003)	(1983)	(1998)	(1950)	(1995)	(1923)	(1953)	(1950)	(1989)	(1940)	(1979)
MIN	188	245	308	300	276	494	472	378	289	265	209	224
(WY)	(2001)	(2000)	(1955)	(1981)	(2000)	(2000)	(1981)	(1963)	(1948)	(1956)	(2000)	(2000)

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923 - 2003	
ANNUAL TOTAL	1,225,150		1,295,860			
ANNUAL MEAN	3,357		3,550		2,649	
HIGHEST ANNUAL MEAN					4,979	1983
LOWEST ANNUAL MEAN					629	2000
HIGHEST DAILY MEAN	67,500	Nov 6	67,500	Nov 6	166,000	May 20, 1953
LOWEST DAILY MEAN	277	Sep 16	331	Jun 3	140	Aug 15, 1956
ANNUAL SEVEN-DAY MINIMUM	292	Sep 13	392	May 30	159	Sep 4, 2000
MAXIMUM PEAK FLOW			78,100	Nov 7	182,000	May 19, 1953
MAXIMUM PEAK STAGE			24.29	Nov 7	32.00	May 19, 1953
INSTANTANEOUS LOW FLOW			315	Jun 2,3	136	Aug 15, 1956
ANNUAL RUNOFF (AC-FT)	2,430,000		2,570,000		1,919,000	
10 PERCENT EXCEEDS	7,070		7,960		6,120	
50 PERCENT EXCEEDS	1,590		1,410		1,040	
90 PERCENT EXCEEDS	419		445		331	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	---	4.81	12.82	9.87	15.13	6.38	2.95	2.33	3.79	2.57	2.93
2	2.70	---	4.72	13.90	9.39	14.93	6.14	2.92	2.22	3.70	2.68	2.99
3	3.10	---	5.58	14.26	7.83	14.16	6.03	2.88	2.20	3.94	2.49	3.38
4	5.72	---	11.35	14.43	6.96	13.13	5.84	2.85	2.31	3.85	2.36	3.53
5	7.95	19.00	14.68	14.43	6.51	12.01	5.50	2.85	2.56	4.44	2.27	3.93
6	8.87	23.29	16.18	13.59	6.90	11.07	5.20	2.83	2.75	4.94	2.22	3.71
7	9.67	23.60	16.28	12.37	10.85	10.43	4.90	2.79	3.33	5.50	2.16	3.10
8	9.51	21.79	16.59	11.90	12.53	10.27	5.52	2.75	3.95	6.41	2.11	2.73
9	8.91	20.40	16.59	11.90	12.15	10.06	5.65	2.72	3.76	5.49	2.11	2.49
10	8.31	19.66	15.75	11.78	11.18	9.59	5.13	2.69	3.18	4.66	2.07	2.35
11	9.68	18.57	14.33	11.27	10.33	9.39	4.70	2.65	2.81	4.34	2.44	2.28
12	9.68	16.97	13.68	10.33	9.76	9.42	4.45	2.62	2.72	4.40	2.44	2.60
13	8.75	15.60	14.19	8.89	9.01	9.79	4.29	2.61	2.86	4.81	2.20	3.26
14	8.02	14.38	14.68	7.49	8.15	11.71	4.12	2.58	3.87	5.26	2.16	4.26
15	7.83	13.23	14.71	6.69	8.68	13.10	3.95	2.55	6.41	---	2.21	4.42
16	6.76	12.08	14.42	6.27	12.46	13.05	3.85	2.52	7.68	4.61	2.23	3.93
17	5.35	10.99	13.96	5.99	13.43	12.20	3.79	2.54	7.88	4.39	2.22	3.27
18	4.46	9.71	12.90	5.76	12.84	10.46	3.71	2.54	6.91	4.21	2.21	2.82
19	3.92	8.19	11.41	5.55	11.32	9.34	3.61	2.56	6.31	4.01	2.09	2.58
20	3.64	7.18	10.67	5.39	9.06	8.80	3.53	2.55	7.02	3.65	2.04	2.43
21	3.50	6.62	10.62	5.27	12.03	8.79	3.50	2.51	8.66	3.50	2.24	2.51
22	3.64	6.25	11.02	5.17	15.71	8.45	3.55	2.50	10.01	3.38	3.87	3.74
23	4.06	5.95	11.12	5.07	16.79	7.64	3.62	2.42	10.21	3.14	2.88	3.34
24	4.43	5.69	11.16	4.98	16.80	7.26	3.53	2.36	10.19	3.05	2.37	3.07
25	4.54	5.49	11.40	4.86	16.61	7.13	3.44	2.33	9.82	3.03	2.20	2.88
26	7.48	5.32	11.44	4.80	16.20	7.45	3.34	2.32	7.33	3.09	2.15	2.67
27	11.53	5.17	11.29	4.81	15.66	8.43	3.28	2.89	5.75	2.95	2.13	2.45
28	14.65	5.05	10.94	4.91	15.13	8.82	3.21	3.35	5.40	---	2.13	2.31
29	17.57	4.95	9.96	5.48	---	8.93	3.17	2.71	4.69	---	2.44	2.20
30	---	4.92	9.17	6.76	---	8.07	3.04	2.65	4.14	2.76	2.96	2.12
31	---	---	10.51	9.40	---	7.04	---	2.49	---	2.61	3.14	---
MAX	---	---	16.59	14.43	16.80	15.13	6.38	3.35	10.21	---	3.87	4.42
MIN	---	---	4.72	4.80	6.51	7.04	3.04	2.32	2.20	---	2.04	2.12

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES

LOCATION.--Lat 30°14'13", long 93°14'50", T. 9 S., R. 9 W., sec. 36, Calcasieu Parish, Hydrologic Unit 08080206, on right downstream side of bridge pier below I-10 in Lake Charles.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.73 ft, July 15, 2003; minimum, -2.33 ft, Jan. 17, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.73 ft, July 15; minimum elevation, -2.23 ft, Jan. 17.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.08	0.93	1.64	2.69	2.04	2.40	1.20	-0.36	0.45	1.31	-0.67	0.30
2	2.40	0.94	1.94	2.68	2.04	2.33	1.39	0.04	0.87	1.52	-0.52	0.54
3	2.32	0.80	1.61	3.13	2.21	2.74	2.30	0.35	1.28	0.97	-1.11	-0.13
4	2.62	0.85	1.92	2.63	1.57	2.16	2.21	1.11	1.71	1.32	-0.17	0.73
5	2.29	1.56	1.90	3.67	2.47	2.99	1.78	-0.01	0.81	1.33	-0.06	0.80
6	1.99	1.16	1.58	2.93	1.68	2.26	1.86	0.41	1.07	1.21	-0.25	0.59
7	1.96	0.99	1.53	3.13	2.33	2.58	1.89	0.68	1.38	1.06	-0.08	0.48
8	2.17	0.87	1.51	3.34	2.82	3.05	1.82	0.51	1.19	1.05	0.08	0.45
9	2.52	1.57	2.06	3.45	2.68	3.09	1.65	0.44	1.15	1.08	0.36	0.73
10	2.63	1.43	2.17	3.26	2.38	2.83	1.57	0.59	1.14	1.19	-0.34	0.23
11	2.30	0.96	1.73	2.87	1.69	2.30	1.56	0.95	1.24	1.11	-0.18	0.57
12	2.35	0.96	1.79	1.91	0.83	1.41	2.19	1.45	1.79	1.13	0.19	0.76
13	2.08	0.45	1.40	1.56	0.87	1.23	2.13	-0.11	0.89	1.37	0.31	0.87
14	1.70	0.52	1.33	2.07	1.26	1.78	0.81	-0.66	0.12	1.12	-0.37	0.49
15	1.99	0.55	1.39	2.21	0.67	1.52	1.34	0.31	0.91	1.16	-0.45	0.48
16	1.77	0.55	1.43	0.80	-0.06	0.44	1.53	0.38	1.02	1.47	-0.16	0.63
17	2.09	1.04	1.61	1.49	0.01	0.64	1.77	0.38	1.12	0.12	-2.23	-1.00
18	2.27	1.02	1.74	1.66	0.72	1.23	2.10	0.78	1.51	0.98	-0.55	0.31
19	2.64	1.31	1.92	1.22	-0.21	0.63	1.89	0.47	1.27	0.92	-0.79	0.22
20	1.98	1.25	1.62	1.44	-0.36	0.56	1.62	-0.64	0.42	1.28	-0.15	0.69
21	2.01	0.91	1.43	1.42	-0.46	0.57	1.67	0.27	0.99	1.20	-0.03	0.73
22	2.03	0.76	1.45	1.32	-0.49	0.53	1.67	-0.11	0.90	1.08	-0.45	0.40
23	2.18	1.01	1.67	1.44	-0.09	0.73	2.10	0.61	1.20	0.32	-1.06	-0.56
24	2.22	0.87	1.57	1.57	0.12	0.96	2.23	-0.28	0.98	0.81	-0.49	0.17
25	2.42	1.51	2.06	1.57	0.08	0.92	0.59	-0.84	-0.44	0.91	-0.08	0.52
26	2.21	1.21	1.80	1.48	-0.36	0.67	1.02	0.21	0.58	0.98	-0.45	0.42
27	2.68	1.99	2.38	0.88	-0.26	0.13	1.15	0.30	0.73	1.41	-0.39	0.64
28	2.70	1.76	2.23	0.95	-0.03	0.47	0.99	-0.14	0.51	1.61	0.25	1.01
29	3.53	2.16	2.84	1.14	0.36	0.72	1.51	0.08	0.94	---	---	---
30	2.96	2.04	2.53	1.37	0.25	0.75	2.33	0.51	1.35	---	---	---
31	2.57	2.04	2.31	---	---	---	2.37	0.58	1.30	---	---	---
MONTH	3.53	0.45	1.81	3.67	-0.49	1.49	2.37	-0.84	0.98	---	---	---

CALCASIEU RIVER BASIN

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	1.81	0.67	1.36	1.26	0.35	0.90	2.15	1.08	1.60
2	---	---	---	1.61	0.43	1.15	1.36	0.28	0.87	1.85	0.53	1.34
3	---	---	---	1.75	0.76	1.25	1.48	0.31	1.09	1.88	0.51	1.24
4	---	---	---	2.26	1.08	1.70	1.96	0.72	1.49	2.26	0.42	1.58
5	---	---	---	1.92	1.26	1.58	1.85	0.78	1.31	2.59	1.41	2.12
6	---	---	---	1.77	0.88	1.21	2.70	0.73	1.89	2.53	1.41	2.08
7	---	---	---	1.65	0.55	1.20	2.28	0.98	1.63	2.40	1.54	1.97
8	1.47	0.03	0.73	1.62	0.61	1.27	1.37	0.60	0.89	2.56	1.07	1.91
9	1.97	0.78	1.45	1.64	0.78	1.25	0.66	-0.73	0.06	2.52	1.57	2.17
10	1.53	0.45	0.92	1.66	0.32	1.08	1.15	-0.42	0.42	2.61	1.70	2.15
11	1.67	0.01	0.90	1.85	0.29	1.16	1.31	-0.50	0.45	2.16	1.00	1.63
12	1.67	0.39	1.08	1.83	0.57	1.31	1.31	-0.20	0.67	1.31	0.32	0.86
13	1.62	0.19	0.96	1.76	0.30	1.13	1.20	-0.08	0.66	1.70	0.52	1.17
14	1.83	0.46	1.28	1.93	0.45	1.23	1.32	0.21	0.80	1.92	0.75	1.40
15	2.15	0.79	1.56	2.06	0.55	1.34	1.34	0.49	0.92	1.96	0.52	1.37
16	1.52	-0.11	0.66	2.15	0.77	1.49	1.73	0.58	1.31	2.12	0.31	1.56
17	1.18	-0.69	0.21	2.22	1.09	1.74	1.60	0.44	1.07	2.33	0.55	1.50
18	1.50	0.33	1.00	2.26	1.48	1.83	1.53	0.03	0.97	1.52	-0.21	0.89
19	1.73	0.73	1.26	2.54	1.46	2.09	2.06	0.38	1.41	1.60	-0.15	0.94
20	1.60	0.56	0.99	2.30	1.39	1.74	1.90	0.40	1.26	1.34	-0.11	0.76
21	2.77	1.35	1.98	1.70	0.61	1.15	1.45	0.10	0.92	1.15	-0.34	0.54
22	2.77	0.49	1.31	1.60	0.09	1.00	1.72	0.03	0.99	1.19	-0.32	0.59
23	2.09	0.04	1.12	1.45	0.02	0.87	2.34	0.39	1.31	1.22	0.03	0.68
24	1.82	0.57	1.23	1.73	-0.03	0.97	2.46	1.40	2.08	1.52	0.33	0.89
25	1.74	0.15	0.99	1.78	0.13	1.08	2.14	0.95	1.47	1.41	0.60	0.96
26	1.99	0.44	1.27	1.55	0.06	0.93	1.50	0.28	0.86	1.48	0.34	1.03
27	1.66	0.50	1.25	2.01	0.37	1.27	1.66	0.67	1.11	1.11	0.16	0.65
28	1.70	0.42	1.19	2.12	1.02	1.56	1.69	0.95	1.33	1.29	-0.03	0.89
29	---	---	---	1.08	-0.65	0.19	1.77	0.84	1.43	1.31	0.19	0.79
30	---	---	---	0.61	-0.51	0.12	1.95	1.09	1.62	1.40	-0.12	0.85
31	---	---	---	1.09	-0.12	0.43	---	---	---	1.49	-0.04	0.85
MONTH	---	---	---	2.54	-0.65	1.22	2.70	-0.73	1.11	2.61	-0.34	1.26
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.19	-0.32	0.63	1.98	0.92	1.50	1.21	-0.03	0.78	2.86	1.59	2.25
2	1.72	-0.22	1.00	2.16	0.53	1.45	1.37	0.14	0.85	2.13	1.04	1.78
3	1.68	0.17	1.07	2.05	0.53	1.40	1.41	0.47	0.90	2.21	0.79	1.65
4	1.49	0.03	0.95	1.95	0.59	1.34	1.50	0.35	0.93	2.11	0.52	1.46
5	1.77	0.17	1.08	1.98	0.68	1.35	1.55	0.22	1.01	1.91	0.44	1.35
6	1.82	0.48	1.18	2.11	0.96	1.44	1.46	-0.05	0.95	1.97	0.44	1.37
7	1.38	0.05	0.81	2.26	1.29	1.68	1.36	-0.69	0.61	1.94	0.44	1.43
8	1.25	0.16	0.72	1.81	0.75	1.49	1.03	-0.69	0.53	2.14	0.64	1.54
9	1.48	0.42	0.83	1.93	0.73	1.53	1.57	-0.44	0.97	2.31	0.64	1.63
10	1.64	0.42	1.28	2.12	0.39	1.42	1.56	-0.15	1.00	2.15	1.03	1.73
11	1.91	0.57	1.45	1.94	0.34	1.34	1.48	-0.13	0.86	2.09	1.03	1.60
12	1.99	0.49	1.42	1.90	0.32	1.31	1.67	-0.12	1.05	2.75	1.25	2.16
13	2.15	0.10	1.38	2.51	0.28	1.56	1.90	0.13	1.11	2.28	1.62	1.96
14	1.99	0.47	1.38	2.99	0.76	2.12	1.78	0.52	1.22	2.08	1.05	1.54
15	2.01	0.32	1.26	3.73	2.05	2.91	2.14	0.44	1.08	2.02	0.95	1.48
16	1.83	0.21	1.16	2.64	1.47	2.04	2.14	1.13	1.54	2.05	1.21	1.72
17	1.76	0.23	1.19	1.89	0.69	1.31	1.60	0.88	1.25	2.22	1.35	1.82
18	1.85	0.45	1.30	1.60	0.50	1.12	1.39	0.42	1.02	2.24	1.00	1.81
19	1.82	0.66	1.31	1.55	0.66	1.03	1.56	0.23	1.01	2.21	0.91	1.69
20	1.86	0.68	1.25	1.39	0.63	0.96	1.49	0.06	0.97	2.02	0.89	1.59
21	1.70	1.06	1.31	1.16	0.40	0.86	1.43	-0.26	0.80	2.91	1.15	2.34
22	1.80	0.82	1.26	1.48	-0.05	0.92	1.42	-0.12	0.93	2.40	1.00	1.84
23	1.53	0.68	1.23	1.38	-0.49	0.65	1.59	0.05	1.15	2.04	0.94	1.68
24	1.87	0.64	1.36	1.13	-0.49	0.58	1.69	0.20	1.22	2.25	1.11	1.82
25	1.96	0.61	1.45	1.41	-0.34	0.79	1.94	0.21	1.38	2.35	1.14	1.81
26	1.96	0.65	1.48	1.45	-0.13	0.90	1.92	0.53	1.45	2.53	1.28	1.94
27	1.97	0.65	1.39	1.34	-0.24	0.84	2.16	0.55	1.56	2.44	1.28	1.82
28	1.91	0.35	1.36	1.61	-0.17	0.95	1.94	0.76	1.50	2.28	0.50	1.42
29	2.04	0.51	1.48	1.65	-0.13	0.98	2.07	0.84	1.57	2.33	1.03	1.61
30	2.47	0.89	1.89	1.51	0.06	0.97	2.70	1.04	1.82	2.33	1.00	1.73
31	---	---	---	1.39	-0.15	0.82	3.40	2.43	2.84	---	---	---
MONTH	2.47	-0.32	1.23	3.73	-0.49	1.28	3.40	-0.69	1.16	2.91	0.44	1.72

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1998 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: December 1998 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Jan. 12-Feb. 10, Apr. 28-May 24, Aug. 9-11, and Sept. 15-30 when records good; May 25-June 12 when records fair; and June 13-23 when records poor.

SALINITY: Records excellent except for Jan. 12-Feb. 10, Apr. 28-May 24, Aug. 9-11, and Sept. 15-30 when records good; May 25-June 12 when records fair; and June 13-23 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 41,400 microsiemens/cm, Sept. 12, 2000; minimum, 24 microsiemens/cm, Nov. 11, 2002.

SALINITY: Maximum, 18.9 ppt, Aug. 31, 2003; minimum, 0.0 ppt, many times.

WATER TEMPERATURE: Maximum, 34.0°C, July 24, 2001; minimum, 6.7°C, Jan. 3, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 30,500 microsiemens/cm, Aug. 31; minimum, 24 microsiemens/cm, Nov. 11.

SALINITY: Maximum, 18.9 ppt, Aug. 31; minimum, 0.0 ppt, on many days.

WATER TEMPERATURE: Maximum, 33.1°C, Aug. 8, 16; minimum, 9.1°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11,800	6,470	8,580	102	62	79	11,000	8,560	10,200	1,400	434	979
2	16,700	7,590	10,200	62	41	50	13,900	8,730	11,600	850	206	423
3	15,800	8,640	13,000	53	36	43	13,000	7,470	10,900	440	194	268
4	15,400	9,480	12,400	48	37	42	8,850	1,040	4,360	891	171	440
5	11,200	6,170	8,300	61	37	48	1,040	122	392	1,080	327	600
6	7,380	4,710	5,680	56	45	52	188	52	123	1,030	258	621
7	6,070	4,170	5,080	136	48	97	101	43	77	883	415	631
8	6,700	3,890	4,780	148	56	122	65	41	57	1,040	438	728
9	6,840	4,490	5,480	56	25	34	55	38	47	1,140	238	639
10	6,820	2,940	4,870	25	25	25	57	36	47	619	264	442
11	3,400	938	1,950	26	24	25	54	35	46	1,100	260	703
12	1,700	707	1,120	27	25	26	114	35	46	2,220	869	1,410
13	1,630	645	942	28	26	27	205	55	94	3,210	1,470	2,420
14	2,310	607	1,140	30	27	28	65	47	58	4,590	2,570	3,630
15	4,670	1,910	2,920	34	29	31	64	45	56	3,730	2,650	3,280
16	4,040	2,080	2,980	39	33	36	153	50	81	6,040	2,730	4,450
17	4,440	2,830	3,450	61	36	41	391	94	207	5,460	3,260	4,240
18	4,720	2,970	3,940	99	38	55	546	86	241	8,140	4,190	6,140
19	6,600	4,140	4,910	154	40	66	432	149	247	7,870	5,700	6,670
20	8,770	3,640	4,930	292	78	145	375	88	181	8,500	5,950	7,050
21	6,020	3,860	4,720	1,260	259	646	482	99	207	8,560	6,230	7,510
22	5,640	3,970	4,480	2,130	602	1,460	579	132	366	8,320	5,460	6,510
23	5,600	3,980	4,710	2,920	1,140	1,900	1,420	437	688	7,200	5,980	6,690
24	5,670	3,760	4,590	3,720	1,540	2,590	1,820	794	1,370	11,400	6,480	7,480
25	6,970	3,490	4,830	4,370	2,610	3,450	794	351	517	15,700	7,570	9,350
26	3,900	1,220	2,490	5,620	3,460	4,710	902	433	676	13,700	7,660	9,320
27	1,220	222	820	6,600	4,570	5,740	1,940	679	1,290	13,900	8,720	10,600
28	236	99	173	9,200	5,660	7,480	2,810	1,320	1,690	12,800	8,740	11,200
29	178	62	109	11,600	7,200	8,950	2,860	1,340	1,970	---	---	---
30	82	60	69	12,400	8,560	10,900	3,790	1,410	2,230	---	---	---
31	112	52	80	---	---	---	4,160	1,210	2,850	---	---	---
MONTH	16,700	52	4,310	12,400	24	1,630	13,900	35	1,710	---	---	---

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	52	39	45	---	---	---	12,600	10,300	11,700
2	---	---	---	61	40	47	---	---	---	13,800	11,100	12,400
3	---	---	---	175	61	97	---	---	---	13,200	10,600	12,300
4	---	---	---	943	175	523	---	---	---	15,400	10,300	13,200
5	---	---	---	915	316	611	---	---	---	15,900	13,700	14,800
6	---	---	---	1,260	415	689	---	---	---	15,500	14,600	14,900
7	---	---	---	1,060	546	796	---	---	---	15,300	14,100	14,800
8	3,600	2,140	2,730	912	366	650	---	---	---	16,100	12,600	14,400
9	2,790	1,490	2,030	1,050	404	734	---	---	---	16,100	14,100	15,100
10	3,470	1,320	2,160	1,230	606	957	---	---	---	15,500	13,100	14,500
11	1,880	717	1,480	1,520	860	1,240	---	---	---	15,200	11,900	13,500
12	2,060	901	1,450	1,800	1,120	1,460	---	---	---	11,900	9,280	10,700
13	1,840	868	1,280	1,730	1,340	1,530	---	---	---	15,300	10,600	12,400
14	2,240	806	1,520	1,800	991	1,420	---	---	---	14,500	12,100	13,600
15	2,900	1,180	2,150	1,390	657	927	---	---	---	14,600	11,800	13,600
16	1,950	522	1,320	733	322	493	8,990	6,370	7,710	15,500	11,300	13,900
17	1,140	376	689	831	314	559	9,500	8,410	9,130	15,000	12,300	13,800
18	880	391	613	923	431	673	9,460	7,740	8,860	13,900	10,300	12,300
19	1,430	445	722	1,500	673	1,050	10,800	8,160	9,440	13,100	10,500	12,000
20	1,140	518	771	1,480	767	1,080	10,500	8,880	9,850	12,400	10,300	11,400
21	1,620	299	856	---	---	---	10,800	7,640	9,040	13,400	9,720	10,900
22	564	70	173	---	---	---	10,500	7,050	8,660	13,500	9,490	10,800
23	75	47	63	---	---	---	10,500	6,900	8,570	12,800	9,850	11,100
24	68	45	54	---	---	---	12,900	10,400	11,400	14,500	10,700	12,400
25	59	41	48	---	---	---	12,600	9,520	11,700	14,500	11,700	13,300
26	50	39	44	---	---	---	11,400	6,750	8,900	16,400	12,600	13,900
27	50	39	44	---	---	---	10,700	7,850	9,240	14,700	12,800	13,800
28	52	40	45	---	---	---	11,400	9,240	10,300	17,300	12,600	14,600
29	---	---	---	---	---	---	11,700	9,440	10,700	16,200	12,700	14,800
30	---	---	---	---	---	---	11,800	10,000	11,000	16,400	12,300	15,100
31	---	---	---	---	---	---	---	---	---	16,800	14,700	15,900
MONTH	---	---	---	---	---	---	---	---	---	17,300	9,280	13,300
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21,200	14,000	16,400	6,020	3,510	4,730	10,000	5,210	7,250	27,700	17,100	22,600
2	18,900	13,100	16,300	6,680	2,990	4,370	11,400	5,920	7,470	25,200	12,200	17,800
3	18,400	16,800	17,600	5,860	3,420	4,390	10,600	6,180	7,600	20,900	12,700	15,800
4	18,500	15,800	17,200	4,660	3,120	4,160	9,580	5,490	7,330	16,900	11,600	14,300
5	18,300	14,900	16,700	3,780	2,820	3,330	10,700	7,000	8,080	17,500	10,800	14,000
6	19,200	15,900	17,300	5,560	3,290	4,510	14,400	7,200	9,320	19,600	10,700	14,000
7	19,200	15,000	16,700	4,760	3,810	4,130	12,600	6,850	9,330	19,000	11,200	15,200
8	17,900	14,100	15,500	4,900	3,640	4,180	12,100	7,480	8,860	20,100	12,100	15,100
9	18,800	13,600	15,900	4,820	3,410	4,180	17,500	7,870	12,100	19,500	13,100	17,000
10	18,600	15,400	17,300	5,060	3,560	4,360	19,200	10,600	14,700	17,600	13,300	15,800
11	20,200	16,200	18,500	4,780	3,080	4,120	20,100	9,470	13,700	19,300	11,500	15,700
12	20,100	18,100	19,400	4,360	3,080	3,810	19,400	9,550	15,400	20,000	11,000	14,200
13	21,000	17,400	19,300	4,560	3,270	3,860	20,100	11,800	15,000	11,400	7,680	9,060
14	19,800	17,000	18,900	8,270	3,560	5,260	22,400	10,600	14,400	7,820	4,680	6,170
15	18,300	9,660	14,800	6,710	4,900	5,840	28,600	12,600	17,400	6,320	3,710	4,660
16	9,660	4,240	6,740	9,840	6,160	8,110	25,800	15,300	20,300	6,850	4,040	5,160
17	4,850	3,040	3,720	7,600	5,360	6,400	24,400	15,600	20,300	8,040	4,550	5,830
18	4,160	2,520	3,250	6,000	3,770	4,780	24,800	12,600	17,600	7,610	4,830	5,920
19	3,790	2,580	3,150	4,950	3,370	3,990	20,800	10,700	16,300	10,500	4,930	6,990
20	3,850	2,320	2,930	5,110	2,310	3,350	19,700	11,100	16,000	9,710	5,010	7,250
21	3,320	1,650	2,100	5,150	2,140	3,060	20,100	7,840	15,700	13,600	5,650	8,830
22	3,130	1,500	2,280	---	---	---	19,700	8,290	16,300	9,120	4,110	6,580
23	3,060	1,050	1,650	---	---	---	21,800	10,900	17,400	4,480	2,580	3,680
24	2,580	1,440	2,090	---	---	---	21,400	11,100	17,200	4,700	2,780	3,600
25	2,470	1,320	1,970	---	---	---	22,100	12,800	18,400	6,000	2,810	4,140
26	2,420	1,310	1,900	---	---	---	26,200	15,400	21,200	7,710	2,820	4,260
27	2,080	1,030	1,360	---	---	---	27,100	16,300	22,000	6,540	3,830	4,830
28	1,820	906	1,260	---	---	---	25,800	16,400	20,600	7,740	4,250	5,140
29	2,710	1,330	1,960	13,000	7,530	9,730	26,600	14,100	19,400	9,610	4,980	6,030
30	7,090	2,710	4,530	13,200	5,940	8,780	28,800	13,300	19,100	12,100	6,300	8,590
31	---	---	---	11,000	5,540	7,490	30,500	18,800	23,700	---	---	---
MONTH	21,200	906	9,960	---	---	---	30,500	5,210	15,100	27,700	2,580	9,940

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.7	3.5	4.8	0.1	0.0	0.0	6.2	4.8	5.8	0.7	0.2	0.5
2	9.8	4.2	5.7	0.0	0.0	0.0	8.0	4.9	6.6	0.4	0.1	0.2
3	9.2	4.8	7.5	0.0	0.0	0.0	7.5	4.1	6.2	0.2	0.1	0.1
4	9.0	5.3	7.1	0.0	0.0	0.0	4.9	0.5	2.3	0.4	0.1	0.2
5	6.3	3.3	4.6	0.0	0.0	0.0	0.5	0.1	0.2	0.5	0.2	0.3
6	4.1	2.5	3.1	0.0	0.0	0.0	0.1	0.0	0.1	0.5	0.1	0.3
7	3.3	2.2	2.7	0.1	0.0	0.1	0.1	0.0	0.0	0.4	0.2	0.3
8	3.7	2.1	2.6	0.1	0.0	0.1	0.0	0.0	0.0	0.5	0.2	0.4
9	3.7	2.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.3
10	3.7	1.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.2
11	1.8	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.3
12	0.9	0.3	0.6	0.0	0.0	0.0	0.1	0.0	0.0	1.1	0.4	0.7
13	0.8	0.3	0.5	0.0	0.0	0.0	0.1	0.0	0.1	1.7	0.7	1.2
14	1.2	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.3	1.9
15	2.5	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.4	1.7
16	2.1	1.1	1.5	0.0	0.0	0.0	0.1	0.0	0.0	3.3	1.4	2.4
17	2.4	1.5	1.8	0.0	0.0	0.0	0.2	0.1	0.1	2.9	1.7	2.3
18	2.5	1.5	2.1	0.1	0.0	0.0	0.3	0.1	0.1	4.5	2.2	3.3
19	3.6	2.2	2.6	0.1	0.0	0.0	0.2	0.1	0.1	4.3	3.1	3.6
20	4.9	1.9	2.6	0.1	0.0	0.1	0.2	0.1	0.1	4.7	3.2	3.9
21	3.3	2.0	2.5	0.6	0.1	0.3	0.2	0.1	0.1	4.8	3.4	4.1
22	3.0	2.1	2.4	1.1	0.3	0.7	0.3	0.1	0.2	4.6	2.9	3.5
23	3.0	2.1	2.5	1.5	0.6	1.0	0.7	0.2	0.3	4.0	3.2	3.7
24	3.1	2.0	2.4	2.0	0.8	1.3	0.9	0.4	0.7	6.5	3.5	4.1
25	3.8	1.8	2.6	2.3	1.3	1.8	0.4	0.2	0.3	9.1	4.2	5.2
26	2.1	0.6	1.3	3.0	1.8	2.5	0.4	0.2	0.3	7.9	4.2	5.2
27	0.6	0.1	0.4	3.6	2.4	3.1	1.0	0.3	0.6	8.0	4.9	6.0
28	0.1	0.1	0.1	5.1	3.1	4.1	1.5	0.6	0.9	7.3	4.9	6.3
29	0.1	0.0	0.1	6.6	4.0	5.0	1.5	0.7	1.0	---	---	---
30	0.0	0.0	0.0	7.1	4.8	6.2	2.0	0.7	1.1	---	---	---
31	0.1	0.0	0.0	---	---	---	2.2	0.6	1.5	---	---	---
MONTH	9.8	0.0	2.3	7.1	0.0	0.9	8.0	0.0	0.9	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	0.0	0.0	0.0	---	---	---	7.2	5.8	6.6
2	---	---	---	0.0	0.0	0.0	---	---	---	7.9	6.3	7.1
3	---	---	---	0.1	0.0	0.1	---	---	---	7.6	6.0	7.0
4	---	---	---	0.5	0.1	0.3	---	---	---	9.0	5.8	7.6
5	---	---	---	0.4	0.2	0.3	---	---	---	9.3	7.9	8.6
6	---	---	---	0.6	0.2	0.3	---	---	---	9.0	8.5	8.7
7	---	---	---	0.5	0.3	0.4	---	---	---	8.9	8.1	8.6
8	1.9	1.1	1.4	0.4	0.2	0.3	---	---	---	9.4	7.2	8.3
9	1.4	0.7	1.0	0.5	0.2	0.4	---	---	---	9.4	8.1	8.8
10	1.8	0.7	1.1	0.6	0.3	0.5	---	---	---	9.0	7.5	8.4
11	1.0	0.4	0.7	0.8	0.4	0.6	---	---	---	8.9	6.8	7.8
12	1.0	0.4	0.7	0.9	0.6	0.7	---	---	---	6.8	5.2	6.0
13	0.9	0.4	0.6	0.9	0.7	0.8	---	---	---	8.9	6.0	7.1
14	1.1	0.4	0.8	0.9	0.5	0.7	---	---	---	8.4	6.9	7.8
15	1.5	0.6	1.1	0.7	0.3	0.5	---	---	---	8.5	6.7	7.8
16	1.0	0.3	0.7	0.4	0.2	0.2	5.0	3.5	4.3	9.0	6.4	8.0
17	0.6	0.2	0.3	0.4	0.2	0.3	5.3	4.7	5.1	8.7	7.0	8.0
18	0.4	0.2	0.3	0.5	0.2	0.3	5.3	4.3	4.9	8.0	5.8	7.0
19	0.7	0.2	0.4	0.8	0.3	0.5	6.1	4.5	5.3	7.5	6.0	6.8
20	0.6	0.3	0.4	0.7	0.4	0.5	6.0	4.9	5.5	7.1	5.8	6.5
21	0.8	0.2	0.4	---	---	---	6.1	4.2	5.1	7.7	5.5	6.2
22	0.3	0.0	0.1	---	---	---	6.0	3.9	4.8	7.8	5.3	6.1
23	0.0	0.0	0.0	---	---	---	6.0	3.8	4.8	7.4	5.5	6.3
24	0.0	0.0	0.0	---	---	---	7.4	5.9	6.5	8.4	6.1	7.1
25	0.0	0.0	0.0	---	---	---	7.2	5.3	6.7	8.4	6.6	7.7
26	0.0	0.0	0.0	---	---	---	6.5	3.7	5.0	9.6	7.2	8.0
27	0.0	0.0	0.0	---	---	---	6.1	4.3	5.2	8.6	7.4	8.0
28	0.0	0.0	0.0	---	---	---	6.5	5.2	5.8	10.2	7.2	8.5
29	---	---	---	---	---	---	6.6	5.3	6.1	9.4	7.3	8.6
30	---	---	---	---	---	---	6.7	5.6	6.2	9.6	7.0	8.8
31	---	---	---	---	---	---	---	---	---	9.9	8.6	9.3
MONTH	---	---	---	---	---	---	---	---	---	10.2	5.2	7.6

CALCASIEU RIVER BASIN

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.7	8.1	9.6	3.3	1.8	2.5	5.6	2.8	4.0	17.0	10.1	13.6
2	11.2	7.5	9.5	3.6	1.6	2.3	6.5	3.2	4.1	15.3	7.0	10.5
3	10.9	9.9	10.4	3.2	1.8	2.3	6.0	3.4	4.2	12.5	7.3	9.2
4	10.9	9.2	10.1	2.5	1.6	2.2	5.4	3.0	4.0	9.9	6.6	8.3
5	10.8	8.7	9.8	2.0	1.5	1.7	6.1	3.8	4.5	10.3	6.1	8.1
6	11.4	9.3	10.2	3.0	1.7	2.4	8.3	4.0	5.2	11.7	6.1	8.1
7	11.4	8.7	9.8	2.5	2.0	2.2	7.2	3.7	5.2	11.3	6.3	8.8
8	10.5	8.1	9.0	2.6	1.9	2.2	6.9	4.1	4.9	12.0	6.9	8.8
9	11.1	7.8	9.3	2.6	1.8	2.2	10.3	4.3	6.9	11.6	7.5	10.0
10	11.0	9.0	10.2	2.7	1.9	2.3	11.4	6.0	8.5	10.4	7.6	9.2
11	12.0	9.4	11.0	2.6	1.6	2.2	12.0	5.3	7.9	11.5	6.5	9.2
12	12.0	10.7	11.6	2.3	1.6	2.0	11.5	5.3	9.0	11.9	6.2	8.2
13	12.6	10.2	11.4	2.4	1.7	2.0	12.0	6.7	8.7	6.5	4.2	5.1
14	11.8	10.0	11.2	4.6	1.9	2.8	13.5	6.0	8.3	4.3	2.5	3.4
15	10.8	5.4	8.6	3.7	2.6	3.2	17.6	7.2	10.3	3.4	2.0	2.5
16	5.4	2.2	3.7	5.5	3.3	4.5	15.8	8.9	12.2	3.7	2.1	2.8
17	2.6	1.6	2.0	4.2	2.9	3.5	14.8	9.1	12.1	4.4	2.4	3.2
18	2.2	1.3	1.7	3.3	2.0	2.6	15.0	7.2	10.4	4.2	2.6	3.2
19	2.0	1.3	1.6	2.6	1.8	2.1	12.4	6.1	9.6	6.0	2.6	3.8
20	2.0	1.2	1.5	2.7	1.2	1.8	11.7	6.3	9.4	5.4	2.7	4.0
21	1.7	0.8	1.1	2.8	1.1	1.6	12.0	4.3	9.2	7.8	3.0	4.9
22	1.6	0.8	1.2	---	---	---	11.7	4.6	9.6	5.1	2.2	3.6
23	1.6	0.5	0.8	---	---	---	13.1	6.2	10.3	2.4	1.3	1.9
24	1.3	0.7	1.1	---	---	---	12.9	6.3	10.2	2.5	1.4	1.9
25	1.3	0.7	1.0	---	---	---	13.3	7.4	10.9	3.3	1.5	2.2
26	1.2	0.7	1.0	---	---	---	16.0	9.0	12.7	4.3	1.5	2.3
27	1.1	0.5	0.7	---	---	---	16.6	9.5	13.2	3.6	2.0	2.6
28	0.9	0.4	0.6	---	---	---	15.8	9.6	12.3	4.3	2.3	2.8
29	1.4	0.7	1.0	7.5	4.1	5.5	16.3	8.1	11.5	5.4	2.7	3.3
30	3.9	1.4	2.4	7.6	3.2	4.9	17.7	7.6	11.3	6.9	3.4	4.8
31	---	---	---	6.2	3.0	4.1	18.9	11.1	14.3	---	---	---
MONTH	12.7	0.4	5.8	---	---	---	18.9	2.8	8.9	17.0	1.3	5.7

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	28.5	26.1	26.9	20.9	19.8	20.3	15.9	14.4	15.2	12.8	12.3	12.5
2	27.3	26.1	26.8	19.8	18.9	19.2	16.2	14.5	15.5	12.5	12.2	12.4
3	26.3	25.3	25.7	18.9	18.3	18.5	16.3	15.6	15.9	12.2	11.7	12.0
4	26.4	25.0	25.7	18.3	17.3	17.8	16.3	15.8	16.0	11.9	11.3	11.5
5	26.8	25.8	26.2	17.3	17.0	17.2	15.9	14.3	15.2	11.4	11.1	11.2
6	27.4	25.7	26.3	17.0	16.4	16.6	14.3	12.8	13.4	11.5	11.2	11.3
7	26.5	26.1	26.3	16.4	15.8	16.1	12.8	11.7	12.2	11.5	11.1	11.3
8	26.1	25.8	26.0	15.9	15.4	15.7	11.7	11.1	11.4	11.2	10.8	11.0
9	25.8	25.3	25.6	16.2	15.5	15.8	11.1	10.6	10.9	11.8	10.7	11.0
10	25.4	24.7	25.1	16.7	16.2	16.4	10.6	10.5	10.5	11.9	10.8	11.1
11	24.7	23.9	24.3	17.0	16.6	16.8	10.6	10.3	10.4	11.4	10.8	11.1
12	24.4	23.6	24.0	16.9	16.6	16.7	10.3	10.1	10.2	11.0	10.6	10.9
13	24.5	23.4	23.9	16.7	16.2	16.4	10.6	10.2	10.4	11.0	10.1	10.6
14	23.8	22.9	23.3	16.3	16.0	16.2	10.9	10.4	10.6	10.4	10.0	10.1
15	23.5	22.5	23.0	16.4	16.1	16.2	10.7	10.4	10.6	11.3	9.6	10.2
16	23.3	22.0	22.7	16.2	15.7	16.0	11.1	10.6	10.8	10.8	9.8	10.4
17	23.2	21.8	22.4	15.9	15.4	15.5	13.3	11.0	11.6	10.2	9.4	9.8
18	23.0	21.9	22.4	16.2	15.2	15.5	14.5	11.8	12.6	10.6	9.2	9.8
19	22.9	22.2	22.5	16.6	14.9	15.5	13.4	12.9	13.1	11.1	9.4	10.0
20	22.6	21.8	22.1	16.1	15.2	15.6	13.6	13.3	13.4	11.9	10.2	10.8
21	22.1	21.1	21.6	16.0	15.2	15.6	14.0	13.4	13.6	13.0	11.8	12.3
22	21.2	20.9	21.1	15.9	15.2	15.6	14.6	13.4	13.8	13.0	11.5	12.3
23	21.4	20.7	21.1	16.1	15.1	15.5	15.4	13.6	14.1	11.5	10.1	11.0
24	21.6	20.9	21.1	16.7	15.1	15.7	15.0	13.9	14.4	10.9	9.6	10.2
25	21.6	20.9	21.1	17.0	15.9	16.3	14.0	13.4	13.7	10.7	9.1	9.9
26	20.9	20.8	20.8	16.6	15.8	16.2	13.4	12.8	13.1	10.2	9.7	9.8
27	21.2	20.9	21.1	15.8	15.2	15.4	13.2	12.2	12.6	11.1	9.8	10.4
28	21.3	21.1	21.2	15.8	14.2	15.1	13.9	12.0	12.5	11.9	10.4	11.2
29	21.7	21.3	21.5	15.6	13.8	14.9	13.8	11.9	12.6	---	---	---
30	21.8	21.5	21.7	16.5	15.1	15.8	14.4	12.3	13.3	---	---	---
31	21.7	20.9	21.2	---	---	---	14.3	12.5	13.1	---	---	---
MONTH	28.5	20.7	23.4	20.9	13.8	16.3	16.3	10.1	12.8	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	11.8	11.6	11.7	---	---	---	25.8	24.6	25.1
2	---	---	---	12.0	11.5	11.8	---	---	---	26.9	24.5	25.4
3	---	---	---	12.0	11.8	11.9	---	---	---	27.4	25.3	26.2
4	---	---	---	11.9	11.6	11.8	---	---	---	26.8	25.9	26.1
5	---	---	---	12.1	11.7	11.8	---	---	---	26.5	25.5	26.1
6	---	---	---	12.5	12.0	12.3	---	---	---	26.5	25.5	26.1
7	---	---	---	14.8	12.4	13.0	---	---	---	26.9	25.6	26.2
8	11.1	9.8	10.4	14.6	13.1	13.7	---	---	---	26.8	25.6	26.2
9	9.9	9.7	9.8	16.2	13.7	14.6	---	---	---	27.0	26.3	26.6
10	9.8	9.3	9.5	16.6	14.6	15.4	---	---	---	27.0	26.2	26.7
11	10.2	9.2	9.6	17.2	15.1	16.1	---	---	---	26.9	26.3	26.6
12	13.5	9.4	10.4	17.4	15.8	16.5	---	---	---	26.4	25.8	26.1
13	11.9	10.0	10.8	17.2	16.2	16.6	---	---	---	27.1	25.7	26.3
14	13.4	10.9	11.9	19.1	16.0	16.8	---	---	---	27.4	26.1	26.6
15	13.8	12.1	12.8	19.6	16.4	17.6	---	---	---	28.1	26.5	27.0
16	14.0	12.2	13.0	17.8	17.3	17.6	21.9	21.1	21.6	28.0	26.6	27.2
17	14.4	13.7	14.1	19.3	17.6	18.2	23.4	20.9	21.8	27.9	27.0	27.3
18	14.7	13.9	14.1	18.5	18.2	18.3	24.5	21.5	22.6	28.5	26.8	27.4
19	14.2	13.7	13.9	18.8	17.9	18.4	23.4	22.0	22.9	29.1	27.1	27.9
20	14.1	13.8	13.9	19.1	18.3	18.7	23.1	21.9	22.5	29.1	27.5	28.2
21	14.6	14.0	14.3	---	---	---	23.1	21.6	22.2	28.4	27.3	27.7
22	15.4	14.6	15.1	---	---	---	22.3	21.7	22.0	28.4	26.9	27.6
23	15.3	15.1	15.2	---	---	---	22.4	21.4	21.9	28.3	26.6	27.4
24	15.4	15.1	15.3	---	---	---	22.8	22.0	22.4	28.7	26.7	27.7
25	15.1	14.2	14.7	---	---	---	23.7	22.4	22.9	28.3	27.0	27.6
26	14.2	13.2	13.8	---	---	---	23.9	22.2	22.9	28.9	27.3	27.8
27	13.2	12.2	12.7	---	---	---	24.6	22.2	23.3	28.1	27.0	27.6
28	12.2	11.8	12.0	---	---	---	25.7	23.5	24.3	28.6	26.0	27.3
29	---	---	---	---	---	---	26.2	23.8	24.8	29.1	26.5	27.8
30	---	---	---	---	---	---	26.2	24.1	24.9	29.2	27.3	28.0
31	---	---	---	---	---	---	---	---	---	29.2	27.7	28.4
MONTH	---	---	---	---	---	---	---	---	---	29.2	24.5	27.0

CALCASIEU RIVER BASIN

08017044 CALCASIEU RIVER AT I-10 AT LAKE CHARLES—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.6	27.8	29.0	30.0	28.1	28.9	31.2	29.5	30.3	29.8	28.2	29.0
2	29.8	28.7	29.2	31.4	28.5	29.5	31.3	30.1	30.6	30.3	29.4	29.8
3	30.1	28.5	29.2	31.2	28.5	29.4	31.6	30.0	30.8	30.7	29.5	30.2
4	29.3	28.0	28.5	29.9	28.9	29.4	32.1	30.4	31.2	30.7	29.9	30.3
5	28.3	27.8	28.1	29.4	28.5	28.9	32.0	30.6	31.2	30.4	29.2	29.8
6	29.6	27.6	28.2	30.1	28.2	29.0	31.8	30.8	31.2	30.1	28.4	29.2
7	30.7	27.9	28.9	30.4	28.7	29.3	32.1	30.8	31.4	30.3	28.1	29.0
8	29.9	28.3	29.0	29.5	28.8	29.2	33.1	30.3	31.8	29.7	28.5	29.1
9	30.8	28.5	29.5	30.0	28.6	29.1	32.7	30.7	31.5	30.6	29.4	29.8
10	30.6	29.3	29.8	29.6	28.9	29.2	33.0	31.2	31.9	30.4	29.4	29.9
11	29.9	29.1	29.5	29.2	28.6	28.9	32.4	29.2	30.6	29.7	28.6	29.3
12	30.2	28.7	29.2	30.4	28.3	29.1	30.2	29.2	29.8	28.9	27.5	28.3
13	29.8	28.0	28.8	30.8	28.7	29.6	30.6	28.5	29.5	28.1	27.1	27.4
14	28.9	28.1	28.4	30.2	29.4	29.8	31.0	28.6	29.5	27.5	26.5	27.0
15	28.3	26.5	27.7	29.9	28.7	29.1	31.1	29.2	30.1	27.4	26.1	26.8
16	26.9	25.7	26.1	30.8	28.9	29.5	33.1	29.8	30.6	27.7	26.2	27.0
17	26.8	25.4	25.8	30.4	28.9	29.4	31.6	30.4	30.8	28.2	26.2	27.2
18	26.5	25.1	25.8	30.6	28.9	29.6	32.0	30.0	30.7	28.7	27.0	27.4
19	28.4	25.5	26.5	29.9	29.0	29.3	32.2	30.5	31.0	29.0	27.2	27.7
20	28.4	25.9	26.8	30.0	28.9	29.4	32.3	31.0	31.4	27.9	27.1	27.6
21	27.9	25.8	26.6	29.6	28.9	29.2	32.0	29.9	31.1	27.7	26.0	26.9
22	30.1	26.4	27.4	31.1	29.2	29.6	31.6	29.9	30.9	26.7	26.0	26.4
23	29.0	26.9	27.7	---	---	---	31.5	30.4	31.1	26.6	25.6	26.0
24	30.2	27.9	28.7	---	---	---	32.3	30.1	31.1	26.9	25.4	26.1
25	29.7	28.2	28.8	---	---	---	31.9	31.1	31.4	26.8	25.7	26.2
26	29.4	28.3	28.8	---	---	---	31.8	30.6	31.3	27.1	25.6	26.2
27	29.1	28.4	28.6	---	---	---	31.0	30.0	30.8	27.0	25.6	26.3
28	29.2	28.0	28.6	---	---	---	31.2	30.1	30.7	26.9	25.8	26.3
29	30.8	28.5	29.2	31.2	30.2	30.5	31.3	29.8	30.5	26.6	24.7	25.6
30	29.6	28.3	28.9	31.1	30.1	30.7	30.6	29.4	29.9	26.3	23.9	25.3
31	---	---	---	30.9	30.1	30.4	30.4	27.9	28.9	---	---	---
MONTH	30.8	25.1	28.2	---	---	---	33.1	27.9	30.8	30.7	23.9	27.8

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA

LOCATION.--Lat 30°01'55", long 93°17'58", T. 12 S., R. 9 W., Calcasieu Parish, Hydrologic Unit 08080206, on a wellhead platform in the north end of Calcasieu Lake, 4.0 miles north, northeast of Hackberry.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1992 to September 1993, October 1997 to current year

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.49 ft, Sep. 12, 1998; minimum elevation, -2.00 ft, Jan. 17, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.60 ft, Oct. 29; minimum elevation, -2.00 ft, Jan. 17.

ELEVATION, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	2.13	1.30	1.79	0.91	-0.37	0.37	1.03	-0.74	0.11
2	2.25	1.29	1.89	2.36	1.49	1.89	1.17	0.08	0.77	1.37	-0.62	0.21
3	2.19	-0.33	1.29	2.91	1.91	2.44	1.89	0.11	1.06	0.68	-1.09	-0.30
4	2.41	0.98	1.85	2.25	1.08	1.76	1.92	0.50	1.17	1.00	-0.30	0.48
5	2.19	1.30	1.78	3.10	1.86	2.42	0.79	-0.77	0.01	1.10	-0.10	0.55
6	1.89	1.10	1.51	2.01	0.59	1.35	1.39	-0.19	0.54	0.90	-0.30	0.34
7	1.84	0.89	1.43	2.23	1.06	1.62	1.47	0.25	0.94	0.70	-0.10	0.25
8	1.90	0.83	1.41	2.64	1.48	1.98	1.45	0.23	0.79	0.70	0.00	0.29
9	2.42	1.17	1.88	2.66	1.60	2.14	1.21	0.10	0.80	1.00	0.30	0.61
10	2.47	1.14	1.87	2.66	1.63	2.12	1.10	0.40	0.81	1.00	-0.40	0.06
11	2.04	0.80	1.50	2.48	1.19	1.76	1.53	0.78	1.01	0.76	-0.20	0.34
12	2.12	0.85	1.55	1.50	0.33	0.92	1.95	1.28	1.56	0.80	0.07	0.49
13	1.83	0.15	1.08	1.46	0.65	1.04	1.63	-0.24	0.56	1.10	0.10	0.69
14	1.54	0.46	1.13	1.82	1.37	1.61	0.73	-0.70	-0.01	0.90	-0.30	0.34
15	1.73	0.58	1.23	2.03	0.34	1.33	1.03	0.21	0.71	1.10	-0.40	0.36
16	1.65	0.62	1.32	0.69	-0.43	0.19	1.24	0.20	0.82	1.30	-0.40	0.38
17	1.83	1.06	1.51	1.08	-0.01	0.51	1.68	0.30	1.00	-0.10	-2.00	-1.12
18	2.17	1.10	1.69	1.39	0.58	1.06	1.84	0.65	1.32	0.69	-0.60	0.17
19	2.44	1.22	1.81	1.00	-0.16	0.53	1.67	0.37	1.07	0.70	-0.70	0.11
20	1.82	1.22	1.54	1.03	-0.29	0.46	0.95	-0.63	0.22	1.10	-0.10	0.55
21	1.76	0.90	1.34	0.96	-0.37	0.41	1.39	0.20	0.82	1.10	0.00	0.60
22	1.74	0.66	1.35	0.90	-0.47	0.33	1.39	-0.10	0.68	0.80	-0.40	0.21
23	1.95	0.94	1.52	1.23	-0.04	0.60	2.03	0.42	1.03	-0.30	-1.29	-0.79
24	2.04	0.83	1.46	1.38	0.11	0.81	2.03	-0.50	0.60	0.60	-0.70	-0.02
25	2.27	1.36	1.88	1.32	0.08	0.79	0.20	-1.00	-0.56	0.69	0.00	0.36
26	2.15	0.90	1.60	1.21	-0.41	0.49	0.82	0.00	0.31	0.87	-0.45	0.30
27	2.40	1.61	2.02	0.56	-0.41	-0.08	0.82	0.26	0.56	1.40	-0.30	0.52
28	2.44	1.36	1.88	0.69	-0.07	0.32	0.91	-0.07	0.41	1.40	0.20	0.95
29	3.60	1.65	2.29	1.02	0.37	0.63	1.35	0.07	0.80	1.34	0.14	0.84
30	2.54	1.27	1.93	1.15	0.23	0.62	1.95	0.40	1.23	0.97	-0.54	0.30
31	2.02	1.35	1.70	---	---	---	2.19	0.24	0.98	1.00	-0.10	0.59
MONTH	---	---	---	3.10	-0.47	1.13	2.19	-1.00	0.72	1.40	-2.00	0.28

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA—Continued

ELEVATION, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.00	-0.10	0.54	1.40	0.36	1.09	1.02	0.32	0.73	2.01	0.81	1.54
2	1.20	0.10	0.78	---	---	---	1.01	0.27	0.70	1.77	0.65	1.29
3	1.40	0.47	0.99	---	---	---	1.27	0.27	0.91	1.68	0.58	1.20
4	1.00	-0.60	0.02	---	---	---	1.66	0.64	1.31	2.28	0.45	1.59
5	1.20	0.20	0.62	---	---	---	1.54	0.73	1.14	2.52	1.39	2.09
6	1.60	0.30	1.02	---	---	---	2.65	0.58	1.73	2.45	1.39	2.02
7	0.30	-0.50	-0.16	---	---	---	2.06	1.00	1.46	2.30	1.49	1.87
8	1.20	-0.10	0.47	---	---	---	1.02	0.23	0.64	2.53	1.05	1.90
9	1.81	0.60	1.21	---	---	---	0.23	-0.91	-0.23	2.40	1.51	2.02
10	1.11	0.12	0.61	---	---	---	0.89	-0.49	0.23	2.60	1.60	2.07
11	1.37	-0.10	0.66	---	---	---	0.94	-0.51	0.26	2.11	0.95	1.51
12	1.28	0.20	0.75	1.60	0.50	1.13	0.89	-0.25	0.45	1.11	0.21	0.73
13	1.38	0.00	0.75	1.55	0.28	0.92	0.86	-0.13	0.48	1.48	0.55	1.07
14	1.72	0.34	1.09	1.61	0.28	1.01	1.02	0.14	0.63	1.77	0.57	1.31
15	1.95	0.54	1.28	1.73	0.40	1.13	1.18	0.45	0.82	1.75	0.40	1.27
16	1.10	-0.30	0.21	1.83	0.63	1.27	1.72	0.56	1.27	1.94	0.34	1.47
17	0.60	-0.70	-0.07	1.92	0.90	1.52	1.43	0.32	1.01	2.29	0.31	1.40
18	1.00	0.10	0.64	2.05	1.21	1.62	1.37	0.14	0.91	1.38	-0.15	0.78
19	1.30	0.50	0.94	2.29	1.21	1.92	2.02	0.38	1.35	1.44	-0.03	0.83
20	1.07	0.39	0.77	2.18	0.87	1.61	1.66	0.49	1.18	1.08	-0.04	0.64
21	2.40	0.99	1.68	1.37	0.41	0.95	1.26	0.19	0.82	0.88	-0.40	0.38
22	2.10	0.00	0.74	1.17	0.13	0.79	1.52	0.04	0.83	0.98	-0.39	0.44
23	1.50	-0.40	0.72	1.14	-0.05	0.65	2.30	0.37	1.24	0.93	-0.03	0.52
24	1.20	0.10	0.69	1.30	0.01	0.78	2.42	1.40	1.99	1.24	0.28	0.78
25	1.20	-0.40	0.44	1.40	0.15	0.88	2.18	0.85	1.38	1.22	0.59	0.91
26	1.40	0.00	0.78	1.13	-0.14	0.64	1.31	0.16	0.74	1.30	0.25	0.95
27	1.20	0.10	0.78	1.82	0.24	1.08	1.45	0.62	1.03	0.88	-0.02	0.51
28	1.26	0.11	0.79	1.97	0.38	1.29	1.58	0.86	1.27	1.20	-0.02	0.77
29	---	---	---	0.38	-1.05	-0.25	1.63	0.86	1.37	1.05	0.01	0.69
30	---	---	---	0.17	-0.56	-0.13	1.80	1.14	1.57	1.13	0.01	0.76
31	---	---	---	0.81	-0.21	0.30	---	---	---	1.25	0.01	0.77
MONTH	2.40	-0.70	0.70	---	---	---	2.65	-0.91	0.97	2.60	-0.40	1.16
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.99	-0.21	0.53	1.73	0.88	1.38	1.16	0.15	0.77	2.73	1.54	2.17
2	1.58	-0.10	0.91	2.00	0.66	1.38	1.23	0.29	0.84	2.09	1.12	1.72
3	1.54	0.23	0.95	1.81	0.61	1.35	1.14	0.62	0.89	2.13	0.86	1.49
4	1.27	0.06	0.79	1.80	0.64	1.29	1.28	0.48	0.91	1.95	0.60	1.39
5	1.58	0.13	0.93	1.81	0.74	1.30	1.36	0.33	0.96	1.68	0.43	1.23
6	1.57	0.42	1.04	1.92	0.95	1.40	1.31	0.13	0.90	1.77	0.48	1.27
7	1.09	0.07	0.71	2.04	1.26	1.60	1.22	-0.48	0.56	1.97	0.48	1.36
8	0.98	0.21	0.64	1.75	0.74	1.40	0.91	-0.32	0.41	---	---	---
9	1.25	0.43	0.76	1.78	0.79	1.45	1.43	-0.27	0.85	---	---	---
10	1.56	0.57	1.20	1.91	0.38	1.34	1.43	0.02	0.91	---	---	---
11	1.85	0.51	1.36	1.84	0.32	1.25	1.37	0.06	0.78	2.13	1.28	1.63
12	1.90	0.05	1.33	1.69	0.32	1.20	1.57	0.02	0.97	2.58	1.33	2.11
13	2.05	-0.15	1.26	2.20	0.29	1.50	1.71	0.23	1.05	2.18	1.49	1.82
14	1.85	0.44	1.27	2.88	0.81	2.08	1.60	0.62	1.19	1.73	0.95	1.41
15	1.68	0.29	1.07	3.50	1.99	2.82	1.93	0.50	1.04	1.82	0.86	1.33
16	1.50	0.05	0.97	2.45	1.17	1.92	1.91	1.15	1.49	2.04	1.18	1.66
17	1.62	0.15	1.01	1.67	0.73	1.27	1.55	0.94	1.24	2.20	1.34	1.77
18	1.62	0.39	1.17	1.44	0.62	1.08	1.26	0.55	1.02	2.33	1.07	1.76
19	1.57	0.66	1.21	1.34	0.74	1.02	1.43	0.36	0.97	2.18	0.99	1.62
20	1.66	0.62	1.12	1.19	0.69	0.93	1.41	0.27	0.91	1.95	0.96	1.53
21	1.53	0.98	1.20	1.04	0.54	0.85	1.29	-0.14	0.72	2.78	1.49	2.23
22	1.57	0.85	1.17	1.29	0.19	0.88	1.30	0.14	0.83	2.36	0.81	1.66
23	1.39	0.71	1.13	1.29	-0.33	0.61	1.49	0.32	1.04	1.89	0.91	1.53
24	1.69	0.67	1.28	0.84	-0.21	0.45	1.55	0.37	1.13	2.19	1.04	1.75
25	1.81	0.65	1.36	1.24	-0.15	0.69	1.78	0.39	1.31	2.13	1.23	1.73
26	1.83	0.67	1.39	1.32	-0.10	0.79	1.79	0.64	1.38	2.28	1.32	1.86
27	1.76	0.42	1.24	1.20	-0.14	0.76	2.07	0.68	1.51	2.15	1.23	1.76
28	1.78	0.28	1.22	1.45	-0.03	0.90	1.79	0.88	1.45	1.80	0.52	1.32
29	1.91	0.51	1.38	1.49	0.07	0.96	1.92	0.96	1.54	2.03	0.98	1.53
30	2.38	0.85	1.80	1.38	0.26	0.94	2.77	1.15	1.86	2.13	0.95	1.63
31	---	---	---	1.25	0.04	0.81	3.45	2.40	2.83	---	---	---
MONTH	2.38	-0.21	1.11	3.50	-0.33	1.21	3.45	-0.48	1.11	---	---	---

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1992 to September 1993, July 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1992 to September 1993, July 1997 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: July 1992 to September 1993, July 1997 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 31-Nov. 4, Nov. 6-15, Nov. 27-Dec. 30, Jan. 5, Jan. 12-Feb. 20, Mar. 27-Apr. 15, May 24-25, 28-31, and June 3-23 when records good.

SALINITY: Records excellent except for Oct. 31-Nov. 4, Nov. 6-15, Nov. 27-Dec. 30, Jan. 5, Jan. 12-Feb. 20, Mar. 27-Apr. 15, May 24-25, 28-31, and June 3-23 when records good.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 48,400 microsiemens/cm, Sept. 8-9, 2000; minimum, 110 microsiemens/cm, Nov. 10, 2002.

SALINITY: Maximum, 23.7 ppt, Aug. 16, 2003; minimum, 0.1 ppt, many times.

WATER TEMPERATURE: Maximum, 33.3°C, Aug. 2, 1998; minimum, 4.5°C, Jan. 3, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 37,400 microsiemens/cm, Aug. 16; minimum, 110 microsiemens/cm, Nov. 10.

SALINITY: Maximum, 23.7 ppt, Aug. 16; minimum, 0.1 ppt, on several days.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 8; minimum, 8.2°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	486	214	324	20,100	18,400	19,300	14,400	6,730	9,480
2	25,000	21,900	22,800	352	240	273	22,300	18,400	20,400	11,200	6,260	8,640
3	32,700	24,800	28,300	539	213	308	22,600	20,400	21,400	9,040	4,970	7,800
4	30,300	26,700	27,900	791	390	571	21,400	10,200	16,200	12,000	4,970	9,820
5	27,400	25,200	26,300	1,930	553	1,040	14,700	5,650	8,330	11,700	9,210	10,300
6	25,600	23,300	25,100	577	228	378	8,600	1,970	4,690	10,500	8,580	9,740
7	25,400	16,400	22,600	615	172	249	4,860	1,710	2,940	11,100	5,880	9,740
8	21,100	16,000	18,300	215	182	197	3,160	1,580	2,060	10,100	6,680	8,950
9	20,500	17,700	19,000	220	146	184	5,030	1,350	3,270	10,000	8,940	9,490
10	20,000	15,800	17,700	245	110	186	6,390	1,830	4,510	9,730	5,570	7,550
11	18,100	12,700	14,600	303	120	183	5,490	2,460	3,800	10,900	5,820	9,390
12	16,300	12,300	14,000	582	156	243	6,400	3,290	4,020	19,300	10,900	16,600
13	17,100	10,500	13,300	813	377	577	11,300	3,230	7,270	21,400	15,700	19,600
14	16,100	10,700	14,000	836	228	380	5,660	2,350	3,550	20,200	14,400	18,800
15	17,400	12,600	15,300	1,190	385	814	4,620	2,700	3,730	18,800	14,800	17,600
16	17,500	14,800	16,300	4,980	925	2,700	4,800	3,350	4,360	21,100	17,000	18,900
17	17,600	16,200	16,900	4,700	1,950	3,300	4,950	3,390	4,310	21,100	9,250	14,800
18	17,600	16,300	16,800	4,060	1,960	2,930	5,940	4,470	5,000	21,700	17,700	20,400
19	18,900	16,500	17,300	4,450	2,820	4,000	6,010	4,250	5,330	21,400	20,600	20,900
20	18,900	16,600	18,100	4,230	2,490	3,590	7,060	4,120	5,450	22,000	20,400	21,300
21	18,000	16,400	17,100	8,420	3,340	7,050	6,070	2,820	4,320	21,500	17,800	20,200
22	17,400	16,000	16,600	13,200	4,890	10,500	10,400	4,110	7,590	21,600	18,500	19,800
23	19,300	14,700	16,900	16,500	9,190	12,500	9,250	6,830	7,620	22,300	17,700	19,700
24	18,200	16,000	16,700	17,300	11,600	14,100	15,800	7,210	10,800	24,100	17,700	21,900
25	17,200	14,800	16,200	17,500	13,200	14,800	8,920	6,110	7,580	26,000	22,100	24,200
26	16,200	11,900	13,800	19,100	13,100	16,700	12,700	4,970	10,200	26,900	23,700	26,000
27	14,000	8,530	12,200	20,800	14,600	18,500	13,100	10,200	11,700	29,300	26,200	27,900
28	13,100	4,740	8,090	22,200	16,100	20,100	12,900	8,960	11,500	28,600	26,400	27,500
29	8,720	2,170	4,690	20,700	18,900	19,500	11,800	8,210	10,000	28,700	26,400	27,400
30	10,400	472	2,030	19,900	17,700	18,800	11,100	8,800	10,100	27,800	22,900	25,700
31	777	257	465	---	---	---	15,500	9,820	12,900	26,900	22,800	25,100
MONTH	---	---	---	22,200	110	5,830	22,600	1,350	8,200	29,300	4,970	17,300

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	26,500	23,300	24,700	7,510	3,440	6,440	11,800	10,200	11,100	20,000	19,600	19,800
2	24,700	23,700	24,300	---	---	---	12,100	10,600	11,300	20,600	19,200	19,700
3	24,900	23,700	24,400	---	---	---	11,800	11,000	11,400	20,100	19,000	19,400
4	23,800	18,400	20,700	---	---	---	12,700	11,400	11,600	20,300	19,300	19,600
5	22,700	16,800	21,300	---	---	---	14,700	11,300	12,300	21,200	19,700	20,200
6	26,700	21,700	23,700	---	---	---	13,100	11,100	12,200	24,600	21,200	23,200
7	25,900	17,200	20,600	---	---	---	15,300	12,400	13,400	26,400	24,500	25,300
8	19,800	16,500	18,400	---	---	---	14,900	11,100	12,600	26,900	24,900	26,200
9	21,800	18,300	20,500	---	---	---	15,100	7,310	11,100	26,400	24,000	26,100
10	22,700	18,000	21,600	---	---	---	15,100	9,920	12,700	25,900	22,900	24,400
11	21,600	13,600	16,900	---	---	---	14,400	12,800	13,600	26,100	23,000	24,800
12	19,300	16,200	17,700	12,900	10,600	11,600	14,300	12,600	13,300	24,100	19,300	21,300
13	17,600	16,700	17,400	11,600	6,420	9,950	13,800	12,200	13,300	21,300	19,800	20,600
14	19,400	17,300	18,000	8,970	6,360	8,130	13,200	12,800	13,000	22,600	20,700	21,800
15	19,700	17,000	18,600	7,860	5,550	7,250	13,500	12,700	13,100	24,200	21,700	23,400
16	17,100	8,720	13,000	7,940	6,150	7,210	14,400	13,200	13,700	24,300	22,700	23,500
17	14,500	10,800	12,000	10,300	7,030	9,120	13,900	12,700	13,100	23,800	22,700	23,400
18	12,800	9,980	11,800	9,660	6,430	8,340	14,300	13,000	13,700	23,300	20,100	22,200
19	13,100	11,800	12,600	7,410	6,240	7,140	14,000	13,300	13,500	21,600	20,400	21,100
20	12,700	9,300	11,100	7,800	6,470	7,210	15,500	13,300	14,500	20,900	19,900	20,500
21	11,300	8,830	9,880	6,520	3,110	3,840	16,700	12,500	14,200	24,200	20,100	21,800
22	10,600	5,020	7,220	7,450	3,390	5,220	19,400	14,100	18,000	25,300	22,600	24,200
23	5,070	4,520	4,790	7,190	4,640	5,730	21,000	18,700	20,200	26,800	24,300	26,000
24	5,280	2,020	2,980	6,840	4,980	5,720	21,000	15,400	16,500	25,300	23,100	24,600
25	6,980	2,560	3,940	8,570	5,600	6,980	17,100	15,500	16,200	25,400	24,300	25,000
26	8,490	3,760	6,330	10,900	6,950	9,210	21,200	17,100	19,200	25,200	23,900	24,400
27	8,820	3,830	6,630	13,900	8,490	11,200	19,800	18,600	19,300	25,400	21,500	24,200
28	6,800	3,440	5,640	13,200	10,000	10,900	19,800	19,600	19,700	26,800	24,200	25,500
29	---	---	---	15,900	8,490	12,600	20,000	19,500	19,700	27,000	25,800	26,500
30	---	---	---	15,100	7,060	10,500	20,100	19,500	19,800	27,100	25,400	26,600
31	---	---	---	13,500	9,270	10,800	---	---	---	27,100	23,500	25,400
MONTH	26,700	2,020	14,900	---	---	---	21,200	7,310	14,600	27,100	19,000	23,200
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25,100	23,500	24,100	19,200	16,400	18,400	21,700	19,100	20,300	36,000	33,800	35,100
2	25,100	23,600	24,200	17,600	16,100	17,100	20,800	17,800	19,300	36,000	35,200	35,600
3	24,500	23,400	24,100	16,800	15,800	16,200	18,500	17,500	17,900	35,600	34,100	35,000
4	25,000	23,700	24,000	16,100	15,200	15,700	18,900	17,800	18,400	34,900	32,200	33,700
5	27,800	25,000	26,400	16,200	14,800	15,800	19,200	18,300	18,800	33,000	29,900	31,800
6	29,000	26,200	28,100	15,800	14,000	15,000	20,600	18,500	19,300	32,600	28,400	31,000
7	28,800	27,400	28,400	15,200	14,000	14,600	21,600	18,400	20,000	31,900	30,200	31,200
8	28,300	27,300	27,800	14,900	13,800	14,400	25,700	20,000	21,800	---	---	---
9	27,500	27,000	27,300	15,000	14,400	14,700	29,300	23,900	25,800	---	---	---
10	27,500	26,900	27,300	15,100	13,700	14,800	30,900	26,600	28,600	---	---	---
11	27,600	26,200	27,200	15,000	13,700	14,400	32,900	28,500	30,600	---	---	---
12	27,300	25,800	26,400	15,400	13,800	14,600	33,800	31,400	32,700	29,500	28,000	28,800
13	26,400	25,200	25,900	15,400	14,600	14,900	34,800	33,800	34,300	28,600	24,300	27,100
14	26,700	25,400	26,200	15,800	14,400	14,800	34,600	33,400	34,200	27,200	20,500	23,900
15	27,000	25,300	25,900	19,900	15,400	16,400	35,300	33,700	34,700	26,300	19,800	22,600
16	25,300	24,400	24,800	19,000	16,400	17,500	37,400	34,900	36,300	24,100	20,000	22,600
17	24,600	23,700	24,300	19,200	17,600	18,500	36,600	35,200	36,200	23,900	21,500	23,000
18	23,700	22,900	23,100	18,500	16,100	17,500	36,700	34,500	35,900	24,100	22,600	23,100
19	23,200	21,900	22,500	17,300	15,500	16,200	35,900	33,600	34,700	23,600	21,800	23,100
20	22,200	20,200	21,500	16,600	15,600	15,900	34,800	33,000	33,800	23,400	21,300	22,800
21	21,000	17,300	18,600	16,500	16,200	16,300	33,800	32,500	33,300	22,500	20,500	21,400
22	21,600	16,500	18,400	18,200	16,500	17,000	36,000	31,500	33,700	22,400	17,000	20,600
23	17,800	15,300	17,000	18,400	14,600	17,200	36,000	34,200	35,200	20,600	16,100	17,900
24	19,400	14,800	16,900	17,900	13,900	16,300	36,600	35,700	36,000	21,000	16,900	19,300
25	21,900	13,500	18,000	17,100	15,600	16,600	36,700	35,500	36,200	20,800	17,400	18,200
26	19,600	12,100	16,300	20,800	16,900	18,000	36,700	34,800	36,100	19,500	17,400	18,300
27	20,800	12,100	15,800	21,800	18,700	19,500	37,300	34,400	36,000	20,800	19,200	19,800
28	19,100	12,200	15,300	21,000	19,200	19,900	36,300	35,400	36,000	20,700	18,700	19,800
29	17,700	13,800	15,500	21,500	20,100	20,600	36,100	35,500	35,800	22,900	17,700	20,600
30	19,000	14,300	15,300	22,200	20,300	21,000	35,800	34,800	35,400	24,100	20,500	22,900
31	---	---	---	22,300	19,500	21,100	36,200	33,700	35,600	---	---	---
MONTH	29,000	12,100	22,600	22,300	13,700	16,800	37,400	17,500	30,400	---	---	---

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	0.2	0.1	0.2	12.0	10.9	11.4	8.3	3.7	5.3
2	15.2	13.2	13.7	0.2	0.1	0.1	13.4	10.9	12.2	6.3	3.4	4.8
3	20.4	15.0	17.4	0.3	0.1	0.2	13.6	12.1	12.8	5.0	2.7	4.3
4	18.8	16.3	17.1	0.4	0.2	0.3	12.9	5.8	9.5	6.8	2.7	5.5
5	16.8	15.3	16.1	1.0	0.3	0.5	8.6	3.0	4.6	6.6	5.1	5.8
6	15.6	14.1	15.3	0.3	0.1	0.2	4.8	1.0	2.5	6.0	4.8	5.5
7	15.5	9.6	13.6	0.3	0.1	0.1	2.6	0.9	1.5	6.3	3.2	5.5
8	12.6	9.3	10.8	0.1	0.1	0.1	1.6	0.8	1.1	5.7	3.6	5.0
9	12.2	10.4	11.3	0.1	0.1	0.1	2.7	0.7	1.7	5.6	5.0	5.3
10	11.9	9.2	10.4	0.1	0.1	0.1	3.5	0.9	2.4	5.5	3.0	4.2
11	10.7	7.3	8.4	0.2	0.1	0.1	3.0	1.3	2.0	6.2	3.1	5.3
12	9.5	7.0	8.1	0.3	0.1	0.1	3.5	1.7	2.1	11.5	6.2	9.7
13	10.1	6.0	7.7	0.4	0.2	0.3	6.4	1.7	4.0	12.9	9.1	11.7
14	9.4	6.1	8.1	0.4	0.1	0.2	3.1	1.2	1.9	12.0	8.3	11.2
15	10.2	7.2	8.9	0.6	0.2	0.4	2.5	1.4	2.0	11.1	8.6	10.4
16	10.3	8.6	9.5	2.7	0.5	1.4	2.6	1.7	2.3	12.6	10.0	11.2
17	10.4	9.4	9.9	2.5	1.0	1.7	2.6	1.8	2.3	12.6	5.2	8.6
18	10.4	9.5	9.9	2.1	1.0	1.5	3.2	2.4	2.7	13.0	10.4	12.2
19	11.2	9.7	10.2	2.4	1.5	2.1	3.3	2.3	2.9	12.9	12.3	12.5
20	11.2	9.7	10.7	2.2	1.3	1.9	3.9	2.2	2.9	13.2	12.1	12.8
21	10.6	9.6	10.1	4.7	1.7	3.9	3.3	1.5	2.3	12.9	10.5	12.1
22	10.2	9.3	9.8	7.6	2.6	6.0	5.9	2.2	4.2	13.0	10.9	11.8
23	11.5	8.6	9.9	9.7	5.1	7.2	5.2	3.7	4.2	13.4	10.4	11.7
24	10.7	9.3	9.8	10.2	6.6	8.2	9.2	4.0	6.1	14.6	10.4	13.2
25	10.1	8.6	9.5	10.3	7.6	8.6	5.0	3.3	4.2	15.9	13.3	14.7
26	9.4	6.8	7.9	11.4	7.5	9.8	7.3	2.7	5.8	16.4	14.4	15.8
27	8.1	4.7	7.0	12.4	8.5	11.0	7.5	5.8	6.7	18.1	16.0	17.1
28	7.5	2.5	4.5	13.3	9.4	12.0	7.4	5.0	6.6	17.6	16.1	16.9
29	4.9	1.1	2.5	12.4	11.2	11.6	6.7	4.5	5.6	17.7	16.1	16.8
30	5.9	0.2	1.1	11.8	10.4	11.2	6.3	4.9	5.7	17.1	13.8	15.7
31	0.4	0.1	0.2	---	---	---	9.0	5.5	7.4	16.4	13.7	15.3
MONTH	---	---	---	13.3	0.1	3.4	13.6	0.7	4.6	18.1	2.7	10.3
FEBRUARY			MARCH			APRIL			MAY			
1	16.2	14.1	15.0	4.1	1.8	3.5	6.7	5.8	6.3	11.9	11.7	11.8
2	15.0	14.4	14.7	---	---	---	6.9	6.0	6.4	12.3	11.4	11.7
3	15.1	14.4	14.8	---	---	---	6.7	6.2	6.5	12.0	11.3	11.5
4	14.4	10.9	12.4	---	---	---	7.3	6.5	6.6	12.1	11.5	11.7
5	13.7	9.9	12.7	---	---	---	8.6	6.4	7.1	12.7	11.7	12.0
6	16.3	13.0	14.3	---	---	---	7.5	6.3	7.0	14.9	12.7	14.0
7	15.8	10.1	12.3	---	---	---	8.9	7.1	7.7	16.1	14.8	15.4
8	11.8	9.7	10.9	---	---	---	8.7	6.3	7.2	16.4	15.1	16.0
9	13.1	10.8	12.3	---	---	---	8.8	4.0	6.3	16.1	14.5	15.9
10	13.7	10.6	13.0	---	---	---	8.8	5.6	7.3	15.8	13.8	14.8
11	13.0	7.8	9.9	---	---	---	8.3	7.4	7.8	15.9	13.9	15.1
12	11.5	9.4	10.4	7.4	6.0	6.6	8.3	7.2	7.7	14.6	11.5	12.8
13	10.4	9.8	10.2	6.6	3.5	5.6	7.9	7.0	7.7	12.8	11.8	12.3
14	11.5	10.2	10.6	5.0	3.5	4.5	7.6	7.4	7.5	13.6	12.4	13.1
15	11.7	10.0	11.0	4.3	3.0	4.0	7.8	7.3	7.5	14.7	13.0	14.1
16	10.1	4.9	7.5	4.4	3.3	4.0	8.3	7.6	7.9	14.7	13.7	14.2
17	8.4	6.1	6.8	5.8	3.9	5.1	8.0	7.3	7.5	14.4	13.7	14.2
18	7.4	5.6	6.7	5.4	3.5	4.6	8.3	7.5	7.9	14.1	12.0	13.3
19	7.5	6.7	7.2	4.1	3.4	3.9	8.1	7.6	7.8	13.0	12.1	12.7
20	7.3	5.2	6.3	4.3	3.5	4.0	9.0	7.6	8.4	12.5	11.8	12.2
21	6.4	4.9	5.6	3.6	1.6	2.0	9.8	7.2	8.2	14.7	12.0	13.1
22	6.0	2.7	4.0	4.1	1.8	2.8	11.5	8.1	10.6	15.4	13.6	14.7
23	2.7	2.4	2.6	3.9	2.5	3.1	12.6	11.1	12.1	16.4	14.7	15.9
24	2.8	1.0	1.6	3.7	2.7	3.1	12.6	9.0	9.6	15.4	13.9	14.9
25	3.8	1.3	2.1	4.8	3.0	3.8	10.1	9.0	9.4	15.5	14.7	15.2
26	4.7	2.0	3.4	6.2	3.8	5.2	12.7	10.1	11.4	15.3	14.5	14.8
27	4.9	2.0	3.6	8.0	4.7	6.4	11.8	11.0	11.5	15.5	12.9	14.7
28	3.7	1.8	3.0	7.6	5.6	6.2	11.8	11.7	11.7	16.4	14.7	15.6
29	---	---	---	9.3	4.7	7.2	11.9	11.6	11.7	16.5	15.8	16.2
30	---	---	---	8.8	3.9	5.9	12.0	11.6	11.8	16.6	15.5	16.2
31	---	---	---	7.8	5.2	6.1	---	---	---	16.6	14.2	15.5
MONTH	16.3	1.0	8.7	---	---	---	12.7	4.0	8.5	16.6	11.3	14.1

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15.3	14.2	14.6	11.4	9.6	10.9	13.0	11.4	12.1	22.7	21.2	22.1
2	15.3	14.3	14.7	10.4	9.4	10.1	12.4	10.5	11.4	22.7	22.1	22.4
3	14.8	14.2	14.6	9.9	9.2	9.5	10.9	10.3	10.6	22.4	21.4	22.0
4	15.2	14.4	14.6	9.4	8.9	9.2	11.2	10.5	10.8	21.9	20.1	21.1
5	17.1	15.2	16.1	9.4	8.6	9.2	11.4	10.8	11.1	20.6	18.5	19.8
6	17.9	16.0	17.3	9.2	8.1	8.7	12.3	10.9	11.5	20.4	17.5	19.2
7	17.7	16.8	17.5	8.9	8.1	8.5	13.0	10.9	11.9	19.9	18.7	19.4
8	17.4	16.7	17.1	8.7	7.9	8.4	15.7	11.9	13.1	---	---	---
9	16.9	16.5	16.7	8.7	8.3	8.6	18.1	14.5	15.8	---	---	---
10	16.9	16.4	16.7	8.8	7.9	8.6	19.2	16.3	17.6	---	---	---
11	16.9	16.0	16.7	8.7	7.9	8.4	20.6	17.5	19.0	---	---	---
12	16.7	15.8	16.2	9.0	7.9	8.5	21.2	19.5	20.4	18.2	17.2	17.8
13	16.1	15.3	15.8	9.0	8.5	8.7	21.9	21.2	21.5	17.6	14.7	16.6
14	16.3	15.5	16.0	9.2	8.3	8.6	21.8	20.9	21.5	16.6	12.2	14.5
15	16.5	15.4	15.8	11.8	9.0	9.6	22.2	21.1	21.8	16.1	11.8	13.6
16	15.4	14.8	15.1	11.3	9.6	10.3	23.7	21.9	22.9	14.6	11.9	13.6
17	14.9	14.4	14.7	11.4	10.4	10.9	23.1	22.1	22.8	14.5	12.9	13.8
18	14.4	13.8	14.0	10.9	9.4	10.3	23.2	21.7	22.6	14.6	13.6	14.0
19	14.0	13.2	13.6	10.2	9.0	9.4	22.6	21.0	21.8	14.3	13.1	13.9
20	13.3	12.0	12.9	9.7	9.1	9.3	21.9	20.6	21.2	14.2	12.8	13.7
21	12.6	10.2	11.0	9.7	9.4	9.5	21.2	20.3	20.8	13.5	12.2	12.8
22	13.0	9.7	10.9	10.7	9.7	10.0	22.7	19.6	21.1	13.5	10.0	12.3
23	10.5	8.9	10	10.9	8.5	10.1	22.7	21.5	22.1	12.3	9.4	10.6
24	11.5	8.6	9.9	10.5	8.0	9.5	23.1	22.5	22.7	12.6	9.9	11.5
25	13.2	7.8	10.6	10.1	9.1	9.7	23.2	22.3	22.8	12.4	10.2	10.7
26	11.7	6.9	9.6	12.4	9.9	10.6	23.2	21.9	22.7	11.6	10.2	10.8
27	12.4	6.9	9.2	13.1	11.1	11.6	23.6	21.6	22.7	12.4	11.4	11.8
28	11.4	7.0	8.9	12.6	11.4	11.8	22.9	22.3	22.7	12.4	11.1	11.8
29	10.4	7.9	9.0	12.9	12.0	12.3	22.8	22.3	22.5	13.8	10.4	12.3
30	11.3	8.3	8.9	13.3	12.1	12.6	22.5	21.9	22.3	14.6	12.2	13.8
31	---	---	---	13.4	11.6	12.6	22.8	21.1	22.4	---	---	---
MONTH	17.9	6.9	13.6	13.4	7.9	9.9	23.7	10.3	18.9	---	---	---

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	21.2	19.6	20.4	15.6	13.7	14.3	14.5	13.0	13.8
2	27.5	27.1	27.3	19.6	19.0	19.3	15.8	13.2	14.3	14.1	11.6	12.8
3	27.1	25.8	26.3	19.5	18.6	19.1	16.4	15.6	16.0	12.6	11.3	11.8
4	27.1	25.2	26.2	18.9	17.8	18.2	16.7	15.6	16.4	14.0	11.6	12.8
5	28.7	27.0	27.7	18.2	17.4	17.9	15.6	13.3	14.4	14.3	12.4	13.4
6	29.1	27.4	28.0	17.7	16.6	17.2	15.1	13.5	14.2	13.9	12.8	13.4
7	28.5	27.5	28.1	17.4	16.2	16.8	14.1	13.0	13.6	13.8	11.8	12.7
8	27.6	26.3	26.6	17.1	16.1	16.6	13.4	12.2	12.6	13.4	11.9	12.5
9	26.4	25.4	25.9	17.2	16.2	16.7	12.2	11.1	11.6	14.0	12.7	13.3
10	26.4	25.0	25.7	18.4	16.9	17.5	12.4	11.0	11.7	14.0	12.3	13.6
11	25.9	24.5	25.3	18.4	17.5	18.0	11.8	10.7	11.3	12.4	11.6	12.0
12	26.8	24.3	25.4	17.8	16.7	17.2	11.5	11.1	11.3	11.8	10.3	11.1
13	25.8	23.8	25.2	18.4	16.4	17.1	12.2	11.0	11.5	11.4	10.1	10.7
14	24.6	22.8	23.6	18.2	16.1	17.0	12.2	10.6	11.2	11.1	10.2	10.8
15	23.7	22.1	22.8	18.1	16.4	17.5	13.0	10.8	11.7	11.0	10.3	10.6
16	23.0	21.3	22.2	16.8	15.8	16.2	13.2	11.6	12.5	12.2	10.1	11.2
17	23.2	21.5	22.4	16.4	15.2	15.7	15.2	12.6	13.9	10.1	8.7	9.4
18	23.1	21.6	22.4	17.4	15.8	16.4	16.7	14.9	15.8	10.7	8.6	9.5
19	22.9	22.1	22.6	18.9	16.8	17.7	17.4	14.6	16.1	11.4	9.3	10.4
20	23.4	22.1	22.7	18.0	16.7	17.3	15.4	13.6	14.5	12.6	10.8	11.7
21	22.8	21.7	22.3	17.7	16.6	17.2	14.7	13.5	14.3	14.3	12.6	13.3
22	21.8	21.1	21.5	17.9	16.4	17.0	16.0	14.5	15.1	14.4	11.9	13.4
23	21.8	21.1	21.5	17.5	15.8	16.5	16.8	14.9	15.8	12.2	9.8	11.1
24	22.7	21.4	22.0	17.9	15.8	16.8	16.8	13.2	15.0	10.8	8.3	9.6
25	22.4	22.1	22.3	19.7	16.6	17.7	13.4	12.0	12.7	9.9	8.2	8.8
26	22.3	22.0	22.2	18.8	16.3	17.4	12.7	11.5	12.2	9.4	8.3	8.9
27	22.3	21.8	22.1	16.3	14.3	15.5	14.1	11.7	12.8	10.4	8.7	9.5
28	22.2	22.0	22.1	15.7	13.5	14.8	14.4	12.2	13.4	11.1	10.0	10.5
29	22.2	21.9	22.1	15.1	12.6	14.2	15.0	12.8	14.1	13.7	11.1	12.4
30	22.6	21.4	21.9	16.1	14.6	15.4	15.6	14.6	15.3	13.5	11.8	12.3
31	21.9	20.7	21.3	---	---	---	15.6	13.8	14.6	12.8	11.6	12.1
MONTH	---	---	---	21.2	12.6	17.1	17.4	10.6	13.7	14.5	8.2	11.6
FEBRUARY			MARCH			APRIL			MAY			
1	14.0	11.9	12.9	---	---	---	18.3	16.7	17.4	26.6	25.0	25.7
2	14.8	12.9	13.9	---	---	---	19.5	17.4	18.5	27.1	25.5	26.2
3	15.4	14.4	14.9	---	---	---	20.8	18.9	19.9	28.6	26.2	27.0
4	15.0	12.3	13.6	---	---	---	22.3	20.3	21.2	27.0	26.2	26.6
5	13.7	11.9	12.5	---	---	---	22.6	21.4	22.1	26.5	25.9	26.2
6	12.1	11.7	11.9	---	---	---	22.9	21.8	22.5	26.4	25.8	26.1
7	11.9	10.5	11.1	---	---	---	22.7	22.1	22.5	27.0	25.8	26.4
8	10.6	10.0	10.3	---	---	---	22.1	20.1	21.4	27.5	26.0	26.7
9	10.8	10.0	10.4	---	---	---	20.4	18.1	18.9	27.7	26.2	26.9
10	12.5	10.6	11.4	---	---	---	19.7	17.4	18.4	27.5	26.4	27.0
11	13.0	10.4	11.5	---	---	---	20.0	18.2	18.9	27.8	26.6	27.0
12	13.8	11.2	12.2	18.6	16.2	17.3	21.4	18.5	20.0	27.1	25.5	26.1
13	14.1	12.1	13.2	18.5	17.1	17.4	22.2	19.8	20.9	26.8	25.3	26.0
14	16.7	13.7	15.4	19.0	17.0	17.4	22.9	20.6	21.7	27.2	25.6	26.4
15	17.2	15.0	16.5	19.4	17.1	18.2	23.3	21.2	22.3	27.8	26.4	27.1
16	15.1	12.2	13.4	19.0	17.7	18.1	22.8	22.0	22.4	27.9	26.4	27.2
17	13.6	11.4	12.2	19.8	17.8	18.5	24.2	22.1	23.0	27.7	26.8	27.1
18	14.7	12.6	13.4	19.8	18.3	19.3	25.2	23.3	24.1	28.3	26.0	27.0
19	15.6	13.7	14.6	19.4	17.9	18.7	24.5	23.7	23.9	29.3	27.0	27.9
20	15.6	14.6	15.0	20.1	18.6	19.2	23.7	23.0	23.4	29.1	27.6	28.4
21	17.0	15.1	16.0	19.8	17.8	18.7	24.6	22.2	23.0	28.6	26.6	27.4
22	16.7	14.5	15.5	19.3	18.2	18.7	23.4	21.8	22.3	28.0	26.0	27.0
23	16.4	14.5	15.4	20.5	18.1	18.9	22.8	21.4	22.1	27.7	25.7	26.7
24	16.3	15.1	15.5	20.6	18.5	19.6	23.0	22.2	22.5	27.7	25.7	26.8
25	15.1	14.1	14.5	20.9	19.1	20.1	24.5	22.8	23.4	27.3	26.5	26.9
26	14.3	13.4	13.9	20.8	19.3	19.7	24.8	22.4	23.4	28.0	26.6	27.2
27	14.1	13.0	13.5	21.0	19.0	20.1	25.3	22.6	23.9	27.8	26.4	27.2
28	---	---	---	21.9	19.2	20.5	25.5	23.9	24.6	28.2	25.5	26.6
29	---	---	---	19.2	16.7	17.5	25.6	23.9	24.8	27.6	26.2	26.9
30	---	---	---	17.6	15.6	16.5	26.3	24.4	25.3	28.2	26.2	27.3
31	---	---	---	17.6	15.5	16.6	---	---	---	28.4	26.8	27.5
MONTH	---	---	---	---	---	---	26.3	16.7	22.0	29.3	25.0	26.9

CALCASIEU RIVER BASIN

08017095 NORTH CALCASIEU LAKE NEAR HACKBERRY, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.6	27.0	28.1	30.2	28.6	29.3	31.8	29.8	30.6	28.6	27.5	28.0
2	29.1	27.9	28.6	30.6	29.2	29.8	31.9	29.9	30.6	30.0	27.9	28.8
3	29.6	28.2	28.8	29.9	29.4	29.7	31.1	29.8	30.3	31.5	29.3	30.2
4	28.6	27.5	27.7	30.2	28.8	29.4	31.3	29.5	30.3	30.5	29.6	30.0
5	27.6	27.0	27.3	29.5	28.7	29.0	30.9	29.8	30.4	30.2	28.6	29.4
6	29.5	26.9	27.7	29.9	28.4	29.1	32.0	29.8	30.7	29.5	27.1	28.3
7	29.9	27.3	28.3	29.5	28.8	29.2	32.7	30.0	31.2	29.6	27.1	28.1
8	30.8	28.4	29.5	30.7	28.7	29.5	33.0	31.0	31.9	---	---	---
9	31.6	30.2	30.8	30.8	29.3	29.9	32.6	30.4	31.3	---	---	---
10	31.0	29.6	30.1	30.4	29.6	29.9	32.3	30.7	31.4	---	---	---
11	30.0	29.2	29.6	30.4	29.2	29.7	31.6	29.5	30.4	---	---	---
12	29.8	28.6	29.2	31.2	29.4	30.1	30.0	28.1	29.2	27.9	26.6	27.3
13	29.5	27.7	28.5	31.4	29.8	30.3	29.7	28.5	29.0	28.7	26.4	27.3
14	28.7	27.6	28.1	31.1	29.2	30.2	30.4	28.3	29.4	28.9	27.5	28.1
15	28.0	27.6	27.7	29.3	28.7	29.0	30.6	29.1	29.8	29.6	27.4	28.3
16	28.3	27.3	27.7	30.7	28.4	29.3	31.2	29.2	30.0	28.9	27.0	28.0
17	29.1	27.7	28.2	31.4	29.2	30.1	31.4	29.6	30.3	29.3	26.8	27.8
18	29.7	28.1	28.8	31.7	29.8	30.6	31.3	29.1	30.0	28.4	26.9	27.7
19	30.7	29.2	29.6	31.7	30.2	31.0	32.0	30.0	30.9	29.2	27.3	28.1
20	30.7	29.4	30.0	31.8	29.8	30.8	32.0	30.6	31.3	28.6	27.5	27.9
21	30.8	28.6	29.5	31.7	30.1	30.8	31.4	29.8	30.8	27.6	25.9	26.5
22	32.0	29.6	30.5	31.0	29.6	30.3	31.5	28.5	29.8	27.7	25.2	26.4
23	32.5	30.5	31.4	31.1	29.2	30.0	31.3	29.9	30.5	28.4	25.6	26.9
24	32.3	31.0	31.6	30.6	29.2	29.9	31.7	29.5	30.3	27.9	26.8	27.1
25	31.8	30.5	31.3	31.0	29.4	30.1	31.4	29.7	30.5	28.0	26.9	27.5
26	31.7	30.2	30.7	31.9	29.8	30.4	31.0	30.3	30.6	27.7	27.1	27.3
27	30.9	30.0	30.6	31.2	29.9	30.5	30.7	29.9	30.2	28.2	26.7	27.4
28	30.8	29.2	29.8	32.2	30.2	30.8	31.2	29.6	30.3	27.8	26.0	27.0
29	30.7	29.3	29.9	31.2	30.3	30.8	30.6	29.8	30.2	26.2	24.3	25.4
30	30.0	29.0	29.4	31.5	29.9	30.6	30.0	28.6	29.1	25.1	23.0	24.1
31	---	---	---	31.4	30.0	30.6	28.6	27.9	28.2	---	---	---
MONTH	32.5	26.9	29.3	32.2	28.4	30.0	33.0	27.9	30.3	---	---	---

08017118 CALCASIEU RIVER AT CAMERON, LA

LOCATION.--Lat 29°48'55", long 93°21'01", T. 14 S., R. 10 W., Cameron Parish, Hydrologic Unit 08080206, on a channel marker 0.3 miles north of the Cameron ferry located on State Highway 82.

DRAINAGE AREA.--Indeterminate.

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.14 ft, Sep. 11, 1998; minimum elevation, -3.00 ft, Dec. 29, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.27 ft, Aug. 31; minimum elevation, -2.75 ft, Jan. 17.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	2.03	0.73	1.53	0.76	-0.60	0.21	0.89	-1.61	-0.22
2	---	---	---	2.07	1.09	1.59	0.84	-0.50	0.39	0.94	-2.13	-0.35
3	---	---	---	2.31	1.26	1.89	1.36	-0.65	0.60	0.44	-1.91	-0.58
4	---	---	---	2.09	0.29	1.41	1.46	-0.25	0.68	0.68	-1.20	0.01
5	---	---	---	2.34	0.73	1.66	0.50	-1.45	-0.13	0.78	-0.94	0.13
6	---	---	---	1.34	-0.73	0.62	0.83	-1.23	0.16	0.68	-0.82	0.12
7	---	---	---	1.60	-0.15	1.01	1.15	-0.59	0.43	0.50	-0.72	0.09
8	---	---	---	1.97	0.29	1.27	1.03	-0.52	0.43	0.29	-0.55	-0.09
9	2.52	0.76	1.81	1.94	0.35	1.32	1.17	-0.30	0.57	0.61	-0.21	0.14
10	2.51	0.61	1.73	2.05	0.68	1.43	0.99	-0.15	0.54	0.47	-0.44	-0.06
11	2.02	0.39	1.38	1.93	0.55	1.29	1.30	0.34	0.80	1.03	-0.50	0.40
12	2.16	0.50	1.46	1.49	-0.03	0.75	1.77	0.85	1.22	0.98	-0.02	0.64
13	1.90	0.42	1.19	1.19	0.04	0.71	1.28	-1.18	-0.15	0.98	0.05	0.61
14	1.73	0.63	1.36	1.40	0.61	1.10	0.45	-1.22	-0.30	0.73	-0.82	0.12
15	1.94	0.42	1.27	1.40	0.10	0.90	0.67	-0.43	0.28	0.92	-0.95	0.11
16	1.62	0.78	1.32	0.84	-0.38	0.11	0.69	-0.45	0.29	0.97	-0.93	0.10
17	1.83	0.71	1.44	0.94	-0.81	0.13	1.34	-0.62	0.48	0.09	-2.75	-1.12
18	1.96	1.38	1.66	0.95	-0.07	0.55	1.34	-0.29	0.74	0.50	-1.06	-0.04
19	2.28	1.18	1.74	0.72	-0.86	0.04	1.25	-0.25	0.57	0.62	-1.47	-0.19
20	---	---	---	0.59	-0.89	0.08	0.53	-1.21	-0.26	0.83	-1.16	-0.02
21	---	---	---	0.64	-1.10	0.01	0.96	-0.57	0.37	0.76	-0.89	0.19
22	---	---	---	0.66	-1.04	0.05	1.13	-0.77	0.23	0.75	-0.76	0.18
23	---	---	---	0.88	-0.62	0.28	1.41	-0.50	0.58	0.06	-1.23	-0.38
24	---	---	---	1.00	-0.59	0.41	1.53	-0.89	0.18	0.47	-0.56	0.17
25	---	---	---	0.99	-0.52	0.41	-0.09	-1.18	-0.67	0.61	-0.04	0.33
26	---	---	---	0.99	-0.72	0.37	0.53	-0.18	0.23	1.01	-0.54	0.41
27	---	---	---	0.64	-0.44	0.10	0.56	-0.27	0.27	1.30	-0.63	0.48
28	---	---	---	0.67	-0.55	0.28	0.49	-0.61	0.02	1.23	-0.19	0.70
29	2.22	0.61	1.49	0.71	-0.32	0.25	0.97	-0.62	0.31	1.05	-0.48	0.54
30	2.25	0.52	1.47	0.68	-0.22	0.28	1.86	-0.36	0.77	1.02	-1.02	0.23
31	1.86	0.74	1.46	---	---	---	2.16	-0.66	0.24	1.04	-0.76	0.42
MONTH	---	---	---	2.34	-1.10	0.73	2.16	-1.45	0.33	1.30	-2.75	0.10

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.93	-0.79	0.36	1.54	0.08	0.97	0.97	0.09	0.52	1.99	0.45	1.44
2	0.98	-0.56	0.46	2.03	0.43	1.37	0.94	-0.02	0.59	1.67	0.33	1.18
3	1.29	-0.19	0.74	1.61	0.99	1.42	1.15	0.32	0.81	1.66	-0.17	1.06
4	0.75	-0.68	0.07	1.64	0.80	1.28	1.50	0.53	1.18	1.81	-0.09	1.31
5	1.48	0.36	0.86	1.49	0.45	1.07	1.52	0.31	1.11	2.35	0.90	1.83
6	1.62	-0.09	1.02	1.36	0.25	0.97	1.94	0.31	1.48	2.26	1.05	1.77
7	0.50	-0.42	0.14	1.45	0.40	1.08	1.79	0.62	1.32	2.17	1.07	1.69
8	1.24	-0.16	0.62	1.53	0.10	0.91	1.52	-0.13	0.92	2.20	0.84	1.70
9	1.72	0.68	1.21	1.46	0.11	0.94	0.61	-1.22	-0.01	2.17	1.16	1.78
10	0.95	0.14	0.57	1.64	0.25	1.11	0.85	-0.58	0.28	2.20	1.27	1.78
11	1.31	-0.44	0.60	---	---	---	0.92	-0.71	0.28	1.99	0.67	1.34
12	1.04	-0.01	0.63	---	---	---	0.85	-0.51	0.40	1.35	0.47	0.90
13	1.29	-0.16	0.69	1.84	-0.03	0.70	0.85	-0.34	0.42	1.39	0.29	0.98
14	1.70	-0.27	0.83	---	---	---	1.05	-0.18	0.54	1.67	0.05	1.05
15	1.71	0.02	1.06	1.65	0.04	1.08	1.09	0.08	0.65	1.59	-0.22	1.03
16	1.47	-0.85	0.21	---	---	---	1.45	-0.09	0.95	1.79	0.10	1.21
17	0.68	-1.25	-0.04	---	---	---	1.48	-0.50	0.80	1.95	-0.79	1.06
18	0.99	-0.33	0.55	---	---	---	1.29	-0.31	0.78	1.31	-0.79	0.71
19	1.39	0.16	0.80	---	---	---	2.04	-0.23	1.16	1.34	-0.60	0.77
20	1.12	0.17	0.73	---	---	---	1.67	-0.10	1.08	1.20	-0.45	0.70
21	2.12	0.56	1.39	---	---	---	1.34	-0.34	0.90	1.16	-0.62	0.60
22	2.12	-0.67	0.41	---	---	---	1.49	-0.22	0.93	1.17	-0.30	0.67
23	1.45	-0.82	0.65	---	---	---	2.00	0.35	1.33	1.08	0.03	0.68
24	1.18	-0.02	0.82	---	---	---	2.21	1.02	1.75	1.31	0.30	0.83
25	1.38	-0.16	0.72	---	---	---	1.95	0.65	1.17	1.12	0.55	0.87
26	1.51	-0.16	0.93	---	---	---	1.30	0.21	0.82	1.25	0.18	0.87
27	1.48	-0.22	0.82	1.69	1.00	1.49	1.42	0.56	1.08	1.10	-0.10	0.72
28	1.36	-0.08	0.78	1.75	0.57	1.19	1.60	0.67	1.23	1.37	-0.03	0.86
29	---	---	---	0.73	-0.86	0.18	1.72	0.94	1.39	1.14	-0.34	0.63
30	---	---	---	0.50	-0.88	0.03	1.84	0.76	1.51	1.14	-0.36	0.63
31	---	---	---	0.63	-0.26	0.26	---	---	---	1.09	-0.62	0.56
MONTH	2.12	-1.25	0.67	---	---	---	2.21	-1.22	0.91	2.35	-0.79	1.07
	JUNE			JULY			AUGUST			SEPTEMBER		
1	0.98	-0.49	0.45	1.74	0.40	1.30	0.28	-1.03	-0.05	2.58	0.98	1.91
2	1.22	-0.37	0.74	1.79	0.27	1.30	0.41	-0.70	-0.05	2.11	0.79	1.62
3	1.45	-0.23	0.85	1.79	0.27	1.29	0.35	-0.56	-0.07	2.06		

08017118 CALCASIEU RIVER AT CAMERON, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1997 to current year.

SALINITY: October 2002 to September 2003.

WATER TEMPERATURE: May 1997 to current year.

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

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for Oct. 9-28, Nov. 6-13, 16, Jan. 3-6, 11, Feb. 16-26, Mar. 1-28, Mar. 31-Apr. 6, Apr. 8-May 3, and May 30-Sept. 17 when records good; May 4-22 when records fair; and May 23-29 when records poor.

SALINITY: Records excellent except for Oct. 9-28, Mar. 1-27, Apr. 8-May 3, and May 30-Sept. 17 when records good; May 4-22 when records fair; and May 23-29 when records poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 55,800 microsiemens/cm, Sept. 7, 2000; minimum, 611 microsiemens/cm, Nov. 11, 2002.

SALINITY: Maximum, 31.9 ppt, Aug. 9, 2003; minimum, 0.3 ppt, Nov. 11, 2002.

WATER TEMPERATURE: Maximum, 33.8°C, Sept. 14, 1998; minimum, 2.5°C, Jan. 3, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 48,900 microsiemens/cm, Aug. 9; minimum, 611 microsiemens/cm, Nov. 11.

SALINITY: Maximum, 31.9 ppt, Aug. 9; minimum, 0.3 ppt, Nov. 11.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 10; minimum, 6.0°C, Jan. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	11,200	3,620	6,150	43,100	17,300	29,000	41,000	13,900	24,800
2	---	---	---	10,900	2,290	5,150	43,200	21,300	35,200	41,000	14,800	25,600
3	---	---	---	25,600	2,610	10,200	41,700	22,300	33,200	39,900	13,000	22,500
4	---	---	---	24,800	2,350	6,850	38,200	20,100	27,000	40,300	15,900	31,000
5	---	---	---	26,000	2,610	7,900	27,600	16,400	19,800	39,400	18,100	29,500
6	---	---	---	13,200	1,600	3,880	37,900	13,800	21,200	39,300	15,700	25,000
7	---	---	---	8,680	1,440	3,220	37,700	12,300	20,800	35,300	14,400	21,500
8	---	---	---	10,800	1,640	3,320	32,100	9,500	16,200	33,400	15,400	20,200
9	38,000	26,100	32,800	10,700	1,540	3,090	32,100	7,320	14,500	33,300	19,200	26,300
10	37,300	24,600	29,500	12,300	1,300	2,960	31,200	6,440	11,300	35,300	14,900	19,700
11	35,100	22,400	25,600	12,300	611	2,410	30,800	7,650	13,100	37,800	13,000	25,900
12	36,600	21,400	27,800	1,540	860	1,200	31,800	10,600	21,100	32,600	15,200	22,200
13	34,800	19,700	25,200	16,100	885	2,220	13,200	5,470	8,090	35,900	13,300	23,200
14	33,500	16,700	25,000	26,700	3,330	11,300	35,700	5,460	16,800	38,100	12,700	22,000
15	36,300	17,900	23,200	21,500	1,070	5,910	35,500	8,990	20,500	41,800	14,700	26,700
16	35,700	17,900	27,000	4,640	828	2,140	33,600	7,390	19,500	42,000	19,300	27,600
17	36,300	19,700	26,900	34,700	1,500	12,900	36,400	9,030	22,900	41,400	17,600	26,100
18	38,100	20,800	29,700	31,400	8,340	19,100	38,100	13,200	26,900	41,600	26,200	37,100
19	38,600	22,200	30,600	29,800	3,960	13,000	37,500	12,800	23,300	42,800	25,200	35,300
20	---	---	---	37,900	4,040	16,200	38,700	9,660	19,000	42,300	30,100	38,000
21	---	---	---	40,100	6,680	19,800	40,600	14,200	29,900	41,100	34,000	38,800
22	---	---	---	40,100	7,370	24,600	40,600	10,400	24,700	41,100	25,800	33,500
23	---	---	---	41,300	9,140	25,800	37,200	14,700	27,000	35,500	21,000	25,600
24	---	---	---	41,600	9,970	25,900	37,200	11,800	23,100	42,800	26,300	35,100
25	---	---	---	41,500	9,460	25,200	38,000	9,980	15,900	42,700	27,800	34,400
26	---	---	---	40,400	12,600	22,400	38,400	18,500	29,100	42,600	25,800	34,800
27	---	---	---	32,300	11,800	17,000	36,000	13,900	21,900	42,000	25,000	34,300
28	---	---	---	36,400	14,100	23,400	30,600	11,700	19,500	41,200	28,900	36,400
29	28,600	10,800	15,400	40,900	19,000	28,700	38,900	13,500	28,000	39,100	29,700	35,600
30	20,700	6,830	11,000	38,100	19,500	26,100	39,400	18,400	31,900	37,300	27,300	31,900
31	11,900	5,220	7,460	---	---	---	36,100	15,200	25,200	35,800	28,600	33,000
MONTH	---	---	---	41,600	611	12,600	43,200	5,460	22,400	42,800	12,700	29,100

08017118 CALCASIEU RIVER AT CAMERON, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	37,300	28,100	32,900	32,300	9,380	16,800	41,100	23,600	34,300	35,300	28,500	33,100
2	39,300	29,000	35,100	36,700	9,640	20,900	39,800	20,300	30,600	33,500	27,500	31,100
3	38,900	33,100	36,300	23,600	10,800	16,000	38,600	20,000	32,500	32,400	27,500	30,500
4	39,400	26,300	32,000	25,600	11,100	15,200	39,800	24,100	35,400	32,200	27,100	30,800
5	39,800	31,900	37,900	21,400	7,760	11,600	30,800	21,000	27,100	30,600	27,600	28,700
6	39,900	29,000	36,000	23,600	9,430	14,600	26,800	21,700	25,000	27,600	24,800	25,800
7	29,000	25,400	26,400	26,600	10,300	18,400	26,900	21,500	24,300	25,900	21,200	23,400
8	41,200	23,500	32,100	23,400	9,310	13,800	21,800	19,800	20,500	24,800	18,000	21,000
9	42,300	26,100	34,700	27,800	9,380	18,100	33,500	18,400	22,800	22,200	17,500	19,700
10	29,200	26,200	27,300	28,800	10,300	20,600	37,900	16,800	27,600	24,400	19,600	22,000
11	42,200	23,700	32,900	---	---	---	39,300	18,500	29,400	27,300	21,900	24,300
12	42,100	25,400	31,900	25,700	14,800	22,800	39,500	20,500	31,800	31,200	23,500	25,700
13	37,600	24,500	31,400	21,900	13,600	16,300	39,200	21,900	31,300	34,800	26,000	29,600
14	37,500	27,900	33,400	---	---	---	38,800	23,700	32,100	38,000	28,000	34,000
15	35,900	29,500	33,100	22,300	11,500	17,300	39,300	27,100	32,900	37,000	28,000	34,400
16	32,000	22,100	25,100	---	---	---	38,700	28,600	36,400	37,000	27,900	34,600
17	41,400	20,500	28,000	---	---	---	38,700	25,800	32,300	34,000	28,700	32,000
18	42,700	24,800	36,300	---	---	---	39,800	25,100	34,700	36,300	27,900	33,700
19	41,500	28,400	35,700	---	---	---	39,700	26,800	36,400	37,500	29,800	35,100
20	33,200	24,500	29,100	---	---	---	38,800	26,800	34,700	38,300	29,800	34,800
21	39,800	26,400	33,900	---	---	---	38,200	25,300	32,400	39,300	29,500	35,000
22	39,500	14,100	21,300	---	---	---	39,600	22,500	32,200	38,500	28,600	34,300
23	36,300	12,600	26,800	---	---	---	38,700	24,900	33,200	37,700	28,600	33,100
24	26,100	14,000	19,400	---	---	---	37,900	31,900	36,200	37,700	29,500	33,800
25	37,200	12,200	20,900	---	---	---	37,300	25,600	29,500	38,400	33,000	35,000
26	38,100	12,200	21,800	---	---	---	35,800	23,500	29,000	39,400	30,800	35,700
27	32,700	10,900	17,700	42,200	16,600	37,600	35,800	27,100	31,700	37,400	28,200	32,400
28	34,100	8,540	16,500	41,800	22,900	33,000	35,700	29,700	33,100	39,900	28,200	35,700
29	---	---	---	27,400	11,600	17,400	35,300	30,100	33,400	38,800	28,700	32,700
30	---	---	---	30,000	1,080	17,900	36,000	30,000	34,400	39,300	29,100	36,200
31	---	---	---	38,300	13,000	27,900	---	---	---	39,200	30,800	36,300
MONTH	42,700	8,540	29,500	---	---	---	41,100	16,800	31,200	39,900	17,500	31,100
	JUNE			JULY			AUGUST			SEPTEMBER		
1	39,900	30,600	36,800	24,100	23,200	23,800	45,000	30,100	39,500	36,600	29,400	34,600
2	40,900	31,500	38,600	23,600	22,200	23,100	45,700	30,400	38,200	35,900	28,400	33,000
3	41,000	35,600	39,200	---	---	---	42,000	32,400	36,700	35,300	27,700	31,400
4	41,300	32,000	37,600	---	---	---	42,900	29,500	36,400	35,300	30,500	32,800
5	40,800	30,500	37,200	---	---	---	45,200	29,900	38,500	35,900	34,700	35,300
6	40,200	32,000	36,600	---	---	---	45,200	28,500	38,000	37,300	35,500	36,600
7	35,500	30,500	33,800	---	---	---	47,900	28,100	37,800	---	---	---
8	35,400	30,400	33,100	---	---	---	48,000	26,900	39,200	---	---	---
9	37,400	32,800	34,400	---	---	---	48,900	28,800	42,800	---	---	---
10	37,000	33,500	35,900	---	---	---	48,200	33,200	43,000	---	---	---
11	37,300	31,900	35,800	---	---	---	47,900	34,600	42,100	---	---	---
12	37,700	31,900	36,000	---	---	---	47,400	34,300	43,100	---	---	---
13	35,700	31,300	34,400	---	---	---	47,700	32,500	43,200	38,300	35,300	36,300
14	33,000	30,600	31,400	29,700	25,300	27,000	46,000	36,000	42,300	35,400	32,700	34,000
15	31,400	28,100	29,100	27,100	24,000	24,900	39,500	32,000	36,100	---	---	---
16	29,700	27,900	28,400	24,600	19,300	22,800	37,600	32,500	35,400	---	---	---
17	29,000	26,600	27,700	24,200	20,100	22,100	35,400	30,600	33,200	32,600	29,600	31,100
18	28,200	24,000	25,900	25,400	22,700	23,700	---	---	---	31,900	30,900	31,500
19	27,400	25,000	26,000	29,800	22,700	24,900	---	---	---	33,400	28,500	31,500
20	27,200	21,600	24,800	29,300	20,900	24,300	---	---	---	32,800	28,700	31,200
21	26,400	20,700	24,500	28,500	19,900	23,600	---	---	---	32,300	28,900	31,000
22	26,300	23,700	25,400	37,000	21,200	27,900	---	---	---	29,600	26,300	28,400
23	25,800	23,200	24,800	39,400	20,600	28,900	---	---	---	31,400	25,500	28,500
24	24,400	20,200	22,100	41,500	21,500	32,200	---	---	---	32,200	24,900	29,600
25	24,200	18,700	21,000	41,800	23,400	35,700	---	---	---	33,600	26,000	29,200
26	23,600	17,200	19,700	42,200	25,000	35,100	46,300	40,000	44,300	33,500	26,300	29,700
27	22,800	20,900	22,000	42,300	25,000	36,400	44,400	40,000	43,300	33,400	24,700	28,300
28	25,100	22,500	23,700	42,200	27,300	37,000	43,400	40,200	42,400	35,500	22,500	27,100
29	27,300	23,100	25,500	42,900	28,200	38,500	41,500	39,000	39,900	36,000	23,400	29,600
30	26,900	23,900	25,600	44,200	30,100	38,800	40,200	34,700	37,500	36,900	22,700	30,100
31	---	---	---	44,800	29,400	39,800	35,100	30,400	33,300	---	---	---
MONTH	41,300	17,200	29,900	---	---	---	---	---	---	---	---	---

08017118 CALCASIEU RIVER AT CAMERON, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	6.3	1.9	3.4	27.7	10.2	18.1	26.2	8.0	15.3
2	---	---	---	6.2	1.2	2.8	27.8	12.8	22.3	26.2	8.6	15.7
3	---	---	---	15.6	1.3	5.8	26.7	13.4	20.8	25.4	7.5	13.8
4	---	---	---	15.0	1.2	3.9	24.2	12.0	16.6	25.7	9.3	19.3
5	---	---	---	15.9	1.3	4.5	16.9	9.6	11.8	25.1	10.7	18.3
6	---	---	---	7.6	0.8	2.1	24.0	7.9	12.8	25.0	9.1	15.3
7	---	---	---	4.8	0.7	1.7	23.9	7.0	12.6	22.2	8.3	13.0
8	---	---	---	6.1	0.8	1.8	20.0	5.3	9.5	20.9	9.0	12.1
9	24.1	15.9	20.5	6.1	0.8	1.6	20.0	4.0	8.5	20.8	11.4	16.1
10	23.6	14.9	18.2	7.0	0.6	1.6	19.4	3.5	6.5	22.2	8.7	11.8
11	22.1	13.5	15.6	7.0	0.3	1.3	19.1	4.2	7.6	23.9	7.5	15.9
12	23.1	12.9	17.1	0.8	0.4	0.6	19.8	6.0	12.7	20.4	8.9	13.4
13	21.9	11.7	15.4	9.4	0.4	1.2	7.6	2.9	4.5	22.6	7.6	14.1
14	20.9	9.8	15.3	16.3	1.7	6.5	22.5	2.9	10.2	24.1	7.3	13.4
15	22.9	10.5	14.0	12.9	0.5	3.3	22.3	5.0	12.4	26.8	8.6	16.5
16	22.5	10.5	16.5	2.5	0.4	1.1	21.0	4.1	11.7	26.9	11.5	17.0
17	22.9	11.7	16.5	21.8	0.8	7.7	23.0	5.0	14.0	26.5	10.4	16.1
18	24.1	12.4	18.4	19.5	4.6	11.4	24.1	7.6	16.6	26.7	16.0	23.5
19	24.5	13.3	19.0	18.4	2.1	7.6	23.7	7.4	14.2	27.5	15.3	22.2
20	---	---	---	24.0	2.1	9.8	24.6	5.4	11.5	27.1	18.7	24.1
21	---	---	---	25.6	3.6	12.0	25.9	8.2	18.6	26.3	21.3	24.6
22	---	---	---	25.6	4.1	15.2	25.9	5.9	15.2	26.3	15.8	21.0
23	---	---	---	26.5	5.1	16.0	23.6	8.6	16.6	22.3	12.6	15.7
24	---	---	---	26.7	5.6	16.0	23.6	6.7	14.0	27.5	16.1	22.1
25	---	---	---	26.6	5.3	15.6	24.1	5.6	9.4	27.4	17.1	21.6
26	---	---	---	25.8	7.2	13.6	24.4	10.9	18.0	27.3	15.8	21.9
27	---	---	---	20.2	6.7	10.1	22.7	8.0	13.2	26.9	15.2	21.6
28	---	---	---	23.0	8.1	14.2	19.0	6.6	11.7	26.4	17.8	23.0
29	17.6	6.1	9.0	26.2	11.3	17.8	24.8	7.8	17.3	24.9	18.4	22.4
30	12.4	3.7	6.3	24.1	11.6	16.0	25.1	10.9	19.9	23.6	16.7	19.9
31	6.8	2.8	4.1	---	---	---	22.8	8.9	15.4	22.5	17.6	20.6
MONTH	---	---	---	26.7	0.3	7.5	27.8	2.9	13.7	27.5	7.3	18.1
FEBRUARY			MARCH			APRIL			MAY			
1	23.6	17.3	20.6	20.2	5.2	10	26.3	14.3	21.6	22.2	17.5	20.7
2	25.0	17.9	22.1	23.2	5.4	12.7	25.4	12.1	19.0	20.9	16.9	19.3
3	24.8	20.7	22.9	14.3	6.1	9.4	24.5	11.9	20.3	20.2	16.9	18.9
4	25.1	16.1	20.0	15.6	6.3	8.9	25.4	14.6	22.3	20.1	16.6	19.1
5	25.4	19.9	24.0	12.9	4.3	6.6	19.1	12.6	16.6	19.0	16.9	17.7
6	25.4	17.9	22.7	14.3	5.3	8.5	16.4	13.0	15.2	16.9	15.0	15.7
7	17.9	15.5	16.2	16.3	5.8	10.9	16.4	12.9	14.7	15.8	12.7	14.1
8	26.4	14.2	20.0	14.2	5.2	8.0	13.1	11.8	12.2	15.0	10.6	12.5
9	27.1	15.9	21.8	17.1	5.2	10.7	20.9	10.9	13.7	13.3	10.3	11.7
10	18.0	16.0	16.7	17.7	5.8	12.4	24.0	9.9	17.1	14.8	11.7	13.2
11	27.1	14.4	20.7	---	---	---	25.0	10.9	18.3	16.7	13.2	14.8
12	27.0	15.5	19.9	15.7	8.6	13.7	25.2	12.2	19.9	19.4	14.2	15.7
13	23.8	14.8	19.5	13.2	7.8	9.5	25.0	13.2	19.5	21.9	15.9	18.3
14	23.7	17.2	20.9	---	---	---	24.7	14.4	20.0	24.1	17.2	21.4
15	22.6	18.2	20.7	13.4	6.5	10.2	25.0	16.6	20.6	23.4	17.2	21.6
16	19.9	13.3	15.3	---	---	---	24.6	17.6	23.0	23.4	17.2	21.8
17	26.5	12.2	17.3	---	---	---	24.6	15.8	20.1	21.3	17.7	19.9
18	27.4	15.0	22.9	---	---	---	25.4	15.3	21.8	22.9	17.2	21.1
19	26.6	17.5	22.5	---	---	---	25.3	16.4	23.0	23.7	18.4	22.1
20	20.7	14.8	18.0	---	---	---	24.7	16.4	21.8	24.3	18.4	21.9
21	25.4	16.1	21.3	---	---	---	24.2	15.4	20.3	25.0	18.2	22.0
22	25.2	8.1	12.8	---	---	---	25.2	13.5	20.2	24.4	17.6	21.6
23	22.9	7.2	16.6	---	---	---	24.6	15.1	20.8	23.9	17.6	20.7
24	15.9	8.1	11.5	---	---	---	24.0	19.9	22.9	23.9	18.2	21.2
25	23.6	7.0	12.7	---	---	---	23.6	15.6	18.3	24.4	20.6	22.0
26	24.1	7.0	13.2	---	---	---	22.5	14.2	17.9	25.1	19.1	22.5
27	20.4	6.2	10.5	27.1	9.7	23.9	22.5	16.6	19.7	23.7	17.4	20.2
28	21.4	4.7	9.8	26.8	13.8	20.7	22.5	18.4	20.7	25.4	17.4	22.5
29	---	---	---	16.8	6.6	10.3	22.2	18.7	20.9	24.7	17.7	20.5
30	---	---	---	18.6	6.1	10.6	22.7	18.6	21.6	25.0	17.9	22.8
31	---	---	---	24.3	7.5	17.2	---	---	---	25.0	19.1	23.0
MONTH	27.4	4.7	18.3	---	---	---	26.3	9.9	19.5	25.4	10.3	19.4

08017118 CALCASIEU RIVER AT CAMERON, LA—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

08017118 CALCASIEU RIVER AT CAMERON, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	21.2	19.4	20.1	15.8	13.1	14.6	14.5	12.7	13.7
2	---	---	---	19.4	17.9	18.5	15.7	12.7	14.5	14.5	11.8	13.0
3	---	---	---	19.4	17.5	18.6	15.9	14.5	15.2	13.4	10.7	11.9
4	---	---	---	19.5	17.8	18.4	16.1	15.2	15.9	13.7	11.3	12.8
5	---	---	---	19.4	17.9	18.2	15.2	12.5	13.8	14.0	12.2	13.2
6	---	---	---	18.5	16.8	17.4	14.7	10.7	12.2	14.1	13.0	13.6
7	---	---	---	17.6	16.3	16.9	14.5	11.0	12.2	13.9	11.9	12.8
8	---	---	---	18.3	16.6	17.2	13.6	11.7	12.3	13.5	11.8	12.5
9	27.4	25.3	26.3	19.2	17.1	18.0	13.6	11.2	11.7	13.9	12.6	13.3
10	26.7	25.1	25.8	19.8	17.9	19.2	12.8	10.6	11.2	14.1	13.7	13.9
11	26.1	24.6	25.2	20.5	18.8	19.9	13.4	11.0	11.6	13.8	11.9	12.8
12	26.1	24.2	25.5	19.7	18.3	18.6	13.3	11.5	12.3	11.9	8.7	10.5
13	26.2	24.8	25.4	18.8	16.6	17.4	12.1	11.1	11.6	11.0	8.0	9.3
14	25.2	22.4	23.9	19.8	16.8	18.1	13.3	10.8	12.0	11.5	8.6	9.6
15	24.3	21.2	22.2	19.3	16.8	17.9	13.6	11.2	12.4	12.0	8.9	10.2
16	23.1	21.1	22.0	16.8	14.7	15.6	14.2	12.4	13.2	11.9	10.0	10.8
17	23.1	21.4	22.1	18.2	13.8	15.7	15.1	13.7	14.3	11.3	7.8	9.4
18	23.5	21.8	22.6	17.7	15.2	16.4	15.8	15.1	15.4	11.1	8.1	10
19	23.4	22.3	22.8	18.6	16.4	17.2	16.4	15.4	16.0	11.6	8.3	9.9
20	---	---	---	19.4	17.2	17.9	15.4	14.4	14.8	11.9	11.0	11.5
21	---	---	---	19.4	16.7	17.8	15.2	13.4	14.5	13.2	11.8	12.4
22	---	---	---	19.3	16.3	17.7	16.0	14.7	15.4	13.3	12.3	12.8
23	---	---	---	18.4	15.3	16.8	16.6	15.7	16.1	12.4	9.3	10.2
24	---	---	---	18.1	15.4	16.8	16.2	13.3	15.5	10.1	7.1	8.9
25	---	---	---	18.4	16.4	17.5	14.1	10.1	12.1	9.8	6.0	7.7
26	---	---	---	18.4	16.6	17.3	14.1	10.6	12.3	8.9	6.7	7.8
27	---	---	---	17.1	13.7	14.8	13.0	10.1	11.5	9.5	7.0	8.2
28	---	---	---	15.8	12.2	13.7	12.9	10.9	11.8	10.1	8.4	9.3
29	23.2	22.4	22.8	15.6	12.3	14.0	14.2	12.0	13.1	11.2	10.0	10.6
30	23.3	22.2	22.7	15.3	14.0	14.7	14.3	13.9	14.1	12.5	10.7	11.7
31	23.0	20.9	21.7	---	---	---	14.5	13.7	14.2	11.4	10.7	11.1
MONTH	---	---	---	21.2	12.2	17.3	16.6	10.1	13.5	14.5	6.0	11.1
FEBRUARY			MARCH			APRIL			MAY			
1	12.2	11.0	11.4	13.4	12.3	12.8	17.6	16.3	17.1	27.0	24.7	25.6
2	13.3	11.4	12.2	12.9	11.7	12.3	19.0	17.4	18.1	27.5	25.6	26.4
3	13.5	12.6	13.0	12.4	11.4	12.0	20.2	18.6	19.3	28.0	25.9	26.8
4	13.3	12.7	13.0	13.4	12.3	13.1	21.6	19.7	20.2	27.5	26.3	26.6
5	12.7	11.6	12.2	13.8	13.2	13.6	22.6	20.6	21.4	26.8	26.0	26.4
6	11.9	11.1	11.7	15.5	13.8	14.7	22.2	21.2	21.7	26.6	26.2	26.4
7	11.1	9.1	10.3	17.4	14.8	15.8	22.0	21.3	21.7	26.8	26.1	26.4
8	10.7	8.5	9.7	19.0	16.1	17.9	21.6	20.4	21.4	27.0	26.2	26.7
9	10.3	8.2	9.4	18.8	17.4	17.8	20.4	17.2	18.4	27.1	26.3	26.7
10	10.8	9.0	9.7	18.0	17.5	17.7	18.8	15.6	17.4	27.4	26.7	27.0
11	11.5	10.2	10.8	---	---	---	19.7	17.2	18.5	28.0	26.7	27.2
12	12.5	11.2	11.7	18.6	17.5	17.8	20.0	17.9	19.0	27.7	25.7	26.6
13	13.2	12.5	12.9	18.9	18.1	18.6	20.6	19.2	19.8	26.8	25.6	26.2
14	14.4	13.2	13.8	---	---	---	21.2	19.9	20.4	27.3	26.5	26.8
15	15.4	13.8	14.7	18.7	18.3	18.5	21.7	20.5	21.1	27.5	26.8	27.1
16	15.3	12.3	14.3	---	---	---	22.3	21.4	21.8	27.9	27.0	27.5
17	13.2	10.6	12.0	---	---	---	23.8	21.8	22.4	28.1	27.3	27.6
18	13.5	11.6	12.7	---	---	---	24.2	22.0	23.0	28.2	26.7	27.3
19	14.4	13.2	13.7	---	---	---	24.2	22.7	23.3	28.7	27.3	27.8
20	15.0	14.2	14.6	---	---	---	23.6	23.2	23.4	29.4	27.8	28.5
21	16.0	14.9	15.2	---	---	---	24.1	22.9	23.3	29.2	27.4	27.9
22	15.5	14.8	15.1	---	---	---	24.0	22.9	23.3	27.8	26.4	27.0
23	15.2	14.6	14.9	---	---	---	23.6	21.8	22.8	27.6	25.8	26.8
24	16.1	15.2	15.7	---	---	---	23.7	22.9	23.4	27.5	26.0	26.9
25	15.8	13.6	14.6	---	---	---	24.4	22.9	23.5	28.0	26.6	27.2
26	14.2	12.2	13.2	---	---	---	24.3	22.6	23.7	28.6	27.0	27.6
27	13.4	11.5	12.2	20.1	19.1	19.9	24.6	22.9	24.0	28.3	26.4	27.4
28	13.3	11.9	12.4	20.3	19.3	19.9	24.6	24.0	24.4	28.1	26.4	27.0
29	---	---	---	19.3	15.5	17.8	25.4	24.3	24.7	27.9	26.5	27.1
30	---	---	---	16.6	13.6	15.2	25.9	24.8	25.2	28.3	26.7	27.2
31	---	---	---	17.4	14.6	16.2	---	---	---	28.8	26.9	27.6
MONTH	16.1	8.2	12.8	---	---	---	25.9	15.6	21.6	29.4	24.7	27.0

CALCASIEU RIVER BASIN

08017118 CALCASIEU RIVER AT CAMERON, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

[illegible]

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW ¼ SE ¼ 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 NGVD of 1929.

REMARKS.--Records good above 100 ft³/s, fair between 100 ft³/s and 50 ft³/s, and poor below. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge 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 24	1900	*4,740	*12.94	Feb 22	0300	3,570	12.41
Jan 1	0600	2,370	11.69	Feb 26	2000	973	10.29

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	10	15	1,920	21	193	13	0.54	0.01	10	2.0	0.03
2	0.00	11	15	871	19	94	12	0.79	0.01	9.5	1.3	0.60
3	0.00	12	15	219	17	66	11	0.99	0.00	9.3	1.0	0.41
4	0.00	20	189	72	16	68	11	0.83	0.00	9.2	0.72	2.6
5	0.00	358	429	50	15	73	11	0.63	0.19	10	0.37	9.6
6	0.00	407	312	39	32	82	11	0.79	0.47	13	0.27	5.3
7	0.00	146	55	32	155	85	18	0.84	28	14	0.15	3.4
8	0.00	24	27	27	164	55	33	0.63	16	13	0.10	2.0
9	0.00	15	19	25	63	41	17	0.56	9.5	13	0.06	1.2
10	0.01	13	16	23	66	34	11	0.49	8.1	15	0.05	0.73
11	0.03	12	14	21	72	27	8.8	0.50	7.2	37	0.59	1.4
12	0.05	12	22	19	45	23	7.3	0.35	7.4	58	0.64	11
13	0.06	12	263	18	33	21	6.7	0.49	15	36	0.33	45
14	0.06	12	382	18	27	21	6.1	0.52	70	12	0.22	42
15	0.05	13	165	19	26	20	5.4	0.57	101	9.0	0.13	14
16	0.05	12	45	18	30	18	5.2	3.2	156	7.9	0.10	7.9
17	0.04	12	28	16	30	17	4.3	14	96	6.8	0.08	5.8
18	0.04	13	22	15	23	26	3.5	7.8	138	6.5	0.06	5.8
19	0.27	13	76	14	20	168	3.3	4.5	141	5.9	0.04	7.9
20	1.5	13	154	14	73	195	3.8	2.1	37	5.4	0.03	5.5
21	1.2	13	78	14	1,660	61	5.8	1.1	18	4.5	0.03	5.4
22	0.93	13	36	14	3,000	33	4.1	0.61	14	4.2	0.27	17
23	0.90	13	203	13	1,580	24	4.7	0.41	13	237	0.14	29
24	0.92	13	3,360	13	652	20	5.3	0.32	12	44	0.07	14
25	1.2	13	2,160	12	426	17	4.3	0.25	11	11	0.04	8.0
26	1.7	14	704	17	854	16	3.1	0.23	11	8.1	0.02	5.6
27	2.0	14	119	66	845	16	3.4	0.14	11	6.7	0.02	4.0
28	2.9	14	57	62	590	18	2.5	0.08	10	5.6	0.01	2.7
29	6.2	16	41	37	---	16	1.4	0.05	9.9	4.4	0.01	1.3
30	5.8	15	36	30	---	14	0.74	0.04	10	3.6	0.01	0.79
31	5.2	---	771	25	---	13	---	0.03	---	2.5	0.01	---
TOTAL	31.11	1,278	9,828	3,753	10,554	1,575	237.74	44.38	950.78	632.1	8.87	259.96
MEAN	1.00	42.6	317	121	377	50.8	7.92	1.43	31.7	20.4	0.29	8.67
MAX	6.2	407	3,360	1,920	3,000	195	33	14	156	237	2.0	45
MIN	0.00	10	14	12	15	13	0.74	0.03	0.00	2.5	0.01	0.03
AC-FT	62	2,530	19,490	7,440	20,930	3,120	472	88	1,890	1,250	18	516
CFSM	0.01	0.59	4.37	1.67	5.20	0.70	0.11	0.02	0.44	0.28	0.00	0.12
IN.	0.02	0.66	5.04	1.93	5.42	0.81	0.12	0.02	0.49	0.32	0.00	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	22.0	36.3	141	166	208	148	112	86.5	67.0	16.6	7.87	4.38
MAX	128	220	463	703	514	555	451	388	433	290	125	50.4
(WY)	(1998)	(1987)	(2002)	(1999)	(1987)	(2001)	(1991)	(1990)	(1989)	(1989)	(1997)	(2001)
MIN	0.000	0.000	0.036	0.39	1.94	0.90	0.49	0.043	0.033	0.000	0.000	0.000
(WY)	(1991)	(1996)	(1982)	(1981)	(1996)	(1996)	(1981)	(1996)	(1996)	(1984)	(1985)	(1982)

08023080 BAYOU GRAND CANE NEAR STANLEY, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	28,765.82		29,152.94		84.0	
ANNUAL MEAN	78.8		79.9		156	
HIGHEST ANNUAL MEAN					3.90	
LOWEST ANNUAL MEAN					1989	
HIGHEST DAILY MEAN	3,360	Dec 24	3,360	Dec 24	6,230	May 18, 1989
LOWEST DAILY MEAN	0.00	Aug 26	a0.00		b0.00	
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 26	a0.00		b0.00	
MAXIMUM PEAK FLOW			4,740	Dec 24	9,740	Jan 29, 1999
MAXIMUM PEAK STAGE			12.94	Dec 24	15.48	Jan 29, 1999
INSTANTANEOUS LOW FLOW			a0.00		b0.00	
INSTANTANEOUS LOW STAGE			c2.35	Oct 5	*	
ANNUAL RUNOFF (AC-FT)	57,060		57,820		60,850	
ANNUAL RUNOFF (CFSM)	1.09		1.10		1.16	
ANNUAL RUNOFF (INCHES)	14.76		14.96		15.74	
10 PERCENT EXCEEDS	158		108		185	
50 PERCENT EXCEEDS	9.4		12		4.6	
90 PERCENT EXCEEDS	0.00		0.06		0.00	

a Several days

b At times most years

c Also occurred Oct 6

* Not determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	3.32	3.60	11.31	3.92	7.57	3.48	3.05	2.89	3.31	2.98	2.71
2	2.38	3.37	3.59	10.10	3.80	6.06	3.42	3.07	2.88	3.28	2.95	2.88
3	2.37	3.43	3.62	7.63	3.71	5.41	3.38	3.08	2.86	3.27	2.93	2.88
4	2.37	3.77	7.06	5.54	3.66	5.45	3.37	3.07	2.84	3.26	2.90	3.00
5	2.36	8.66	9.18	4.95	3.61	5.58	3.36	3.06	2.90	3.33	2.86	3.32
6	2.36	9.10	8.39	4.61	4.24	5.78	3.36	3.07	3.04	3.47	2.83	3.11
7	2.40	6.61	5.05	4.35	7.16	5.85	3.73	3.07	4.15	3.54	2.80	3.05
8	2.41	4.02	4.17	4.17	7.27	5.10	4.39	3.06	3.63	3.48	2.77	3.01
9	2.41	3.58	3.82	4.08	5.31	4.68	3.71	3.05	3.28	3.50	2.74	2.97
10	2.54	3.49	3.64	4.01	5.40	4.41	3.42	3.04	3.20	3.62	2.72	2.94
11	2.59	3.45	3.56	3.92	5.54	4.18	3.32	3.05	3.15	4.41	2.85	2.97
12	2.63	3.44	3.85	3.81	4.81	4.01	3.27	3.03	3.16	5.14	2.89	3.42
13	2.65	3.46	8.20	3.78	4.38	3.92	3.25	3.04	3.55	4.44	2.85	4.80
14	2.65	3.44	9.02	3.78	4.15	3.90	3.23	3.05	5.47	3.44	2.82	4.66
15	2.64	3.48	7.02	3.79	4.11	3.87	3.21	3.05	6.16	3.25	2.79	3.53
16	2.63	3.46	4.79	3.75	4.27	3.78	3.20	3.16	7.23	3.19	2.77	3.24
17	2.63	3.47	4.22	3.66	4.27	3.70	3.18	3.56	6.05	3.13	2.76	3.15
18	2.62	3.48	3.94	3.59	4.02	4.04	3.16	3.28	6.91	3.11	2.74	3.16
19	2.71	3.48	5.44	3.56	3.84	7.32	3.15	3.18	6.91	3.08	2.71	3.24
20	2.89	3.48	7.21	3.53	5.17	7.68	3.17	3.13	4.52	3.06	2.69	3.15
21	2.87	3.50	5.66	3.54	10.85	5.24	3.22	3.09	3.77	3.02	2.70	3.15
22	2.85	3.49	4.49	3.53	12.08	4.40	3.17	3.06	3.55	3.01	2.83	3.70
23	2.85	3.49	5.97	3.53	10.99	4.06	3.19	3.04	3.48	7.36	2.79	4.24
24	2.85	3.50	12.21	3.48	9.64	3.85	3.20	3.03	3.43	4.62	2.75	3.56
25	2.87	3.51	11.43	3.45	9.06	3.74	3.18	3.01	3.40	3.40	2.71	3.25
26	2.90	3.54	9.74	3.68	10.10	3.64	3.15	3.01	3.37	3.23	2.69	3.16
27	2.92	3.56	6.48	5.34	10.08	3.67	3.16	2.99	3.35	3.16	2.67	3.11
28	2.96	3.58	5.14	5.26	9.58	3.76	3.14	2.96	3.33	3.11	2.66	3.07
29	3.10	3.64	4.67	4.52	---	3.67	3.10	2.94	3.30	3.06	2.65	3.02
30	3.08	3.63	4.50	4.26	---	3.54	3.07	2.93	3.33	3.03	2.64	2.99
31	3.05	---	9.53	4.08	---	3.47	---	2.92	---	3.00	2.64	---
MAX	3.10	9.10	12.21	11.31	12.08	7.68	4.39	3.56	7.23	7.36	2.98	4.80
MIN	2.36	3.32	3.56	3.45	3.61	3.47	3.07	2.92	2.84	3.00	2.64	2.71

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 NGVD of 1929. Oct. 29, 1953 to Sept. 30, 1968, crest-stage gage at same site and datum.

REMARKS.--Records good above 50 cfs and fair below, except for estimated record, which is poor. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Minimum discharge, 0.00 ft³/s, Oct 5, 10, 11, gage height, 7.7 ft.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 25	0130	1,950	16.16	Feb 22	0600	*3,330	*16.95
Jan 1	0130	2,770	16.61				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.41	0.49	29	1,920	35	222	12	3.8	1.1	0.77	4.1	2.7
2	0.33	0.30	27	650	31	147	11	2.4	e0.68	0.48	2.0	3.2
3	0.29	0.86	29	236	27	112	9.8	1.7	e0.48	0.41	0.69	3.4
4	0.26	14	200	114	25	159	9.6	1.6	0.36	0.47	0.37	151
5	0.18	408	424	84	22	149	9.5	1.5	0.28	3.0	0.26	97
6	0.12	505	351	67	54	174	9.9	1.4	0.22	3.0	1.5	9.5
7	0.11	256	116	56	208	169	15	1.4	0.20	2.3	3.9	4.0
8	0.07	58	59	51	143	111	16	2.5	0.20	3.9	1.1	2.8
9	0.01	36	43	46	86	82	11	2.1	0.20	5.3	0.48	2.5
10	0.00	30	34	44	177	68	7.6	3.2	0.21	2.0	0.33	3.0
11	0.01	27	33	38	135	57	6.2	3.0	1.6	26	0.31	23
12	0.03	25	42	33	79	49	7.1	1.7	2.6	129	0.42	79
13	0.04	24	290	33	59	89	5.9	1.5	20	36	0.96	113
14	0.05	23	339	39	49	126	5.3	1.3	74	127	4.1	58
15	0.04	25	157	39	50	84	4.5	1.4	55	69	2.2	17
16	0.03	28	71	37	51	58	4.8	6.5	198	14	1.1	6.1
17	0.02	27	51	30	41	47	7.5	10	137	4.8	0.64	4.7
18	0.02	25	44	26	33	48	4.4	3.8	205	38	0.57	6.5
19	0.06	26	206	22	28	161	5.6	2.3	84	161	0.56	4.5
20	0.32	25	302	21	117	122	7.5	3.4	26	37	4.1	4.0
21	2.5	26	143	22	1,290	63	35	2.2	12	9.8	2.3	12
22	0.16	27	73	23	2,910	46	36	1.7	3.8	4.9	2.3	195
23	0.09	24	137	20	1,330	38	14	1.3	2.3	19	2.8	156
24	0.09	24	1,210	17	483	30	17	1.1	1.9	79	5.4	44
25	0.05	26	1,400	15	425	29	56	0.95	4.3	23	3.0	24
26	0.05	27	447	31	917	24	13	e0.87	1.7	7.0	1.6	16
27	0.11	27	158	105	708	28	6.1	e0.81	0.98	4.4	1.3	9.3
28	0.28	27	94	70	398	29	3.6	e0.77	1.1	4.3	0.96	8.2
29	1.0	29	73	54	---	22	2.7	e0.83	4.1	1.3	0.64	7.0
30	4.6	29	72	49	---	17	3.2	e1.9	1.5	0.72	0.57	5.0
31	1.4	---	1,110	41	---	14	---	1.7	---	0.46	0.78	---
TOTAL	12.73	1,829.65	7,764	4,033	9,911	2,574	356.8	70.63	840.81	817.31	51.34	1,071.4
MEAN	0.41	61.0	250	130	354	83.0	11.9	2.28	28.0	26.4	1.66	35.7
MAX	4.6	505	1,400	1,920	2,910	222	56	10	205	161	5.4	195
MIN	0.00	0.30	27	15	22	14	2.7	0.77	0.20	0.41	0.26	2.5
AC-FT	25	3,630	15,400	8,000	19,660	5,110	708	140	1,670	1,620	102	2,130
CFSM	0.01	0.76	3.12	1.62	4.41	1.04	0.15	0.03	0.35	0.33	0.02	0.45
IN.	0.01	0.85	3.60	1.87	4.60	1.19	0.17	0.03	0.39	0.38	0.02	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2003, BY WATER YEAR (WY)

MEAN	15.3	40.9	140	191	213	162	138	101	65.5	18.1	7.58	11.9
MAX	126	305	498	971	592	595	544	530	574	288	65.8	85.0
(WY)	(1998)	(1987)	(2002)	(1999)	(1983)	(2001)	(1991)	(1983)	(1989)	(1989)	(1996)	(1991)
MIN	0.000	0.000	0.000	0.18	1.76	8.84	1.50	0.11	0.000	0.000	0.000	0.000
(WY)	(1981)	(1981)	(1981)	(1981)	(1981)	(1996)	(1981)	(2001)	(1988)	(1978)	(1980)	(1980)

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1978 - 2003	
ANNUAL TOTAL	31,614.53		29,332.67		91.4	
ANNUAL MEAN	86.6		80.4		190	
HIGHEST ANNUAL MEAN					10.6	
LOWEST ANNUAL MEAN					10,700	
HIGHEST DAILY MEAN	2,980	Apr 9	2,910	Feb 22	10,700	May 18, 1989
LOWEST DAILY MEAN	0.00	May 25	0.00	Oct 10	0.00	Oct 1, 1977
ANNUAL SEVEN-DAY MINIMUM	0.03	Oct 9	0.03	Oct 9	0.00	Oct 1, 1977
MAXIMUM PEAK FLOW			3,330	Feb 22	21,300	Sep 20, 1958
MAXIMUM PEAK STAGE			16.95	Feb 22	21.19	May 18, 1989
INSTANTANEOUS LOW FLOW			a0.00	Oct 9	b0.00	
INSTANTANEOUS LOW STAGE			6.70	Jun 10		
ANNUAL RUNOFF (AC-FT)	62,710		58,180		66,230	
ANNUAL RUNOFF (CFSM)	1.08		1.00		1.14	
ANNUAL RUNOFF (INCHES)	14.66		13.61		15.49	
10 PERCENT EXCEEDS	157		158		182	
50 PERCENT EXCEEDS	8.5		15		6.8	
90 PERCENT EXCEEDS	0.14		0.35		0.00	

a Also occurred Oct 10,11

b At times most years

c Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.59	8.14	8.18	16.11	8.33	12.06	7.78	7.37	7.06	6.97	7.38	7.28
2	7.56	8.07	8.15	14.91	8.25	10.70	7.72	7.24	---	6.88	7.18	7.33
3	7.54	8.24	8.19	12.55	8.14	10.07	7.69	7.16	---	6.85	6.95	7.34
4	7.54	8.84	11.57	10.38	8.09	10.91	7.68	7.14	6.83	6.87	6.83	10.58
5	7.51	13.86	14.35	9.68	8.03	10.73	7.68	7.13	6.78	7.20	6.77	9.61
6	7.48	14.66	13.81	9.23	8.84	11.19	7.69	7.12	6.74	7.30	7.00	7.66
7	7.48	12.60	10.37	8.92	12.19	11.08	7.85	7.10	6.73	7.22	7.38	7.39
8	7.46	8.99	9.02	8.78	10.97	10.04	7.89	7.25	6.73	7.38	7.05	7.29
9	7.45	8.35	8.54	8.64	9.73	9.43	7.74	7.21	6.73	7.47	6.88	7.26
10	7.53	8.22	8.32	8.58	11.64	9.12	7.60	7.29	6.72	7.20	6.81	7.30
11	7.65	8.15	8.30	8.40	10.82	8.84	7.53	7.30	7.13	7.94	6.80	7.96
12	7.83	8.09	8.54	8.29	9.57	8.64	7.57	7.15	7.25	10.36	6.85	9.34
13	7.84	8.08	13.20	8.29	9.00	9.54	7.51	7.12	7.95	8.35	6.97	10.08
14	7.86	8.05	13.82	8.43	8.72	10.33	7.48	7.10	9.25	10.27	7.40	8.86
15	7.84	8.09	11.20	8.43	8.74	9.49	7.43	7.10	8.80	9.10	7.23	7.90
16	7.81	8.16	9.33	8.38	8.77	8.86	7.44	7.37	11.64	7.80	7.06	7.52
17	7.79	8.14	8.78	8.20	8.50	8.60	7.59	7.70	10.50	7.45	6.94	7.44
18	7.79	8.09	8.58	8.11	8.28	8.61	7.42	7.38	11.75	8.31	6.91	7.55
19	7.88	8.11	11.83	8.03	8.16	10.93	7.49	7.23	9.42	10.94	6.91	7.43
20	8.03	8.09	13.48	8.02	9.94	10.24	7.59	7.34	8.12	8.38	7.38	7.39
21	8.37	8.12	10.96	8.03	15.58	9.00	8.32	7.23	7.75	7.67	7.23	7.68
22	7.98	8.13	9.40	8.05	16.70	8.57	8.34	7.15	7.37	7.45	7.23	11.58
23	7.92	8.08	10.18	7.98	15.73	8.39	7.83	7.10	7.24	7.92	7.29	10.81
24	7.93	8.07	15.65	7.92	14.30	8.21	7.87	7.05	7.18	9.36	7.47	8.42
25	7.86	8.11	15.79	7.86	13.97	8.17	8.81	7.02	7.41	8.05	7.30	7.94
26	7.87	8.13	14.23	8.26	15.37	8.08	7.80	---	7.15	7.56	7.14	7.77
27	7.94	8.15	11.28	10.18	15.04	8.17	7.52	---	7.03	7.42	7.09	7.58
28	8.06	8.15	9.93	9.30	14.01	8.19	7.36	---	7.01	7.41	7.02	7.54
29	8.27	8.19	9.39	8.88	---	8.03	7.28	---	7.39	7.09	6.94	7.49
30	8.59	8.19	9.34	8.72	---	7.92	7.31	---	7.12	6.96	6.91	7.39
31	8.33	---	15.23	8.50	---	7.84	---	7.15	---	6.87	6.96	---
MAX	8.59	14.66	15.79	16.11	16.70	12.06	8.81	7.70	11.75	10.94	7.47	11.58
MIN	7.45	8.05	8.15	7.86	8.03	7.84	7.28	---	6.72	6.85	6.77	7.26

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56, in SW ¼ 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-stage recorder. Datum of gage is 138.00 ft above NGVD of 1929 (levels by Louisiana Department of Transportation and Development).

Nonrecording gage at same site and datum read once daily from Dec. 2, 1985 to May 15, 1986 and twice daily May 16, 1986 to Sept. 30, 1986. Prior to Dec. 2, 1985 at site 500 ft downstream at same datum.

REMARKS.--Records good above 10 cfs and fair below, except for periods of estimated record, which are poor. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 6	0130	*7,400	*20.58	Dec 31	1630	2,680	14.40
Dec 25	1500	3,160	15.48	Feb 22	1900	7,350	20.54

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	76	47	2,360	77	304	e65	e50	11	23	e9.0	53
2	4.8	53	46	1,650	69	240	60	e47	11	22	e8.0	69
3	5.3	688	46	419	65	323	58	e44	10	23	e7.3	64
4	13	2,140	457	265	66	1,130	56	e41	9.3	20	e6.6	37
5	51	4,910	1,010	205	62	696	76	e39	8.7	63	e6.1	24
6	25	5,530	514	168	147	401	208	e37	9.3	138	e5.7	17
7	24	1,820	194	140	556	305	187	e35	16	72	e5.4	13
8	37	366	128	123	293	226	354	e33	17	39	5.1	12
9	22	226	104	117	159	185	123	e32	13	31	4.9	30
10	16	172	153	112	227	155	79	e31	11	71	4.8	29
11	13	140	155	102	210	130	63	e29	9.1	43	42	17
12	12	115	260	95	134	120	56	e28	14	62	22	58
13	10	98	1,400	92	104	431	51	e27	389	59	21	265
14	9.2	88	1,020	92	90	702	45	e26	971	72	16	126
15	8.4	85	340	85	91	324	42	e25	253	36	14	47
16	7.6	82	199	78	118	191	39	e25	88	26	12	27
17	6.9	80	148	72	109	146	38	e24	72	21	10	19
18	6.4	72	124	67	84	223	37	e23	347	18	8.6	15
19	6.7	67	211	64	72	1,030	36	e22	161	24	7.4	13
20	106	62	388	63	72	633	35	19	69	28	7.4	12
21	428	60	225	64	2,240	236	34	18	327	22	9.9	13
22	145	56	136	64	6,030	154	34	17	106	18	10	25
23	60	53	262	59	4,130	121	34	17	54	16	11	41
24	41	50	2,380	53	1,210	105	303	16	39	14	10	31
25	86	49	2,850	50	371	95	1,070	15	32	13	8.4	21
26	197	50	1,750	59	350	123	333	15	29	14	8.3	16
27	322	50	371	129	548	188	108	15	29	14	7.4	13
28	657	54	239	124	478	133	73	15	25	12	8.9	12
29	734	54	183	114	---	e98	62	15	22	11	20	10
30	398	51	169	113	---	e80	e55	14	20	11	21	9.1
31	130	---	2,280	93	---	e70	---	12	---	9.7	20	---
TOTAL	3,587.4	17,397	17,789	7,291	18,162	9,298	3,814	806	3,172.4	1,045.7	358.2	1,138.1
MEAN	116	580	574	235	649	300	127	26.0	106	33.7	11.6	37.9
MAX	734	5,530	2,850	2,360	6,030	1,130	1,070	50	971	138	42	265
MIN	4.8	49	46	50	62	70	34	12	8.7	9.7	4.8	9.1
AC-FT	7,120	34,510	35,280	14,460	36,020	18,440	7,570	1,600	6,290	2,070	710	2,260
CFSM	0.78	3.92	3.88	1.59	4.38	2.03	0.86	0.18	0.71	0.23	0.08	0.26
IN.	0.90	4.37	4.47	1.83	4.57	2.34	0.96	0.20	0.80	0.26	0.09	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

MEAN	50.8	113	204	311	315	272	241	182	108	55.2	26.4	50.4
MAX	695	663	1,166	1,228	1,117	789	1,354	1,223	1,202	886	198	928
(WY)	(1985)	(2002)	(1983)	(1999)	(1975)	(1961)	(1968)	(1975)	(1989)	(1989)	(1958)	(1961)
MIN	1.70	5.12	7.96	11.5	10.5	18.0	13.1	9.33	4.14	2.62	0.92	0.76
(WY)	(1964)	(1982)	(1982)	(2000)	(2000)	(1996)	(1981)	(1963)	(1971)	(1956)	(1956)	(1956)

08025500 BAYOU TORO NEAR TORO, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	64,344.7		83,858.8		160	
ANNUAL MEAN	176		230		409	
HIGHEST ANNUAL MEAN					23.2	
LOWEST ANNUAL MEAN					1996	
HIGHEST DAILY MEAN	5,530	Nov 6	6,030	Feb 22	21,600	Apr 9, 1968
LOWEST DAILY MEAN	1.8	Aug 12	f4.8	Oct 2	0.10	Sep 29, 1956
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 8	5.5	Aug 4	0.13	Sep 27, 1956
MAXIMUM PEAK FLOW			7,400	Nov 6	31,200	Apr 9, 1968
MAXIMUM PEAK STAGE			20.58	Nov 6	25.73	Apr 9, 1968
INSTANTANEOUS LOW FLOW			b4.5	Oct 3	d0.10	Sep 29, 1956
INSTANTANEOUS LOW STAGE			a2.76	Aug 10	c2.40	Sep 30, 1956
ANNUAL RUNOFF (AC-FT)	127,600		166,300		115,900	
ANNUAL RUNOFF (CFSM)	1.19		1.55		1.08	
ANNUAL RUNOFF (INCHES)	16.17		21.08		14.68	
10 PERCENT EXCEEDS	329		399		297	
50 PERCENT EXCEEDS	48		59		32	
90 PERCENT EXCEEDS	5.4		10		5.7	

a Also occurred Aug 11

b Also occurred Aug 10,11

c Also occurred Oct 1, 1956

d Also occurred Sep 30, Oct 1, 1956

e Estimated

f Also occurred Aug 10

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.01	4.43	4.12	13.58	4.51	6.12	---	---	3.18	3.44	---	3.97
2	2.99	4.15	4.10	11.39	4.41	5.78	4.31	---	3.17	3.41	---	4.22
3	3.02	7.42	4.10	6.69	4.37	6.15	4.27	---	3.15	3.43	---	4.15
4	3.29	12.93	6.58	5.91	4.38	9.69	4.24	---	3.11	3.37	---	3.72
5	4.11	18.10	9.24	5.57	4.32	7.94	4.45	---	3.09	3.89	---	3.45
6	3.66	18.65	7.11	5.33	4.96	6.60	5.58	---	3.11	4.96	---	3.27
7	3.63	11.84	5.50	5.13	7.34	6.12	5.36	---	3.36	4.25	---	3.14
8	3.88	6.41	5.02	4.99	6.04	5.70	6.35	---	3.37	3.77	2.80	3.11
9	3.58	5.67	4.80	4.93	5.27	5.45	4.97	---	3.24	3.61	2.78	3.57
10	3.43	5.33	5.22	4.88	5.70	5.24	4.53	---	3.16	4.24	2.78	3.56
11	3.33	5.09	5.24	4.78	5.59	5.05	4.34	---	3.10	3.84	3.66	3.27
12	3.29	4.87	5.66	4.71	5.08	4.96	4.25	---	3.22	4.12	3.42	3.97
13	3.24	4.71	10.70	4.68	4.80	6.57	4.17	---	6.17	4.08	3.37	5.83
14	3.20	4.59	9.25	4.68	4.66	7.99	4.09	---	9.07	4.23	3.25	4.82
15	3.17	4.56	6.29	4.60	4.67	6.21	4.04	---	5.69	3.72	3.16	3.89
16	3.13	4.53	5.53	4.52	4.94	5.48	3.99	---	4.46	3.50	3.10	3.53
17	3.10	4.51	5.19	4.45	4.85	5.17	3.97	---	4.25	3.37	3.02	3.34
18	3.08	4.42	5.00	4.39	4.59	5.54	3.96	---	6.28	3.29	2.96	3.21
19	3.09	4.36	5.55	4.36	4.45	9.34	3.94	---	5.09	3.45	2.91	3.13
20	4.46	4.30	6.54	4.34	4.45	7.64	3.92	3.45	4.22	3.56	2.91	3.10
21	6.73	4.27	5.68	4.35	12.21	5.75	3.90	3.41	6.15	3.42	3.01	3.15
22	5.04	4.22	5.09	4.35	19.34	5.23	3.91	3.39	4.64	3.31	3.03	3.47
23	4.24	4.18	5.63	4.29	16.78	4.97	3.90	3.37	4.01	3.23	3.06	3.80
24	3.96	4.15	13.59	4.21	9.81	4.81	5.50	3.35	3.77	3.17	3.02	3.62
25	4.35	4.13	14.78	4.16	6.45	4.71	9.48	3.33	3.63	3.14	2.95	3.38
26	5.48	4.15	11.63	4.29	6.35	4.95	6.16	3.33	3.58	3.17	2.95	3.23
27	6.16	4.16	6.45	5.01	7.30	5.47	4.75	3.33	3.58	3.17	2.91	3.14
28	7.79	4.21	5.77	4.98	6.97	5.07	4.36	3.31	3.48	3.10	2.97	3.08
29	8.14	4.20	5.43	4.88	---	---	4.21	3.32	3.42	3.07	3.30	3.02
30	6.55	4.17	5.33	4.89	---	---	---	3.29	3.36	3.03	3.38	2.98
31	4.98	---	13.23	4.69	---	---	---	3.22	---	3.01	3.36	---
MAX	8.14	18.65	14.78	13.58	19.34	9.69	9.48	---	9.07	4.96	3.66	5.83
MIN	2.99	4.13	4.10	4.16	4.32	---	---	---	3.09	3.01	---	2.98

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 NGVD of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good above 10 ft³/s and fair below. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 580,000 acre-ft) since May 1963. Effected by occasional regulation July to September in most years caused by temporary lowering of the reservoirs upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	2,640	127	3,680	409	1,090	208	e62	34	95	e25	49
2	35	1,400	120	3,790	387	904	186	e60	34	67	e23	72
3	42	2,280	153	3,210	352	776	177	e58	92	108	e22	62
4	226	7,360	3,040	1,850	334	1,210	168	e56	95	289	e21	54
5	258	17,600	6,510	1,220	300	1,650	169	e55	70	519	e21	62
6	316	16,600	5,760	925	364	1,630	174	e54	107	382	19	37
7	166	10,900	4,400	732	827	1,390	165	54	110	384	18	26
8	135	5,320	2,290	597	672	1,060	170	53	77	391	17	21
9	123	3,810	1,260	517	548	842	158	50	61	336	17	18
10	175	2,220	1,170	468	627	694	141	47	51	325	16	17
11	175	1,450	1,100	411	605	565	126	45	44	463	35	30
12	145	1,130	1,070	366	519	473	118	47	73	383	74	68
13	123	923	3,080	346	445	497	111	49	646	325	40	224
14	112	523	3,490	310	387	615	105	42	1,470	236	29	191
15	89	383	3,190	e300	410	615	98	40	1,190	186	24	139
16	e75	333	1,930	e285	574	556	91	42	628	148	23	113
17	e52	260	1,260	265	529	493	89	42	431	112	22	91
18	43	221	961	244	425	475	92	39	569	115	21	73
19	39	199	908	223	356	1,160	86	37	907	114	23	62
20	143	187	1,250	213	323	1,150	83	35	804	88	21	52
21	564	173	1,160	209	2,130	884	88	35	643	74	19	51
22	385	161	961	217	4,080	650	87	38	753	65	19	79
23	372	150	797	215	6,870	506	84	36	552	52	18	74
24	319	137	1,990	198	6,700	412	85	33	347	47	16	58
25	1,240	136	2,860	171	4,230	343	81	31	241	51	15	49
26	3,830	140	2,590	229	2,520	324	82	53	179	118	13	44
27	6,990	158	1,700	348	1,630	369	78	76	166	89	e12	38
28	6,850	146	1,170	319	1,320	346	72	80	172	58	e40	36
29	5,700	131	884	313	---	335	68	55	122	42	24	34
30	5,080	126	730	372	---	289	e66	46	99	33	25	28
31	4,180	---	2,590	390	---	243	---	39	---	28	23	---
TOTAL	38,022	77,197	60,501	22,933	38,873	22,546	3,506	1,489	10,767	5,723	735	1,952
MEAN	1,227	2,573	1,952	740	1,388	727	117	48.0	359	185	23.7	65.1
MAX	6,990	17,600	6,510	3,790	6,870	1,650	208	80	1,470	519	74	224
MIN	35	126	120	171	300	243	66	31	34	28	12	17
AC-FT	75,420	153,100	120,000	45,490	77,100	44,720	6,950	2,950	21,360	11,350	1,460	3,870
CFSM	3.36	7.05	5.35	2.03	3.80	1.99	0.32	0.13	0.98	0.51	0.06	0.18
IN.	3.88	7.87	6.17	2.34	3.96	2.30	0.36	0.15	1.10	0.58	0.07	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

	169	378	720	785	892	741	719	587	293	230	149	165
MEAN	169	378	720	785	892	741	719	587	293	230	149	165
MAX	1,227	2,573	6,006	2,741	4,220	1,901	2,402	6,181	2,628	2,665	2,286	1,698
(WY)	(2003)	(2003)	(1983)	(1990)	(1966)	(1973)	(1952)	(1953)	(1989)	(1989)	(1955)	(1958)
MIN	7.95	13.5	40.1	25.8	24.6	92.7	42.9	36.6	15.7	14.8	9.17	9.18
(WY)	(1964)	(1968)	(1955)	(2000)	(2000)	(2000)	(1981)	(1978)	(1971)	(1998)	(2000)	(1993)

08028000 BAYOU ANACOCO NEAR ROSE PINE, LA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	273,160		284,244			
ANNUAL MEAN	748		779		484	
HIGHEST ANNUAL MEAN					1,265	1983
LOWEST ANNUAL MEAN					102	1981
HIGHEST DAILY MEAN	17,600	Nov 5	17,600	Nov 5	49,900	Apr 30, 1953
LOWEST DAILY MEAN	11	Sep 15	e12	Aug 27	4.9	Sep 7, 2000
ANNUAL SEVEN-DAY MINIMUM	13	Sep 11	16	Aug 21	5.3	Sep 2, 2000
MAXIMUM PEAK FLOW			19,100	Nov 5	64,300	May 19, 1953
MAXIMUM PEAK STAGE			22.76	Nov 5	28.38	May 19, 1953
INSTANTANEOUS LOW FLOW			*		a4.0	Sep 28, 1981
INSTANTANEOUS LOW STAGE			*		*	
ANNUAL RUNOFF (AC-FT)	541,800		563,800		350,400	
ANNUAL RUNOFF (CFSM)	2.05		2.13		1.33	
ANNUAL RUNOFF (INCHES)	27.84		28.97		18.00	
10 PERCENT EXCEEDS	1,950		1,950		1,100	
50 PERCENT EXCEEDS	173		175		145	
90 PERCENT EXCEEDS	24		33		19	

a Also occurred Sep. 29, 30, 1981

e Estimated

* Not Determined

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.26	13.44	3.73	16.62	5.48	8.31	4.32	---	2.97	3.63	---	3.30
2	3.22	9.42	3.68	16.93	5.36	7.62	4.17	---	2.97	3.43	---	3.48
3	3.27	12.15	3.90	15.21	5.17	7.13	4.10	---	3.45	3.68	---	3.40
4	4.47	20.30	14.06	10.92	5.07	8.74	4.04	---	3.48	4.82	---	3.33
5	4.68	22.50	20.35	8.76	4.88	10.30	4.05	---	3.28	5.99	---	3.40
6	4.99	22.33	20.08	7.70	5.21	10.21	4.09	---	3.58	5.33	3.02	3.20
7	4.15	21.30	18.33	6.95	7.33	9.37	4.02	3.14	3.60	5.34	3.01	3.09
8	3.94	19.62	12.31	6.38	6.70	8.20	4.06	3.14	3.34	5.38	3.00	3.04
9	3.86	16.92	8.91	6.01	6.16	7.38	3.96	3.11	3.20	5.09	3.00	3.01
10	4.21	12.10	8.59	5.78	6.51	6.79	3.84	3.08	3.11	5.04	2.99	3.00
11	4.21	9.57	8.36	5.49	6.42	6.24	3.72	3.06	3.05	5.75	3.17	3.13
12	4.01	8.45	8.20	5.25	6.02	5.80	3.66	3.08	3.29	5.33	3.49	3.43
13	3.87	7.69	14.81	5.14	5.66	5.91	3.61	3.10	6.43	5.03	3.22	4.46
14	3.79	6.01	16.06	4.94	5.36	6.46	3.56	3.03	9.67	4.56	3.13	4.28
15	3.63	5.34	15.14	---	5.47	6.46	3.50	3.01	8.64	4.26	3.08	3.94
16	---	5.06	11.18	---	6.28	6.19	3.46	3.04	6.51	4.01	3.07	3.76
17	---	4.65	8.92	4.68	6.07	5.90	3.44	3.04	5.59	3.76	3.06	3.60
18	3.28	4.40	7.83	4.55	5.56	5.80	3.46	3.01	6.23	3.78	3.04	3.47
19	3.25	4.26	7.63	4.42	5.19	8.54	3.41	2.99	7.63	3.78	3.06	3.38
20	3.92	4.18	8.88	4.35	5.01	8.53	3.39	2.98	7.24	3.60	3.04	3.31
21	6.22	4.08	8.58	4.33	11.67	7.54	3.43	2.97	6.58	3.49	3.02	3.29
22	5.34	3.99	7.83	4.38	17.64	6.61	3.42	3.00	7.04	3.42	3.02	3.52
23	5.28	3.90	7.21	4.37	20.38	5.96	3.40	2.98	6.16	3.32	3.01	3.48
24	5.01	3.81	11.34	4.25	20.39	5.49	3.41	2.95	5.14	3.28	2.99	3.35
25	8.39	3.80	14.17	4.07	17.97	5.12	3.37	2.94	4.57	3.31	2.99	3.28
26	16.99	3.83	13.32	4.44	13.06	5.02	3.38	3.12	4.18	3.80	2.96	3.24
27	20.43	3.96	10.42	5.15	10.19	5.26	3.34	3.33	4.10	3.60	---	3.19
28	20.52	3.88	8.61	4.99	9.14	5.14	3.29	3.37	4.15	3.37	---	3.17
29	20.07	3.76	7.54	4.96	---	5.08	3.26	3.15	3.80	3.24	3.07	3.16
30	19.55	3.72	6.94	5.28	---	4.82	---	3.07	3.65	3.17	3.09	3.10
31	17.89	---	13.22	5.37	---	4.54	---	3.01	---	3.12	3.07	---
MAX	20.52	22.50	20.35	16.93	20.39	10.30	4.32	---	9.67	5.99	3.49	4.46
MIN	3.22	3.72	3.68	4.07	4.88	4.54	---	2.94	2.97	3.12	---	3.00

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 TEMPERATURE: 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 TEMPERATURE: 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 2002 TO SEPTEMBER 2003

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbid- ity, wat unf lab, Hach 2100AN NTU (99872)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)
NOV 20...	1400	80	--	8.6	7.0	456	16.9	31	9.80	1.50	4.20	79.0	61
JAN 31...	1115	--	--	8.3	6.5	411	11.7	--	--	--	--	--	69
MAR 20...	1135	120	--	7.9	5.9	62	18.8	13	4.10	0.72	1.20	6.7	16
MAY 22...	1100	70	--	--	6.8	1,010	25.0	34	11.0	1.50	4.50	98.0	--
JUL 23...	1125	--	--	--	6.4	479	27.5	38	12.0	1.90	4.50	83.0	68
SEP 25...	1150	200d	25	--	7.1	598	23.7	40	13.1	1.65	4.79	103	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)	Phos- phorus, water, unfltrd mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV 20...	16.0	<0.1	15.0	120	282	316	0.90	0.12	0.120	<0.01	0.050	0.09	--
JAN 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 20...	5.50	<0.1	7.80	7.00	43	55	0.80	0.03	0.090	0.01	0.040	0.06	--
MAY 22...	120	0.1	16.0	130	--	416	0.50	0.04	0.230	0.02	0.120	0.15	4.0
JUL 23...	18.0	<0.1	15.0	120	296	337	--	--	--	--	--	--	--
SEP 25...	48.7	<0.2	15.6	157	367	402	0.63	--	--	--	--	0.13	3.0

08028200 BAYOU ANACOCO NEAR KNIGHT, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep- tococci KF MF, col/ 100 mL (31673)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
NOV 20...	<2	32k	290	182
JAN 31...	103k	12k	--	--
MAR 20...	246	19,10k	183	19
MAY 22...	72	88	230	165
JUL 23...	26	443	284	272
SEP 25...	35	55	140	149

Remark codes used in this table:

< -- Less than

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Organic carbon, water, unfltrd mg/L (00680)	1,2-Di- phenyl- hydraz- ine, water, unfltrd ug/L (82626)	2,4,6- Tri- chloro- phenol, water, unfltrd ug/L (34621)	2,4-Di- chloro- phenol, water, unfltrd ug/L (34601)	2,4-Di- chloro- phenol, water, unfltrd ug/L (34606)	2,4-Di- nitro- phenol, water, unfltrd ug/L (34616)	2,4-Di- nitro- toluene water, unfltrd ug/L (34611)	2,6-Di- nitro- toluene water, unfltrd ug/L (34626)	2-Chloro- naphth- alene, water, unfltrd ug/L (34581)	2-Chloro- phenol, water, unfltrd ug/L (34586)	2-Methyl- 4,6-di- nitro- phenol, wat unf ug/L (34657)	2-nitro- phenol, water, unfltrd ug/L (34591)	3,3-Di' chloro- benzi- dine, water, unfltrd ug/L (34631)
NOV 20...	19.0	<1	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<0.9

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	4-Bromo- phenyl ether, unf ug/L (34636)	4-Chloro- 3-methyl- phenol, wat unf ug/L (34452)	4-Chloro- phenyl ether, unf ug/L (34641)	4-Nitro- phenol, water, unfltrd ug/L (34646)	9H-Fluor- ene, water, unfltrd ug/L (34381)	Ace-naphth- ene, water, unfltrd ug/L (34205)	Ace-naphth- ylene, water, unfltrd ug/L (34200)	Anthra- cene, water, unfltrd ug/L (34220)	Benzi- dine, water, unfltrd ug/L (39120)	Benzo- [a]- anthra- cene, water, unfltrd ug/L (34526)	Benzo- [a]- pyrene, water, unfltrd ug/L (34247)	Benzo- [b]- fluor- anthene water, unfltrd ug/L (34230)	Benzo- [g,h,i]- per- ylene, water, unfltrd ug/L (34521)
NOV 20...	<2	<3	<2	<4	<2	<2	<2	M	<1,000	<2	<1	<2	<2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Benzo- [k]- fluor- anthene water, unfltrd ug/L (34242)	Benzyl n-butyl phthal- ate, water, unfltrd ug/L (34292)	Bis(2-chloro- ethoxy) methane water, unfltrd ug/L (34278)	Bis(2-chloro- ethyl) ether, water, unfltrd ug/L (34273)	Bis(2-chloro- iso- propyl) ether, wat unf ug/L (34283)	Bis(2-ethyl- hexyl) phthal- ate, wat unf ug/L (39100)	Chrys- ene, water, unfltrd ug/L (34320)	Di-benzo- [a,h]- anthra- cene, wat unf ug/L (34556)	Di-ethyl phthal- ate, water, unfltrd ug/L (34336)	Di-methyl phthal- ate, water, unfltrd ug/L (34341)	Di-n- butyl phthal- ate, water, unfltrd ug/L (39110)	Di-n- octyl phthal- ate, water, unfltrd ug/L (34596)	Fluor- anthene water, unfltrd ug/L (34376)
NOV 20...	<1	<2	<3	<2	<2	<2	<3	<1	<2	<1	<2	<2	<2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Hexa- chloro- benzene water, unfltrd ug/L (39700)	Hexa- chloro- cyclo- penta- diene, wat unf ug/L (34386)	Indeno- [1,2,3-cd]- pyrene, water, unfltrd ug/L (34403)	Iso- phorone water, unfltrd ug/L (34408)	Nitro- benzene water, unfltrd ug/L (34447)	N-Nitroso- di-methyl- amine, wat unf ug/L (34438)	N-Nitroso- di-n-propyl- amine, wat unf ug/L (34428)	N-Nitroso- di-phenyl- amine, wat unf ug/L (34433)	Penta- chloro- phenol, water, unfltrd ug/L (39032)	Phenan- threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)	Pyrene, water, unfltrd ug/L (34469)	1,2,4- Tri- chloro- benzene water, unfltrd ug/L (34551)
NOV 20...	<2	<1	<3	<2	<1	<3	<2	<2	<2	<2	<3.0	<2	<2

08028200 BAYOU ANACOCO NEAR KNIGHT, LA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	1,3-Di- chloro- benzene water unfltrd ug/L (34566)	1,4-Di- chloro- benzene water unfltrd ug/L (34571)	Hexa- chloro- buta- diene, water, unfltrd ug/L (39702)	Hexa- chloro- ethane, water, unfltrd ug/L (34396)	Naphth- alene, water, unfltrd ug/L (34696)
NOV 20...	<2	<1	<1	<2	<2

Remark codes used in this table:

< -- Less than

M-- Presence verified, not quantified

RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
JAN 14...	1000	99,400	83	122	32,800
FEB 11...	1030	45,900	96	227	28,100
MAR 10...	1100	150,000	80	121	48,900
APR 08...	0930	69,700	83	108	20,300
MAY 16...	1300	40,400	97	79	8,630
JUN 11...	1130	22,500	99	112	6,760

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
OCT 22...	1100	454,000	87	201	247,000
NOV 15...	1100	520,000	78	239	336,000
DEC 10...	1000	380,000	84	149	152,000
JAN 07...	1100	846,000	66	234	509,000
FEB 04...	1030	320,000	92	170	147,000
MAR 08...	1100	1,220,000	59	310	1,020,000
APR 01...	1030	739,000	73	212	423,000
APR 19...	1030	597,000	77	226	364,000
MAY 07...	1030	613,000	73	193	319,000
JUN 03...	1100	1,160,000	58	200	627,000
JUL 22...	1100	609,000	84	248	407,000
AUG 05...	1100	554,000	74	171	256,000
SEP 17...	1030	602,000	80	257	418,000

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a special studies are presented following the partial-record tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 2003

Station name and number	Location and drainage area	Water Year 2003 maximum				Period of record maximum		
		Period of record	Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
RED RIVER BASIN								
Indian Creek at Shongaloo, La. (07348725)	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 159, and 0.8 mi southeast of Shongaloo. Drainage area is 33.1 mi ² .	1966-03	5-7-03	43.64	2,650	4-28-91	46.86	15,200
Rambin Bayou near Frierson, La. (07351670)	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.75 mi south of Frierson. Drainage area is 59.6 mi ² .	1966-03	12-23-02	11.76	4,930	5-21-83	15.15	13,600
Kepler Creek at Sparta, La. (07352400)	Lat 32°22'05", long 93°05'35", Red River Parish, at bridge on State Highway 507, and 0.8 mi west of Sparta. Drainage area is 21.1 mi ² .	1954-68, 1974-03	5-15-03	43.34	388	12-10-83	46.04	5,280
Grand Bayou near Coushatta, La. (07352800)	Lat 32°02'55", long 93°18'10", Bienville Parish, at bridge on State Highway 155, and 3.3 mi northeast of Coushatta. Drainage area is 93.9 mi ² .	1956-77, 1979-03	2-23-03	10.01	3,320	5-18-89	14.04	15,400
Kisatchie Bayou at Kisatchie, La. (07353990)	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117 and 0.6 mi north of Kisatchie. Drainage area is 37.3 mi ² .	1966-03	11-05-02	22.57	4,130	12-27-82	26.13	17,800
Sugar Creek near Arcadia, La. (07364870)	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi northeast of Arcadia. Drainage area is approximately 47 mi ² .	1966-03	5-15-03	46.44	5,840	4-29-91	48.34	15,000
Bayou Choudrant tributary near Tremont, La. (07366403)	Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi northwest of Tremont. Drainage area is 0.54 mi ² .	1966-03	5-15-03	7.64	179	5-05-89	12.49	1,280
Bayou Choudrant near Calhoun, La. (07366420)	Lat 32°32'35", long 92°22'50", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi northwest of Calhoun. Drainage area is 113 mi ² .	1966-03	5-15-03	44.07	4,740	12-27-82	48.50	26,800
Guyton Creek near Eros, La. (07367250)	Lat 32°25'25", long 92°21'30", Ouachita Parish, at culvert on State Highway 546, and 4.3 mi east of Eros. Drainage area is 8.76 mi ² .	1968-03	5-15-03	10.84	709	12-27-82	14.38	2,770
Bushley Creek at Manifest, La. (07369360)	Lat 31°42'50", long 91°57'10", Catahoula Parish, at bridge on State Highway 8, and 0.5 mi east of Manifest. Drainage area is 64.7 mi ² .	1984-03	11-5-02	38.76	4,380	11-16-87	42.94	15,500

See footnotes at end of table.

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 2003--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum			
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)	
RED RIVER BASIN--Continued									
Beaucoup Creek near Cotton Plant, La. (07370600)	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi west of Cotton Plant. Drainage area is 127 mi ² .	1951-68, 1974-03	2-22-03	11.22	4,540	12-28-82 4-23-95	13.93 13.82	17,200 17,300	
Brushy Creek near Joyce, La. (07372110)	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi southeast of Joyce. Drainage area is approximately 24 mi ² .	1965-03	2-22-03	43.41	1,300	11-16-87	47.77	16,000	
Hemphill Creek at Nebo, La. (07373250)	Lat 31°35'04", long 92°07'55", La Salle Parish, at bridge on State Highway 460, and 0.6 mi east of Nebo. Drainage area is 35.3 mi ² .	1956-63 1978-95† 1996-03	10-03-02	8.31	2,420	11-16-87	14.93	15,800	
MISSISSIPPI RIVER DELTA									
Abita River north of Abita Springs, La. (07375222)	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mi north of village of Abita Springs. Drainage area is 46.1 mi ² .	1966-03	7-01-03	24.17	4,810	4-12-95	25.37	6,000	
Terrys Creek near Kentwood, La. (07375307)	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.5 mi northeast of Kentwood. Drainage area is 52.0 mi ² .	1966-03	11-06-02	10.89	2,080	4-06-83 1-22-93	14.40 14.40	19,600 19,600	
Amite River at Grangeville, La. (07377150)	Lat 30°44'10", long 90°50'30", East Feliciana-St. Helena Parish line, at bridge on State Highway 37, and 0.5mi southwest of Grangeville. Drainage area is 741 mi ² .	1951-63, 1964-82, 1993-03	02-22-03	28.00	(*)	4-14-55	46.47	63,800	
Sandy Creek near Pride, La. (07377210)	Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carson Road, 0.8 mi east of intersection of Carson Road with State Highway 409, and 1.9 mi southeast of Pride. Drainage area is 69.9 mi ² .	1976-03	2-23-03	^a 90.36	4,770	4-06-83	^a 94.13	11,800	
Beaver Creek at Peairs Road SE of Milldale, La. (07377233)	Lat 30°38'30", long 91°01'58", East Baton Rouge Parish, at bridge on Peairs Road, 2.3 mi east from junction of State Hwy. 64 and Peairs Road. Drainage area is 8.16 mi ² .	1995-03	2-21-03	89.92	(*)	12-18-95	90.29	(*)	
Little Sandy Creek near Greenwell Springs, La. (07377240)	Lat 30°37'36", long 90°59'20", East Baton Rouge Parish, at bridge on State Highway 409, 3.4 mi north of the village of Greenwell Springs. Drainage area is 28.2 mi ² .	1974-85† 1986-94 ^b , 1995-03	2-22-03 4-08-03	^a 65.97 ^a 65.02	(*) (*)	4-06-83	76.69	12,500	
Amite River at Magnolia, La. (07377300)	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mi east of Magnolia. Drainage area is 884 mi ² .	1949-82 1993-03†	2-04-03	46.75	44,000	4-23-77	51.91	85,100	
Cypress Bayou at Hooper Road, near Baton Rouge, La. (07377920)	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-92 ^b , 1993-03	2-21-03	48.86	(*)	4-07-83	56.42	(*)	
Blackwater Bayou near Baton Rouge, La. (07377940)	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi northeast of Baton Rouge Post Office. Drainage area is 14.1 mi ² .	1962-94 ^b 1995-03	2-21-03	^a 47.26	(*)	4-07-83	56.20	(*)	
Beaver Bayou at Wax Road near Baton Rouge, La. (07378100)	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 mi northeast of Baton Rouge Post Office. Drainage area is 9.49 mi ² .	1972-03	2-21-03 4-08-03	52.05 52.55	(*) (*)	6-28-89	59.54	(*)	
Jones Creek at Old Hammond Highway, near Baton Rouge, La. (07378650)	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi east of Baton Rouge Post Office. Datum of gage prior to Oct. 1, 1995, 0.43 ft higher. Drainage area is 14.7 mi ² .	1962-95 ^b , 1996-03	10-03-02 2-21-03	^a 32.58 ^a 30.86	(*)	6-18-99	34.44	3,310	

See footnotes at end of table.

Annual Maximum Discharge at Crest-Stage Partial-Record Stations During Water Year 2003--Continued

Station name and number	Location and drainage area	Water year 2003 maximum				Period of record maximum		
		Period of record	Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued								
Ward Creek at Essen Lane, near Baton Rouge, La. (07379050)	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge, 5.7 mi southeast of Baton Rouge Post Office. Datum of gage, prior to Aug. 8, 1995, 1.30 ft higher. Drainage area is not determined.	1963-70 ^b , 1975-92 ^b , 1993-03†	4-8-03	21.29	(*)	5-06-89	29.99	(*)
North Branch Ward Creek at Goodwood Boulevard at Baton Rouge, La (07379090)	Lat 30°26'34", long 91°05'27", East Baton Rouge Parish, at bridge 5.5 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1968-92 ^b , 1993-03	10-03-02 4-07-03 9-13-03	37.27 36.53 37.80	(*) (*) (*)	8-1-75	40.91	(*)
North Branch Ward Creek at Old Hammond Hwy. at Baton Rouge, La. (07379095)	Lat 30°25'50", long 91°05'11", East Baton Rouge Parish, at bridge on Old Hammond Hwy., 0.3 mi west of Airline Hwy (Hwy 61). Drainage area is not determined.	1995-03	10-03-02 4-07-03 9-13-03	32.33 32.31 32.16	(*) (*) (*)	4-11-95	36.86	(*)
North Branch Ward Creek at Jefferson Hwy. at Baton Rouge, La. (07379100)	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Post Office. Datum of gage, prior to June 15, 1995, 0.35 ft higher. Drainage area is not determined.	1962-95 ^b , 1996-03†	10-03-02 4-07-03 9-13-03	23.93 24.68 22.08	(*) (*) (*)	6-28-89	32.14	(*)
MERMENTAU RIVER BASIN								
Castor Creek near Oberlin, La. (08011800)	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi upstream from Mulberry Creek, and 8.5 mi east of Oberlin. Drainage area is 43.9 mi ² .	1964-03	11-06-02	48.85	(*)	9-20-79	49.93	8,560
CALCASIEU RIVER BASIN								
Whisky Chitto Creek tributary near Leesville, La. (08013610)	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, and 3.2 mi upstream from mouth. Drainage area is 0.32 mi ² .	1966-03	12-04-02	8.15	274	3-07-95	11.82	690
Dry Creek at Dry Creek, La. (08015200)	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi south of Dry Creek. Drainage area is 42.7 mi ² .	1954-68, 1975-03	10-30-02	23.69	5,500	12-22-95	26.51	12,400
SABINE RIVER BASIN								
Bayou Scie at Zwolle, La. (08024030)	Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi east of Zwolle. Drainage area is 45.9 mi ² .	1950-68, 1974-03	2-22-03	14.11	7,270	5-18-89	17.90	22,400
Pearl Creek at State Highway 111, at Burr Ferry, La. (08025850)	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge on State Highway 111, and 0.8 mi northeast of Burr Ferry. Drainage area is 9.66 mi ² .	1967-03	2-21-03	9.06	874	2-13-84 11-29-01	12.78 13.15	3,300 3,100

† Operated as a continuous-record gaging station.

* Discharge not determined.

a Elevation; sea level.

b Operated as a flood profile gage.

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 2003

Station name and number	Location and drainage area	Water Year 2003 maximum			Period of record maximum	
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	Elevation in ft (NGVD 1929)
PEARL RIVER BASIN						
Bogue Chitto at Enon, La. (02491800)	Lat 30°43'10", long 90°05'00", Washington Parish, at bridge on State Highway 437, and 0.5 mi south of Enon. Drainage area is 1,107 mi ² .	1950-63, 1973-03	2-25-03	104.07	4-08-83	124.80
Gum Bayou at St. Hwy. 11 nr Slidell, La. (02492648)	Lat 30°20'40", long 89°45'25", St. Tammany Parish, at bridge on State Highway 11, 2.7 miles north of its intersection with I-12. Drainage area is approximately 17.9 mi ² .	1998-03	7-01-03	^a 26.31	6-11-01	^a 27.48
Gum Bayou at Davis Landing Rd. nr Slidell, La. (02492649)	Lat 30°19'03", long 89°43'40", St. Tammany Parish, at bridge on Davis Landing Road, approximately 0.2 mi east of intersection with North Military Road.	1998-2000, 2001-2002†, 2003	7-01-03	8.75	6-11-01	^a 9.61
W-15 Canal at St. Hwy. 11 nr Slidell, La. (02492660)	Lat 30°20'20", long 89°45'31", St. Tammany Parish, at bridge on Highway 11, 2.3 miles north of its intersection with I-12. Drainage area is indeterminate.	1998-02†, 2003	7-01-03	^a 27.64	7-01-03	^a 27.64
W-15 Canal at St. Hwy. 190 Slidell, La. (02492664)	Lat 30°17'17", long 89°43'56", St. Tammany Parish, at bridge on State Highway 190 (Gausse Blvd.), 1.14 miles east of its intersection with I-10. Drainage area is indeterminate.	1998-02†, 2003	7-01-03	^a 10.60	6-11-01	^a 11.90
W-15 Canal at I-10 Service Rd. at Slidell, La. (02492665)	Lat 30°17'31", long 89°43'48", St. Tammany Parish, at bridge approximately 0.5 miles north of intersection with Gause Blvd. Drainage area is indeterminate.	1999-02†, 2003	2003	b	6-11-01	^a 15.12
RED RIVER BASIN						
Cross Bayou west of Greenwood, La. (07344425)	Lat 32°27'21", long 94°00'52", Caddo Parish, at bridge on U.S. HWY 80, 2.4 mi west of intersection with State Highway 169. Drainage area is 26.30 mi ² .	1999-03† ^c	2-22-03	^d 13.58	4-05-99	^d 16.18
Bullard Creek near Jonesville, Tx. (07344445)	Lat 32°31'22", long 94°07'18", Harrison County, at culvert on F.M. Road 134, 5.5 mi north of Wascom. Drainage area undetermined.	2000-03† ^c	2-22-03	^d 3.43	5-04-00	^d 6.38
Paw Paw Bayou near Greenwood, La. (07344450)	Lat 32°31'00", long 93°58'20", Caddo Parish, at bridge on State Highway 169 5.1 miles north of Greenwood. Drainage area 80.5 mi ² ^c	1955-86† 1999-03† ^c	2-22-03	181.66	6-27-86	186.32
Shettleworth Bayou near Blanchard, La. (07344460)	Lat 32°34'00", long 93°56'25", Caddo Parish, at bridge on Blanchard-Furrrh road, 3.1 mi west of Blanchard, La. Drainage area 19.5 mi ² .	1999-03† ^c	2-22-03	^d 11.69	4-05-99	^d 14.30
Jims Bayou near Kildare, Tx. (07346120)	Lat 32°53'09", long 94°10'58", Harrison County, at bridge on State Highway 43 1.6 mi south of Kildare Junction, Tx. Drainage area undetermined.	2000-03† ^c	2-22-03	^d 9.57	2-17-01	^d 11.21
McCain Creek near Blanchard, La. (07348098)	Lat 32°36'08", long 93°35'13", Caddo Parish, at bridge on State Highway 538, 0.5 mile east of State Highway 1. Drainage area undetermined.	2000-03† ^c	2-22-03	^d 9.17	12-17-01	^d 12.74
Cypress Bayou near Plain Dealing, La. (07349775)	Lat 32°50'56", long 93°38'53", Bossier Parish, at bridge on State Highway 157, 4.5 mi south of State Highway 2. Drainage area approx. 30.2 mi ² .	2000-03† ^c	12-19-02	^a 225.89	12-19-02	^a 225.89

See footnotes at end of table.

Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 2003--Continued

Station name and number	Location and drainage area	Water year 2003 maximum		Period of record maximum		
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	Elevation in ft (NGVD 1929)
RED RIVER BASIN--Continued						
Bayou Pierre at Shreveport, La. (07350700)	Lat 32°27'20", long 93°44'06", Caddo Parish, at bridge on East 70th Street, 1.5 mi east of Interstate 49. Drainage area approx. 14.2 mi ² .	2000-03† ^c	2-22-03	^a 148.50	5-04-00	^a 152.14
Sand Beach Bayou at Shreveport, La. (07350820)	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi southeast of Shreveport city hall. Drainage area undetermined.	1963-03	2003	<149.59	5-07-78	163.00
Boggy Bayou north of Spring Ridge, La. (07350985)	Lat 32°21'24", long 93°56'45", Caddo Parish, at bridge on State Highway 169, 3.2 mi north of Spring Ridge, La Drainage area undetermined.	2000-03† ^c	2-22-03	^a 213.36	5-04-00	^a 213.66
Brush Bayou at Shreveport, La. (07351200)	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railway Company railroad bridge, and 4.9 mi southwest of Shreveport city hall. Drainage area is 3.4 mi ² .	1960-03	2003	<180.64	5-08-78	188.99
Gilmer Bayou near Shreveport, La. (07351275)	Lat 32°24'49", long 93°53'39, Caddo Parish, at culvert on State Highway 526, 2.2 mi west of U.S.Highway 171. Drainage area undetermined.	2000-03† ^c	4-06-03	199.89	5-04-00	202.08
Brush Bayou near Shreveport, La. (07351300)	Lat 32°23'25", long 93°46'15, Caddo Parish, at bridge on State Highway 526, and 2.5 mi south of Shreveport. Drainage area is 27.1 mi ² .	1960-03	3-18-03	156.43	4-12-91	166.33
Bayou Pierre at Powhatan, La. (07351755)	Lat 31°51'37", long 93°12'22", Natchitoches Parish, at bridge on State Highway 485, 1.0 mi southwest of Powhatan, and 11.8 mi upstream from mouth. Drainage area is 879 mi ² .	1981-85†, 1986-03† ^c	2-25-03	108.67	5-18-90	118.28
Bayou Rapides near Alexandria, La. (07355475)	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on Parish Road 1202, 12.2 mi upstream from mouth, and 6.9 mi west of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-03	11-05-02	79.84	1979	81.91
Bayou Bartholomew northwest of Jones, La. (07364203)	Lat 32°58'55", long 91°42'00", More- house Parish, on right bank, 3.2 mi northwest of Jones. Drainage area is approximately 1,190 mi ² .	1973-85†, 1986-03† ^c	3-11-03	101.53	5-05-91	107.56
Ouachita River at Sterlington, La. (07364535)	Lat 32°41'46", long 92°05'12", Ouachita-Union Parish line, on bridge on State Highway 2 at Sterlington. Drainage area is 12,953 mi ² .	1979-03†	3-10-03	71.58	5-07-73	85.65
Bayou D'Arbonne below dam, near Downsville, La. (07366365)	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downsville. Drainage area is 1,607 mi ² .	1978-03	2-26-03	71.43	4-30-91	86.33
Black Bayou at West Monroe, La. (07367030)	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit, at West Monroe. Drainage area is not determined.	1978-03	6-17-03	37.30	4-29-91	43.10
Youngs Bayou at Monroe, La. (07369016)	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S.Highway 165, and 0.3 mi south of junction with Interstate 20 at Monroe. Drainage area is not determined.	1978-03	5-15-03	66.73	5-05-89	68.16
Youngs Bayou near Monroe, La. (07369024)	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi southeast of Monroe. Drainage area is not determined.	1978-03	2-21-03	62.49	5-05-91	65.58
Bayou Lafourche near Alto, La. (07369050)	Lat 32°23'50", long 91°59'40", Ouachita- Richland Parish line at bridge on State Highway 15, and 8.0 mi west of Alto. Drainage area is not determined.	1973-85†, 1986-03† ^c	2-27-03	59.96	4-23-47	63.80
Tensas River southeast of Tendal, La. (07369515)	Lat 32°23'17", long 91°20'05", Madison Parish, on right bank 3.5 mi southeast of Tendal. Drainage area is not determined.	1975-85†, 1986-03† ^c	4-10-03	70.06	5-05-91	74.42
Little River at Rochelle, La. (07372190)	Lat 31°47'35", long 92°21'42", Grant- La Salle Parish line, at bridge on U.S.Highway 165, at Rochelle. Drainage area is 1,892 mi ² .	1938-46† ^e , 1948-57† ^e , 1958-73† ^c , 1974-85†, 1986-03† ^c	2-25-03	^f 64.14	4-25-95	72.17

See footnotes at end of table.

Station name and number	Location and drainage area	Water year 2003 maximum			Period of record maximum	
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	Elevation in ft (NGVD 1929)
BAYOU BATON ROUGE BASIN						
Bayou Baton Rouge above Baker, La. (07373900)	Lat 30°37'17", long 91°12'20", East Baton Rouge Parish, at bridge on Carney Road, approximately 3.4 mi northwest of Baker and 1.8 mi upstream of Baker Canal. Drainage area is 13.7 sq.mi.	2003	9-12-03	^d 11.38	4-7-83	22.96
Cypress Bayou (head of Baker Canal) near Zachary, La. (07373960)	Lat 30°36'45", long 91°10'15", East Baton Rouge Parish, at bridge on Heck Young, Road, approximately 2.8 mi south southwest of Zachary and 1.8 mi upstream of Baker Canal. Drainage area is not determined.	2003	9-02-03	^d 10.06	4-7-83	22.96
South Canal near Baker, La. (07373965)	Lat 30°37'00", long 91°08'56", East Baton Rouge Parish, at bridge on McHugh Road, 1.4 mi upstream from Cypress Bayou, and 2.3 mi northeast of Baker. Drainage area is not determined.	1972-82†, 1983-87 ^g , 1988-03	2-21-03	76.73	4-15-67	79.52
Baker Canal near Baker, La. (07373980)	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on Highway 61, 2.7 mi southwest of Baker. Drainage area is not determined.	1963-70, 1995-03	2003	<56.86	4-28-62	65.22
MONTE SANO BAYOU BASIN						
Monte Sano Bayou at Metro Airport at Baton Rouge, La. (07373993)	Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on Bessie Coleman Dr. 6.1 mi north of Baton Rouge Post Office. Drainage area is not determined.	1975-03	11-06-02 2-21-03	55.71 55.81	11-25-79	59.33
Monte Sano Bayou at Baton Rouge, La. (07373996)	Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S.Highway 61, 1.8 mi upstream from mouth and 3.7 mi north of Baton Rouge Post Office. Drainage area is not determined.	1975-94 ^h , 1995-03 ^g	11-06-02 2-21-03	35.56 34.11	4-22-79	46.83 (*)
MISSISSIPPI RIVER DELTA						
W-14 Canal at Brownswitch Road at Slidell, La. (07374571)	Lat 30°18'39", long 89°46'04", St. Tammany Parish, at bridge approximately 2.6 miles WNW of Slidell City Hall. Drainage area is indeterminate.	1998-03	7-01-03	^a 16.19	6-11-01	17.70
W-14 Canal at Daney St. at Slidell, La. (07374572)	Lat 30°16'12", long 89°46'13", St. Tammany Parish, at bridge approximately 0.8 miles due west of the intersection of I-10 and U.S. Highway 190 Business Route. Drainage area is not determined.	1998-03	7-01-03	^a 6.52	6-11-01	8.30
Bayou Vincent at Browns Village Road at Slidell, (07374576)	Lat 30°18'49", long 89°46'44", St. Tammany Parish, at bridge, 0.6 miles west of intersection with State Hwy. 11. Drainage area is not determined.	1998-03	ⁱ 8-05-02 10-03-02	^a 13.34 ^a 13.22	6-11-01	^a 15.82
Bayou Liberty nr Belair Blvd. nr Slidell, La. (073745803)	Lat 30°20'09", long 89°50'27", St. Tammany Parish, at path extending from Belair Boulevard near Belair Subdivision, approximately 0.5 miles past the end of Belair Boulevard. Drainage are is not determined.	2001-03	10-03-02 7-01-03	^a 16.05 ^a 17.37	6-11-01	^a 17.67
Bayou Liberty at Scenic Dr. nr Slidell, La. (073745805)	Lat 30°19'06", long 89°50'08", St. Tammany Parish, at bridge, approximately 200 yards past the end of Scenic Dr. Drainage area is not determined.	2001-03	10-03-02 7-01-03	^a 11.14 ^a 12.71	6-11-01	^a 13.45
Bayou Liberty nr Landis Rd nr Slidell, La. (073745807)	Lat 30°18'39", long 89°50'00", St. Tammany Parish, at boat dock on property located at 34130 Landis Rd. Drainage area is not determined.	2001-03	10-03-02 7-01-03	^a 8.32 ^a 9.96	6-11-01	^a 10.51
Bayou Liberty nr Slidell, La. (07374581)	Lat 30°18'04", long 89°49'50", St. Tammany Parish, at bridge on St. Tammany Trace Bike Path, approximately 3.4 miles west, northwest of Slidell City Hall. Drainage area is indeterminate.	1998-03†	10-03-02 7-01-03	^a 6.37 ^a 7.33	7-01-03	^a 7.33
Bayou Liberty nr Dubuissou Rd. nr Slidell, La. (073745813)	Lat 30°16'46", long 89°49'24", St. Tammany Parish, at boat dock on property located at 34695 Dubuissou Rd. Drainage area is not determined.	2001-03	10-03-02 7-01-03	^a 5.12 ^a 5.03	9-26-02	^a 6.56

See footnotes at end of table.

Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 2003--Continued

Station name and number	Location and drainage area	Water year 2003 maximum		Period of record maximum		Elevation in ft (NGVD 1929)
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	
MISSISSIPPI RIVER DELTA--Continued						
Bayou Liberty at St. Hwy. 433 nr Slidell, La. (073745815)	Lat 30°16'07", long 89°50'40", St. Tammany Parish, at pontoon bridge on St. Hwy. 433. Drainage area is not determined.	2001-03	10-03-02 7-01-03	^a 5.01 ^a 4.76	9-26-02	^a 6.49
Bayou Liberty at Bonfouca Marina nr Slidell, La. (073745817)	Lat 30°16'07", long 89°50'40", St. Tammany Parish, at boat slip #76 in Bonfouca Marina. Drainage area is not determined.	2001-03	10-03-02 7-01-03	^a 4.97 ^a 4.77	10-03-02	^a 4.97
I-10 Drainage Canal nr Little Woods, La. (3004510895507)	Lat 30°04'51", long 89°55'07", Orleans Parish, at bridge on I-10 East north of the Michoud Blvd. overpass. Drainage area is indeterminate.	2001-03	10-04-02	^a 0.75	6-13-01	^a 1.42
Bayou Lacombe nr Lacombe, La. (07374585)	Lat 30°21'54", long 89°55'20", St. Tammany Parish, at bridge on Krentel Road, 6.27 miles due west of Slidell airport.	1998-03	7-01-03	^a 17.74	6-11-01	^a 18.71
Bayou Chinchuba nr Mandeville, La. (07374595)	Lat 30°23'35", long 90°03'02", St. Tammany Parish, at bridge on St. Tammany Trace Bike Path, approximately 2.2 miles northeast of Mandeville City Hall. Drainage area is not determined.	1998-03	10-04-02	^a 19.12	10-04-02	^a 19.12
Bayou Chinchuba at St. Hwy. 190 nr Mandeville, La. (07374598)	Lat 30°22'46", long 90°05'28", St. Tammany Parish, at bridge on south- bound lane of State Highway 190, approximately 3.1 miles south of intersection with I-12. Drainage area is not determined.	1998-03	10-04-02	^a 7.23	1-07-98	^a 10.08
Tchefuncte River at St. Hwy. 21 nr Covington, La. (07375060)	Lat 30°27'50", long 90°07'04", St. Tammany Parish, at bridge on State Highway 21, 0.7 mile north of I-12. Drainage area is not determined.	1998-03	4-08-03	^a 13.61	4-08-03	^a 13.61
Bogue Falaya at Folsom, La. (07375085)	Lat 30°37'42", long 90°10'16", St. Tammany Parish, at bridge on State Highway 40, and 1.0 miles east of Folsom. Drainage area is indeterminate.	1999-02†, 2003	12-25-02 7-01-03	92.31 87.68	9-26-02	93.41
Bogue Falaya at Lee Road at Covington, La. (07375170)	Lat 30°29'58", long 90°05'04", St. Tammany Parish, at bridge 1.19 miles east of intersection with U.S. Hwy. 190. Drainage area is not determined.	1998-02	12-25-02 7-01-03	^a 16.49 ^f 24.20	7-01-03	^f 24.20
Abita River at Keen Road near Abita Springs, La. (07375218)	Lat 30°29'53", long 89°58'40", St. Tammany Parish, at bridge on Keen Road, 0.2 miles from its intersection with State Highway 435. Drainage area is not determined.	1997-03	7-01-03	^a 36.23	6-11-01	^a 36.98
Abita River at U.S. Hwy. 190 nr Covington, La. (07375223)	Lat 30°27'36", long 90°04'57", St. Tammany Parish, at bridge 1.96 miles north of intersection with I-12 at Covington. Drainage area is not determined.	1997-03	7-01-03	^a 11.92	6-11-01	^a 12.55
Ponchitolawa Creek at St. Hwy. 190 near Mandeville, La. (07375227)	Lat 30°25'26", long 90°05'07", St. Tammany Parish, at bridge on service road near southbound lane of Hwy. 190 and approximately 0.14 miles north of intersection with Fairway Dr. Drainage area is not determined.	1998-03	7-01-03	^a 7.72	9-26-02	^a 8.00
Bayou Tete L'ours nr Mandeville, La. (07375228)	Lat 30°24'16", long 90°04'07", St. Tammany Parish, at bridge on Evangeline Dr., 2.3 miles northwest of Mandeville City Hall. Drainage area is not determined.	1998-03	7-01-03	^a 11.26	7-01-03	^a 11.26
Little Sandy Creek near Milldale, La. (07377215)	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi north of Milldale. Drainage area is not determined.	1975-96, 1997 ^g , 1998-03	2-22-03 4-08-03	111.65 111.99	2-25-97	115.56
Little Sandy Creek SE of Milldale, La. (07377230)	Lat 30°38'36", long 91°01'26", East Baton Rouge Parish, at bridge on Peairs Rd, 2.0 mi west from inter- section of Liberty and Peairs Rd. Drainage area is not determined.	1995-03† ^c	2-22-03 4-08-03	74.26 73.66	12-18-95	74.72

See footnotes at end of table.

Station name and number	Location and drainage area	Water year 2003 maximum			Period of record maximum	
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	Elevation in ft (NGVD 1929)
MISSISSIPPI RIVER DELTA--Continued						
Sandy Creek near Greenwell Springs, La. (07377250)	Lat 30°36'08", long 90°59'57", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La. Drainage area is not determined.	1982-03†	2-23-03	57.19	1-26-90	62.20
Comite River at Zachary, La. (07377750)	Lat 30°38'36", long 91°05'40", East Baton Rouge Parish, at bridge on State Highway 64, about 4.0 miles east of Zachary. Drainage area is not determined.	1999-03† ^c	1-24-03 2-22-03	^j ^a 77.59	2-22-03	^a 77.59
Comite River near Milldale, La. (07377600)	Lat 30°42'11", long 91°03'08", East Baton Rouge Parish, at bridge on Port Hudson- Pride Road, approximately 2.6 miles east	1999-03† ^c	1-24-03 2-22-03	23.61 22.43	1-24-03	23.61
Comite River near Baker, La. (07377754)	Lat 30°35'46", long 91°05'39", East Baton Rouge Parish, at bridge on Dyer Road, 3 miles northeast of Baker. Drainage area is not determined.	1999-03† ^c	1-24-03 2-22-03	^j ^a 65.29	222-03	^a 65.29
White Bayou East Diversion Channel near Baton Rouge, La. (07377755)	Lat 30°37'00", long 91°06'55", East Baton Rouge Parish at bridge on U.S. Highway 67 (Plank Road) 12.2 mi north of Baton Rouge, and 6.5 mi northeast of terminal building at Metro Airport at Baton Rouge. Drainage area is not determined.	1972-84†, 1986-87 ^g , 1988-03	2-21-03	76.80	12-24-71	79.48
Comite River near Baton Rouge, La. (07377760)	Lat 30°33'24", long 91°05'54", East Baton Rouge Parish, at bridge on Comite Drive, approximately 2.2 miles east of intersection with Plank Rd. Drainage area is not determined.	2002-03† ^c	1-24-03 2-23-03	^j ^a 56.71	2-23-03	^a 56.71
White Bayou at State Highway 64, near Zachary, La. (07377780)	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 mi east of Zachary. Drainage area is not determined.	1962-75, 1977-96, 1997-03† ^c	2-22-03	^k 90.01	4-07-83	92.24
White Bayou near Baton Rouge, La. (07377840)	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-03	2-21-03	66.31	4-07-83	73.23
White Bayou near Baker, La. (07377842)	Lat 30°34'45", long 91°07'18", East Baton Rouge Parish at bridge on Pettit Road, and 2.9 mi east of City of Baker. Drainage area is not determined.	1972-84†, 1986-87 ^g , 1988-03	2-21-03	^d 13.21	4-23-77	17.25
Comite River near Baton Rouge, La. (07377870)	Lat 30°31'50", long 91°05'37", East Baton Rouge Parish, at bridge on Hooper Road, 7.6 miles northeast of Baton Rouge Post Office. Drainage area is not determined.	2002-03† ^c	1-24-03 2-23-03	^j ^a 51.41	2-23-03	^a 51.41
Cypress Bayou at Baker, La. (07377890)	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mi east of State Highway 19 at Baker. Drainage area is not determined.	1967-69, 1971-03	2003	<65.22	4-17-67	69.56
Cypress Bayou at Plank Road, near Baton Rouge, La. (07377900)	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-65, 1967-03	2-21-03	49.32	4-14-67	59.27
Blackwater Bayou near Fred, La. (07377933)	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, 3.8 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1975-03	2-21-03	72.40	4-12-95	73.44
Hurricane Creek at Baton Rouge, La. (07378008)	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1967-03	2-21-03	44.01	4-07-83	51.13
Hurricane Creek near Baton Rouge, La. (07378010)	Lat 30°29'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-03	2-21-03	42.74	5-18-53	51.30

See footnotes at end of table.

Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 2003--Continued

Station name and number	Location and drainage area	Water year 2003 maximum		Period of record maximum		
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	Elevation in ft (NGVD 1929)
MISSISSIPPI RIVER DELTA--Continued						
Roberts Canal at Baton Rouge, La. (07378015)	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silverleaf Ave., 5.3 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1967-03	2-21-03	47.95	4-17-67	55.35
Roberts Canal near Baton Rouge, La. (07378020)	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1962-03	2-21-03	43.86	4-07-83	51.10
Comite River at Greenwell Springs Road, near Baton Rouge, La. (07378050)	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge 9.4 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1981-88†, 1989-03† ^c	2-23-03	41.72	4-7-83	49.42
Beaver Bayou at Denham Road near Baton Rouge, La. (07378075)	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1972-03	2-21-03 4-08-03	68.14 67.52	6-7-01	71.20
Beaver Bayou at Hooper Road near Baton Rouge, La. (07378083)	Lat 30°33'39", long 91°01'15", East Baton Rouge Parish, at box culvert on State Highway 408, 8.6 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1982-96†, 1997-03† ^c	2-21-03 4-08-03	60.28 60.16	4-11-95	62.47
Jones Creek at Airline Highway, at Baton Rouge, La. (07378595)	Lat 30°27'52", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 mi northeast of Baton Rouge Post Office. Drainage area is not determined.	1967-03	10-03-02 2-21-03	46.12 45.26	9-06-77	49.81
Jones Creek at Florida Boulevard, at Baton Rouge, La. (07378600)	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 mi east of Baton Rouge Post Office. Drainage area is not determined.	1962-03	10-03-02 2-21-03	42.24 40.67	4-14-67	45.69
Lively Bayou northeast of Baton Rouge, La. (07378635)	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi east of Baton Rouge Post Office. Drainage area is not determined.	1967-03	4-08-03	38.90	4-14-67	44.58
Lively Bayou east of Baton Rouge, La. (07378640)	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi east of Baton Rouge Post Office. Drainage area is not determined.	1967-03	4-08-03	37.74	8-02-83	42.03
Lively Bayou southeast of Baton Rouge, La. (07378645)	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.8 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1967-03	4-08-03	33.98	9-06-77	39.68
Weiner Creek at S. Sherwood Forest Blvd., at Baton Rouge, La. (07378675)	Lat 30°25'11", long 91°03'05", East Baton Rouge Parish, at bridge 0.1 miles from Newcastle Drive. Drainage area is not determined.	1999-03	10-03-02	33.94	5-05-00	34.86
Jones Creek near Woodlawn School, near Baton Rouge, La. (07378700)	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Road 1.6 mi north of Woodlawn School, and 10.5 mi east of Baton Rouge Post Office. Drainage area is 19.5 mi ² .	1967-93 ^h , 1994-00 ^g 2001-03	10-03-02 2-21-03	21.28 25.80	4-23-77	32.00(*)
Clay Cut Bayou at Siegen Lane near Baton Rouge, La. (07378720)	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1967-03	2-21-03 4-08-03	22.26 24.61	4-13-69	29.98
Clay Cut Bayou at Antioch Road near Baton Rouge, La. (07378722)	Lat 30°23'12", long 91°00'26", East Baton Rouge Parish, at bridge on Antioch Road, 0.25 mi from Tiger Bend Road. Drainage area is not determined.	1995-98 ^g 1999-03	2003	b	4-30-97	20.71
Clay Cut Bayou near Hope Villa, La. (07378725)	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 mi northeast of Hope Villa. Drainage area is not determined.	1967-03	2-21-03 4-08-03	20.10 15.57	6-28-89	26.26

See footnotes at end of table.

Station name and number	Location and drainage area	Water year 2003 maximum			Period of record maximum	
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	Elevation in ft (NGVD 1929)
MISSISSIPPI RIVER DELTA--Continued						
Bluff Swamp nr Kleinpeter, La. (07378748)	Lat 30°19'24", long 90°01'05", Ascension Parish, at lock on Alligator Bayou Rd, 3.8 mi northwest of Prairieville Post Office. Drainage area is 6.60 mi ² . (Formerly published as 07380095 Bluff Swamp nr Prairieville.)	1998-03† ^c	11-12-02	^a 6.02	6-15-01	^a 10.12
Bayou Fountain at Lee Drive at Baton Rouge, La. (07378778)	Lat 30°23'32", long 91°09'40", East Baton Rouge Parish, at bridge on Lee Drive, 2.0 miles from intersection of Lee Drive and Perkins Road. Drainage area is not determined.	2000-03	4-08-03	^d 13.29	6-11-01	^d 14.43
Bayou Fountain at Gardere Lane, near Baton Rouge, La. (07378800)	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1962-66, 1969-92 ^h , 1993-98 ^g , 1999-03	4-08-03	11.97	7-01-89	17.58
Bayou Fountain at Bluebonnet Blvd., near Baton Rouge, La. (07378810)	Lat 30°21'01", long 91°06'29", East Baton Rouge Parish, at bridge on Bluebonnet Blvd., 0.25 mi southwest of Highland Rd. Drainage area is not determined.	1995-98 ^h , 1999-03	4-08-03	11.30	6-11-01	15.78
Bayou Fountain at Burbank Dr. near Baton Rouge, La. (07378815)	Lat 30°20'60", long 91°05'01", East Baton Rouge Parish, at first bridge south of intersection of Highland Rd. and Siegen Lane. Drainage area is not determined.	2000-03	4-08-03	^d 11.11	6-11-01	^d 17.88
Ward Creek at Government Street, at Baton Rouge, La. (07379000)	Lat 30°20'20", long 91°08'35", East Baton Rouge Parish, on downstream end of culvert on Government Street, and 2.4 mi east of Baton Rouge Post Office. Drainage area is 4.04 mi ² .	1954-67†, 1969-73† ^c , 1975-03† ^c	2-21-03 4-07-03	40.38 39.05	9-26-57	45.28
Ward Creek at College Drive, at Baton Rouge, La. (07379010)	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1970-03	2-21-03 4-08-03	<32.72 35.33	3-06-96	41.84
Ward Creek at Bluebonnet Rd. at Baton Rouge, La. (07379060)	Lat 30°23'38", long 91°05'14", East Baton Rouge Parish, at bridge on Bluebonnet Road 200 ft from I-10. Drainage area is not determined.	2000-03	2-21-03 4-08-03	11.28 12.75	6-7-01	18.42
Old Ward Creek Diversion at Highland Road near Baton Rouge, La. (07379075)	Lat 30°21'18", long 91°00'54", East Baton Rouge Parish, on bridge 0.75 miles southeast of intersection with Airline Highway. Drainage area is not determined.	1999-03	4-08-03	^a 12.63	6-7-01	^a 16.26
Dawson Creek at Perkins Road at Baton Rouge, La. (07379400)	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, at bridge, 4.1 mi southeast of Baton Rouge Post Office. Drainage area is not determined.	1962-03	10-03-02 4-08-03	^d 18.84 ^d 14.79	4-14-67	^d 23.83
Corporation Canal at Oklahoma Street, at Baton Rouge, La. (07379502)	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mi south of Baton Rouge Post Office. Drainage area is 0.56 mi ² .	1971-03	10-29-02 2-21-03 4-07-03	23.49 23.48 23.79	3-24-73	28.71
Corporation Canal at East Roosevelt Street, at Baton Rouge, La. (07379503)	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 mi southeast of Baton Rouge Post Office. Drainage area is approximately 1.31 mi ² .	1971-03† ^c	10-29-02 2-21-03 4-07-03	21.89 21.97 21.95	4-11-95	23.84
Corporation Canal at Stanford Avenue at Baton Rouge, La. (07379508)	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 mi southeast of Baton Rouge Post Office. Drainage area is 2.43 mi ² .	1971-03	10-29-02 2-21-03 4-07-03	17.69 17.96 18.68	6-28-89	24.31
Bayou Duplantier at Lee Drive, at Baton Rouge, La. (07379550)	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 mi south of Baton Rouge Post Office. Drainage area is not determined.	1962-70, 1971-03† ^c	2003	b	4-14-67	23.69

See footnotes at end of table.

Annual Maximum Elevation at Flood-Profile Partial-Record Stations During Water Year 2003--Continued

Station name and number	Location and drainage area	Water year 2003 maximum		Period of record maximum		
		Period of record	Date	Elevation in ft (NGVD 1929)	Date	Elevation in ft (NGVD 1929)
MISSISSIPPI RIVER DELTA--Continued						
Dawson Creek at Bluebonnet Blvd. near Baton Rouge, La. (07379960)	Lat 30°22'56", long 91°05'39", East Baton Rouge Parish, at bridge 0.25 mi north of Perkins Rd. Drainage area is not determined.	1995-98 ^g , 1999-03 [†] ¹	10-03-03	18.84	6-7-01	22.79
Welsh Gully nr Prairieville, La. (07380102)	Lat 30°20'12", long 90°58'08", Ascension Parish, at bridge on John Broussard Rd, 2.6 mi north of Prairieville Post Office. Drainage area is 2.09 mi ² .	1999-03 [†] ^c	2-25-03	10.81	6-8-01	13.30
Muddy Creek at Prairieville, La. (07380103)	Lat 30°18'20", long 90°57'33", Ascension Parish, at bridge on Henry Rd, 0.8 mi east of Hwy. 73 and 0.7 mi northeast of Prairieville Post Office. Drainage area is not determined.	1998-03	12-23-02 4-08-03	18.12 18.62	6-10-01	19.36
Muddy Creek nr Oak Grove, La. (07380107)	Lat 30°19'42", long 90°56'47", Ascension Parish, at bridge on Manchac Acres Rd, 1.9 mi north northeast of Oak Grove. Drainage area is not determined.	1998-03 [†] ^c	12-23-02 4-08-03	14.05 13.75	6-10-01	15.09
Henderson Bayou Trib #2 near Duplessis, La. (07380125)	Lat 30°17'27", long 90°53'55", Ascension Parish, at bridge located on Merritt Evans Rd and 3.2 mi northeast of Duplessis. Drainage area is not determined.	1980-84 1998-03	4-08-03	15.46	9-12-98	15.79
Middle Colyell Creek nr Walker, La. (07380160)	Lat 30°28'45", long 90°50'28", Livingston Parish, at bridge located on Black Mud Rd, 1.8 mi southeast of town of Walker, Drainage area is approximately 25.0 mi ² .	1999-03 [†] ^c	4-08-03	^a 33.96	6-8-01	^k 34.14
West Colyell Creek nr Port Vincent, La. (07380185)	Lat 30°25'19", long 90°51'56", Livingston Parish, at bridge located on Joe May Rd., 0.8 mi from Hwy. 447 at Plainview Baptist Church. Drainage area is approximately 28 mi ² .	1998-03 [†] ^c	4-08-03	^a 20.43	6-8-01	^a 21.37
Grand Goudine Bayou near Prairieville, La. (0738022292)	Lat 30°17'55", long 90°57'34", Ascension Parish, at bridge located on Hwy 73, 1.1 mi south southwest of Prairieville. Drainage area is not determined.	1998-03	4-08-03	14.54	6-7-01	16.02
New River Canal at Gonzales, La. (07380223)	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mi northeast of Gonzales water tower. Drainage area is not determined.	1963-03	4-08-03	9.43	4-22-79	10.15
Black Bayou near Prairieville, La. (0738022385)	Lat 30°17'34", long 90°56'18", Ascension Parish, at bridge on Braud Road, 1.8 mi east of Prairieville Post Office. Drainage area is not determined.	1998-03	4-08-03	^a 15.21	9-12-98	^a 15.97
Bayou Francois near Gonzales, La. (07380226)	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi west of Gonzales water tower. Drainage area is not determined.	1963-03	4-08-03	10.19	6-7-01	10.90
Bayou Francois at Gonzales, La. (07380227)	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi southwest of Gonzales water tower. Drainage area is not determined.	1963-03	4-08-03	^a 7.81	4-22-79	^a 9.18
Bayou Rapides- Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, La. (07382258)	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 mi southwest of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-03	11-5-02	70.16	12-27-82	71.09
Bayou Courtableau near Washington, La. (07382495)	Lat 30°38'53", long 92°03'40", St. Landry Parish, 0.1 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, 2.0 mi northwest of Washington, and 3.4 mi upstream from gaging station, Bayou Courtableau at Washington. Drainage area is 701 mi ² .	1946-75 ^f , 1976-85 [†] , 1986-03 [†] ^c	11-11-02	31.95	11-05-85	34.17
Hynson Bayou at Brinhurst Park, at Alexandria, La. (07382840)	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, and 1.7 mi south of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-03	10-03-02	76.93	10-23-72	77.79
Horseshoe Drainage Canal at Packing House Road, at Alexandria, La. (07382850)	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi south of Alexandria city hall. Drainage area is not determined.	1959-86, 1990-03	10-03-02	70.84	12-15-67	72.43

See footnotes at end of table.

Station name and number	Location and drainage area	Water year 2003 maximum		Period of record maximum		Elevation in ft (NGVD 1929)
		Period of record	Date	Date	Elevation in ft (NGVD 1929)	
MISSISSIPPI RIVER DELTA--Continued						
Hynson Bayou at Hudson St., at Alexandria, La. (07382855)	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi southeast of Alexandria city hall. Drainage area is not determined.	1963-86, 1990-03	10-03-02	70.89	7-23-69	73.88
Persimmon Bayou near Alexandria, La. (07382865)	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. Drainage area is not determined.	1963-86, 1990-03	11-05-02	68.23	12-15-67	75.01
Bayou des Glaisses diversion channel near Moreauville, La. (07383510)	Lat 30°59'59", long 91°58'57", Avoyelles Parish, at bridge on unnumbered parish road, and 2.5 mi south of Moreauville. Drainage area is 284 mi ² .	1972-85†, 1986-03† ^c	11-05-02	41.55	4-21-77	43.94
Bayou Teche at Robin, La. (07385470)	Lat 30°26'48", long 91°55'22", St. Landry Parish, near center of span on downstream side of bridge between State Highways 31 and 740 at Robin, and 3.7 mi upstream from gaging station, Bayou Teche at Arnaudville. Drainage area is not determined.	1947-85†, 1986-03† ^c	2-22-03	22.14	4-21-77	23.00
Bayou Teche below Keystone Lock and Dam near St. Martinville, La. (07385702)	Lat 30°04'14", long 91°49'44", St. Martin Parish, on downstream side of Keystone Lock and Dam 3.5 mi south of St. Martinville and 11 mi upstream from Loreauville Canal. Drainage area is not determined.	1985-03† ^c	10-29-02	11.86	5-27-27	24.30
Ruth Canal at Ruth, La. (07386705)	Lat 30°14'34", long 91°53'05", St. Martin Martin Parish, on right bank, 150 ft downstream from control structure, 0.5 mi northwest of Ruth, 0.6 mi down- stream from point of diversion from Bayou Teche, and 2.5 mi south of town of Breaux Bridge. Drainage area is not determined.	1959-85†, 1986-03† ^c	10-31-02 11-01-02	11.25 11.25	8-14-40	18.50
Bayou LaLoutre at Yscloskey, La. (295020089411600)	Lat 29°50'20", long 89°41'16", St. Bernard Parish, on top of bridge tender house on southeast side of road. Drainage area is not determined.	2003	10-03-02	^d 11.47	10-03-02	^d 11.47

< Less than amount shown.

† Operated as a continuous-record gaging station.

a Elevation, NAVD 88.

b Missing record.

c Daily records unpublished.

d Gage datum, datum of gage not determined.

e Operated by Corps of Engineers.

f High-water mark.

g Operated as a crest-stage partial-record station.

h Operated as a flood-profile station.

i Revised.

j Below recordable stage.

k Elevation, NAVD 73.

l Discontinued.

Discharge Measurements Made at Miscellaneous Sites During Water Year 2002

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA						
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°45'34", long 91°40'00", St. Mary Parish, Hydrologic Unit 08080103, west of Jaws Bay.	---	1997-03	10-23-02	2,600
					2-05-03	-243
					4-02-03	3,240
					6-25-03	3,000
					8-28-03	-1,260
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°43'27", long 91°33'08", St. Mary Parish, Hydrologic Unit 08080102, east of Jaws Bay.	---	1997-03	10-23-02	5,930
					2-05-03	4,850
					4-02-03	11,700
					6-25-03	10,800
					8-28-03	3,830
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°39'31", long 91°14'52", St. Mary Parish, Hydrologic Unit 08080101, at Lower Atchafalaya River south of Morgan City, La.	---	1997-03	10-23-02	7,410
					1-07-03	15,300
					2-05-03	6,190
					4-02-03	16,000
					6-25-03	16,700
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°38'58", long 91°18'15", St. Mary Parish, Hydrologic Unit 08080101, mile 103 on Gulf Intracoastal Waterway.	---	1997-03	8-28-03	-2,650
					10-23-02	7,880
					2-05-03	6,140
					4-02-03	13,700
					6-25-03	14,800
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°38'58", long 91°23'58", St. Mary Parish, Hydrologic Unit 08080101, west of Wax Lake Outlet south of Calumet, La.	---	1997-03	8-28-03	-1,680
					10-23-02	1,570
					2-05-03	3,320
					4-02-03	11,300
					6-25-03	12,600
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°38'48", long 91°23'11", St. Mary Parish, Hydrologic Unit 08080101, east of Wax Lake Outlet south of Calumet, La.	---	1997-03	8-28-03	3,600
					10-23-02	8,750
					2-05-03	6,860
					4-02-03	11,400
					6-25-03	10,000
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°34'08", long 90°23'04", Lafourche Parish, Hydrologic Unit 08090301, east of Bayou Lafourche at Larose, La.	---	1997-03	8-28-03	231
					10-22-02	-656
					1-06-03	1,570
					4-01-03	3,220
					6-23-03	3,370
Gulf Intracoastal Waterway	Gulf of Mexico	Lat 29°34'00", long 90°43'20", Terrebonne Parish, Hydrologic Unit 08090302, west of Houma Navigation Canal at Houma, La.	---	1997-03	8-26-03	1,970
					10-22-02	3,270
					1-06-03	8,440
					4-01-03	7,920
					6-23-03	7,600
Wax Lake Outlet	Gulf of Mexico	Lat 29°32'25", long 91°25'45", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080101, north of Crewboat Channel.	---	2002-03	8-26-03	-940
					11-19-02	55,500
					3-19-03	157,000
					5-21-03	132,000
					6-03-03	158,000
Crewboat Channel at Wax Lake Outlet	Gulf of Mexico	Lat 29°32'24", long 91°26'08", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080101 at East Pass at Wax Lake Outlet.	---	2002-03	9-02-03	74,400
					11-19-02	7,180
					3-19-03	17,400
					5-21-03	15,500
					6-03-03	18,800
Avoca Island Cutoff	Gulf of Mexico	Lat 29°31'59", long 91°14'26", Terrebonne Parish, Hydrologic Unit 08090302, south of Morgan City, La.	---	1999-03	9-02-03	7,480
					10-24-02	22,100
					2-04-03	-23,300
					4-03-03	10,600
					6-24-03	15,000
Wax Lake Outlet	Gulf of Mexico	Lat 29°31'38", long 91°25'59", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080101, Main Pass south of New Pass.	---	2002-03	8-28-03	14,900
					11-19-02	45,500
					3-19-03	130,000
					5-21-03	114,000
					6-03-03	134,000
Wax Lake Outlet	Gulf of Mexico	Lat 29°30'56", long 91°26'30", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080101, Main Pass.	---	2002-03	9-02-03	70,400
					11-19-02	13,800
					3-19-03	69,900
					5-21-03	60,900
					6-03-03	66,700
East Pass of Wax Lake Outlet	Gulf of Mexico	Lat 29°30'53", long 91°25'47", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080101.	---	2002-03	9-02-03	37,200
					11-19-02	8,850
					3-19-03	26,000
					5-21-03	21,000
					6-03-03	26,900
Lower Atchafalaya River	Gulf of Mexico	Lat 29°30'43", long 91°15'55", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, north of Shell Island Pass.	---	2002-03	9-02-03	13,500
					11-21-02	110,000
					5-22-03	137,000
					6-04-03	180,000
					9-03-03	106,000

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Discharge Measurements Made at Miscellaneous Sites During Water Year 2002

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued						
Shell Island Pass	Gulf of Mexico	Lat 29°30'27", long 91°16'53", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Lower Atchafalaya River.	---	1999-00, 2002-03	11-21-02	16,600
					5-22-03	19,200
					6-04-03	24,000
					9-03-03	13,100
Lower Atchafalaya River	Gulf of Mexico	Lat 29°30'06", long 91°15'53", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, south of Shell Island Pass.	---	1999-00, 2002-03	11-20-02	32,700
					5-22-03	121,000
					6-04-03	143,000
					9-03-03	91,600
Deer Island Pass	Gulf of Mexico	Lat 29°28'05", long 91°16'02", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, below Deer Island Bayou at Lower Atchafalaya River.	---	2002-03	11-20-02	5,620
					5-22-03	8,410
					6-04-03	11,700
					9-03-03	4,750
Big Island Pass	Gulf of Mexico	Lat 29°28'40", long 91°17'26", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Lower Atchafalaya River.	---	2002-03	11-20-02	-1,380
					5-22-03	9,270
					6-04-03	12,300
					9-03-03	5,980
Lower Atchafalaya River	Gulf of Mexico	Lat 29°27'53", long 91°16'40", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Andrew Island.	---	2002-03	11-20-02	31,900
					5-22-03	92,400
					6-04-03	112,000
					9-03-03	82,000
Amereda Pass	Gulf of Mexico	Lat 29°26'55", long 91°19'59", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Lower Atchafalaya River.	---	2002-03	11-20-02	1,030
					5-22-03	1,720
					6-04-03	4,540
					9-03-03	2,190
Log Island Pass	Gulf of Mexico	Lat 29°26'28", long 91°20'01", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Lower Atchafalaya River.	---	2002-03	11-20-02	650
					5-22-03	3,220
					6-04-03	6,190
					9-03-03	4,790
East Pass	Gulf of Mexico	Lat 29°26'28", long 91°17'06", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Lower Atchafalaya River.	---	2002-03	11-20-02	6,310
					5-22-03	12,400
					6-04-03	15,500
					9-03-03	7,020
Natal Pass	Gulf of Mexico	Lat 29°26'17", long 91°16'47", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at East Pass at Lower atchafalaya River.	---	2002-03	11-20-02	809
					5-22-03	3,140
					6-04-03	3,720
					9-03-03	1,180
Lower Atchafalaya River	Gulf of Mexico	Lat 29°26'14", long 91°19'51", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at God's Island.	---	2002-03	11-20-02	22,500
					5-22-03	40,700
					6-04-03	65,500
					9-03-03	28,700
God's Pass	Gulf of Mexico	Lat 29°25'55", long 91°19'02", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Lower Atchafalaya River.	---	2002-03	11-20-02	3,990
					5-22-03	6,400
					6-04-03	9,420
					9-03-03	7,790
Ratcliff Pass	Gulf of Mexico	Lat 29°25'46", long 91°18'41", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at Lower Atchafalaya River.	---	2002-03	11-20-02	7,330
					5-22-03	12,000
					6-04-03	14,100
					9-03-03	9,370
East Pass	Gulf of Mexico	Lat 29°25'16", long 91°16'55", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, south of Castille Pass at Lower Atchafalaya River.	---	2002-03	11-20-02	2,980
					5-22-03	4,600
					6-04-03	6,130
					9-03-03	3,830
Castille Pass	Gulf of Mexico	Lat 29°25'10", long 91°16'37", Terrebonne/ St. Mary Parishes, Hydrologic Unit 08080302, at East Pass at Lower Atchafalaya River.	---	2002-03	11-20-02	2,030
					5-22-03	3,490
					6-04-03	4,010
					9-03-03	1,440
Canal Bank Break	Gulf of Mexico	Lat 29°25'05", long 91°04'49", Terrebonne Parish, Hydrologic Unit 08090302,south of Morgan City.	---	2003	2-27-03	686
					3-26-03	648
					5-29-03	533

ACADIA PARISH

LOCAL NUMBER.--Ac-326, Site ID 301832092234501.

LOCATION.--Lat 30°18'32", long 92°23'45", Hydrologic Unit 08080201, Sec. 32, T. 8S, R. 1E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 202 ft, screened 192-202 ft, casing diameter 6 to 2 in.

DATUM.--Elevation of land surface datum is 25.8 ft above NGVD of 1929. Measuring point: File marks in top of 6-in. casing, 1.15 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

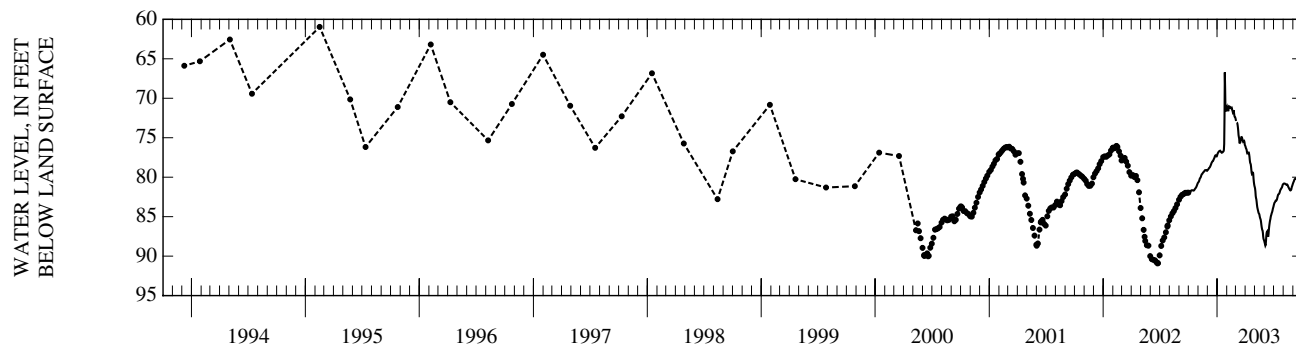
PERIOD OF RECORD.--1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 48.61 ft below land-surface datum, Mar. 14, 1965; lowest recorded, 90.92 ft below land-surface datum, June 23, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 88.68 ft, June 4; minimum water-level depth below land surface, 63.88 ft, Jan. 26.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82.04	80.65	79.10	77.13	71.11	72.69	76.08	81.25	88.18	83.54	80.85	80.73
2	82.14	80.60	79.06	77.01	71.31	72.88	76.23	81.44	88.34	83.39	80.81	80.63
3	82.13	80.53	79.00	76.93	71.41	---	76.37	81.81	88.50	83.25	80.80	80.55
4	82.02	80.43	78.94	76.87	71.51	73.09	76.43	82.38	88.66	83.20	80.80	80.43
5	81.96	80.29	78.86	76.80	71.64	73.11	76.56	82.63	88.56	83.15	80.81	80.32
6	81.90	80.16	78.82	76.74	71.36	73.17	76.84	82.80	88.03	83.05	80.83	80.26
7	81.83	80.11	78.78	76.71	71.10	73.38	77.00	83.12	87.43	82.97	80.85	80.22
8	81.75	80.06	78.73	76.69	71.14	73.72	76.99	83.48	87.07	82.97	80.89	80.18
9	81.69	79.97	78.66	76.66	71.14	74.15	76.98	83.79	86.91	82.96	80.91	80.16
10	81.67	79.86	78.56	76.64	71.08	74.65	76.94	83.99	86.86	82.90	80.94	80.16
11	81.66	79.73	78.46	76.69	71.12	74.91	76.88	84.17	87.04	82.82	80.97	80.20
12	81.65	79.64	78.37	76.76	71.17	75.12	76.88	84.32	87.37	82.65	80.95	80.19
13	81.66	79.60	78.25	76.82	71.25	75.63	77.12	84.50	87.53	82.48	80.94	80.06
14	81.68	79.56	78.15	76.86	71.27	75.65	77.41	84.59	87.26	82.33	80.98	80.05
15	81.68	79.49	78.08	76.90	71.20	75.52	77.81	84.64	86.74	82.21	81.08	80.03
16	81.69	79.42	78.01	76.89	71.18	75.52	78.13	84.77	86.31	82.16	81.18	79.98
17	81.70	79.38	77.97	76.87	71.35	75.38	78.26	85.01	86.00	82.14	81.27	79.88
18	81.68	79.35	77.96	76.84	71.52	75.11	78.36	85.17	85.72	82.10	81.35	79.77
19	81.63	79.31	77.88	76.80	71.66	74.92	78.65	85.27	85.47	82.01	81.43	79.75
20	81.57	79.25	77.77	76.74	71.81	74.91	79.06	85.40	85.31	81.89	81.51	79.80
21	81.50	79.18	77.69	76.70	71.75	74.99	79.44	85.66	85.06	81.75	81.57	79.81
22	81.45	79.13	77.59	76.55	71.52	75.12	79.60	85.98	84.87	81.64	81.65	79.63
23	81.40	79.11	77.50	75.79	71.71	75.26	79.55	86.28	84.76	81.55	81.68	79.56
24	81.34	79.12	77.37	72.27	72.02	75.35	79.47	86.52	84.60	81.49	81.66	79.52
25	81.28	79.11	77.28	66.73	72.28	75.54	79.34	86.69	84.49	81.42	81.62	79.47
26	81.20	79.10	77.24	68.71	72.38	75.53	79.57	86.76	84.36	81.35	81.56	79.38
27	81.11	79.12	77.26	71.38	72.40	75.44	80.17	87.06	84.18	81.30	81.36	79.27
28	81.00	79.16	77.32	71.66	72.51	75.41	80.61	87.54	84.00	81.18	81.20	79.24
29	80.89	79.19	77.36	71.50	---	75.55	80.89	87.80	83.86	81.03	81.10	79.27
30	80.78	79.15	77.37	71.33	---	75.90	81.12	87.94	83.71	80.92	80.98	79.38
31	80.71	---	77.28	71.21	---	76.00	---	88.02	---	80.88	80.85	---
MAX	82.14	80.65	79.10	77.13	72.51	---	81.12	88.02	88.66	83.54	81.68	80.73
MIN	80.71	79.10	77.24	66.73	71.08	---	76.08	81.25	83.71	80.88	80.80	79.24



ACADIA PARISH—Continued

LOCAL NUMBER.--Ac-335L, Site ID 301832092234503.

LOCATION.--Lat 30°18'32", long 92°23'45", Hydrologic Unit 08080201, Sec. 32, T. 8S, R. 1E.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 1,363 ft, screened 1,358-1,363 ft, casing diameter 1 1/2 in.

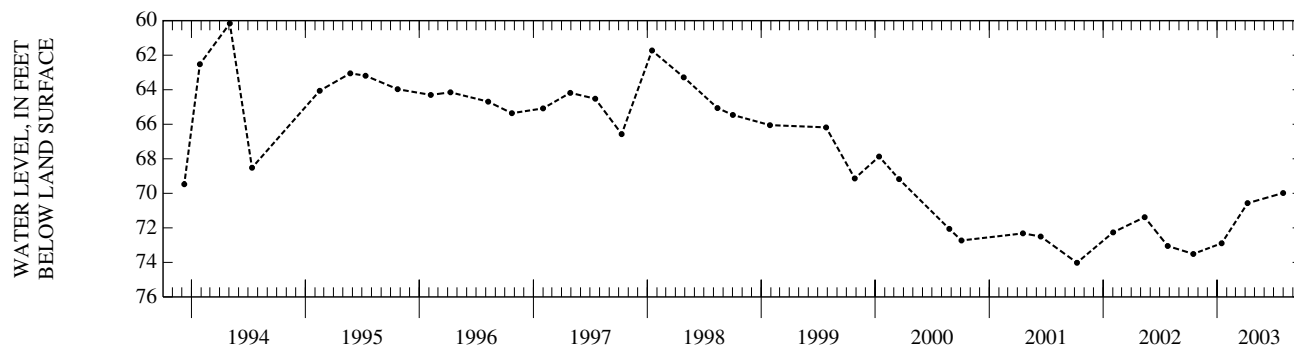
DATUM.--Elevation of land surface datum is 24.55 ft above NGVD of 1929. Measuring point: Top of 1 1/2-in. casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1966-79, 1981, 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 50.43 ft below land-surface datum, Mar. 31, 1970; lowest recorded, 74.45 ft below land-surface datum, Apr 20, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	73.51	JAN 15	72.89	APR 08	70.57	JUL 31	69.98
WATER YEAR 2003 HIGHEST		69.98	JUL 31, 2003	LOWEST		73.51	OCT 16, 2002



LOCAL NUMBER.--Ac-335U, Site ID 301832092234504.

LOCATION.--Lat 30°18'32", long 92°23'45", Hydrologic Unit 08080201, Sec. 32, T. 8S, R. 1E.

AQUIFER.--Chicot aquifer, lower sand unit, of Pleistocene age (112CHCTL).

WELL CHARACTERISTICS.--Depth 902 ft, screened 902-907 ft, casing diameter 4 in.

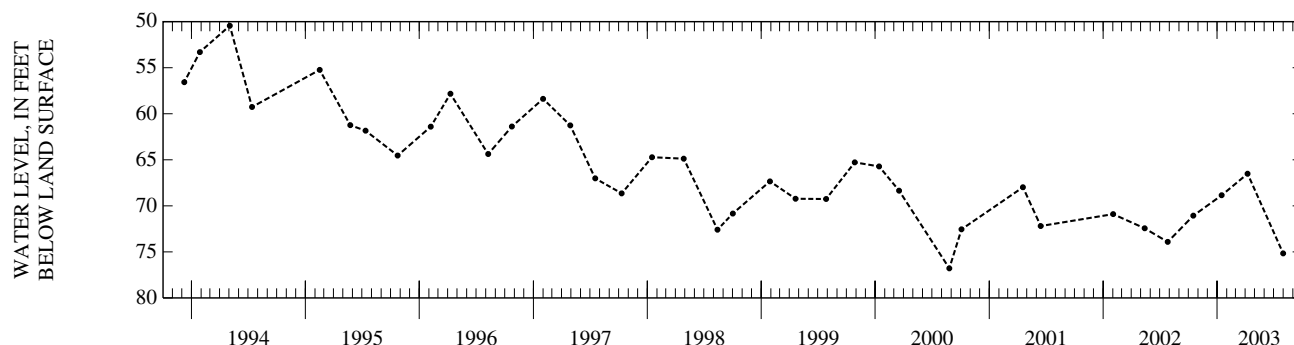
DATUM.--Elevation of land surface datum is 24.55 ft above NGVD of 1929. Measuring point: Top of 1 1/2-in. casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1966-79, 1981, 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 43.59 ft below land-surface datum, Mar. 5, 1968; lowest recorded, 76.79 ft below land-surface datum, Aug. 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	71.07	JAN 15	68.85	APR 08	66.51	JUL 31	75.17
WATER YEAR 2003 HIGHEST		66.51	APR 08, 2003	LOWEST		75.17	JUL 31, 2003



ACADIA PARISH—Continued

LOCAL NUMBER.--Ac-428, Site ID 302654092341001.

LOCATION.--Lat 30°27'29", long 92°34'20", Hydrologic Unit 08080201, Sec. 9, T. 7S, R. 2W.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 203 ft, screened 198-203 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 42 ft above NGVD of 1929. Measuring point: Top of 2-in. pipe, at land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

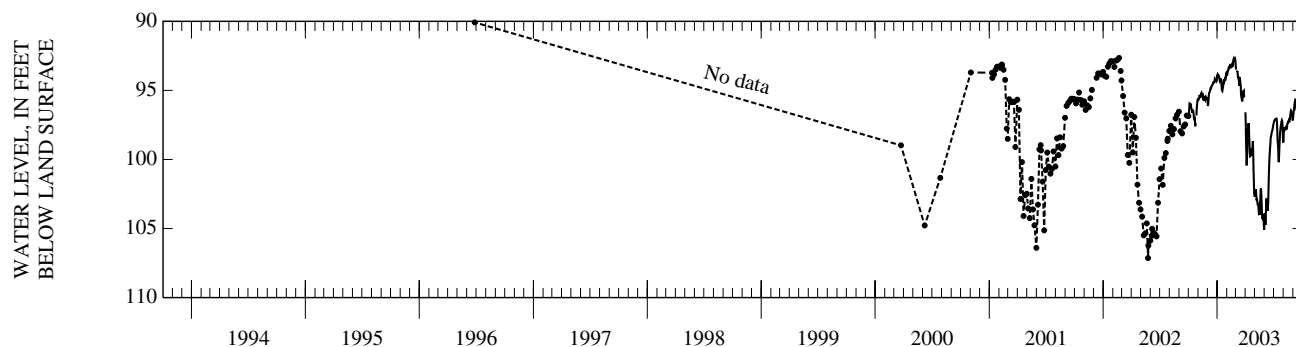
PERIOD OF RECORD.--1977-79, 1981, 1983, 1985, 1991-96, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 77.47 ft. below land-surface datum, Mar. 5, 1991; lowest recorded, 107.14 ft below land-surface datum, May 24, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 105.31 ft, May 31; minimum water-level depth below land surface, 92.66 ft, Feb. 23.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96.88	95.64	95.91	93.88	93.92	93.24	96.59	102.70	104.67	97.33	98.67	96.94
2	96.77	95.67	96.13	93.83	93.85	93.49	97.28	102.52	103.88	97.23	97.99	96.72
3	96.24	95.62	95.96	93.88	93.68	---	98.71	102.70	104.19	97.17	97.66	96.45
4	95.96	95.56	95.52	93.91	93.61	93.68	99.60	102.17	104.74	97.14	97.78	96.28
5	95.98	95.33	95.29	93.91	93.56	93.66	100.43	102.24	104.32	97.11	97.77	96.06
6	95.98	95.40	95.17	93.96	93.37	93.58	99.92	102.68	103.58	97.08	97.86	95.88
7	95.98	95.45	95.14	94.07	93.34	93.72	99.12	102.97	102.83	97.07	97.83	95.76
8	96.01	95.43	95.09	94.22	93.35	94.03	98.50	102.85	102.95	97.06	97.81	95.68
9	96.23	95.34	94.99	94.30	93.26	94.08	97.84	103.04	103.45	97.05	97.67	95.70
10	96.32	95.22	94.87	94.23	93.19	94.06	97.53	103.23	103.66	97.04	97.69	96.10
11	96.38	95.18	94.88	94.25	93.22	94.22	97.38	103.32	103.58	97.31	97.82	96.27
12	96.49	95.29	94.86	94.21	93.26	94.66	97.52	103.14	103.72	97.83	97.74	96.23
13	96.63	95.45	94.71	94.21	93.34	94.24	98.27	103.56	103.13	98.59	97.50	95.84
14	96.50	95.49	94.69	94.47	93.33	94.05	98.78	103.85	102.21	98.87	97.38	95.65
15	96.41	95.39	94.66	94.78	93.15	94.25	99.48	103.81	101.21	99.21	97.37	95.61
16	96.51	95.34	94.60	95.02	93.12	94.50	99.78	104.01	100.51	99.95	97.25	95.58
17	96.68	95.42	94.56	95.05	93.17	94.69	99.76	103.95	99.95	100.20	97.24	95.55
18	96.98	95.68	94.48	94.91	93.23	95.30	99.33	103.25	99.54	99.73	97.31	95.54
19	97.07	95.76	94.44	94.80	93.25	95.47	99.28	102.76	99.18	99.06	97.10	95.53
20	97.06	95.58	94.45	94.63	93.23	95.57	99.19	102.18	98.86	98.59	97.11	95.50
21	97.03	95.54	94.44	94.41	92.82	95.71	99.56	102.10	98.43	98.07	97.15	95.36
22	97.60	95.51	94.41	94.25	92.74	95.79	99.69	102.55	98.35	97.88	97.00	95.21
23	97.45	95.56	94.32	94.24	92.68	95.48	99.47	103.11	98.22	97.62	96.75	95.17
24	97.37	95.66	94.16	94.31	92.74	95.16	98.94	103.77	98.08	97.47	96.56	95.12
25	97.21	95.59	94.19	94.23	92.80	95.07	98.67	104.19	97.98	97.35	96.46	95.16
26	96.82	95.50	94.26	94.08	92.77	95.07	99.51	104.17	97.92	97.23	96.50	95.23
27	96.31	95.54	94.32	94.07	92.73	95.04	100.75	104.33	97.81	97.16	96.71	95.37
28	96.07	95.57	94.35	94.10	92.86	95.51	101.53	104.31	97.68	97.22	96.72	95.57
29	95.79	95.60	94.36	93.86	---	95.97	102.50	104.01	97.54	97.55	96.73	95.77
30	95.65	95.63	94.29	93.74	---	---	102.54	104.76	97.43	98.30	97.08	95.86
31	95.62	---	94.00	93.70	---	96.25	---	105.09	---	98.78	97.17	---
MAX	97.60	95.76	96.13	95.05	93.92	---	102.54	105.09	104.74	100.20	98.67	96.94
MIN	95.62	95.18	94.00	93.70	92.68	---	96.59	102.10	97.43	97.04	96.46	95.12



ACADIA PARISH—Continued

LOCAL NUMBER.--Ac-876, Site ID 301046092214501.

LOCATION.--Lat 30°10'45", long 92°21'45", Hydrologic Unit 08080201, Sec. 15, T.10S, R. 1E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 298 ft, screened 218-298 ft, casing diameter 14 to 12 to 8 in.

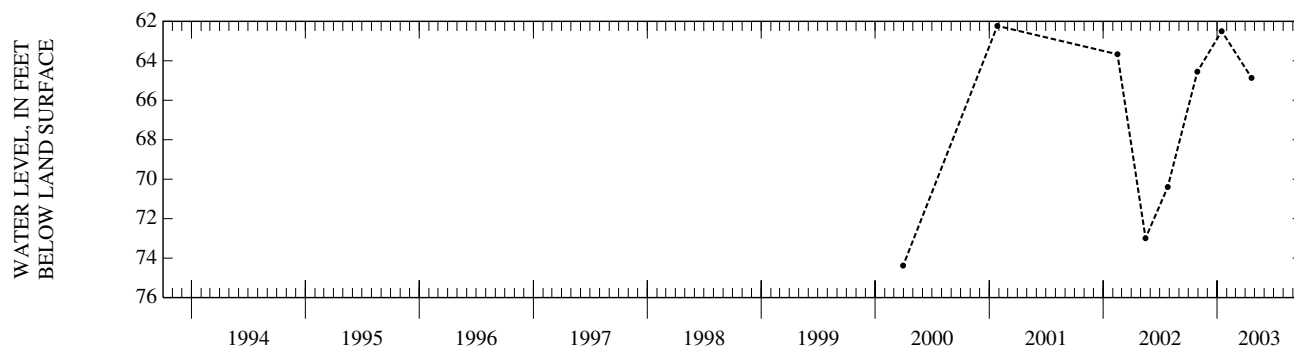
DATUM.--Elevation of land surface datum is 21 ft above NGVD of 1929. Measuring point: 3/4-in. plug on east side of discharge pipe, 2.3 feet above land-surface datum.

PERIOD OF RECORD.--2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 62.23 ft. below land-surface datum, Jan. 26, 2001; lowest recorded, 74.38 ft below land-surface datum, Mar. 30, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	64.55	JAN 15	62.50	APR 21	64.87
WATER YEAR 2003 HIGHEST 62.50 JAN 15, 2003 LOWEST 64.87 APR 21, 2003					



ALLEN PARISH

LOCAL NUMBER.--Al-241, Site ID 303004092541101.

LOCATION.--Lat 30°30'04", long 92°54'11", Hydrologic Unit 08080203, Sec. 29, T. 6S, R. 5W.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 62 ft, screened 59-62 ft, casing diameter 1 1/4 in.

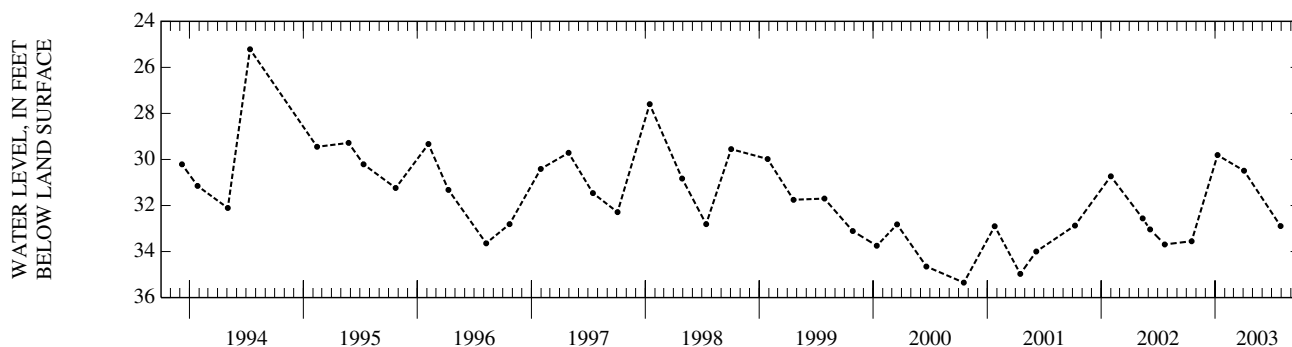
DATUM.--Elevation of land surface datum is 42.97 ft above NGVD of 1929. Measuring point: Top of 1 1/4-in. casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--1957-79, 1981, 1983, 1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 23.84 ft below land-surface datum, Mar. 21, 1961; lowest recorded, 35.35 ft below land-surface datum, Oct. 17, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	33.55	JAN 08	29.81	APR 03	30.49	JUL 29	32.89
WATER YEAR 2003 HIGHEST		29.81	JAN 08, 2003	LOWEST		33.55	OCT 17, 2002



LOCAL NUMBER.--Al-261, Site ID 305157092474401.

LOCATION.--Hydrologic Unit 08080203.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 974 ft, screened 933-974 ft, casing diameter 8 to 4 in.

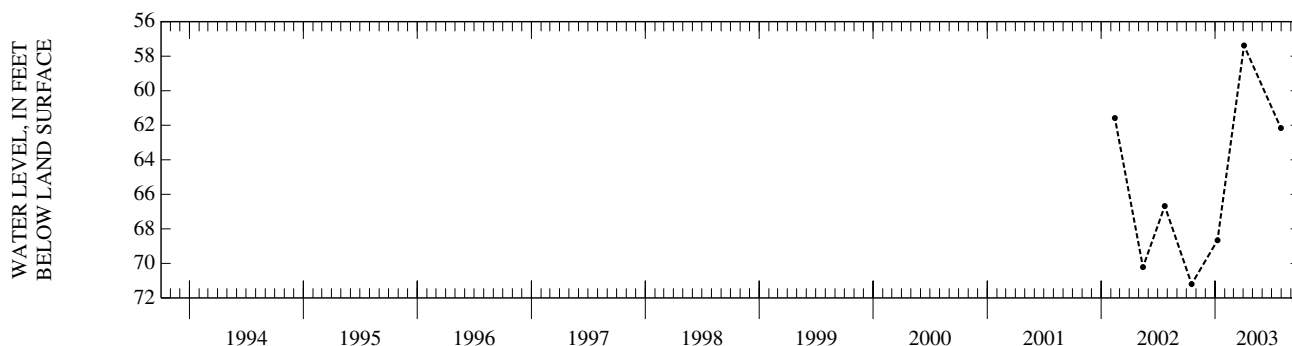
DATUM.--Elevation of land surface datum is 135 ft above NGVD of 1929. Measuring point: 3/4-in. coupling in sanitary seal on north side, 0.7 feet above land-surface datum.

PERIOD OF RECORD.--1968, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 11.15 ft. below land-surface datum, Jun. 10, 1968; lowest recorded, 71.20 ft below land-surface datum, Oct. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	71.20	JAN 08	68.66	APR 03	57.38	JUL 30	62.16
WATER YEAR 2003 HIGHEST		57.38	APR 03, 2003	LOWEST		71.20	OCT 17, 2002



ALLEN PARISH—Continued

LOCAL NUMBER.--Al-269, Site ID 303118092493901.

LOCATION.--Lat 30°31'18", long 92°49'39", Hydrologic Unit 08080203, Sec. 24, T. 6S, R. 5W.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 660 ft, screened interval unknown, casing diameter 4 in.

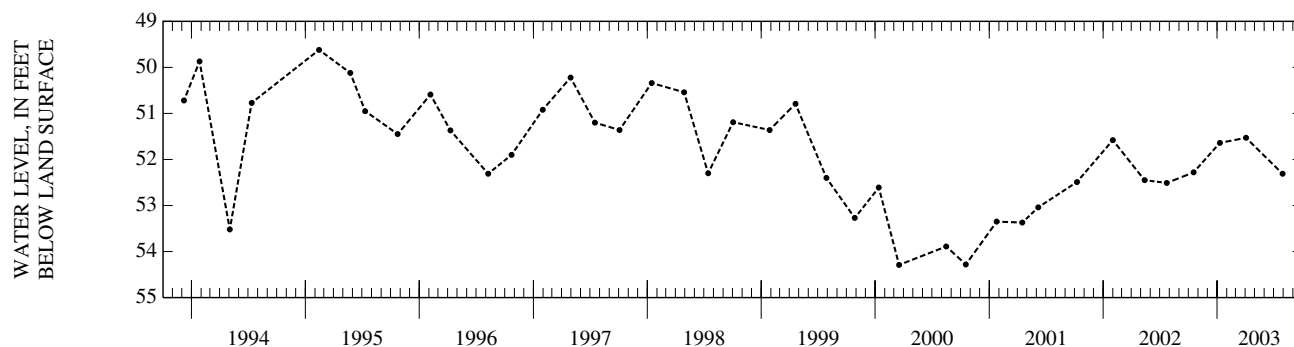
DATUM.--Elevation of land surface datum is 45 ft above NGVD of 1929. Measuring point: 1/2-in. hole in sanitary seal, 1.38 ft above land-surface datum.

PERIOD OF RECORD.--1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 49.62 ft below land-surface datum, Feb. 13, 1995, lowest recorded, 54.57 ft below land-surface datum, May 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	52.28	JAN 09	51.64	APR 03	51.53	JUL 29	52.31
WATER YEAR 2003 HIGHEST		51.53	APR 03, 2003	LOWEST		52.31	JUL 29, 2003



LOCAL NUMBER.--Al-293, Site ID 304337092504001.

LOCATION.--Lat 30°43'37", long 92°50'40", Hydrologic Unit 08080203, Sec.11, T. 4S, R. 5W

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 84 ft, screened 79-84 ft, casing diameter 2 in.

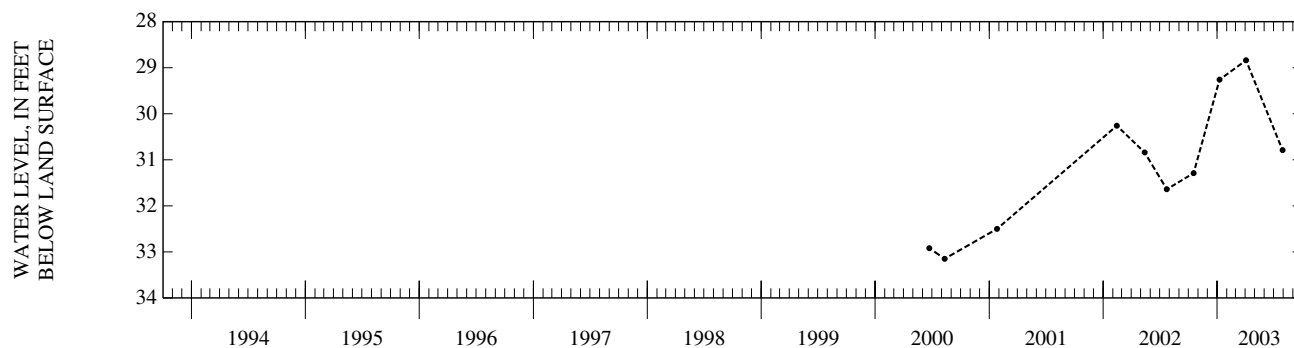
DATUM.--Elevation of land surface datum is 100 ft above NGVD of 1929. Measuring point: Top of 2-in. galvanized pipe, 1.6 feet above land-surface datum.

PERIOD OF RECORD.--1974-79, 1983, 1985, 1991, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 27.63 ft. below land-surface datum, June 19, 1975; lowest recorded, 33.15 ft below land-surface datum, Aug. 10, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	31.29	JAN 08	29.26	APR 03	28.84	JUL 29	30.79
WATER YEAR 2003 HIGHEST		28.84	APR 03, 2003	LOWEST		31.29	OCT 17, 2002



ALLEN PARISH—Continued

LOCAL NUMBER.--Al-396, Site ID 303147093022801.

LOCATION.--Hydrologic Unit 08080203.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 315 ft, screened 285-315 ft, casing diameter 6 5/8 in.

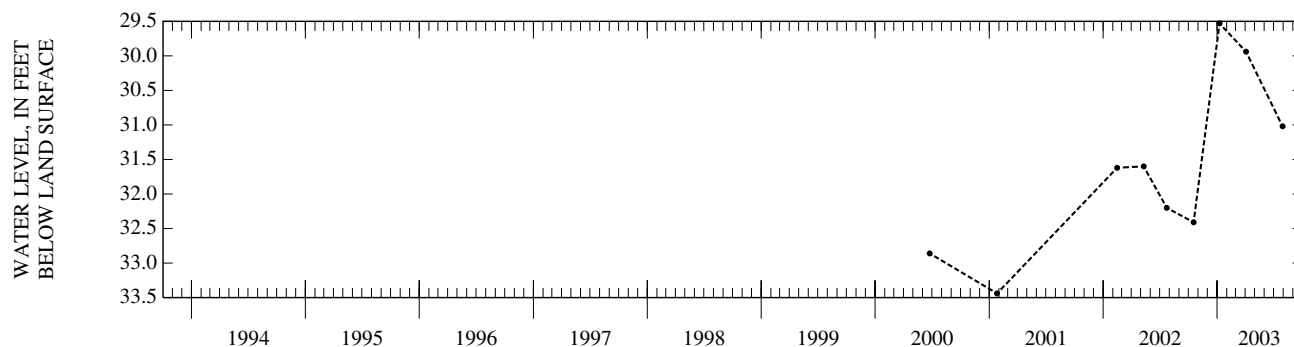
DATUM.--Elevation of land surface datum is 57 ft above NGVD of 1929. Measuring point: Top of 3/4-in. vent at plug, 2.85 feet above land-surface datum.

PERIOD OF RECORD.--1989, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 29.53 ft. below land-surface datum, Jan. 8, 2003; lowest recorded, 34.50 ft below land-surface datum (reported), Apr. 19, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	32.41	JAN 08	29.53	APR 03	29.94	JUL 29	31.02
WATER YEAR 2003		HIGHEST	29.53	JAN 08, 2003	LOWEST	32.41	OCT 17, 2002



ASCENSION PARISH

LOCAL NUMBER.--An-267, Site ID 301544090543901.

LOCATION.--Hydrologic Unit 08070204.

AQUIFER.--Gonzales-New Orleans aquifer of Pleistocene age (112GZNO).

WELL CHARACTERISTICS.--Depth 488 ft, screened 388-488 ft, casing diameter 12 to 10 in.

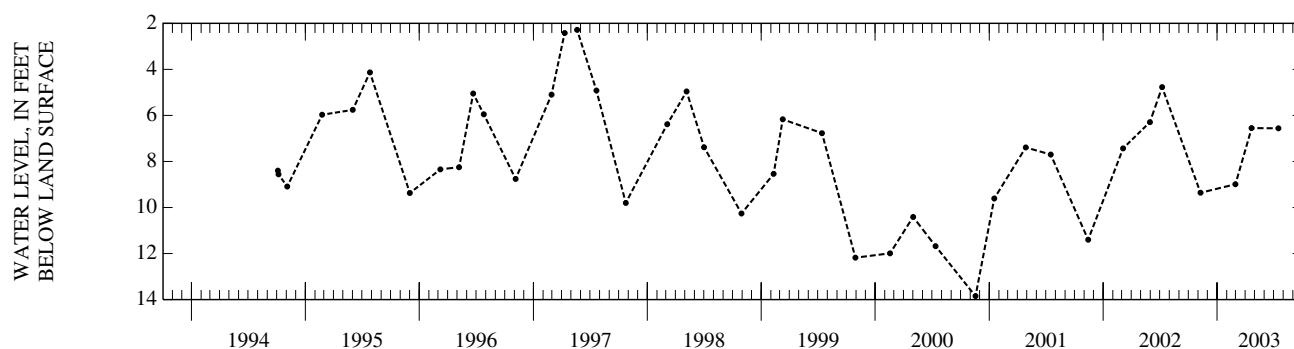
DATUM.--Elevation of land surface datum is 7 ft above NGVD of 1929. Measuring point: Plug in 2-in. breather chlorinator pipe, 6.1 ft above land-surface datum.

PERIOD OF RECORD.--1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.28 ft below land-surface datum, May 20, 1997; lowest recorded, 13.85 ft below land-surface datum, Nov. 17, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	9.36	FEB 28	8.99	APR 21	6.55	JUL 16	6.56
WATER YEAR 2003		HIGHEST	6.55	APR 21, 2003	LOWEST	9.36	NOV 08, 2002



AVOYELLES PARISH

LOCAL NUMBER.--Av-164, Site ID 310453092022901.

LOCATION.--Lat 31°04'53", long 92°02'29", Hydrologic Unit 08040301, Sec. 47, T. 1N, R. 4E.

AQUIFER.--Upland Terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 192 ft, screened 182-192 ft, casing diameter 1 1/4 in.

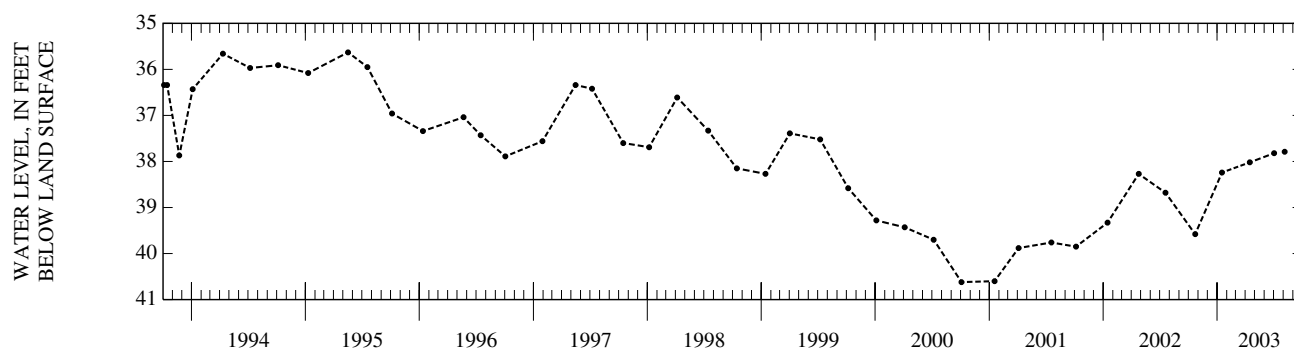
DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: Top of bushing, at land-surface datum.

PERIOD OF RECORD.--1966-79, 1985-87, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 33.78 ft below land-surface datum, June 30, 1975; lowest recorded, 41.90 ft below land-surface datum, Nov. 5, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	39.58	JAN 16	38.24	APR 15	38.02	JUL 02	37.82	AUG 05	37.79
WATER YEAR 2003 HIGHEST 37.79 AUG 05, 2003 LOWEST 39.58 OCT 22, 2002									



LOCAL NUMBER.--Av-271, Site ID 311336092095901.

LOCATION.--Lat 31°13'36", long 92°09'59", Hydrologic Unit 08040301, Sec. 38, T. 3N, R. 3E.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 370 ft, screened 365-370 ft, casing diameter 2 in.

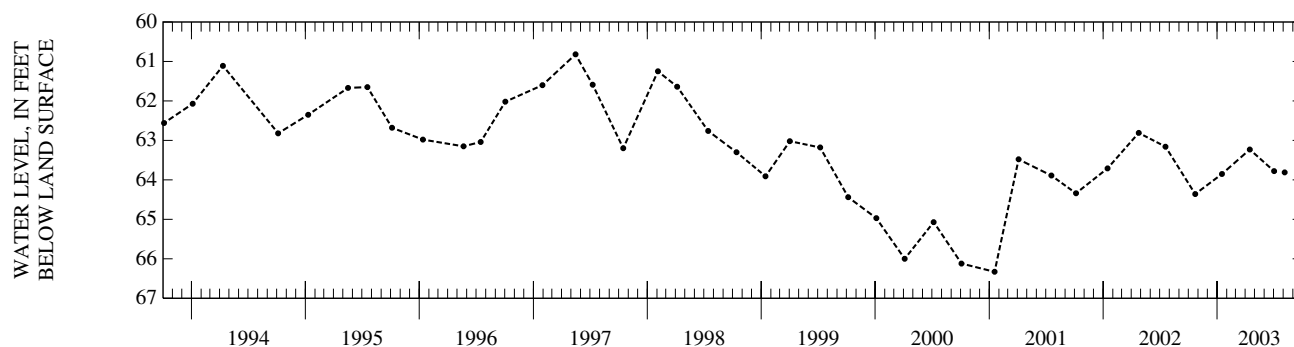
DATUM.--Elevation of land surface datum is 95 ft above NGVD of 1929. Measuring point: Top of bushing, 3.35 ft above land-surface datum.

PERIOD OF RECORD.--1966-84, 1986-87, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 55.02 below land-surface datum, July 18, 1973; lowest recorded, 67.49 ft below land-surface datum, Mar. 4, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	64.36	JAN 16	63.85	APR 15	63.23	JUL 02	63.78	AUG 05	63.81
WATER YEAR 2003 HIGHEST 63.23 APR 15, 2003 LOWEST 64.36 OCT 22, 2002									



AVOYELLES PARISH—Continued

LOCAL NUMBER.--Av-329, Site ID 311708092073701.

LOCATION.--Lat 31°17'08", long 92°07'37", Hydrologic Unit 08040301, Sec. 38, T. 4N, R. 3E.

AQUIFER.--Red River alluvial aquifer of Pleistocene age (112RRVA).

WELL CHARACTERISTICS.--Depth 45 ft, screened 42-45 ft, casing diameter 1 1/4 in.

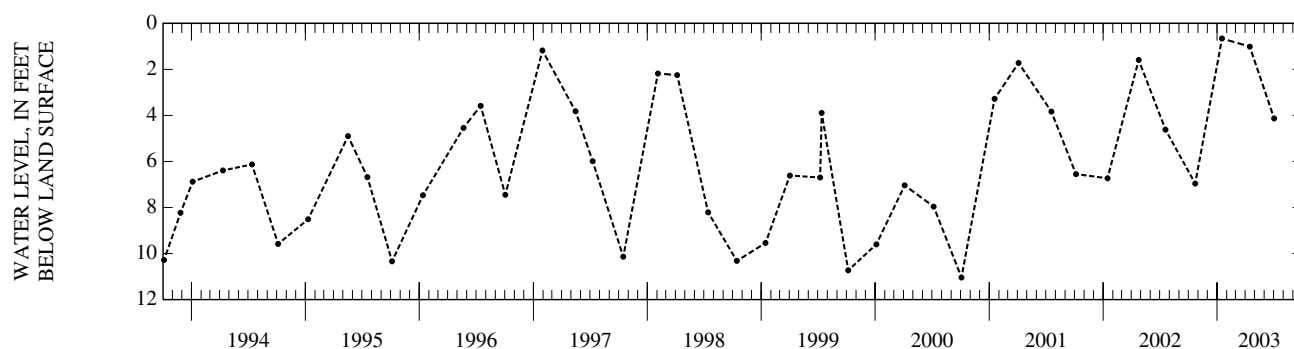
DATUM.--Elevation of land surface datum is 45.6 ft above NGVD of 1929. Measuring point: Top of casing, 0.06 below land-surface datum.

PERIOD OF RECORD.--1968-76, 1980-85, 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.10 ft above land-surface datum, Mar. 15, 1973; lowest recorded, 13.00 ft below land-surface datum, Oct. 27, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	6.96	JAN 16	.66	APR 15	1.01	JUL 02	4.13
WATER YEAR 2003 HIGHEST		.66 JAN 16, 2003		LOWEST 6.96		OCT 22, 2002	



BEAUREGARD PARISH

LOCAL NUMBER.--Be-377, Site ID 304548093320501.

LOCATION.--Hydrologic Unit 12010005.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 405 ft, screened 384-405 ft, casing diameter 4 in.

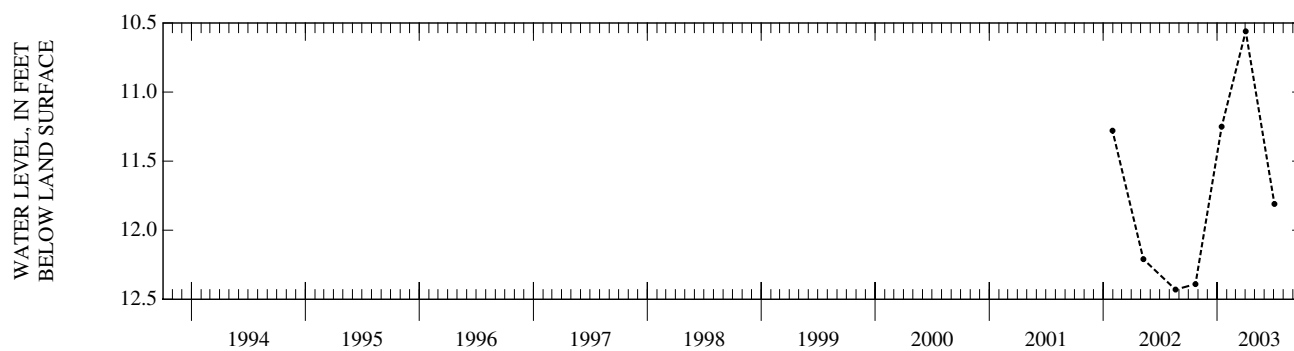
DATUM.--Elevation of land surface datum is 83 ft above NGVD of 1929. Measuring point: Top of 2-in. access pipe on south side of well, 0.40 feet above land-surface datum.

PERIOD OF RECORD.--1953, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.50 ft. below land-surface datum (reported), June 27, 1953; lowest recorded, 12.43 ft below land-surface datum, Aug. 20, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	12.39	JAN 15	11.25	APR 02	10.56	JUL 03	11.81
WATER YEAR 2003		HIGHEST	10.56	APR 02, 2003	LOWEST	12.39	OCT 23, 2002



LOCAL NUMBER.--Be-430, Site ID 303644093020401.

LOCATION.--Lat 30°36'44", long 93°02'04", Hydrologic Unit 08080203, Sec. 24, T. 5S, R. 7W.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 123 ft, screened 118-123 ft, casing diameter 2 in.

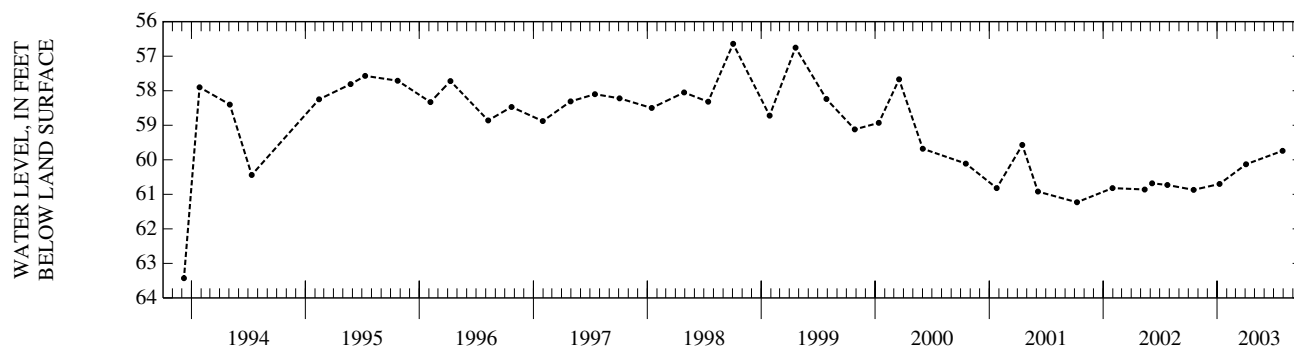
DATUM.--Elevation of land surface datum is 120 ft above NGVD of 1929. Measuring point: Top of 2-in. galvanized pipe, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1974-79, 1981, 1983, 1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 56.64 ft below land-surface datum, Oct. 2, 1998; lowest recorded, 63.43 ft below land-surface datum, December 7, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	60.87	JAN 08	60.70	APR 03	60.13	JUL 29	59.74
WATER YEAR 2003		HIGHEST	59.74	JUL 29, 2003	LOWEST	60.87	OCT 17, 2002



BEAUREGARD PARISH—Continued

LOCAL NUMBER.--Be-435, Site ID 305019093292401.

LOCATION.--Lat 30°50'19", long 93°29'24", Hydrologic Unit 12010005, Sec. 4, T 3S, R.11W.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 124 ft, screened 119-124 ft, casing diameter 2 in.

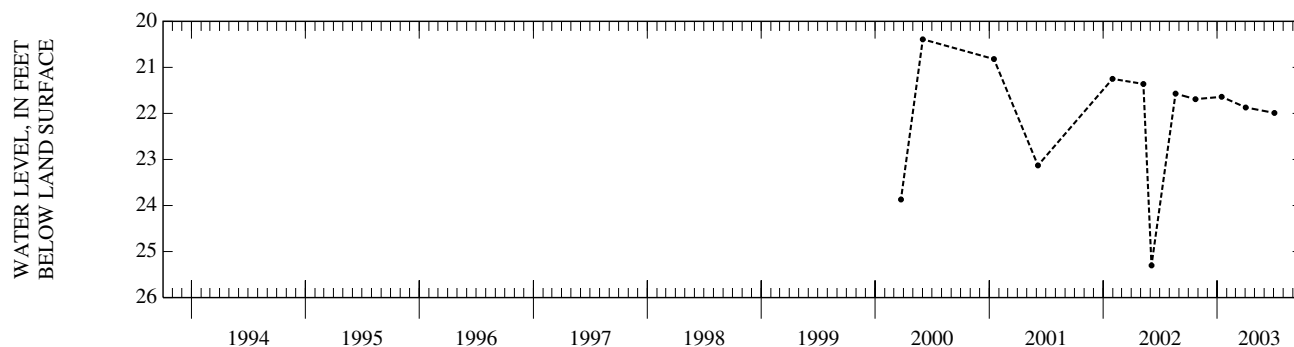
DATUM.--Elevation of land surface datum is 129 ft above NGVD of 1929. Measuring point: Top of 2-in. galvanized pipe, 3.9 feet above land-surface datum.

PERIOD OF RECORD.--1974-79, 1981, 1983, 1985, 1991, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.80 ft. below land-surface datum, May 7, 1974; lowest recorded, 25.30 ft below land-surface datum, June 4, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.69	JAN 15	21.64	APR 02	21.87	JUL 03	21.99
WATER YEAR 2003 HIGHEST		21.64	JAN 15, 2003	LOWEST		21.99	JUL 03, 2003



BEAUREGARD PARISH—Continued

LOCAL NUMBER.--Be-440, Site ID 305251093211401.

LOCATION.--Lat 30°52'51", long 93°21'14", Hydrologic Unit 12010005, Sec.23, T 2S, R.10W.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 169 ft, screened 164-169 ft, casing diameter 2 in.

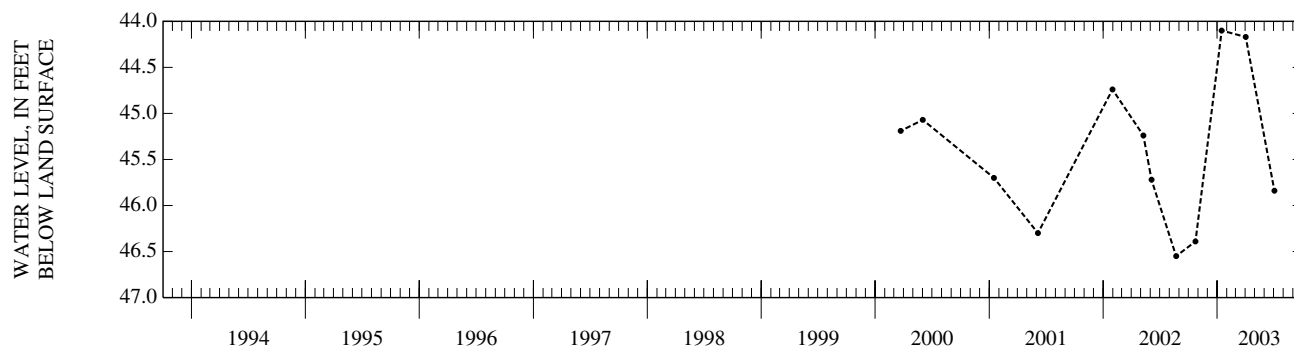
DATUM.--Elevation of land surface datum is 212 ft above NGVD of 1929. Measuring point: Top of 2-in. galvanized pipe, 2.45 feet above land-surface datum.

PERIOD OF RECORD.--1974-79, 1981, 1983, 1985, 1991, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.39 ft below land-surface datum, June 6, 1974; lowest recorded, 46.55 ft below land-surface datum, Aug. 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	46.39	JAN 15	44.10	APR 02	44.17	JUL 03	45.84
WATER YEAR 2003 HIGHEST		44.10	JAN 15, 2003	LOWEST		46.39	OCT 23, 2002



BEAUREGARD PARISH—Continued

LOCAL NUMBER.--Be-443, Site ID 305018093251301.

LOCATION.--Lat 30°50'18", long 93°25'13", Hydrologic Unit 12010005, Sec. 5, T. 3S, R. 10W.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 164 ft, screened 159-164 ft, casing diameter 2 in.

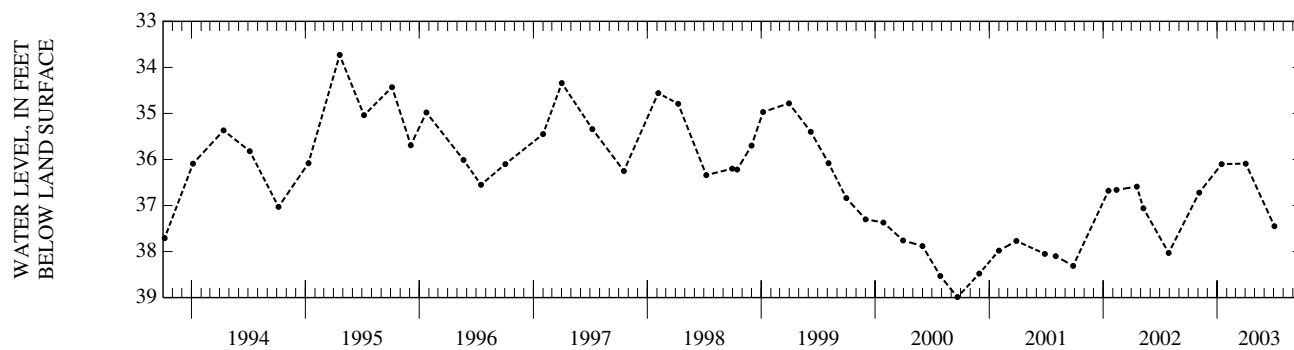
DATUM.--Elevation of land surface datum is 206 ft above NGVD of 1929. Measuring point: Top of 2-in. galvanized pipe, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--1974-79, 1981, 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 33.16 ft below land-surface datum, Apr. 8, 1992; lowest recorded, 38.99 ft below land-surface datum, Sept. 20, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 04	36.72	JAN 15	36.10	APR 02	36.09	JUL 03	37.45
WATER YEAR 2003		HIGHEST	36.09	APR 02, 2003	LOWEST	37.45	JUL 03, 2003



BEAUREGARD PARISH—Continued

LOCAL NUMBER.--Be-461, Site ID 303859093250601.

LOCATION.--Hydrologic Unit 08080205.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 228 ft, screened 168-228 ft, casing diameter 10 to 6 5/8 in.

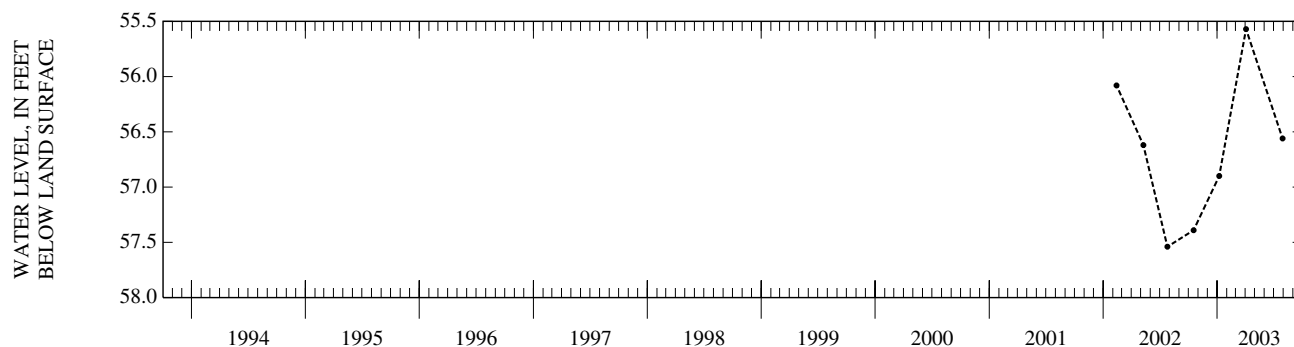
DATUM.--Elevation of land surface datum is 140 ft above NGVD of 1929. Measuring point: Top of 1-in. collar on sanitary seal on south side of well, 1.0 feet above land-surface datum.

PERIOD OF RECORD.--1977, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 55.57 ft. below land-surface datum, Apr. 3, 2003; lowest recorded, 57.54 ft below land-surface datum , July 25, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	57.39	JAN 07	56.90	APR 03	55.57	JUL 29	56.56
WATER YEAR 2003		HIGHEST	55.57	APR 03, 2003	LOWEST	57.39	OCT 17, 2002



BEAUREGARD PARISH—Continued

LOCAL NUMBER.--Be-501, Site ID 305035093305402.

LOCATION.--Lat 30°50'35", long 93°30'54", Hydrologic Unit 12010005, Sec.32, T 2S, R.11W.

AQUIFER.--Jasper aquifer of Miocene age (122JSPR).

WELL CHARACTERISTICS.--Depth 755 ft, screened 735-755 ft, casing diameter 4 in.

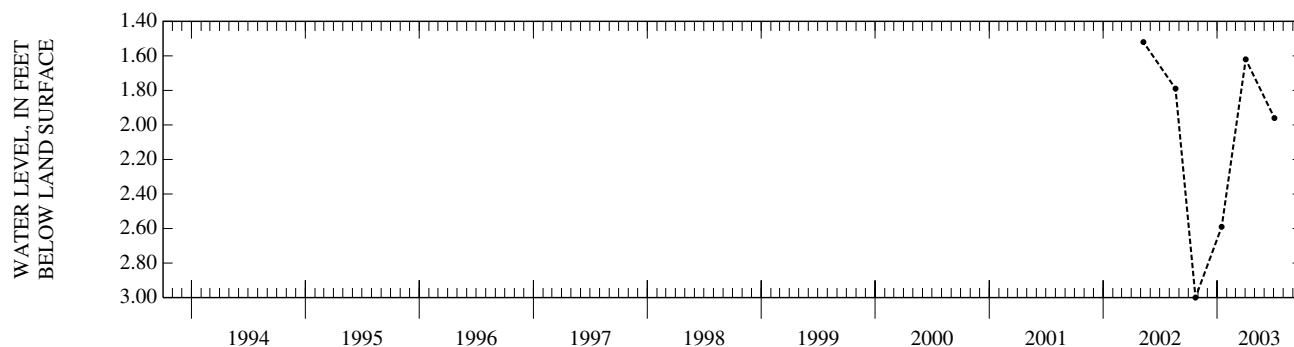
DATUM.--Elevation of land surface datum is 105 ft above NGVD of 1929. Measuring point: 3/8-in. hole drilled in west side of PVC casing, 2.1 feet above land-surface datum.

PERIOD OF RECORD.--2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.52 ft. below land-surface datum, May 9, 2002; lowest recorded, 3.00 ft below land-surface datum, Oct. 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.00	JAN 15	2.59	APR 02	1.62	JUL 03	1.96
WATER YEAR 2003		HIGHEST	1.62	APR 02, 2003	LOWEST	3.00	OCT 23, 2002



BEAUREGARD PARISH—Continued

LOCAL NUMBER.--Be-505, Site ID 305037093090404.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 887 ft, screened 841-887 ft, casing diameter 12 3/4 to 8 5/8 in.

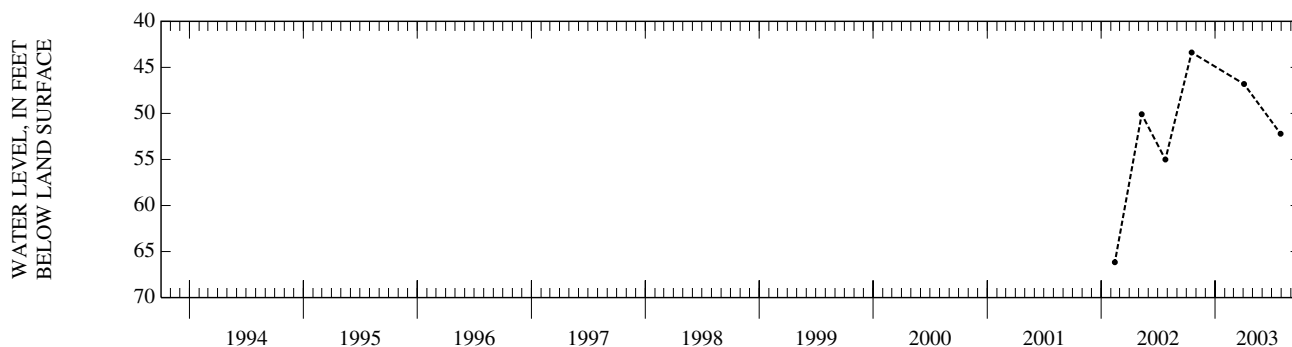
DATUM.--Elevation of land surface datum is 181 ft above NGVD of 1929. Measuring point: Bottom lip of 2-in. elbow for breather on northwest side of casing, 3.55 feet above land-surface datum.

PERIOD OF RECORD.--1988, current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 36.0 ft. below land-surface datum (reported), Aug. 2, 1988; lowest recorded, 66.16 ft below land-surface datum, Feb. 13, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	43.38	APR 03	46.81	JUL 29	52.20
WATER YEAR 2003 HIGHEST 43.38 OCT 17, 2002 LOWEST 52.20 JUL 29, 2003					



BIENVILLE PARISH

LOCAL NUMBER.--Bi-144, Site ID 323505092535001.

LOCATION.--Lat 32°35'05", long 92°53'50", Hydrologic Unit 08040206, Sec. 4, T. 18N, R. 5W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 630 ft, screened 620-630 ft, casing diameter 2 in.

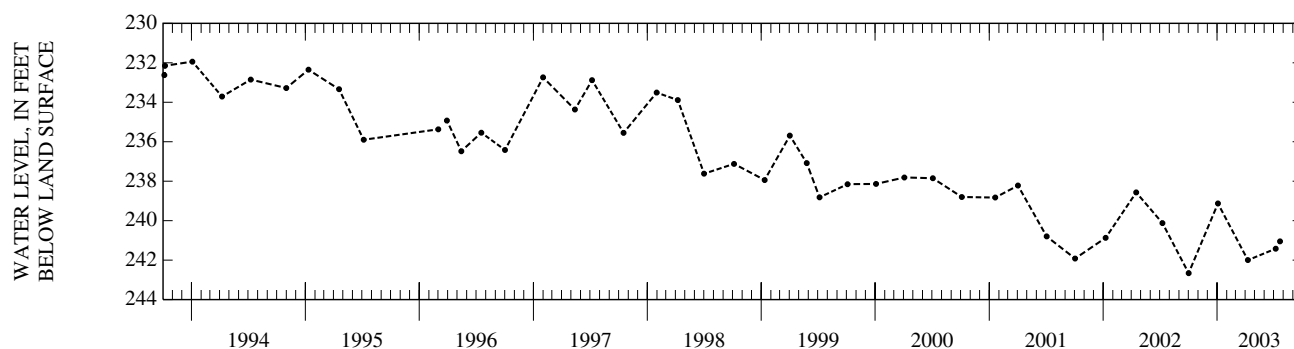
DATUM.--Elevation of land surface datum is 320 ft above NGVD of 1929. Measuring point: Top of casing, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--1970-73, 1975, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 198.27 ft below land-surface datum, Sept. 1, 1970; lowest recorded, 242.66 ft below land-surface datum, Oct. 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	242.66	JAN 03	239.13	APR 09	242.00	JUL 07	241.42	JUL 21	241.05
WATER YEAR 2003 HIGHEST 239.13 JAN 03, 2003 LOWEST 242.66 OCT 01, 2002									



BIENVILLE PARISH—Continued

LOCAL NUMBER.--Bi-166, Site ID 322436092500501.

LOCATION.--Lat 32°24'36", long 92°50'05", Hydrologic Unit 08040303, Sec. 1, T. 16N, R. 5W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 472 ft, screened 462-472 ft, casing diameter 2 in.

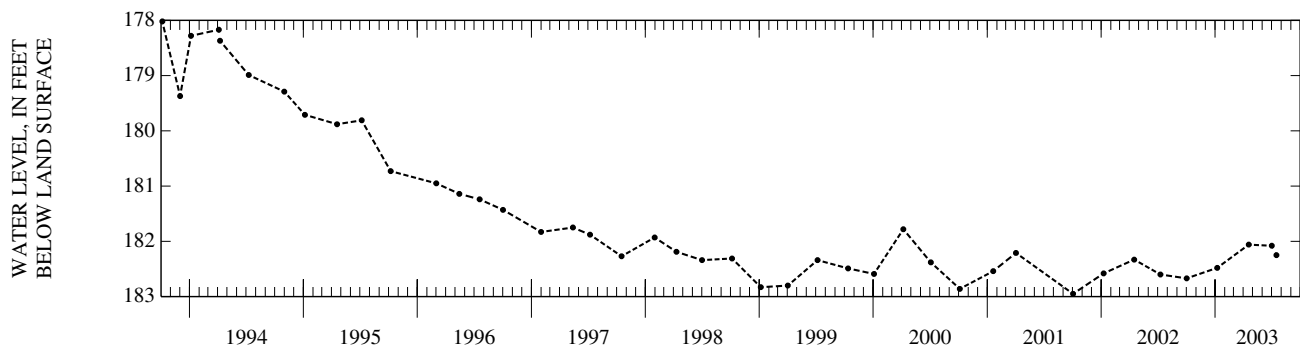
DATUM.--Elevation of land surface datum is 260 ft above NGVD of 1929. Measuring point: Top of bushing, 0.2 ft above land-surface datum.

PERIOD OF RECORD.--1975-82, 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 155.21 ft below land-surface datum, Apr. 28, 1975; lowest recorded, 182.95 ft below land-surface datum, Oct. 2, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	182.67	JAN 07	182.48	APR 18	182.06	JUL 01	182.08	JUL 16	182.25
WATER YEAR 2003 HIGHEST 182.06 APR 18, 2003 LOWEST 182.67 OCT 01, 2002									



BIENVILLE PARISH—Continued

LOCAL NUMBER.--Bi-214, Site ID 322343093211501.

LOCATION.--Lat 32°23'43", long 93°21'15", Hydrologic Unit 11140203, Sec. 1, T. 16N, R.10W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 159 ft, screened 149-159 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 177 ft above NGVD of 1929. Measuring point: Marks on top of casing, 4.12 ft above land-surface datum.

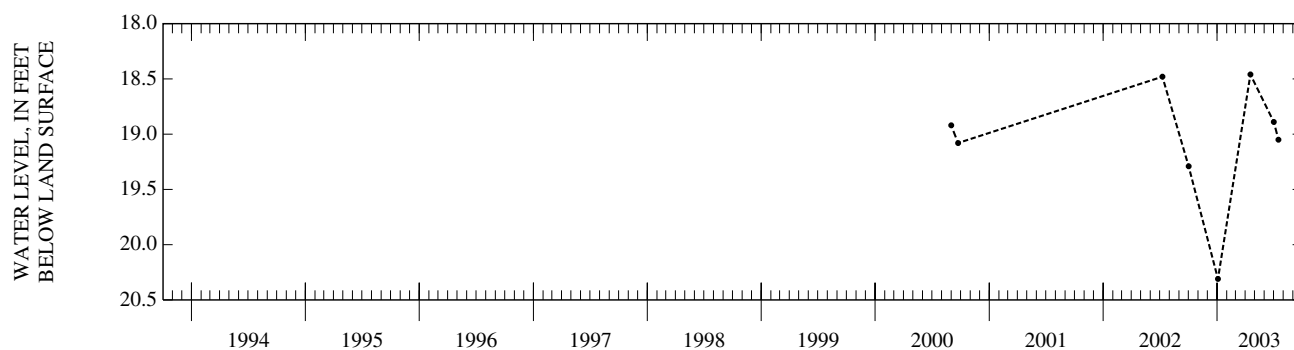
PERIOD OF RECORD.--1979-87, 1991, 2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 17.95 ft below land-surface datum, Nov. 22, 1991; lowest recorded, 22.55 ft below land-surface datum, Sept. 4, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	19.29	JAN 03	20.31	APR 17	18.46	JUL 01	18.89	JUL 16	19.05

WATER YEAR 2003 HIGHEST 18.46 APR 17, 2003 LOWEST 20.31 JAN 03, 2003



BIENVILLE PARISH—Continued

LOCAL NUMBER.--Bi-216, Site ID 322119092572301.

LOCATION.--Lat 32°21'19", long 92°57'23", Hydrologic Unit 11140208, Sec. 23, T.16N, R. 6W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 300 ft, screened 290-300 ft, casing diameter 2 in.

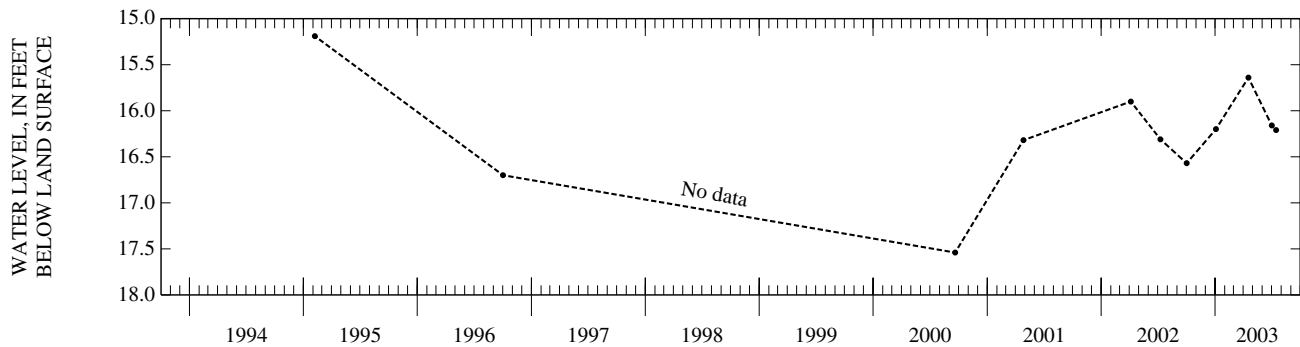
DATUM.--Elevation of land surface datum is 200 ft above NGVD of 1929. Measuring point: File marks on top of 2-in. casing, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--1979-87, 1989-90, 1995-96, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.82 ft below land-surface datum, May 19, 1980; lowest recorded, 17.54 ft below land-surface datum, Sept. 19, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	16.57	JAN 03	16.20	APR 17	15.64	JUL 01	16.16	JUL 15	16.21
WATER YEAR 2003 HIGHEST		15.64	APR 17, 2003	LOWEST	16.57	OCT 01, 2002			



BOSSIER PARISH

LOCAL NUMBER.--Bo-265, Site ID 323601093354101.

LOCATION.--Lat 32°36'01", long 93°35'41", Hydrologic Unit 11140205, Sec.34, T.19N, R.12W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 258 ft, screened 248-258 ft, casing diameter 2 in.

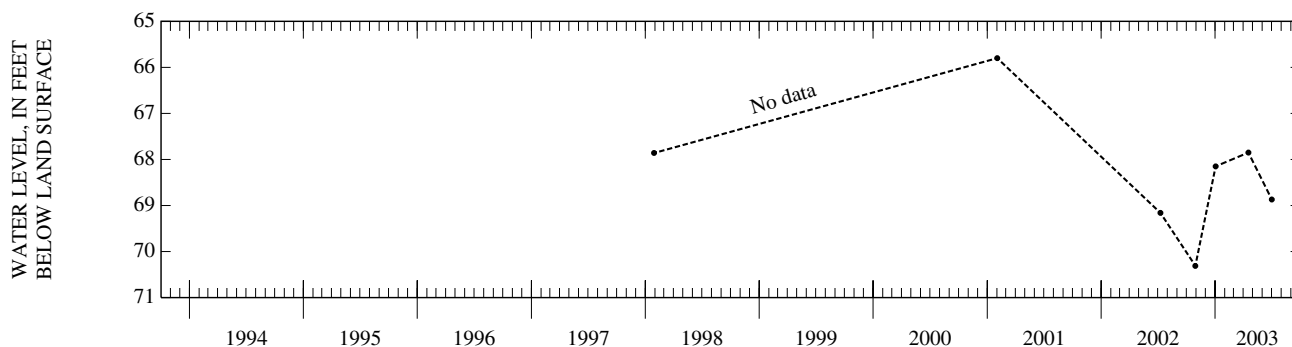
DATUM.--Elevation of land surface datum is 220 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--1970-73, 1998, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 65.80 ft below land-surface datum, Feb. 1, 2001; lowest recorded, 122.10 ft below land-surface datum, May 29, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	70.31	JAN 02	68.15	APR 17	67.85	JUL 01	68.87
WATER YEAR 2003 HIGHEST 67.85		APR 17, 2003		LOWEST 70.31		OCT 29, 2002	



BOSSIER PARISH—Continued

LOCAL NUMBER.--Bo-322, Site ID 323400093292201.

LOCATION.--Lat 32°34'00", long 93°29'22", Hydrologic Unit 11140203, Sec. 10, T.18N, R.11W.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 66 ft, screened 63-66 ft, casing diameter 1 1/4 in.

DATUM.--Elevation of land surface datum is 200 ft above NGVD of 1929. Measuring point: Top of 1 1/4-in. by 1/2-in. bushing, 2.8 above land-surface datum.

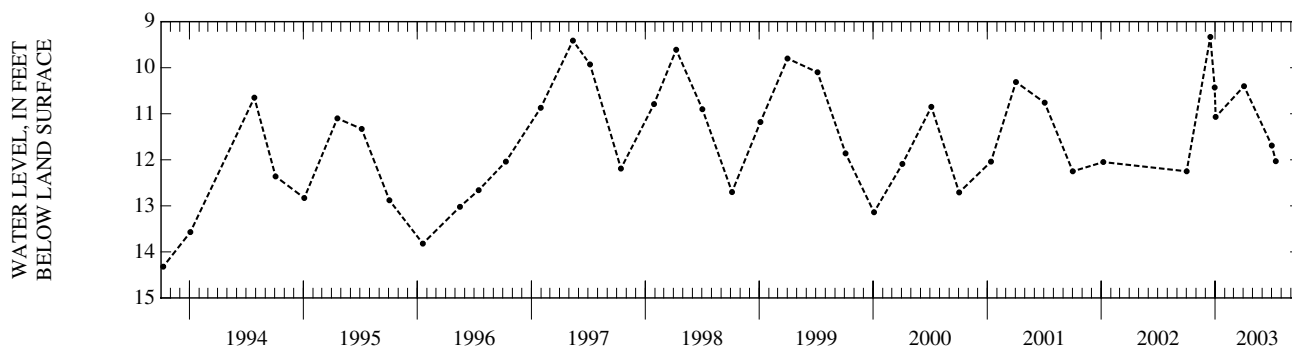
PERIOD OF RECORD.--1973, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.39 ft below land-surface datum, Apr. 17, 2002; lowest recorded, 17.53 ft below land-surface datum, Nov. 2, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	12.25	DEC 30	10.43	APR 03	10.40	JUL 14	12.03
DEC 16	9.33	JAN 02	11.07	JUL 01	11.69		

WATER YEAR 2003 HIGHEST 9.33 DEC 16, 2002 LOWEST 12.25 OCT 01, 2002



BOSSIER PARISH—Continued

LOCAL NUMBER.--Bo-377, Site ID 323103093414201.

LOCATION.--Lat 32°31'03", long 93°41'42", Hydrologic Unit 11140204, Sec.27, T.18N, R.13W.

AQUIFER.--Red River alluvial aquifer of Pleistocene age (112RRVA).

WELL CHARACTERISTICS.--Depth 55 ft, screened 52-55 ft, casing diameter 1.25 in.

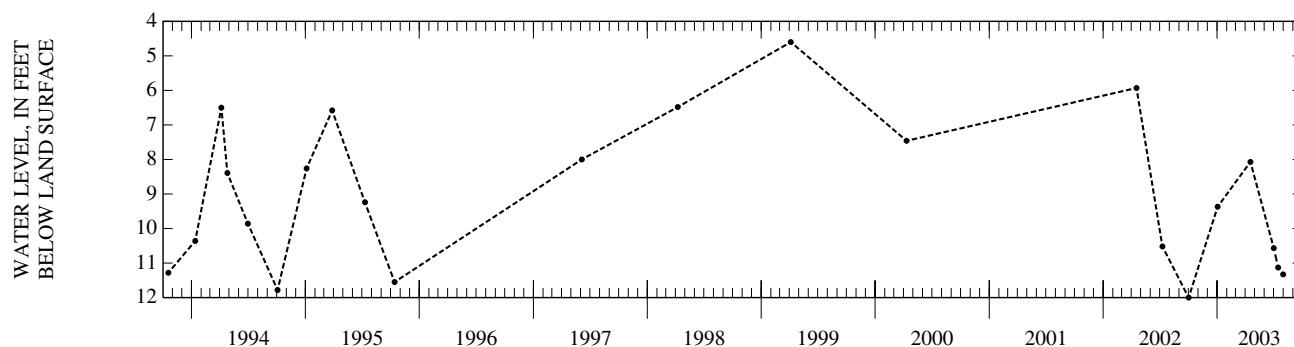
DATUM.--Elevation of land surface datum is 166.30 ft above NGVD of 1929. Measuring point: Top of 2-in. bushing, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--1978-95, 1997-2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.85 ft below land-surface datum, Mar. 6, 1987; lowest recorded, 15.23 ft below land-surface datum, Nov. 2, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	12.00	JAN 02	9.37	APR 17	8.07	JUL 01	10.57	JUL 15	11.13	JUL 31	11.33
WATER YEAR 2003				HIGHEST	8.07	APR 17, 2003	LOWEST	12.00	OCT 01, 2002		



CADDO PARISH

LOCAL NUMBER.--Cd-336, Site ID 324207093484801.

LOCATION.--Lat 32°42'07", long 93°48'48", Hydrologic Unit 11140202, Sec.28, T.20N, R.14W.

AQUIFER.--Red River alluvial aquifer of Pleistocene age (112RRVA).

WELL CHARACTERISTICS.--Depth 86 ft, screened 83-86 ft, casing diameter 1.25 in.

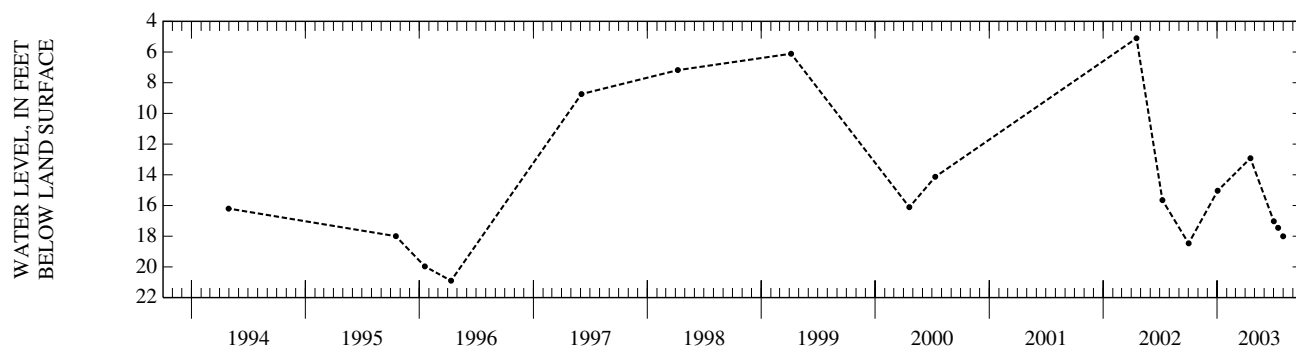
DATUM.--Elevation of land surface datum is 182.47 ft above NGVD of 1929. Measuring point: Top of 1 1/4-in. casing, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--1956-60, 1963-2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.4 ft below land-surface datum, Feb. 11, 1975; lowest recorded, 23.48 ft below land-surface datum, Oct. 19, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	18.47	JAN 02	15.04	APR 17	12.92	JUL 01	17.03	JUL 15	17.45	JUL 31	18.01
WATER YEAR 2003				HIGHEST	12.92	APR 17, 2003	LOWEST	18.47	OCT 01, 2002		



CALCASIEU PARISH

LOCAL NUMBER.--Cu-769, Site ID 301336093183001.

LOCATION.--Lat 30°13'36", long 93°18'30", Hydrologic Unit 08080206, Sec. 5, T.10S, R. 9W.

AQUIFER.--"700-foot" sand of Lake Charles area of Pleistocene age (11207LC).

WELL CHARACTERISTICS.--Depth 642 ft, screened 632-642 ft, casing diameter 2 in.

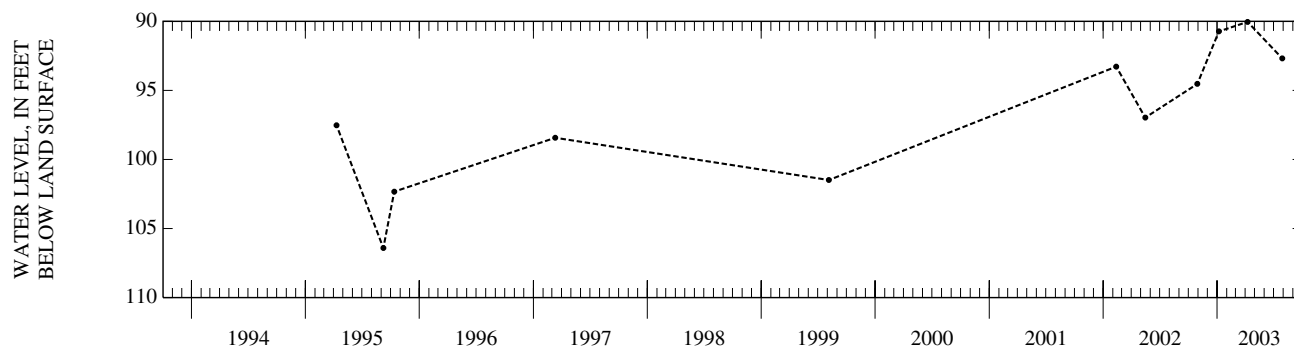
DATUM.--Elevation of land surface datum is 17.62 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1963-79, 1981-83, 1985, 1991, 1995, 1997, 1999, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 90.04 ft below land-surface datum, Apr. 8, 2003; lowest recorded, 146.44 ft below land-surface datum, July 25, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	94.53	JAN 06	90.73	APR 08	90.04	JUL 28	92.68
WATER YEAR 2003 HIGHEST 90.04 APR 08, 2003				LOWEST 94.53 OCT 29, 2002			



CALCASIEU PARISH—Continued

LOCAL NUMBER.--Cu-771, Site ID 301336093183002.

LOCATION.--Lat 30°13'36", long 93°18'30", Hydrologic Unit 08080206, Sec. 5, T.10S, R. 9W

AQUIFER.--"200-foot" sand of Lake Charles area of Pliocene age (11202LC).

WELL CHARACTERISTICS.--Depth 241 ft, screened 231-241 ft, casing diameter 2 in.

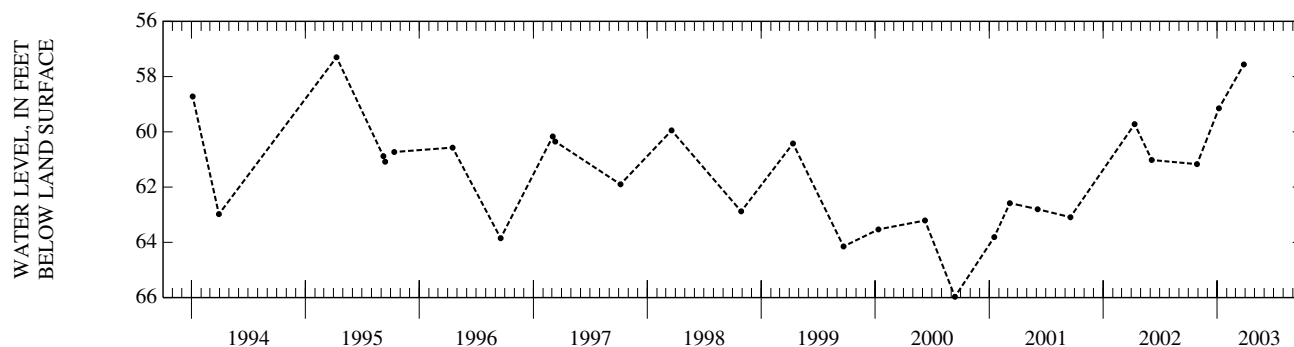
DATUM.--Elevation of land surface datum is 17.76 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1963-1979, 1981-1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 54.97 ft below land-surface datum, Mar. 28, 1963; lowest recorded, 83.83 ft below land-surface datum, July 21, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	61.17	JAN 06	59.15	MAR 27	57.56
WATER YEAR 2003 HIGHEST 57.56 MAR 27, 2003 LOWEST 61.17 OCT 28, 2002					



CALCASIEU PARISH—Continued

LOCAL NUMBER.--Cu-787, Site ID 300353093210201.

LOCATION.--Lat 30°03'53", long 93°21'02", Hydrologic Unit 08080206, Sec. 36, T.11S, R.10W.

AQUIFER.--"500-foot" sand of Lake Charles area of Pleistocene age (11205LC).

WELL CHARACTERISTICS.--Depth 734 ft, screened 729-734 ft, casing diameter 4 in.

DATUM.--Elevation of land surface datum is 4.33 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 4.0 ft above land-surface datum.

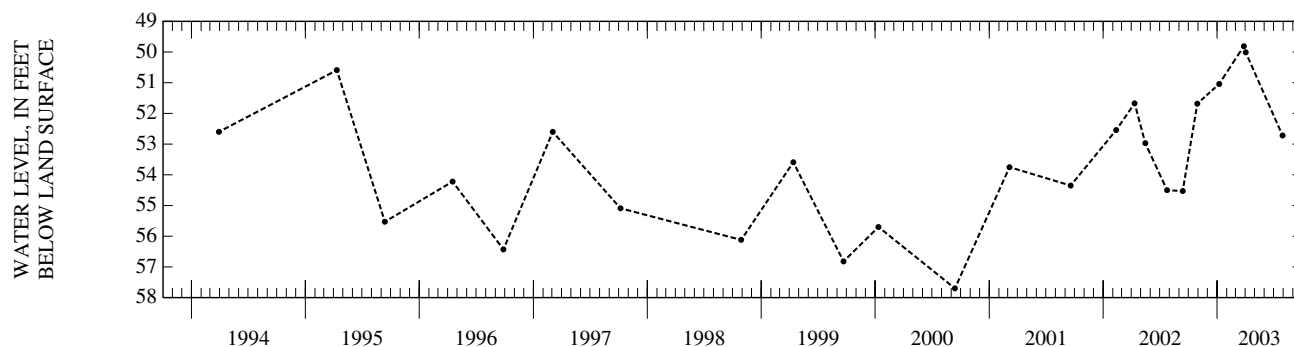
PERIOD OF RECORD.--1964-79, 1981-83, 1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 46.98 ft below land-surface datum, Apr. 13, 1965; lowest recorded, 78.58 ft below land-surface datum, Aug. 2, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	51.68	JAN 07	51.04	MAR 27	49.81	APR 02	50.01	JUL 29	52.72

WATER YEAR 2003 HIGHEST 49.81 MAR 27, 2003 LOWEST 52.72 JUL 29, 2003



CALCASIEU PARISH—Continued

LOCAL NUMBER.--Cu-843, Site ID 301148093193202.

LOCATION.--Lat 30°11'48", long 93°19'32", Hydrologic Unit 08080206, Sec. 18, T.10S, R. 9W.

AQUIFER.--"200-foot" sand of Lake Charles area of Pleistocene age (11202LC).

WELL CHARACTERISTICS.--Depth 205 ft, screened 200-205 ft, casing diameter 2 in.

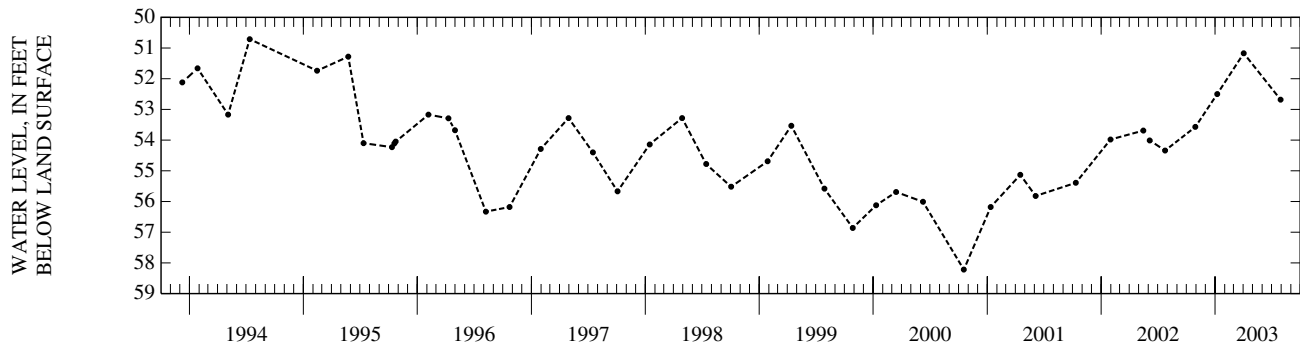
DATUM.--Elevation of land surface datum is 12 ft above NGVD of 1929. Measuring point: Lip of 2-in. casing, 0.87 ft below land-surface datum.

PERIOD OF RECORD.--1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 50.41 ft. below land-surface datum, Feb. 23, 1993; lowest recorded, 73.05 ft below land-surface datum, Sept. 10, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	53.57	JAN 07	52.50	APR 02	51.17	JUL 29	52.68
WATER YEAR 2003 HIGHEST		51.17	APR 02, 2003	LOWEST		53.57	OCT 29, 2002



GROUND-WATER LEVELS
CALCASIEU PARISH—Continued

LOCAL NUMBER.--Cu-958, Site ID 301944093170401.

LOCATION.--Lat 30°19'44", long 93°22'04", Hydrologic Unit 08080205, Sec.35, T. 8S, R.10W.

AQUIFER.--"700-foot" sand of Lake Charles area of Pleistocene age (11207LC).

WELL CHARACTERISTICS.--Depth 707 ft, screened 702-707 ft, casing diameter 2 in.

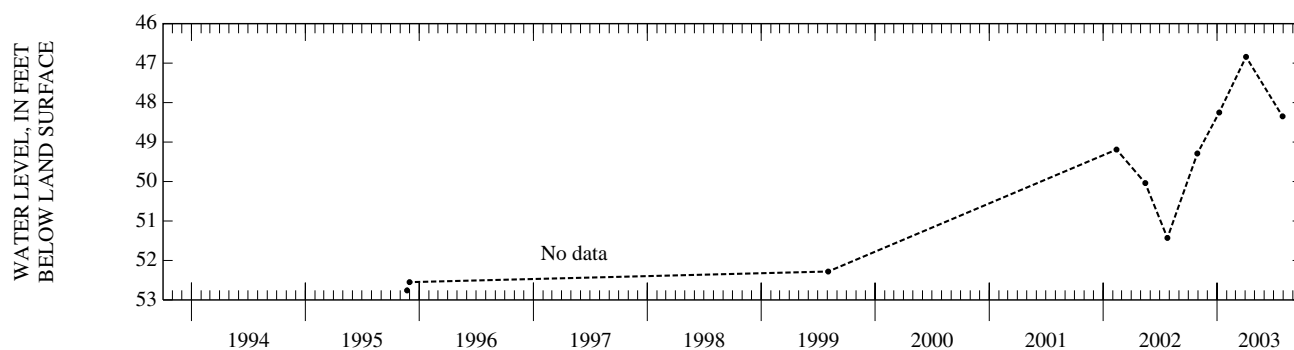
DATUM.--Elevation of land surface datum is 20 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1974-79, 1981-83, 1985, 1995, 1999, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 46.84 ft below land-surface datum, Apr. 3, 2003; lowest recorded, 73.68 ft below land-surface datum, Aug. 1, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	49.29	JAN 07	48.25	APR 03	46.84	JUL 29	48.35
WATER YEAR 2003 HIGHEST		46.84	APR 03, 2003	LOWEST		49.29	OCT 29, 2002



CALCASIEU PARISH—Continued

LOCAL NUMBER.--Cu-959, Site ID 301031093204901.

LOCATION.--Lat 30°10'31", long 93°20'49", Hydrologic Unit 08080206, Sec. 24, T.10S, R.10W.

AQUIFER.--"700-foot" sand of Lake Charles area of Pleistocene age (11207LC).

WELL CHARACTERISTICS.--Depth 733 ft, screened 727-733 ft, casing diameter 2 in.

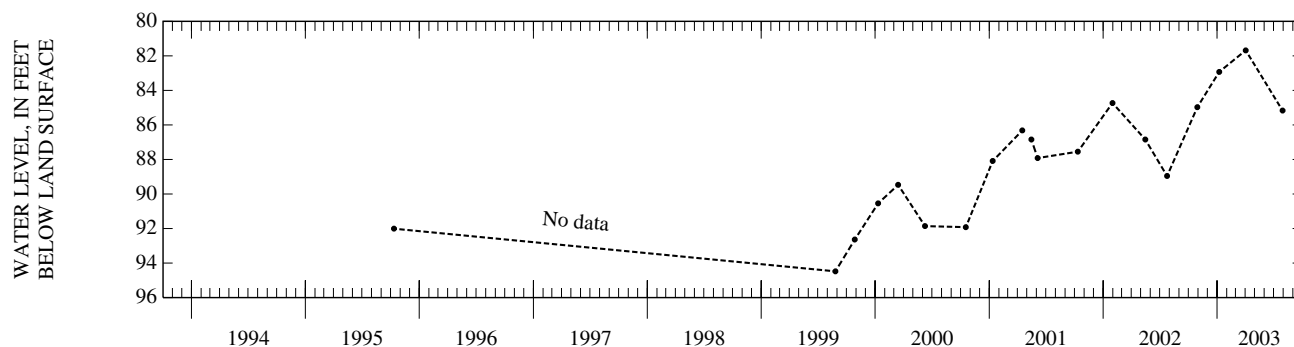
DATUM.--Elevation of land surface datum is 21 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 0.14 ft below land-surface datum.

PERIOD OF RECORD.--1974-85, 1991, 1995, 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 81.68 ft below land-surface datum, Aprl 2, 2003; lowest recorded, 128.70 ft below land-surface datum, Aug. 1, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	84.97	JAN 07	82.93	APR 02	81.68	JUL 29	85.17
WATER YEAR 2003		HIGHEST	81.68	APR 02, 2003	LOWEST	85.17	JUL 29, 2003



CALCASIEU PARISH—Continued

LOCAL NUMBER.--Cu-977, Site ID 301944093170402.

LOCATION.--Lat 30°19'44", long 93°22'04", Hydrologic Unit 08080205, Sec.35, T. 8S, R.10W.

AQUIFER.--"500-foot" sand of Lake Charles area of Pleistocene age (11205LC).

WELL CHARACTERISTICS.--Depth 515 ft, screened 510-515 ft, casing diameter 2 in.

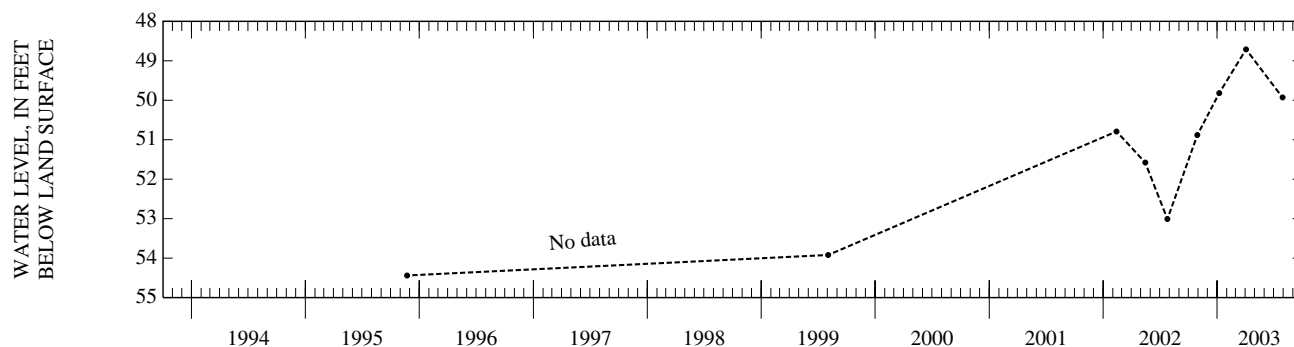
DATUM.--Elevation of land surface datum is 20 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.45 ft above land-surface datum.

PERIOD OF RECORD.--1974-79, 1981-83, 1985, 1995, 1999, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 48.71 ft below land-surface datum, Apr. 3, 2003; lowest recorded, 71.87 ft below land-surface datum, Aug. 19, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	50.88	JAN 07	49.82	APR 03	48.71	JUL 29	49.93
WATER YEAR 2003 HIGHEST		48.71	APR 03, 2003	LOWEST		50.88	OCT 29, 2002



CALCASIEU PARISH—Continued

LOCAL NUMBER.--Cu-988, Site ID 301059093125101.

LOCATION.--Lat 30°10'59", long 93°12'51", Hydrologic Unit 08080206, Sec. 19, T.10S, R. 8W.

AQUIFER.--"500-foot" sand of Lake Charles area of Pleistocene age (11205LC).

WELL CHARACTERISTICS.--Depth 523 ft, screened 518-523 ft, casing diameter 2 in.

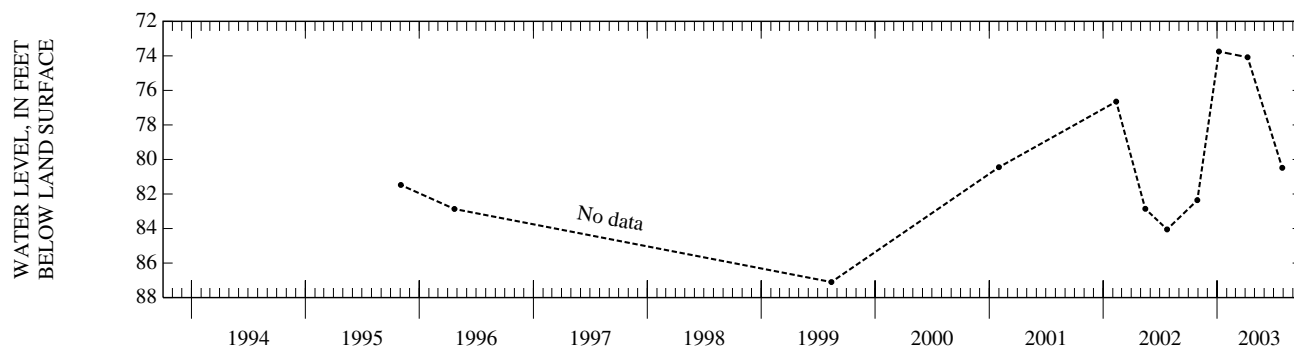
DATUM.--Elevation of land surface datum is 14 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 0.1 ft above land-surface datum.

PERIOD OF RECORD.--1976-83, 1985, 1991, 1995-96, 1999, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 73.75 ft below land-surface datum, Jan. 6, 2003; lowest recorded, 113.62 ft below land-surface datum, July 19, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	82.36	JAN 06	73.75	APR 08	74.08	JUL 28	80.48
WATER YEAR 2003		HIGHEST	73.75	JAN 06, 2003	LOWEST	82.36	OCT 29, 2002



CALDWELL PARISH

LOCAL NUMBER.--Ca-86A, Site ID 320154092164602.

LOCATION.--Lat 32°01'54", long 92°16'46", Hydrologic Unit 08040302, Sec. 8, T.12N, R. 2E.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 288 ft, screened 278-288 ft, casing diameter 2 in.

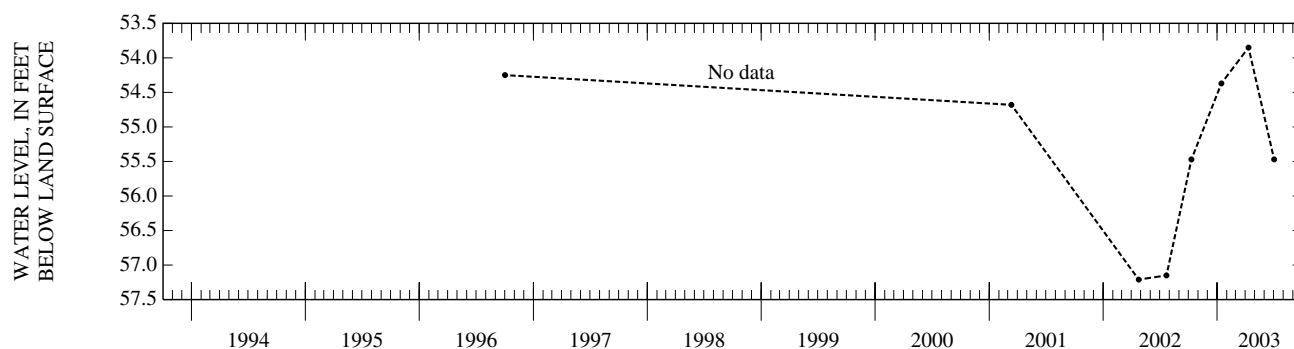
DATUM.--Elevation of land surface datum is 160 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.83 ft above land-surface datum.

PERIOD OF RECORD.--1974-87, 1996, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 48.45 ft below land-surface datum, Jan. 13, 1976; lowest recorded, 61.14 ft below land-surface datum, Aug. 12, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	55.47	JAN 14	54.37	APR 11	53.85	JUL 02	55.47
WATER YEAR 2003		HIGHEST	53.85	APR 11, 2003	LOWEST	55.47	OCT 10, 2002



CALDWELL PARISH—Continued

LOCAL NUMBER.--Ca-86B, Site ID 320154092164601.

LOCATION.--Lat 32°01'54", long 92°16'46", Hydrologic Unit 08040302, Sec. 8, T.12N, R. 2E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 545 ft, screened 535-545 ft, casing diameter 2 in.

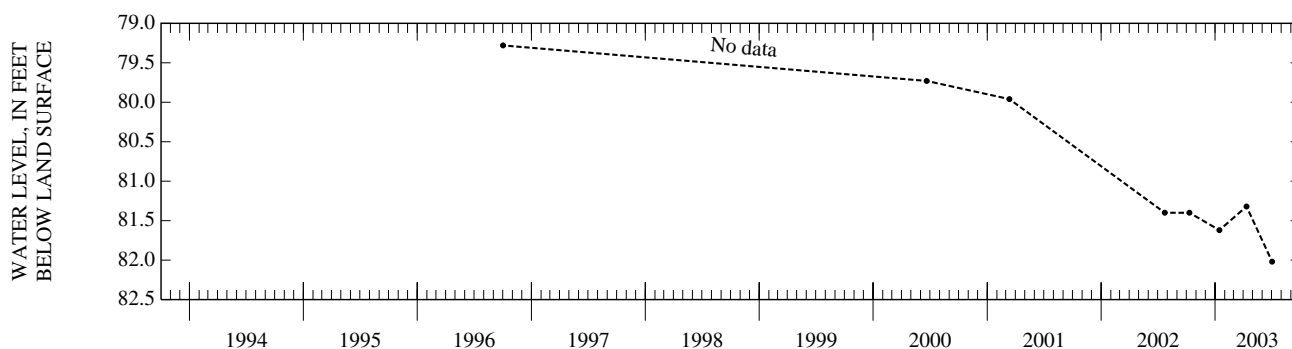
DATUM.--Elevation of land surface datum is 160 ft above NGVD of 1929. Measuring point: Top of casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--1974-87, 1989, 1996, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 77.30 ft below land-surface datum, Mar. 13, 1979; lowest recorded, 85.76 ft below land-surface datum, Dec. 10, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	81.40	JAN 14	81.62	APR 11	81.32	JUL 02	82.02
WATER YEAR 2003		HIGHEST	81.32	APR 11, 2003	LOWEST	82.02	JUL 02, 2003



CALDWELL PARISH—Continued

LOCAL NUMBER.--Ca-130, Site ID 320555092043501.

LOCATION.--Hydrologic Unit 08040207.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 260 ft, screened 240-260 ft, casing diameter 4 in.

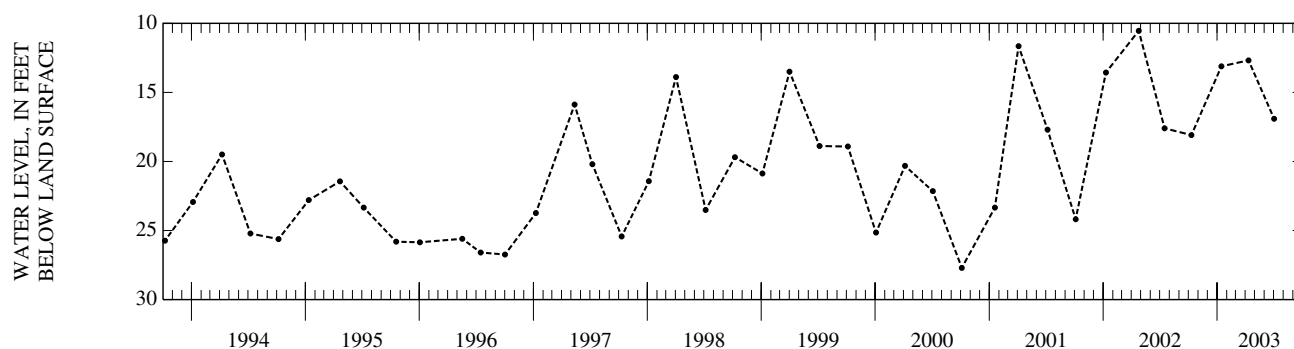
DATUM.--Elevation of land surface datum is 90 ft above NGVD of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.54 ft below land-surface datum, Apr. 24, 2002; lowest recorded, 27.70 ft below land-surface datum, Oct. 4, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	18.09	JAN 14	13.11	APR 11	12.68	JUL 02	16.91
WATER YEAR 2003		HIGHEST	12.68	APR 11, 2003	LOWEST	18.09	OCT 10, 2002



CAMERON PARISH

LOCAL NUMBER.--Cn-80L, Site ID 295846092381105.

LOCATION.--Lat 29°58'46", long 92°38'11", Hydrologic Unit 08080202, Sec. 24, T.12S, R. 3W.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 481 ft, screened 475-481 ft, casing diameter 2 in.

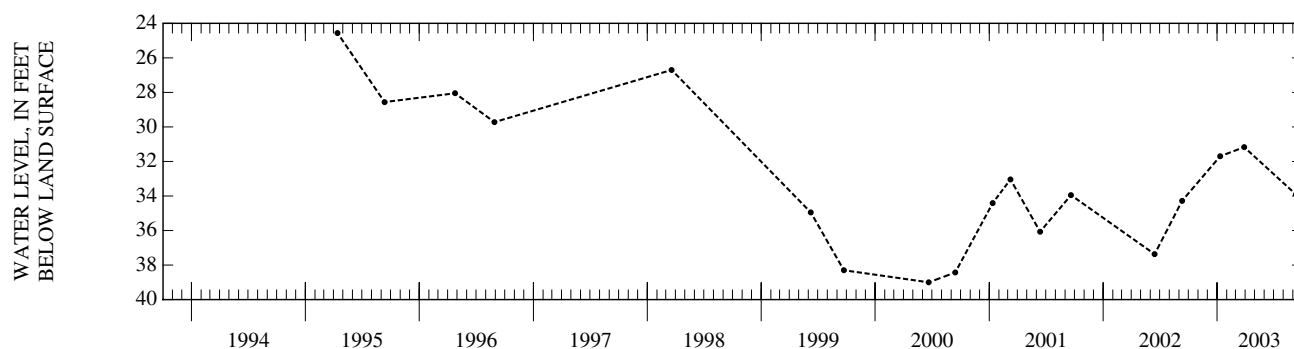
DATUM.--Elevation of land surface datum is 4.73 ft above NGVD of 1929. Measuring point: Top of 1-in. casing, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--1964-83, 1985, 1990-1991, 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.47 below land-surface datum, Mar. 22, 1965; lowest recorded, 39.00 ft below land-surface datum, June 20, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 10	31.70	MAR 28	31.17	SEP 10	33.91
WATER YEAR 2003 HIGHEST 31.17 MAR 28, 2003 LOWEST 33.91 SEP 10, 2003					



GROUND-WATER LEVELS
CAMERON PARISH—Continued

LOCAL NUMBER.--Cn-81L, Site ID 300125092382504.

LOCATION.--Lat 30°01'25", long 92°38'25", Hydrologic Unit 08080202, Sec. 11, T.12S, R. 3W.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 478 ft, screened 468-478 ft, casing diameter 1 in.

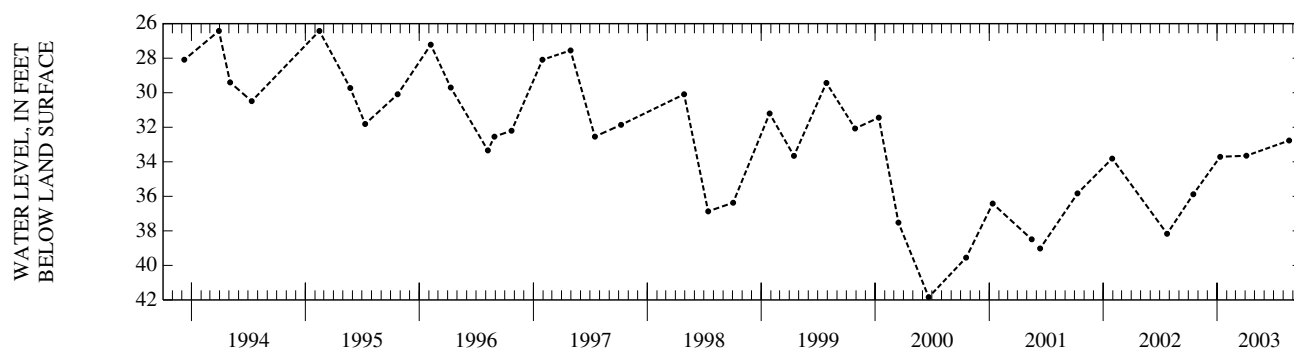
DATUM.--Elevation of land surface datum is 4.45 ft above NGVD of 1929. Measuring point: Top of 2-in. pipe, 3.6 ft above land-surface datum.

PERIOD OF RECORD.--1964-83, 1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.99 ft below land-surface datum, Mar. 22, 1965; lowest recorded, 41.84 ft below land-surface datum, June 20, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	35.88	JAN 10	33.71	APR 04	33.65	AUG 19	32.77
WATER YEAR 2003 HIGHEST 32.77		AUG 19, 2003		LOWEST 35.88		OCT 16, 2002	



CAMERON PARISH—Continued

LOCAL NUMBER.--Cn-90, Site ID. 295611093044801.

LOCATION.--Lat 29°56'11", long 93°04'48", Hydrologic Unit 08080202, Sec. 4, T. 13S, R. 7W.

AQUIFER.--"200-foot" sand of Lake Charles area of Pleistocene age (11202LC).

WELL CHARACTERISTICS.--Depth 396 ft, screened 386-396 ft, casing diameter 4 in.

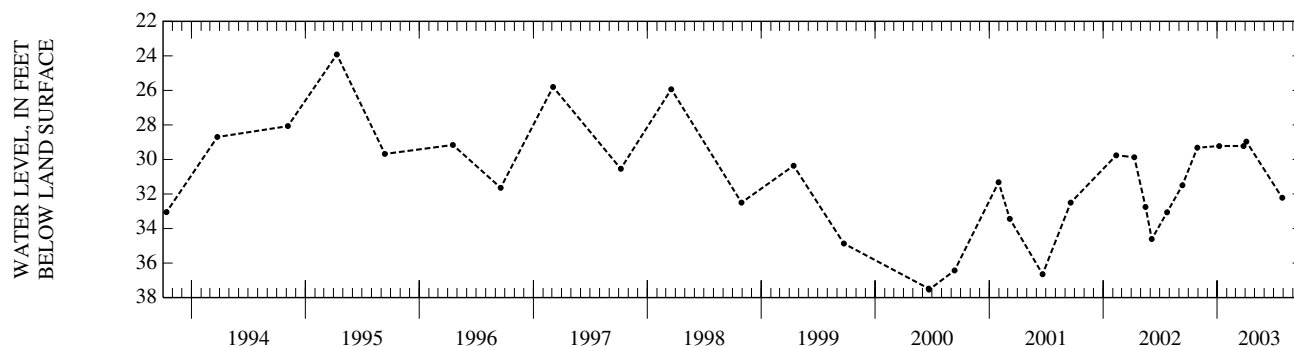
DATUM.--Elevation of land surface datum is 3.19 ft above NGVD of 1929. Measuring point: Top of 2-in. collar after removing 2-in. plug, 4.2 ft above land-surface datum.

PERIOD OF RECORD.--1964, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.40 ft below land-surface datum, Mar. 24, 1964; lowest recorded, 37.61 ft below land-surface datum, Nov. 17, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	29.32	JAN 07	29.22	MAR 26	29.22	APR 04	28.96	JUL 28	32.22
WATER YEAR 2003 HIGHEST 28.96 APR 04, 2003 LOWEST 32.22 JUL 28, 2003									



CAMERON PARISH—Continued

LOCAL NUMBER.--Cn-92, Site ID 300104093015601.

LOCATION.--Lat 30°01'04", long 93°01'56", Hydrologic Unit 08080202, Sec. 12, T.12S, R. 7W.

AQUIFER.--"200-foot" sand of Lake Charles area aquifer of Pleistocene age (11202LC).

WELL CHARACTERISTICS.--Depth 443 ft, screened 438-443 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 5.50 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.0 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

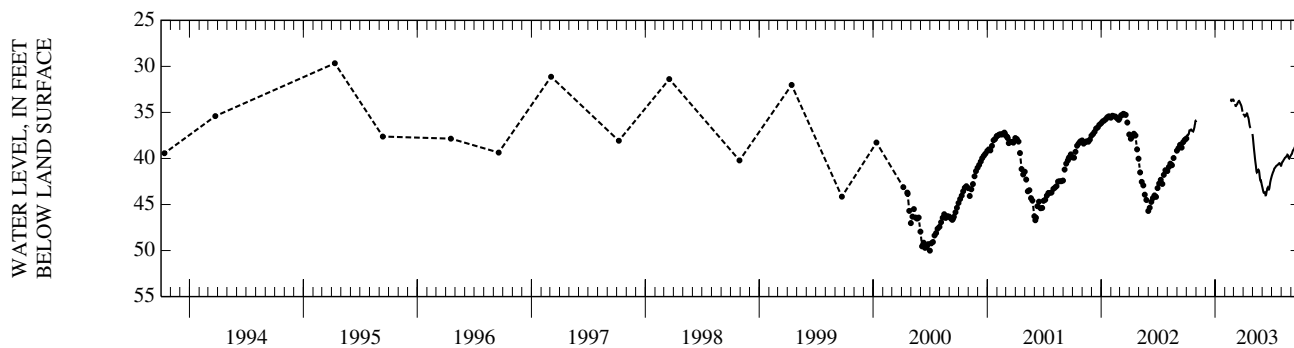
PERIOD OF RECORD.--1964-85, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 26.02 ft below land-surface datum, Apr. 13, 1965; lowest recorded, 53.96 ft below land-surface datum, Aug. 14, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 44.03 ft, June 11, 12; minimum water-level depth below land surface, 33.57 ft, Feb. 21.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.80	35.92	---	---	---	33.71	35.21	37.59	43.16	41.90	40.66	39.61
2	37.74	35.89	---	---	---	33.84	35.23	37.93	43.34	41.78	40.54	39.55
3	37.50	---	---	---	---	---	35.26	38.31	43.48	41.68	40.44	39.52
4	37.44	---	---	---	---	34.03	35.29	38.67	43.62	41.58	40.36	39.42
5	37.45	---	---	---	---	34.10	35.39	39.01	43.72	41.49	40.35	39.29
6	37.43	---	---	---	---	34.20	35.45	39.33	43.75	41.40	40.30	39.20
7	37.39	---	---	---	---	34.30	35.42	39.64	43.74	41.34	40.22	39.12
8	37.34	---	---	---	---	34.31	35.37	39.97	43.71	41.22	40.16	39.06
9	37.13	---	---	---	---	34.26	35.34	40.27	43.70	41.10	40.11	39.03
10	36.96	---	---	---	---	34.19	35.25	40.55	43.85	41.06	40.06	38.99
11	36.95	---	---	---	---	34.13	35.16	40.81	44.00	41.02	40.00	38.93
12	36.93	---	---	---	---	34.11	35.11	41.12	44.00	40.98	39.93	38.81
13	36.94	---	---	---	---	34.02	35.12	41.42	43.90	40.93	39.91	38.75
14	36.91	---	---	---	---	33.92	35.27	41.52	43.68	40.87	39.89	38.76
15	36.86	---	---	---	---	33.89	35.43	41.49	43.51	40.82	39.85	38.73
16	36.86	---	---	---	---	33.84	35.49	41.40	43.38	40.79	39.80	38.69
17	36.92	---	---	---	---	33.77	35.60	41.31	43.23	40.76	39.75	38.64
18	36.97	---	---	---	---	33.75	35.77	41.24	43.17	40.74	39.71	38.68
19	37.02	---	---	---	33.83	33.80	36.00	41.22	43.28	40.73	39.67	38.75
20	37.02	---	---	---	33.79	33.86	36.22	41.26	43.35	40.69	39.59	38.81
21	37.05	---	---	---	33.62	33.95	36.41	41.34	43.38	40.65	39.61	38.57
22	37.07	---	---	---	33.62	34.03	36.56	41.56	43.37	40.62	39.75	38.32
23	36.98	---	---	---	33.67	34.10	36.64	41.89	43.25	40.60	39.85	38.25
24	36.89	---	---	---	33.71	34.17	36.69	42.18	43.05	40.55	39.94	38.18
25	36.74	---	---	---	33.67	34.26	36.73	42.37	42.81	40.56	40.00	38.11
26	36.62	---	---	---	33.61	34.37	---	42.44	42.57	40.52	40.02	38.03
27	36.38	---	---	---	33.60	34.54	---	42.41	42.41	40.54	39.96	38.05
28	36.25	---	---	---	33.63	34.71	---	42.52	42.27	40.65	39.87	38.04
29	35.94	---	---	---	---	34.92	---	42.70	42.14	40.73	39.81	37.98
30	35.90	---	---	---	---	35.09	37.34	42.88	42.01	40.79	39.71	37.90
31	35.93	---	---	---	---	35.16	---	43.03	---	40.78	39.66	---
MAX	37.80	---	---	---	---	---	---	43.03	44.00	41.90	40.66	39.61
MIN	35.90	---	---	---	---	---	---	37.59	42.01	40.52	39.59	37.90



CATAHOULA PARISH

LOCAL NUMBER.--Ct-347, Site ID 315007091410601.

LOCATION.--Lat 31°50'07", long 91°41'06", Hydrologic Unit 08040207, Sec. 42, T.10N, R. 8E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 76 ft, screened 73-76 ft, casing diameter 2 in.

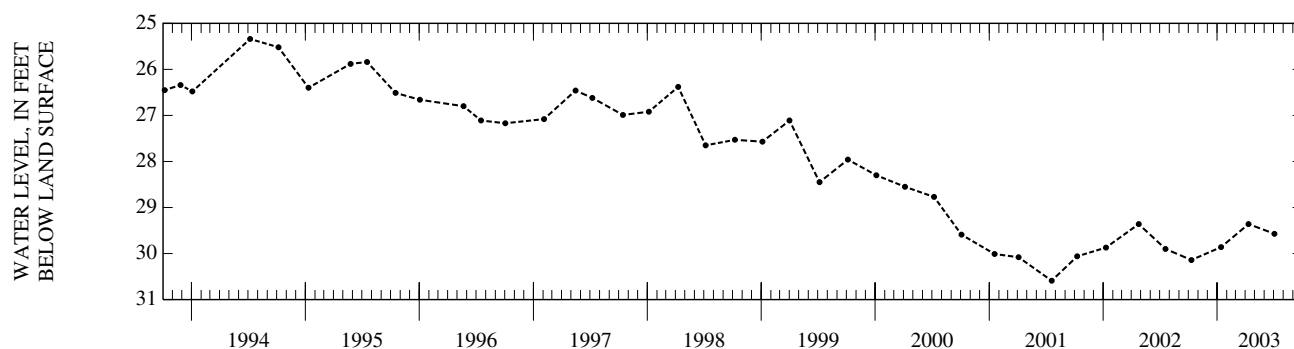
DATUM.--Elevation of land surface datum is 70 ft above NGVD of 1929. Measuring point: Top of bushing, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 25.34 ft below land-surface datum, July 7, 1994; lowest recorded, 30.59 ft below land-surface datum, July 19, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	30.14	JAN 13	29.86	APR 11	29.36	JUL 03	29.57
WATER YEAR 2003		HIGHEST	29.36	APR 11, 2003	LOWEST	30.14	OCT 10, 2002



CLAIBORNE PARISH

LOCAL NUMBER.--CL-58, Site ID 324707093025001.

LOCATION.--Lat 32°47'07", long 93°02'50", Hydrologic Unit 08040206, Sec. 25, T.21N, R. 7W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 482 ft, screened 432-482 ft, casing diameter 12.75 in.

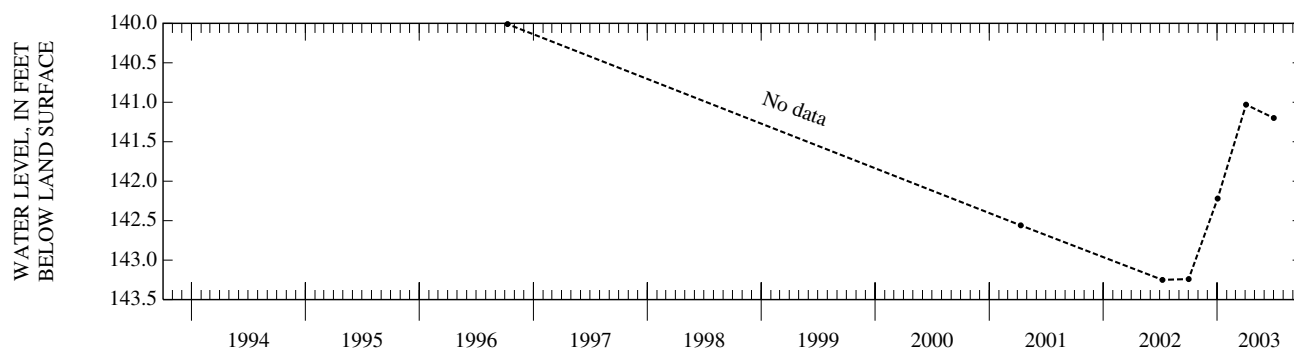
DATUM.--Elevation of land surface datum is 250 ft above NGVD of 1929. Measuring point: Top edge of 1-in. bushing on top of plate cover, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--1955, 1957-87, 1989, 1996, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 95.64 ft below land-surface datum, Jan. 8, 1958; lowest recorded, 143.52 ft below land-surface datum, Sept. 22, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	143.24	JAN 02	142.22	APR 03	141.03	JUL 01	141.20
WATER YEAR 2003 HIGHEST 141.03		APR 03, 2003		LOWEST 143.24		OCT 01, 2002	



CLAIBORNE PARISH—Continued

LOCAL NUMBER.--CI-149, Site ID 330002092445901.

LOCATION.--Lat 33°00'02", long 92°44'59", Hydrologic Unit 08040206, Sec. 11, T.23N, R. 4W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 736 ft, screened 726-736 ft, casing diameter 2 in.

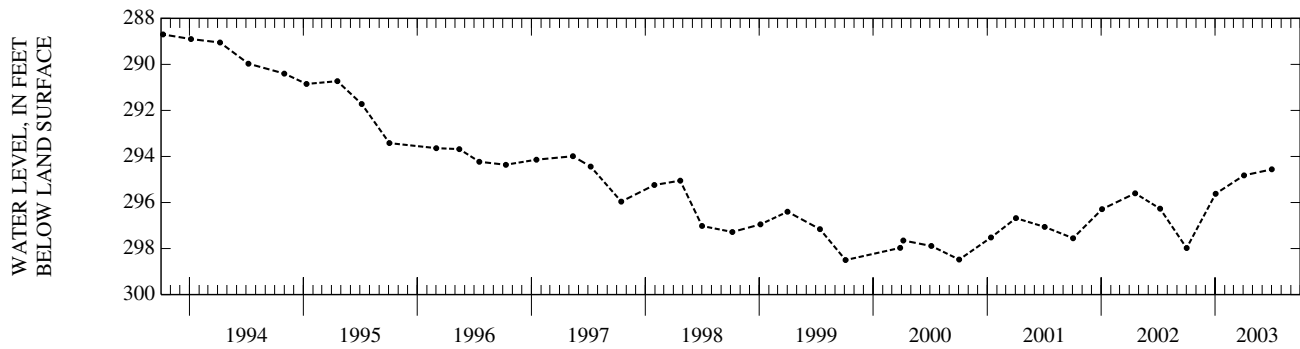
DATUM.--Elevation of land surface datum is 230 ft above NGVD of 1929. Measuring point: Top of bushing, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 264.01 ft below land-surface datum, Feb. 21, 1980; lowest recorded, 298.50 ft below land-surface datum, Oct. 4, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	297.98	JAN 02	295.62	APR 03	294.82	JUL 01	294.56
WATER YEAR 2003 HIGHEST 294.56 JUL 01, 2003				LOWEST 297.98 OCT 01, 2002			



CONCORDIA PARISH

LOCAL NUMBER.--Co-215, Site ID 312630091390001.

LOCATION.--Lat 31°26'30", long 91°39'00", Hydrologic Unit 08040306, Sec. 3, T. 5N, R. 8E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 121 ft, screened 118-121 ft, casing diameter 2 in.

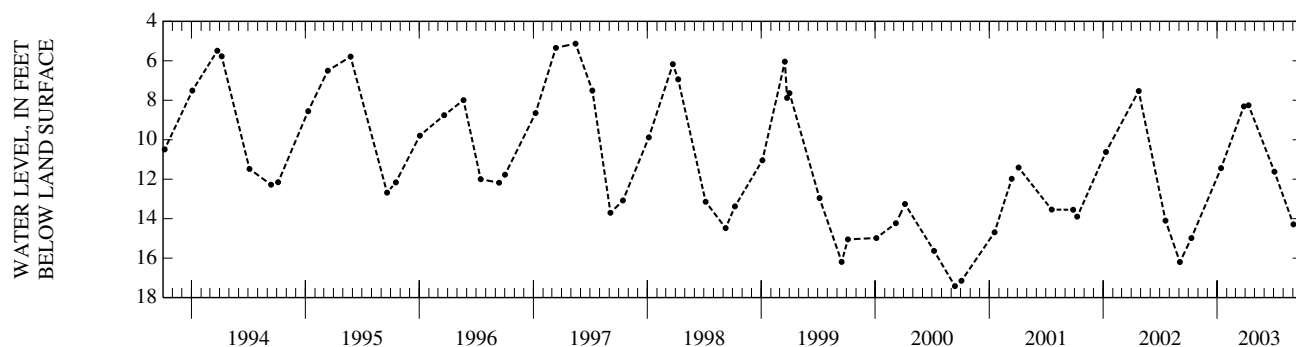
DATUM.--Elevation of land surface datum is 45 ft above NGVD of 1929. Measuring point: File mark on top of PVC bushing, 2.96 ft above land-surface datum.

PERIOD OF RECORD.--1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.13 ft below land-surface datum, May 15, 1997; lowest recorded, 17.42 ft below land-surface datum, Sept. 12, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	14.98	JAN 13	11.44	MAR 27	8.31	APR 11	8.25	JUL 03	11.62	SEP 02	14.29
WATER YEAR 2003		HIGHEST	8.25	APR 11, 2003	LOWEST	14.98	OCT 10, 2002				



DE SOTO PARISH

LOCAL NUMBER.--DS-329, Site ID 321813093470501.

LOCATION.--Hydrologic Unit 11140206.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 258 ft, screened 236-258 ft, casing diameter 8 to 4 in.

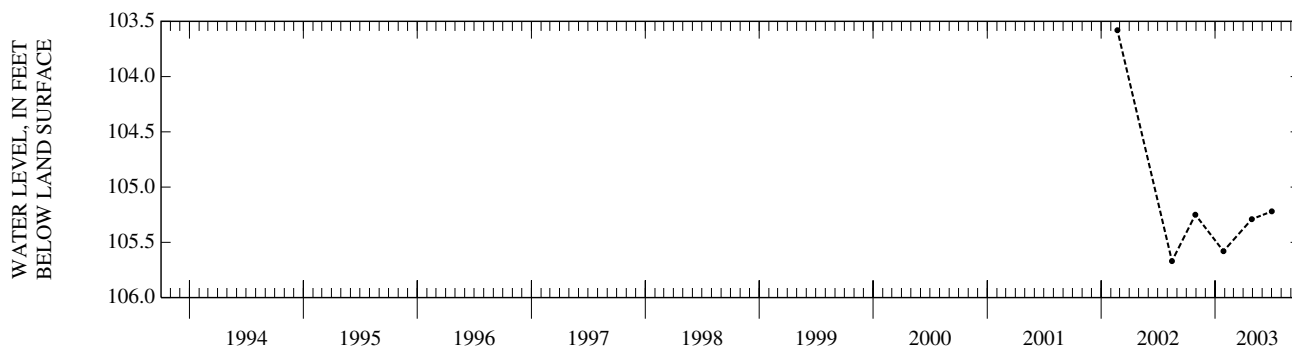
DATUM.--Elevation of land surface datum is 265 ft above NGVD of 1929. Measuring point: Top of breather pipe, 1.2 ft above land-surface datum.

PERIOD OF RECORD.-- 1959 and current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 66.0 ft below land-surface datum (reported), Oct. 16, 1959; lowest recorded, 105.67 ft below land-surface datum, Aug. 15, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	105.25	JAN 27	105.58	APR 28	105.29	JUL 01	105.22
WATER YEAR 2003 HIGHEST		105.22	JUL 01, 2003	LOWEST		105.58	JAN 27, 2003



LOCAL NUMBER.--DS-445, Site ID 315521093343801.

LOCATION.--Lat 31°55'21", long 93°34'38", Hydrologic Unit 12010004, Sec. 22, T. 11N, R. 12W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 140 ft, screened 130-140 ft, casing diameter 2 in.

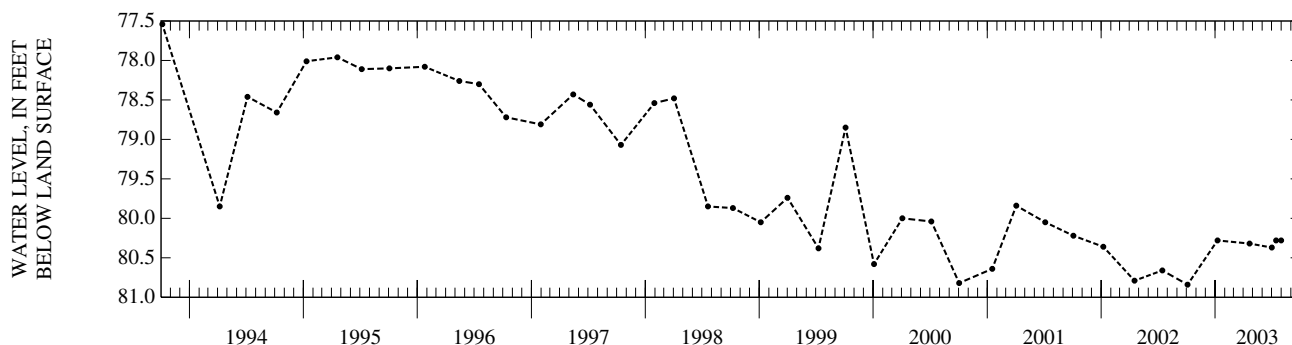
DATUM.--Elevation of land surface datum is 305 ft above NGVD of 1929. Measuring point: Top of casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1977-1987, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 77.54 ft below land-surface datum, Oct. 5, 1993; lowest recorded, 84.18 ft below land-surface datum, Dec. 10, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	80.84	JAN 08	80.28	APR 21	80.32	JUL 01	80.37	JUL 15	80.28	JUL 31	80.28
WATER YEAR 2003 HIGHEST		80.28	JAN 08, 2003	JUL 15, 2003	JUL 31, 2003	LOWEST		80.84	OCT 04, 2002		



DE SOTO PARISH—Continued

LOCAL NUMBER.--DS-517, Site ID 320153093583601.

LOCATION.--Lat 32°01'53", long 93°58'36", Hydrologic Unit 12010004, Sec. 14, T.12N, R.16W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 131 ft, screened 129-131 ft, casing diameter 2 in.

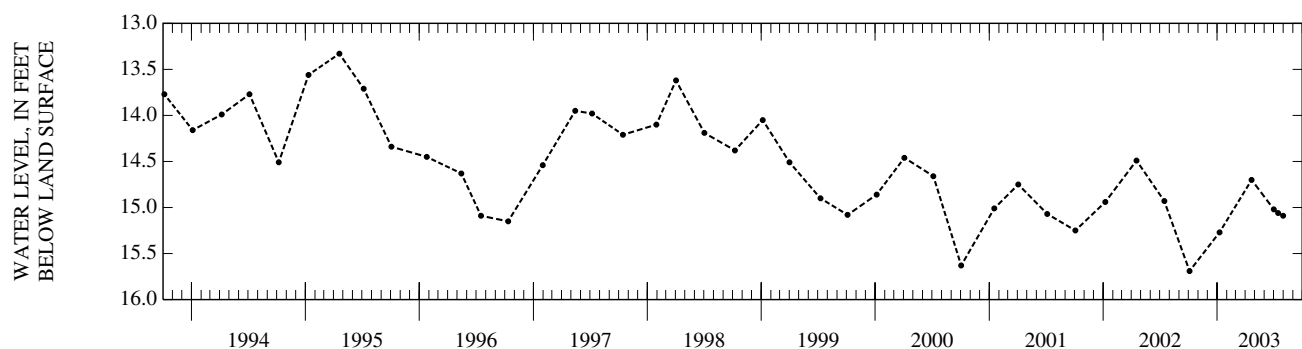
DATUM.--Elevation of land surface datum is 225 ft above NGVD of 1929. Measuring point: Top of bushing, at land-surface datum.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.33 ft below land-surface datum, Apr. 19, 1995; lowest recorded, 17.64 ft below land-surface datum, Sept. 24, 1984.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	15.69	JAN 08	15.27	APR 21	14.70	JUL 01	15.02	JUL 15	15.06	JUL 31	15.09
WATER YEAR 2003 HIGHEST 14.70 APR 21, 2003 LOWEST 15.69 OCT 04, 2002											



EAST BATON ROUGE PARISH

LOCAL NUMBER.--EB-90, Site ID 302745091092401.

LOCATION.--Lat 30°27'45", long 91°09'24", Hydrologic Unit 08070202, Sec. 77, T. 7S, R. 1E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 2,120 ft, screened 2,025-2,120 ft, casing diameter 8 to 6 to 4 in.

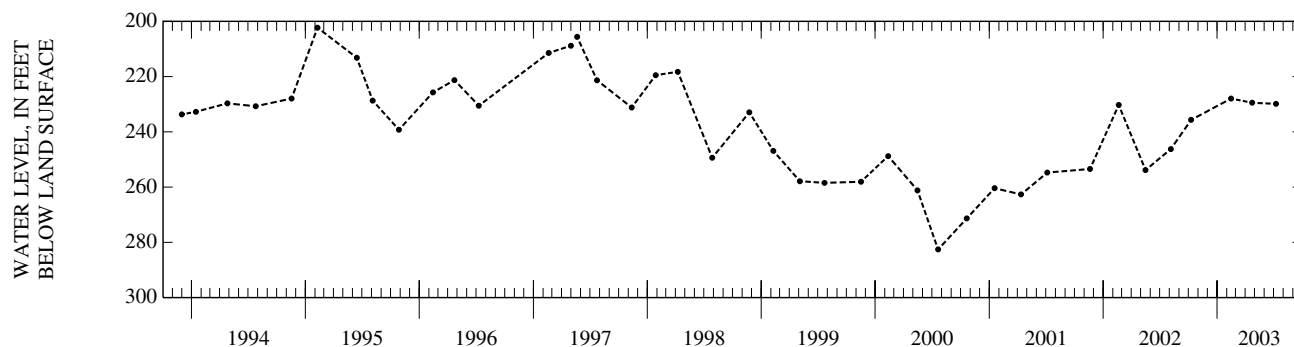
DATUM.--Elevation of land surface datum is 59.05 ft above NGVD of 1929. Measuring point: Top edge of 10-in. collar, 1.1 ft above land-surface datum.

PERIOD OF RECORD.--1943-45, 1947-55, 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.70 ft above land-surface datum, Feb. 23, 1943; lowest recorded, 292.54 ft below land-surface datum, Aug. 31, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	235.68	FEB 14	227.95	APR 23	229.48	JUL 08	229.87
WATER YEAR 2003		HIGHEST	227.95	FEB 14, 2003	LOWEST	235.68	OCT 09, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-128, Site ID 302648091102301.

LOCATION.--Lat 30°26'48", long 91°10'23", Hydrologic Unit 08070201, Sec. 74, T. 7S, R. 1W.

AQUIFER.--"800-foot" sand of Baton Rouge area of Pliocene age (12108BR).

WELL CHARACTERISTICS.--Depth 970 ft, screened 840-883 and 916-970 ft, casing diameter 6 to 4 in.

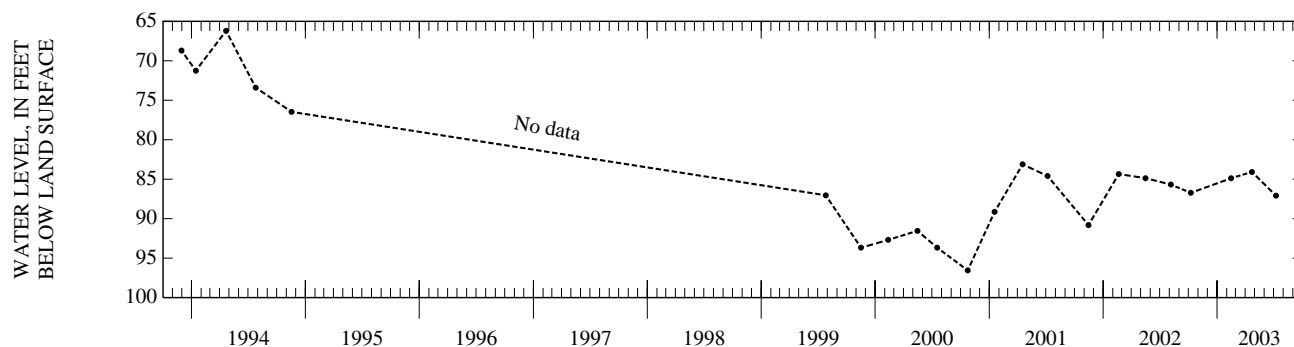
DATUM.--Elevation of land surface datum is 57.02 ft above NGVD of 1929. Measuring point: Top inside edge of 6-in. casing, at land-surface datum.

PERIOD OF RECORD.--1940-94, 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 60.40 ft below land-surface datum, July 12, 1989; lowest recorded, 128.42 ft below land-surface datum, Sept. 9, 1956.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	86.73	FEB 14	84.88	APR 22	84.08	JUL 08	87.09
WATER YEAR 2003		HIGHEST	84.08	APR 22, 2003	LOWEST	87.09	JUL 08, 2003



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-146, Site ID 302653091095701.

LOCATION.--Lat 30°26'53", long 91°09'57", Hydrologic Unit 08070201, Sec. 73, T. 7S, R. 1W.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,259 ft, screened 1,199-1,259 ft, casing diameter 6 to 4 in.

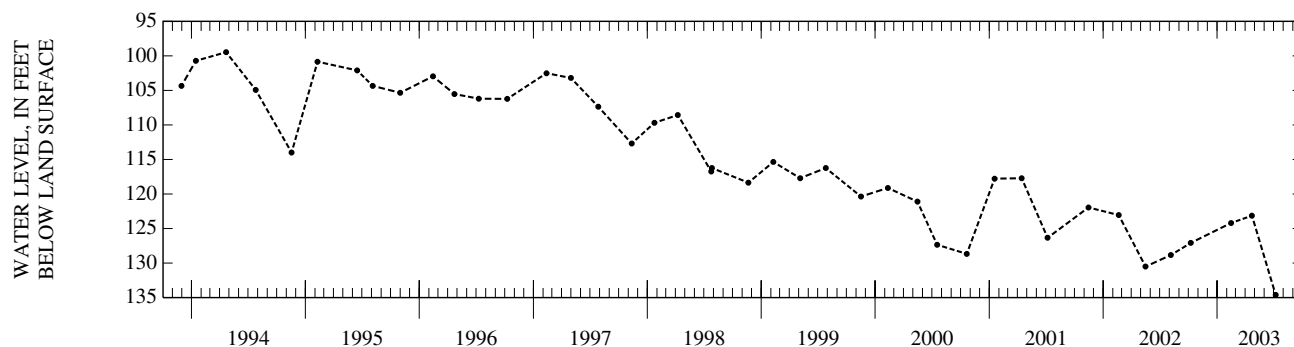
DATUM.--Elevation of land surface datum is 52 ft above NGVD of 1929. Measuring point: 3/8 in. hole in plate atop 6-in. casing, 0.45 ft above land-surface datum.

PERIOD OF RECORD.--1916, 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 33.00 ft above land-surface datum (reported), Mar. 25, 1916; lowest recorded, 134.61 ft below land-surface datum, July 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	127.08	FEB 14	124.20	APR 22	123.14	JUL 07	134.61
WATER YEAR 2003		HIGHEST	123.14	APR 22, 2003	LOWEST	134.61	JUL 07, 2003



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-155, Site ID 302930091101501.

LOCATION.--Lat 30°29'30", long 91°10'15", Hydrologic Unit 08070202, Sec. 43, T. 6S, R. 1W.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 412 ft, screened 311-412 ft, casing diameter 18 to 12 in.

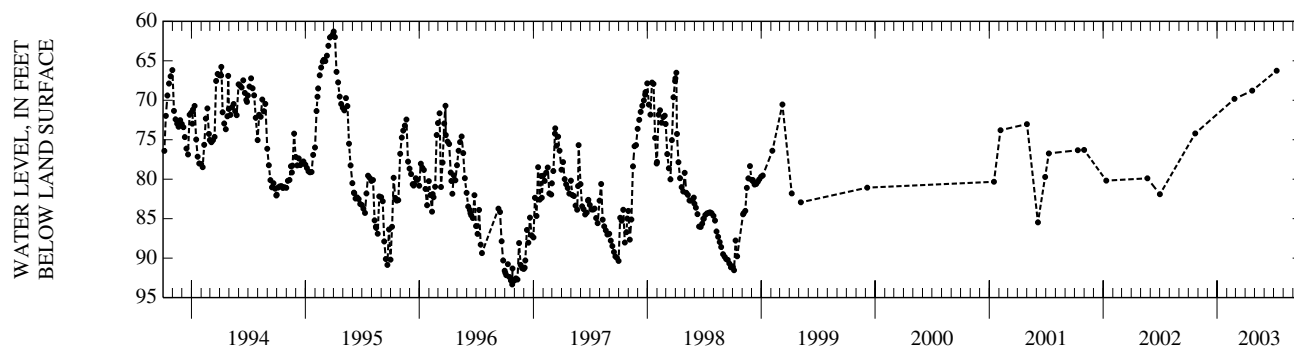
DATUM.--Elevation of land surface datum is 60.14 ft above NGVD of 1929. Measuring point: Top inside edge of casing, 0.85 ft above land-surface datum.

PERIOD OF RECORD.--1963-99, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 57.81 ft below land-surface datum, Mar. 25, 1990, May 10, 1991, May 15, 1991, May 30, 1991; lowest recorded, 185.30 ft below land-surface datum, Oct. 15, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	74.21	FEB 25	69.83	APR 23	68.78	JUL 10	66.25
WATER YEAR 2003		HIGHEST	66.25	JUL 10, 2003	LOWEST	74.21	OCT 22, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-168, Site ID 303001091093801.

LOCATION.--Lat 30°30'01", long 91°09'38", Hydrologic Unit 08070201, Sec. 38, T. 6S, R. 1W.

AQUIFER.--"1,500-foot" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 1,496 ft, screened 1,416-1,496 ft, casing diameter 8 to 6 in.

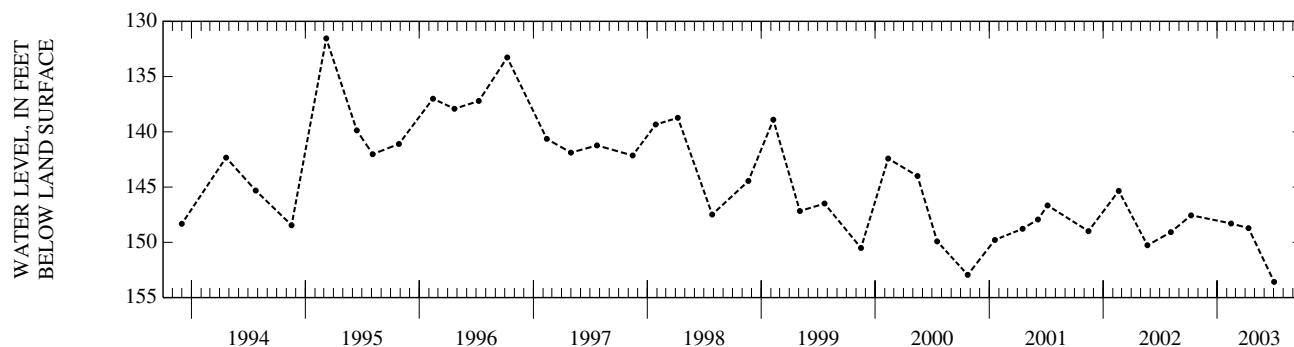
DATUM.--Elevation of land surface datum is 56 ft above NGVD of 1929. Measuring point: collar on plate atop casing, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--1943, 1948, 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.00 ft above land-surface datum (reported), March 1, 1943; lowest recorded, 153.58 ft below land-surface datum, July 2, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	147.55	FEB 14	148.29	APR 11	148.72	JUL 02	153.58
WATER YEAR 2003 HIGHEST 147.55 OCT 09, 2002				LOWEST 153.58 JUL 02, 2003			



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-297, Site ID 303026091113001.

LOCATION.--Lat 30°30'26", long 91°11'30", Hydrologic Unit 08070201, Sec. 37, T. 6S, R. 1W.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 1,940 ft, screened 1,890-1,940 ft, casing diameter 2 in.

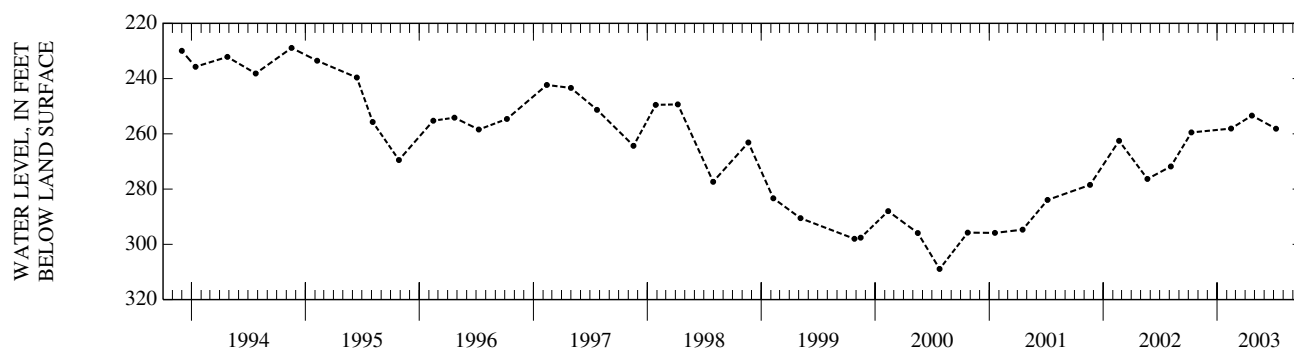
DATUM.--Elevation of land surface datum is 61 ft above NGVD of 1929. Measuring point: Top of 4-in. nipple, down 2-in. pipe, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--1937, 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.00 ft above land-surface datum (reported), 1937; lowest recorded, 336.23 ft below land-surface datum, Aug. 31, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	259.50	FEB 14	258.09	APR 22	253.38	JUL 08	258.16
WATER YEAR 2003		HIGHEST	253.38	APR 22, 2003	LOWEST	259.50	OCT 10, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-304, Site ID 303440090592702.

LOCATION.--Lat 30°34'40", long 90°59'27", Hydrologic Unit 08070202, Sec. 49, T. 5S, R. 2E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 1,725 ft, screened 1,685-1,725 ft, casing diameter 6 in.

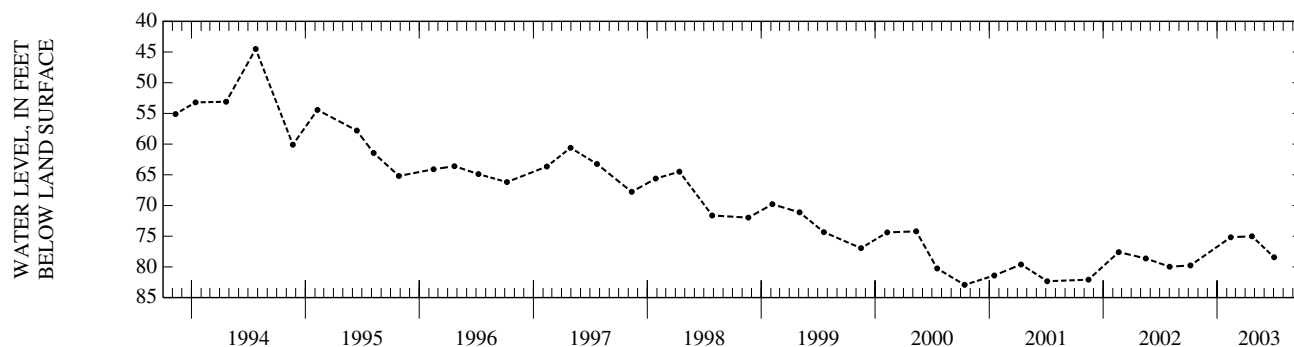
DATUM.--Elevation of land surface datum is 67 ft above NGVD of 1929. Measuring point: Top of 2-in. coupling welded on top of casing, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--1941, 1943-46, 1949-51, 1954-70, 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 81.00 ft above land-surface datum (reported), Dec. 19, 1941; lowest recorded, 82.93 ft below land-surface datum, Oct. 13, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	79.76	FEB 13	75.17	APR 22	75.01	JUL 02	78.44
WATER YEAR 2003		HIGHEST	75.01	APR 22, 2003	LOWEST	79.76	OCT 07, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-322, Site ID 303441091074201.

LOCATION.--Lat 30°34'41", long 91°07'42", Hydrologic Unit 08070202, Sec. 29, T. 5S, R. 1E.

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 1,971 ft, screened 1,931-1,971 ft, casing diameter 2 1/2 in.

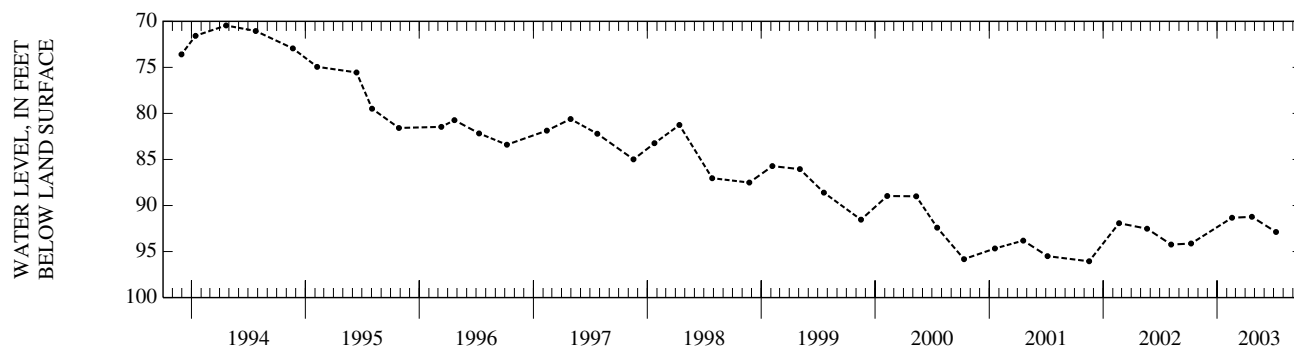
DATUM.--Elevation of land surface datum is 68 ft above NGVD of 1929. Measuring point: Top edge of 2 1/2 in. casing, 0.25 ft above land-surface datum.

PERIOD OF RECORD.--1942-51, 1959, 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 67.00 ft above land-surface datum (reported), Dec. 6, 1942; lowest recorded, 96.06 ft below land-surface datum, Nov. 16, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	94.13	FEB 17	91.33	APR 22	91.23	JUL 08	92.88
WATER YEAR 2003		HIGHEST	91.23	APR 22, 2003	LOWEST	94.13	OCT 09, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-327, Site ID 302820091072401.

LOCATION.--Lat 30°28'20", long 91°07'24", Hydrologic Unit 08070202, Sec. 73, T. 7S, R. 1E.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,236 ft, screened 1,186-1,236 ft, casing diameter 2 in.

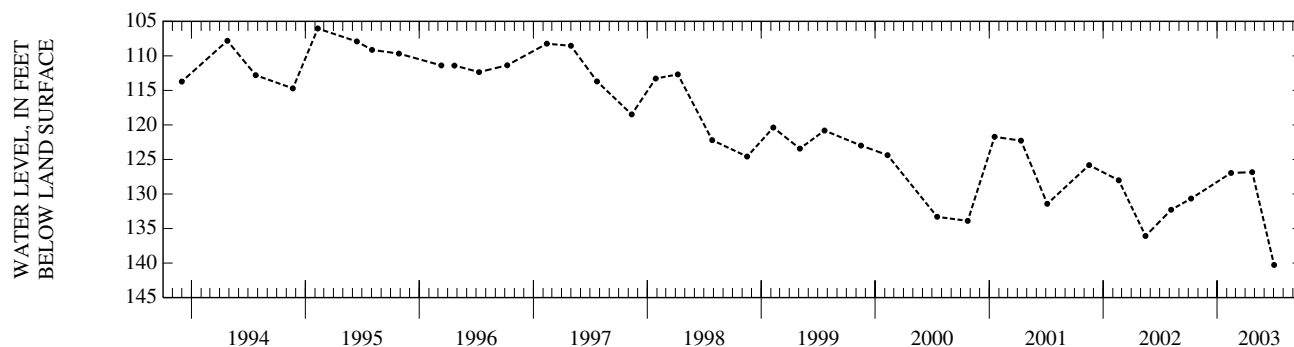
DATUM.--Elevation of land surface datum is 55 ft above NGVD of 1929. Measuring point: Top of 2-in. casing extension, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--1972-88, 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 100.10 ft below land-surface datum, Feb. 7, 1974; lowest recorded, 136.08 ft below land-surface datum, May 16, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	130.66	FEB 14	126.95	APR 23	126.84	JUL 02	140.28
WATER YEAR 2003		HIGHEST	126.84	APR 23, 2003	LOWEST	140.28	JUL 02, 2003



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-367, Site ID 302930091111301.

LOCATION.--Lat 30°29'30", long 91°11'13", Hydrologic Unit 08070201, Sec. 43, T. 6S, R. 1W.

OWNER.--Gulf States Utilities Co.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 2,061 ft, screened 1,961-2,061 ft, casing diameter 12 to 8 in.

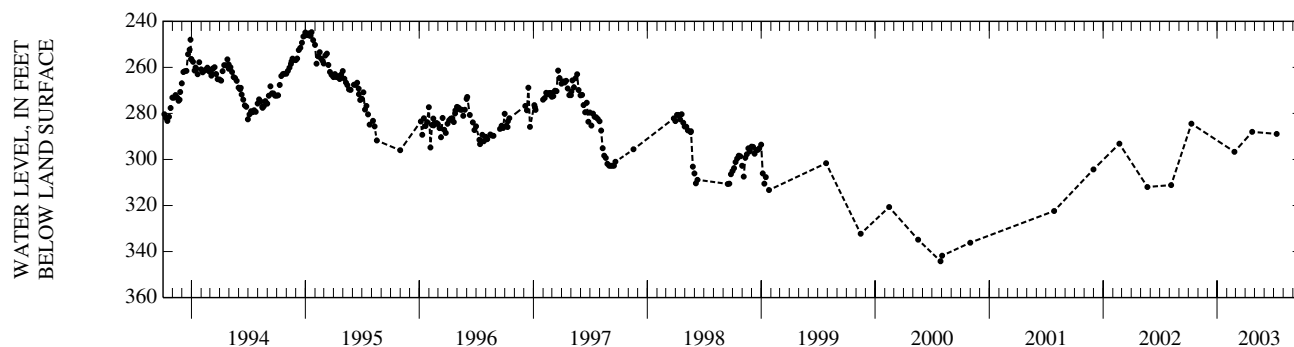
DATUM.--Elevation of land surface datum is 64.4 ft above NGVD of 1929. Measuring point: Top edge of 12-in. casing, at land-surface datum.

PERIOD OF RECORD.--1942, 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.00 ft below land-surface datum (reported), June 16, 1942; lowest recorded, 372.20 ft below land-surface datum, Aug. 17, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	284.46	FEB 25	296.67	APR 23	288.01	JUL 10	288.91
WATER YEAR 2003 HIGHEST 284.46 OCT 10, 2002				LOWEST 296.67 FEB 25, 2003			



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-392, Site ID 302844091033601.

LOCATION.--Hydrologic Unit 08070201.

AQUIFER.--"1,500-foot" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 1,464 ft, screened 1,389-1,464 ft, casing diameter 8 to 6 in.

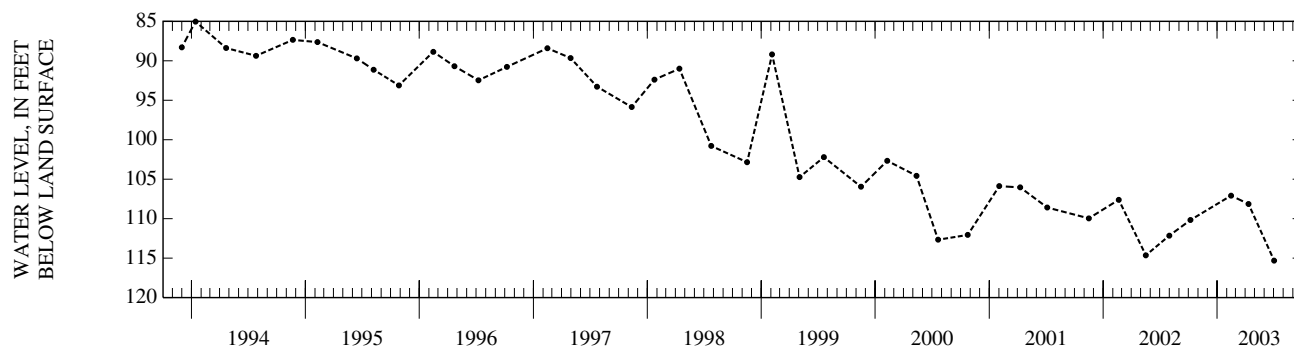
DATUM.--Elevation of land surface datum is 50 ft above NGVD of 1929. Measuring point: Lower edge of collar on north side of well casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1942, 1973, 1977-78, 1981, 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.75 ft above land-surface datum (reported), Sept. 6, 1942; lowest recorded, 115.31 ft below land-surface datum, July 2, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	110.17	FEB 14	107.08	APR 11	108.14	JUL 02	115.31
WATER YEAR 2003 HIGHEST		107.08 FEB 14, 2003	LOWEST		115.31 JUL 02, 2003		



LOCAL NUMBER.--EB-468, Site ID 303408091075001.

LOCATION.--Lat 30°34'08", long 91°07'50", Hydrologic Unit 08070202, Sec. 53, T. 5S, R. 1E.

AQUIFER.--"2,800-foot" sand of Baton Rouge area of Miocene age (12228BR).

WELL CHARACTERISTICS.--Depth 2,407 ft, screened 2,319-2,407 ft, casing diameter 4 in.

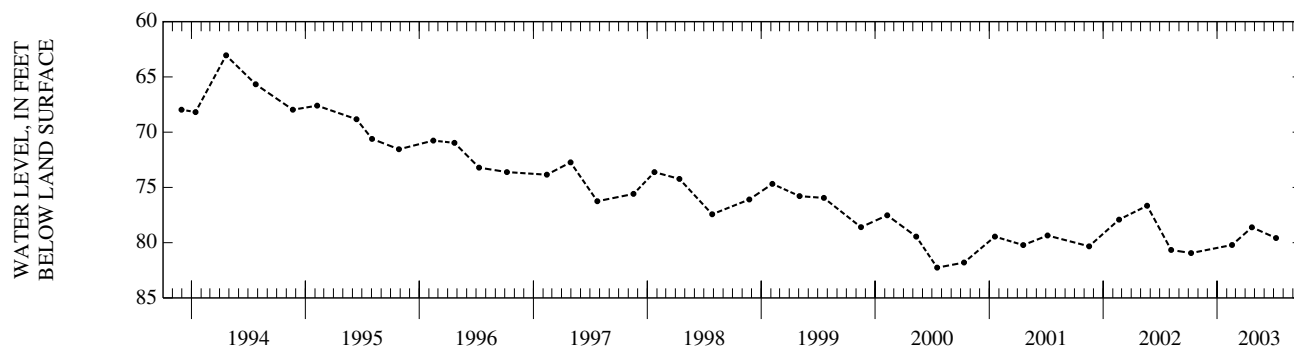
DATUM.--Elevation of land surface datum is 73 ft above NGVD of 1929. Measuring point: 3/4-in. hole in sanitary seal, 0.4 ft above land-surface datum.

PERIOD OF RECORD.--1948-51, 1953-67, 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 71.60 ft above land-surface datum, Feb. 27, 1948; lowest recorded, 82.26 ft below land-surface datum, July 17, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	80.94	FEB 17	80.21	APR 22	78.61	JUL 08	79.58
WATER YEAR 2003 HIGHEST		78.61 APR 22, 2003	LOWEST		80.94 OCT 09, 2002		



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-581, Site ID 303440090592703.

LOCATION.--Lat 30°34'40", long 90°59'27", Hydrologic Unit 08070202, Sec. 49, T. 5S, R. 2E.

AQUIFER.--"2,800-foot" sand of Baton Rouge area of Miocene age (12228BR).

WELL CHARACTERISTICS.--Depth 2,590 ft, screened 2,540-2,590 ft, casing diameter 8 to 6 in.

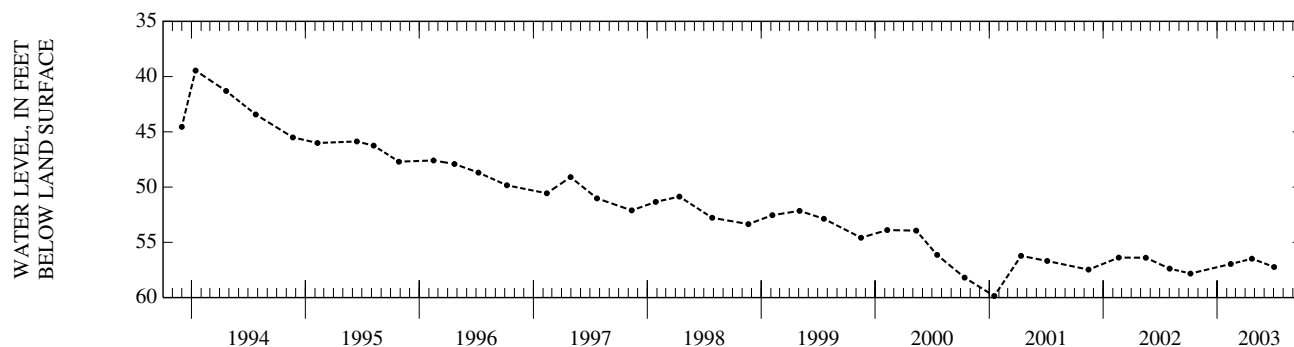
DATUM.--Elevation of land surface datum is 67 ft above NGVD of 1929. Measuring point: Top of 1-in. pipe on side of 8-in. casing, 1.9 ft above land-surface datum.

PERIOD OF RECORD.--1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 54.40 ft above land-surface datum, May 25, 1956; lowest recorded, 59.86 ft below land-surface datum, Jan. 16, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	57.82	FEB 13	56.96	APR 22	56.48	JUL 02	57.23
WATER YEAR 2003		HIGHEST	56.48	APR 22, 2003	LOWEST	57.82	OCT 07, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-685, Site ID 303350091100901.

LOCATION.--Lat 30°33'50", long 91°10'09", Hydrologic Unit 08070202, Sec. 53, T. 5S, R. 1W.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 1,640 ft, screened 1,580-1,640 ft, casing diameter 6 to 3 in.

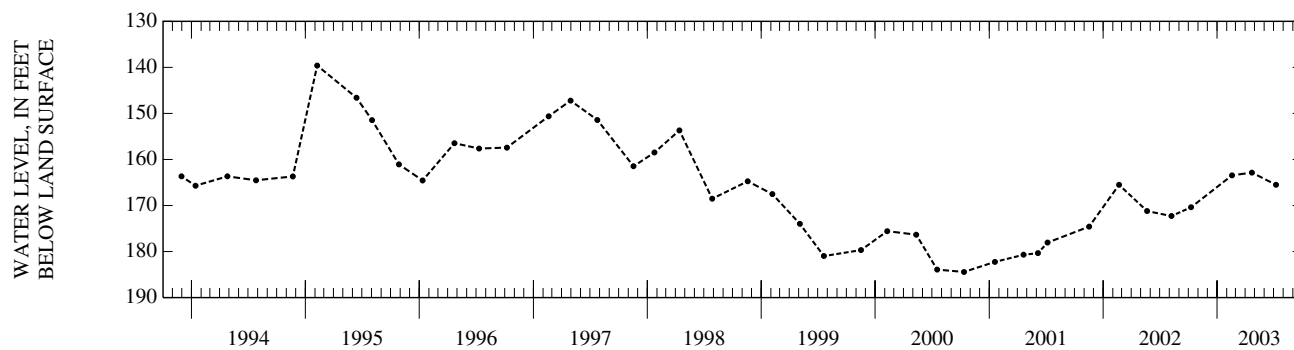
DATUM.--Elevation of land surface datum is 65 ft above NGVD of 1929. Measuring point: Hole in center of plug at top of 6-in. casing, 1.73 ft above land-surface datum.

PERIOD OF RECORD.--1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 48.95 ft below land-surface datum (reported), Apr. 30, 1959; lowest recorded, 184.43 ft below land-surface datum, Oct. 11, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	170.38	FEB 17	163.45	APR 22	162.85	JUL 08	165.51
WATER YEAR 2003		HIGHEST	162.85	APR 22, 2003	LOWEST	170.38	OCT 09, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-778, Site ID 302509091082701.

LOCATION.--Lat 30°25'09", long 91°08'27", Hydrologic Unit 08070202, Sec. 94, T. 7S, R. 1E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 2,586 ft, screened 2,581-2,586 ft, casing diameter 4 to 2 1/2 in.

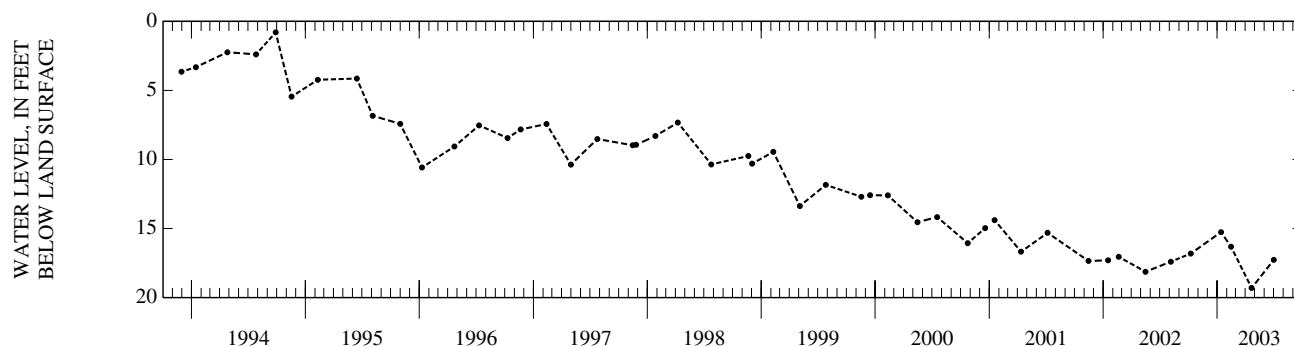
DATUM.--Elevation of land surface datum is 28 ft above NGVD of 1929. Measuring point: Top edge of 4-in. collar, 0.25 ft below land-surface datum.

PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 40.10 ft above land-surface datum, Mar. 16, 1965; lowest recorded, 18.13 ft below land-surface datum, May 16, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	16.81	JAN 13	15.26	FEB 14	16.32	APR 21	19.31	JUL 01	17.26
WATER YEAR 2003		HIGHEST	15.26	JAN 13, 2003	LOWEST	19.31	APR 21, 2003		



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-780A, Site ID 302509091082702.

LOCATION.--Lat 30°25'09", long 91°08'27", Hydrologic Unit 08070202, Sec. 94, T. 7S, R. 1E.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,622 ft, screened 1,617-1,622 ft, casing diameter 4 in.

DATUM.--Elevation of land surface datum is 28 ft above NGVD of 1929. Measuring point: Top of 4 in. collar, 0.14 ft above land-surface datum.

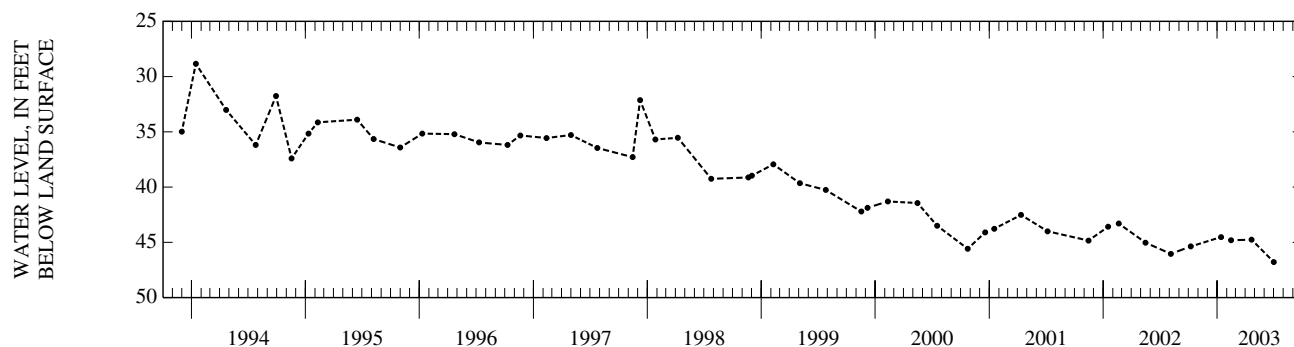
PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.26 ft above land-surface datum, Jan. 12, 1966; lowest recorded, 46.78 ft below land-surface datum, July 1, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	45.37	JAN 13	44.52	FEB 14	44.81	APR 21	44.76	JUL 01	46.78

WATER YEAR 2003 HIGHEST 44.52 JAN 13, 2003 LOWEST 46.78 JUL 01, 2003



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-782A, Site ID 302535091090402.

LOCATION.--Lat 30°25'35", long 91°09'04", Hydrologic Unit 08070202, Sec. 94, T. 7S, R. 1E.

AQUIFER.--"1,000-foot" sand of Baton Rouge area of Pliocene age (12110BR).

WELL CHARACTERISTICS.--Depth 1,189 ft, screened 1,184-1,189 ft, casing diameter 4 in.

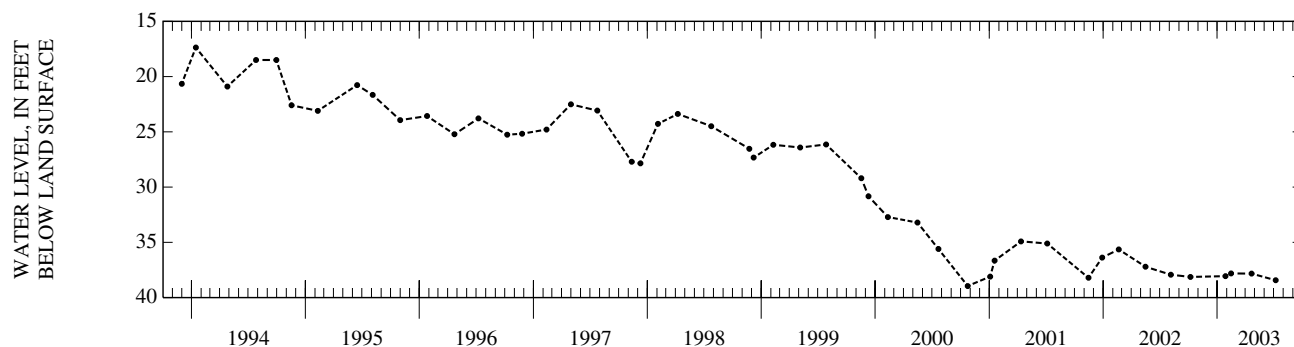
DATUM.--Elevation of land surface datum is 28 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 17.37 below land-surface datum, Jan. 14, 1994; lowest recorded, 38.95 ft below land-surface datum, Oct. 23, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	38.13	JAN 27	38.06	FEB 14	37.81	APR 21	37.83	JUL 07	38.43
WATER YEAR 2003 HIGHEST 37.81 FEB 14, 2003 LOWEST 38.43 JUL 07, 2003									



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-789A, Site ID 302511091070401.

LOCATION.--Lat 30°25'11", long 91°07'04", Hydrologic Unit 08070202, Sec. 93, T. 7S, R. 1E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 37 ft, screened 707-711 ft, casing diameter 4 in.

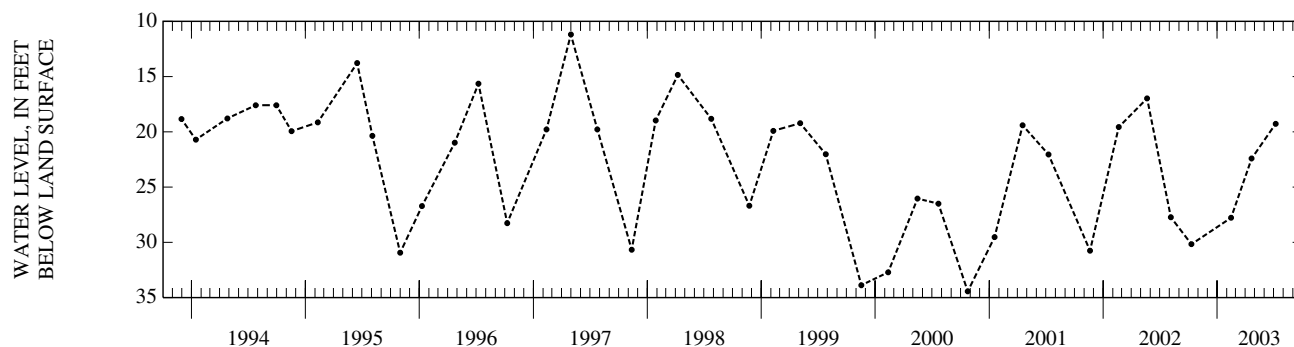
DATUM.--Elevation of land surface datum is 37 ft above NGVD of 1929. Measuring point: Edge of bolt hole in sanitary seal, 0.61 ft above land-surface datum.

PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.50 ft below land-surface datum, May. 17, 1979; lowest recorded, 34.44 ft below land-surface datum, Oct. 23, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	30.17	FEB 14	27.78	APR 21	22.41	JUL 07	19.27
WATER YEAR 2003		HIGHEST	19.27	JUL 07, 2003	LOWEST	30.17	OCT 10, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-804A, Site ID 302428091035001.

LOCATION.--Lat 30°24'28", long 91°03'50", Hydrologic Unit 08070202, Sec. 70, T. 7S, R. 1E.

AQUIFER.--"1,700-foot" sand of Baton Rouge area of Pliocene age (12117BR).

WELL CHARACTERISTICS.--Depth 1,950 ft, screened 1,946-1,950 ft, casing diameter 4 in.

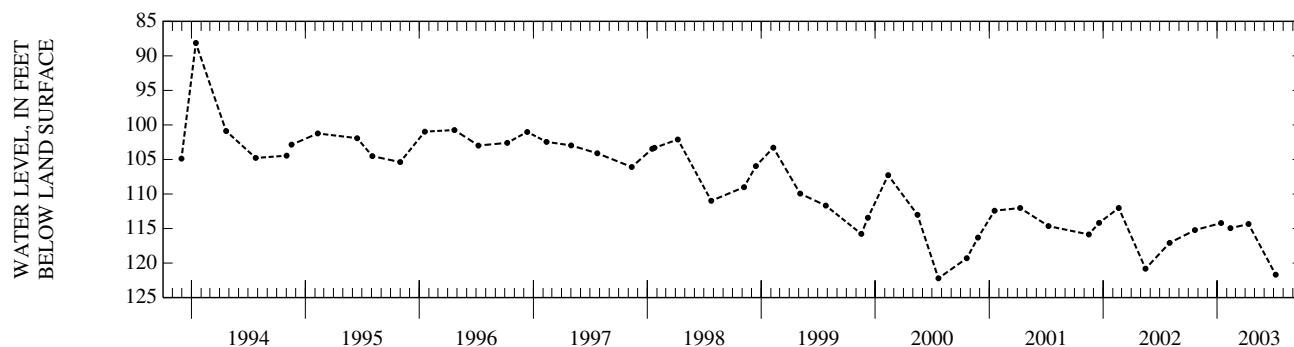
DATUM.--Elevation of land surface datum is 46 ft above NGVD of 1929. Measuring point: Top of 4-in. casing, 1.57 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.34 ft below land-surface datum, June 9, 1967; lowest recorded, 122.21 ft below land-surface datum, July 21, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	115.23	JAN 13	114.21	FEB 12	114.95	APR 11	114.35	JUL 07	121.69
WATER YEAR 2003 HIGHEST 114.21 JAN 13, 2003 LOWEST 121.69 JUL 07, 2003									



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-804B, Site ID 302428091035002.

LOCATION.--Lat 30°24'28", long 91°03'50", Hydrologic Unit 08070202, Sec. 70, T. 7S, R. 1E.

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 2,762 ft, screened 2,758-2,762 ft, casing diameter 4 to 2 1/2 in.

DATUM.--Elevation of land surface datum is 46 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.37 ft above land-surface datum.

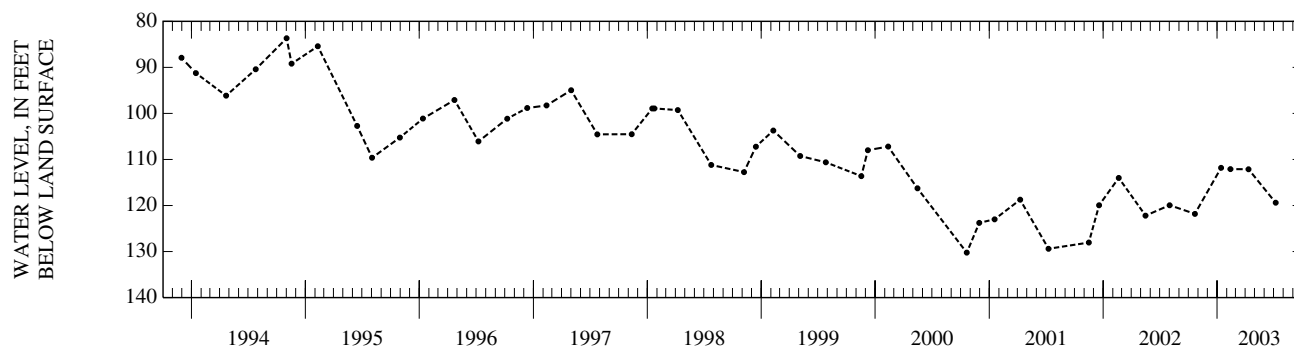
PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 32.45 ft below land-surface datum, May. 6, 1966, May 18, 1966; lowest recorded, 130.24 ft below land-surface datum, Oct. 20, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	121.81	JAN 13	111.82	FEB 12	112.10	APR 11	112.12	JUL 07	119.40

WATER YEAR 2003 HIGHEST 111.82 JAN 13, 2003 LOWEST 121.81 OCT 21, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-805, Site ID 302428091035003.

LOCATION.--Lat 30°24'28", long 91°03'50", Hydrologic Unit 08070202, Sec. 70, T. 7S, R. 1E.

AQUIFER.--"1,000-foot" sand of Baton Rouge area of Pliocene age (12110BR).

WELL CHARACTERISTICS.--Depth 1,072 ft, screened 1,068-1,072 ft, casing diameter 4 to 2 1/2 in.

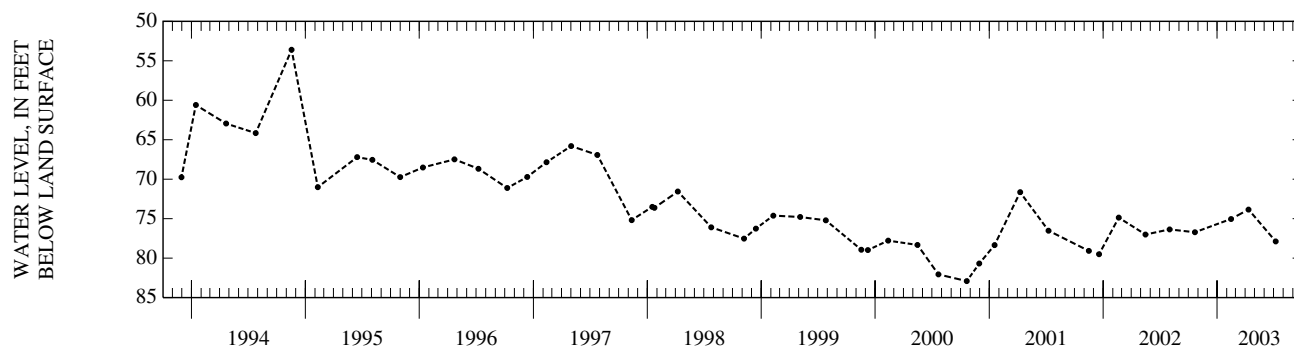
DATUM.--Elevation of land surface datum is 46 ft above NGVD of 1929. Measuring point: Top of 1/2 in. hole in cap, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 40.04 ft below land-surface datum, June 9, 1967; lowest recorded, 82.91 ft below land-surface datum, Oct. 20, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	76.72	FEB 14	75.04	APR 11	73.84	JUL 07	77.88
WATER YEAR 2003		HIGHEST	73.84	APR 11, 2003	LOWEST	77.88	JUL 07, 2003



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-806B, Site ID 302702091103902.

LOCATION.--Lat 30°27'02", long 91°10'39", Hydrologic Unit 08070201, Sec. 72, T. 7S, R. 1W.

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 2,579 ft, screened 2,575-2,579 ft, casing diameter 4 to 2 1/2 in.

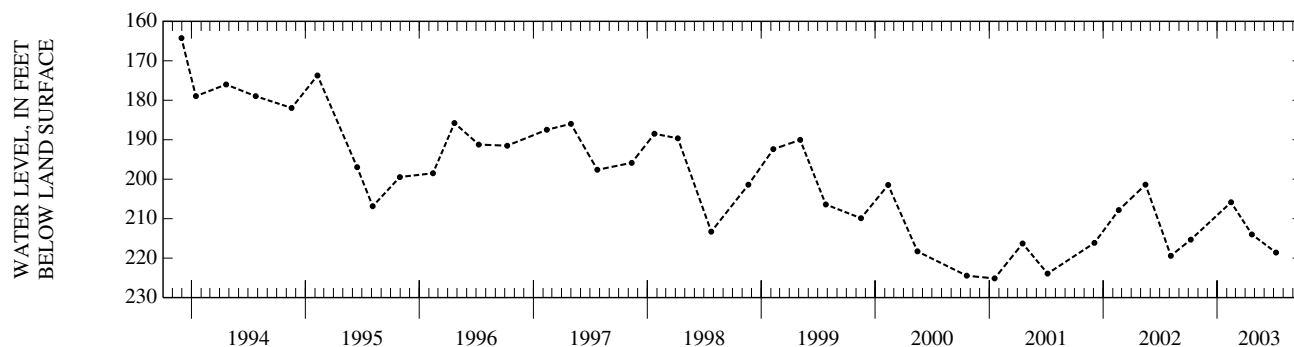
DATUM.--Elevation of land surface datum is 46.5 ft above NGVD of 1929. Measuring point: Top edge of 1 1/2 in. nipple, 1.83 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 119.03 ft below land-surface datum, May 19, 1966; lowest recorded, 225.14 ft below land-surface datum, Jan. 17, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	215.32	FEB 14	205.85	APR 22	214.01	JUL 08	218.59
WATER YEAR 2003		HIGHEST 205.85	FEB 14, 2003	LOWEST 218.59	JUL 08, 2003		



EAST BATON ROUGE PARISH

LOCAL NUMBER.--EB-824, Site ID 302553091092001.

LOCATION.--Lat 30°25'53", long 91°09'20", Hydrologic Unit 08070202, Sec. 96, T. 7S, R. 1E.

AQUIFER.--"600-foot" sand of Baton Rouge area of Pleistocene age (11206BR).

WELL CHARACTERISTICS.--Depth 581 ft, screened 575-581 ft, casing diameter 2 in.

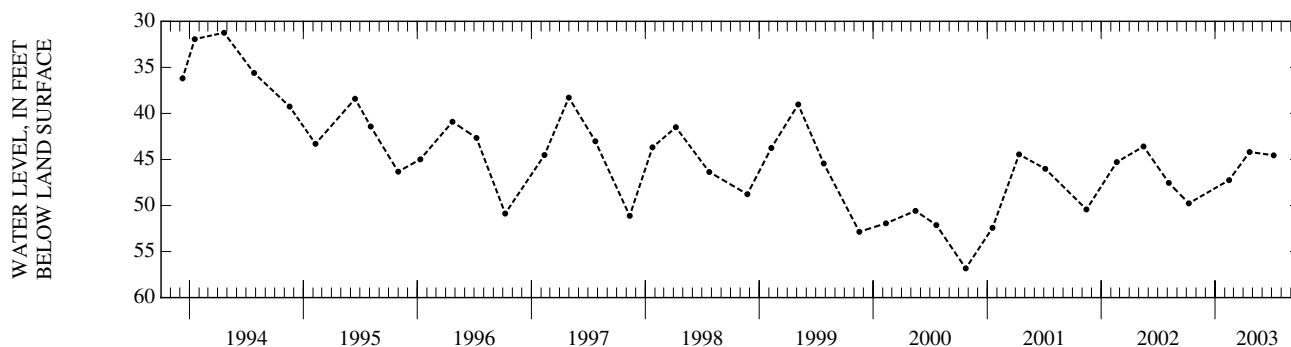
DATUM.--Elevation of land surface datum is 33.56 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 28.84 ft below land-surface datum, July 10, 1990; lowest recorded, 90.29 ft below land-surface datum, Oct. 23, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	49.77	FEB 14	47.24	APR 21	44.19	JUL 07	44.55
WATER YEAR 2003 HIGHEST 44.19 APR 21, 2003 LOWEST 49.77 OCT 08, 2002							



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-825, Site ID 302553091092002.

LOCATION.--Lat 30°25'53", long 91°09'20", Hydrologic Unit 08070202, Sec. 96, T. 7S, R. 1E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 475 ft, screened 469-475 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 33.57 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 0.5 ft above land-surface datum.

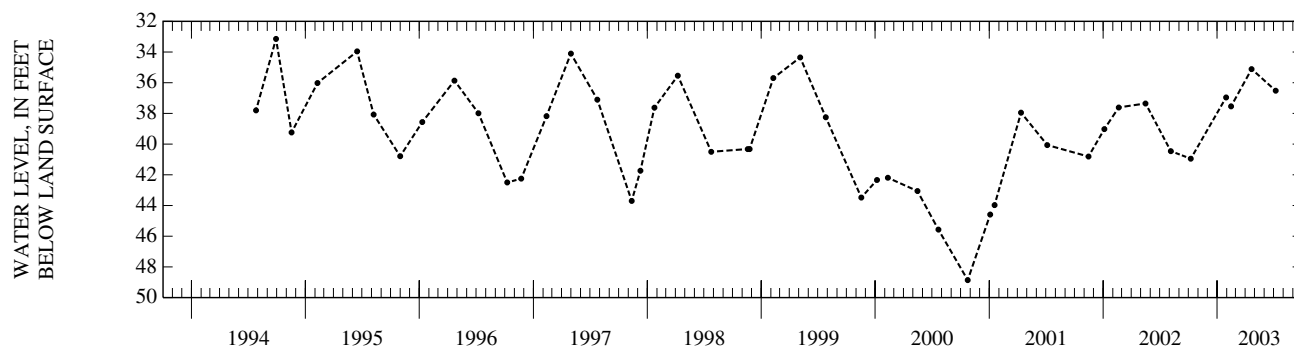
PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 29.21 ft below land-surface datum, May 9, 1990; lowest recorded, 63.45 ft below land-surface datum, Nov. 8, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	40.95	JAN 29	36.96	FEB 14	37.54	APR 21	35.11	JUL 07	36.52

WATER YEAR 2003 HIGHEST 35.11 APR 21, 2003 LOWEST 40.95 OCT 08, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-827, Site ID 303356091095301.

LOCATION.--Lat 30°33'56", long 91°09'53", Hydrologic Unit 08070202, Sec. 54, T. 5S, R. 1W.

OWNER.--Louisiana Water Resources Research Institute.

AQUIFER.--"600-foot" sand of Baton Rouge area of Pleistocene age (11206BR).

WELL CHARACTERISTICS.--Depth 370 ft, screened 364-370 ft, casing diameter 2 in.

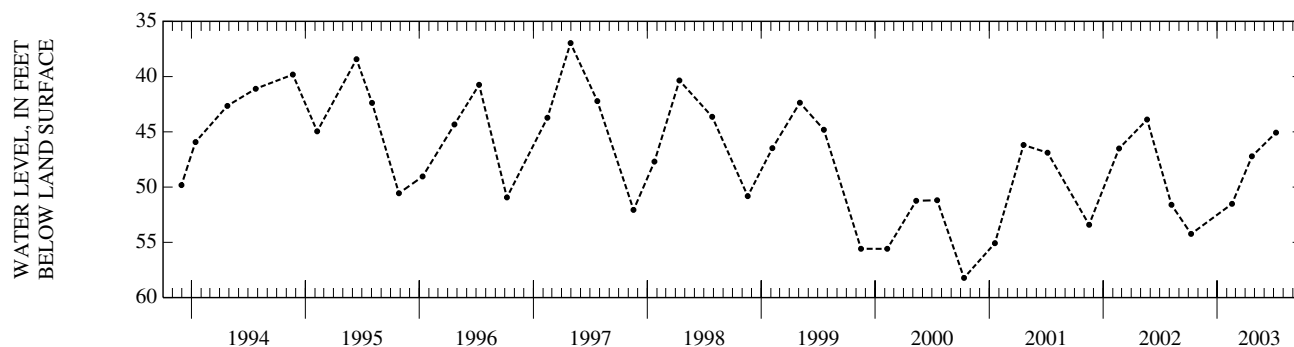
DATUM.--Elevation of land surface datum is 63.96 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1967-88, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 36.97 ft below land-surface datum, Apr. 29, 1997; lowest recorded, 68.13 ft below land-surface datum, Nov. 1, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	54.24	FEB 17	51.52	APR 22	47.21	JUL 08	45.07
WATER YEAR 2003		HIGHEST	45.07	JUL 08, 2003	LOWEST	54.24	OCT 09, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-840, Site ID 303903091164901.

LOCATION.--Lat 30°39'03", long 91°16'49", Hydrologic Unit 08070201, Sec. 37, T. 4S, R. 2W.

OWNER.--Georgia-Pacific Corp.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 785 ft, screened 655-785 ft, casing diameter 16 to 12 in.

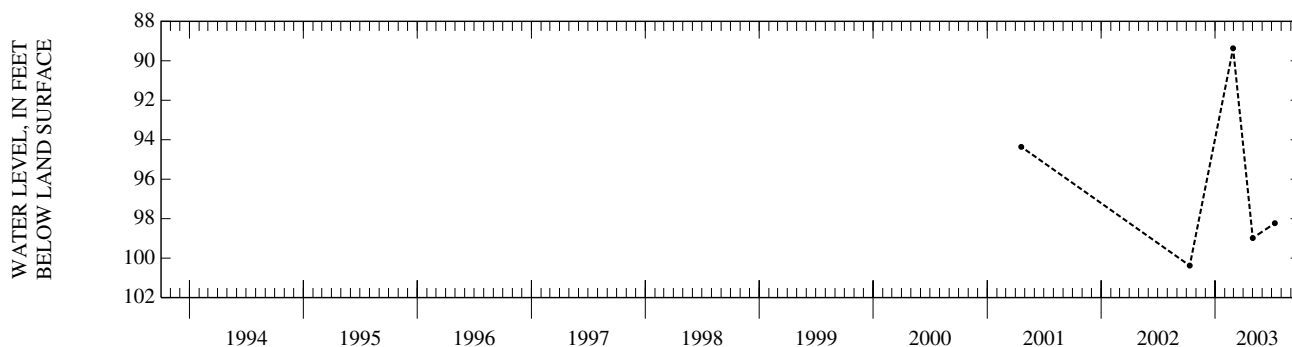
DATUM.--Elevation of land surface datum is 95.0 ft above NGVD of 1929. Measuring point: Breather pipe on south side of well, 2.6 ft above land-surface datum.

PERIOD OF RECORD.--1967, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 68.00 ft (reported) below land-surface datum, Dec. 6, 1967; lowest recorded, 100.38 ft below land-surface datum, Oct. 11, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	100.38	FEB 27	89.37	MAY 01	98.98	JUL 11	98.23
WATER YEAR 2003 HIGHEST 89.37 FEB 27, 2003 LOWEST 100.38 OCT 11, 2002							



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-849, Site ID 303912091150801.

LOCATION.--Lat 30°39'12", long 91°15'08", Hydrologic Unit 08070201, Sec. 31, T. 4S, R. 1W.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 1,380 ft, screened 1,250-1,270 and 1,350-1,380 ft, casing diameter 6 in.

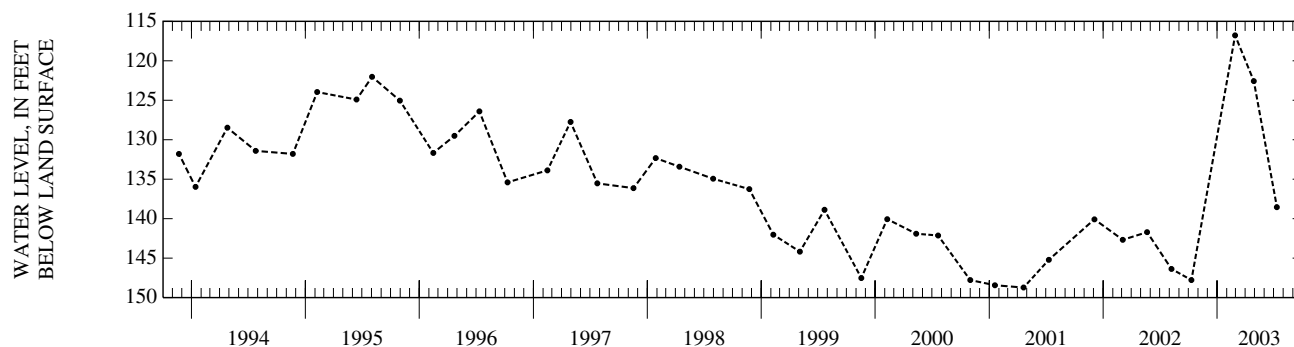
DATUM.--Elevation of land surface datum is 91 ft above NGVD of 1929. Measuring point: Top of 6-in. casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1966, 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 47.79 ft below land-surface datum, Feb. 22, 1966; lowest recorded, 148.73 ft below land-surface datum, Apr. 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	147.78	FEB 27	116.78	APR 28	122.57	JUL 11	138.54
WATER YEAR 2003 HIGHEST		116.78 FEB 27, 2003		LOWEST		147.78 OCT 10, 2002	



LOCAL NUMBER.--EB-870, Site ID 302729091100601.

LOCATION.--Lat 30°27'29", long 91°10'06", Hydrologic Unit 08070201, Sec. 44, T. 7S, R. 1W.

AQUIFER.--"600-foot" sand of Baton Rouge area of Pleistocene age (11206BR).

WELL CHARACTERISTICS.--Depth 692 ft, screened 687-692 ft, casing diameter 2 in.

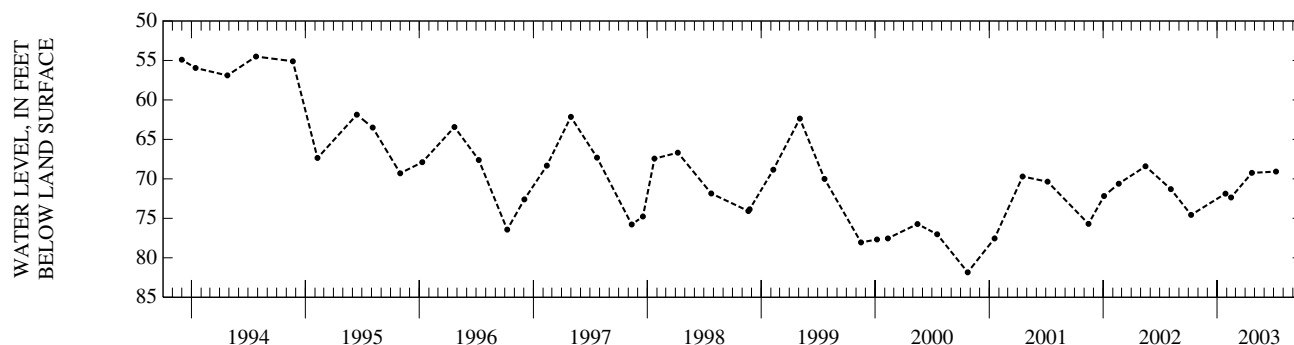
DATUM.--Elevation of land surface datum is 50 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, at land-surface datum.

PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 48.33 ft below land-surface datum, July 10, 1990; lowest recorded, 142.48 ft below land-surface datum, Oct. 5, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	74.57	JAN 27	71.87	FEB 14	72.35	APR 22	69.24	JUL 08	69.08
WATER YEAR 2003 HIGHEST		69.08 JUL 08, 2003		LOWEST		74.57 OCT 09, 2002			



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-896, Site ID 303905090583301.

LOCATION.--Lat 30°39'05", long 90°58'33", Hydrologic Unit 08070202, Sec. 51, T. 4S, R. 2E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 73 ft, screened 70-73 ft, casing diameter 1 $\frac{1}{4}$ in.

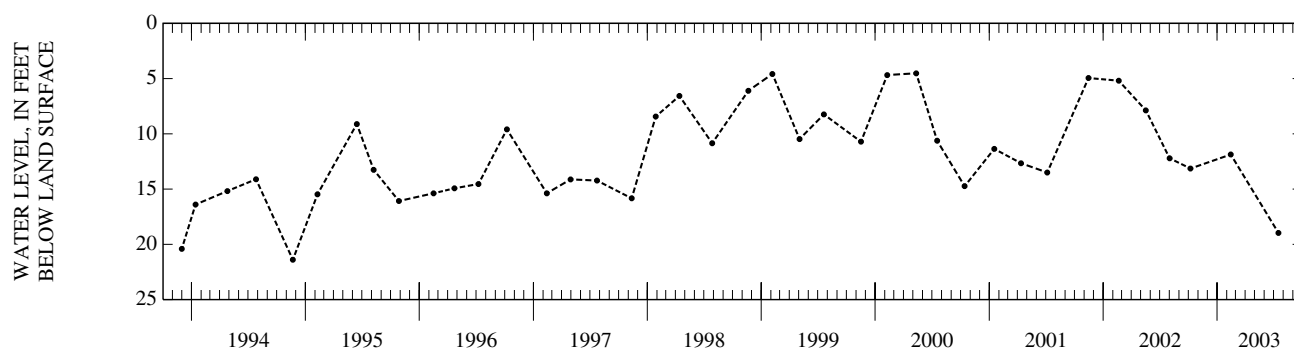
DATUM.--Elevation of land surface datum is 82 ft above NGVD of 1929. Measuring point: Top of 1 $\frac{1}{4}$ -in. casing, at land-surface datum.

PERIOD OF RECORD.--1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.52 ft below land-surface datum, May 11, 2000; lowest recorded, 21.40 ft below land-surface datum, Nov 21, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	13.14	FEB 13	11.87	JUL 16	18.97
WATER YEAR 2003 HIGHEST 11.87 FEB 13, 2003 LOWEST 18.97 JUL 16, 2003					



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-917, Site ID 302614091083001.

LOCATION.--Lat 30°26'14", long 91°08'30", Hydrologic Unit 08070202, Sec. 95, T. 7S, R. 1E.

AQUIFER.--"1,500-foot" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 1,736 ft, screened 1,731-1,736 ft, casing diameter 4 to 2 1/2 in.

DATUM.--Elevation of land surface datum is 46.56 ft above NGVD of 1929. Measuring point: Top of 3/4-in. casing, 1.9 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

REMARKS.-- Missing levels, Dec. 9, 2002 to Jan. 6, 2003, due to recorder malfunction. Missing levels, May 20 to June 13, 2003, water-levels below lowest recorded level.

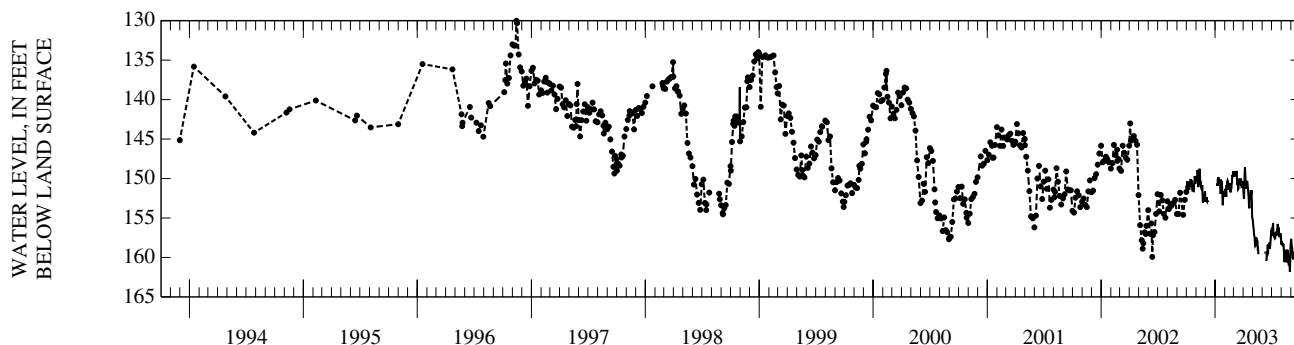
PERIOD OF RECORD.--1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 116.98 ft below land-surface datum, Apr. 10, 1978; lowest recorded, 162.40 ft below land-surface datum, Aug. 29, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 162.40 ft, Aug. 28; minimum water-level depth below land surface, 147.70 ft, Nov. 12.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150.88	149.92	152.74	---	151.61	149.77	151.56	155.26	---	156.25	158.38	157.64
2	151.28	150.22	152.45	---	151.30	149.48	152.36	155.75	---	156.45	157.99	158.01
3	150.35	149.76	152.95	---	151.44	149.09	152.54	156.19	---	157.18	158.30	158.54
4	151.10	149.78	152.36	---	151.95	149.40	150.81	156.37	---	156.07	158.18	158.68
5	151.84	148.91	152.80	---	152.33	149.31	149.37	157.07	---	155.63	158.58	159.44
6	150.74	149.34	152.91	---	150.82	149.38	148.60	157.26	---	156.80	158.46	159.85
7	150.77	151.09	152.78	150.63	151.16	149.60	149.45	157.56	159.39	157.21	158.26	160.01
8	151.09	150.79	152.96	150.94	150.44	149.71	150.31	158.20	---	157.43	158.64	160.24
9	151.32	150.70	---	150.06	150.28	149.29	151.26	158.55	---	157.00	159.37	159.56
10	151.39	150.43	---	149.81	150.40	149.04	151.18	158.49	---	157.48	160.26	159.98
11	150.37	148.76	---	150.60	150.41	149.77	150.69	158.27	---	157.61	160.60	159.37
12	151.01	149.20	---	150.51	151.40	150.73	150.54	157.61	---	157.57	159.47	159.31
13	150.36	149.88	---	150.08	151.29	150.81	150.29	157.50	160.30	156.86	159.50	159.88
14	150.07	150.60	---	150.59	150.63	150.40	150.55	158.14	160.40	157.28	159.48	159.08
15	150.38	150.38	---	150.29	150.72	151.35	151.02	157.85	159.20	156.80	159.89	159.17
16	150.82	151.10	---	150.38	150.72	151.29	151.45	157.94	159.82	156.78	159.22	158.24
17	150.22	151.14	---	151.35	150.98	150.01	152.08	158.94	159.67	157.20	159.01	157.91
18	150.87	151.34	---	151.95	151.55	---	152.55	158.92	158.43	156.39	159.42	158.41
19	151.35	151.40	---	151.62	151.75	150.09	153.44	159.59	159.47	156.31	160.34	158.53
20	151.66	150.82	---	150.65	150.86	150.85	153.77	---	158.31	155.75	160.64	159.07
21	---	151.84	---	150.38	151.30	150.17	152.52	---	158.60	156.16	159.04	158.91
22	---	153.07	---	150.45	150.82	150.20	152.51	---	158.87	157.14	159.36	157.36
23	---	152.95	---	151.41	150.57	150.28	152.71	---	158.12	156.21	160.25	157.96
24	151.75	152.77	---	152.61	149.97	150.02	151.74	---	158.55	156.99	160.87	158.24
25	150.76	151.95	---	153.38	149.57	150.24	151.77	---	158.90	157.43	160.85	157.81
26	150.33	152.80	---	152.35	149.74	150.97	151.90	---	158.36	157.28	160.63	158.08
27	149.69	152.64	---	152.13	149.05	150.93	151.47	---	157.86	156.95	161.03	158.58
28	149.96	152.90	---	151.82	149.43	151.07	153.00	---	157.35	157.27	161.79	157.87
29	150.66	151.61	---	151.86	---	150.37	154.82	---	156.53	157.30	160.46	158.29
30	149.87	152.54	---	152.26	---	151.00	155.11	---	157.20	157.24	158.57	157.42
31	150.29	---	---	152.04	---	151.08	---	---	---	158.07	158.03	---
MAX	---	153.07	---	---	152.33	---	155.11	---	---	158.07	161.79	160.24
MIN	---	148.76	---	---	149.05	---	148.60	---	---	155.63	157.99	157.36



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-933, Site ID 302955091060601.

LOCATION.--Lat 30°29'55", long 91°06'06", Hydrologic Unit 08070202, Sec. 50, T. 6S, R. 1E.

AQUIFER.--"600-foot" sand of Baton Rouge area of Pleistocene age (11206BR).

WELL CHARACTERISTICS.--Depth 603 ft, screened 592-603 ft, casing diameter 2 in.

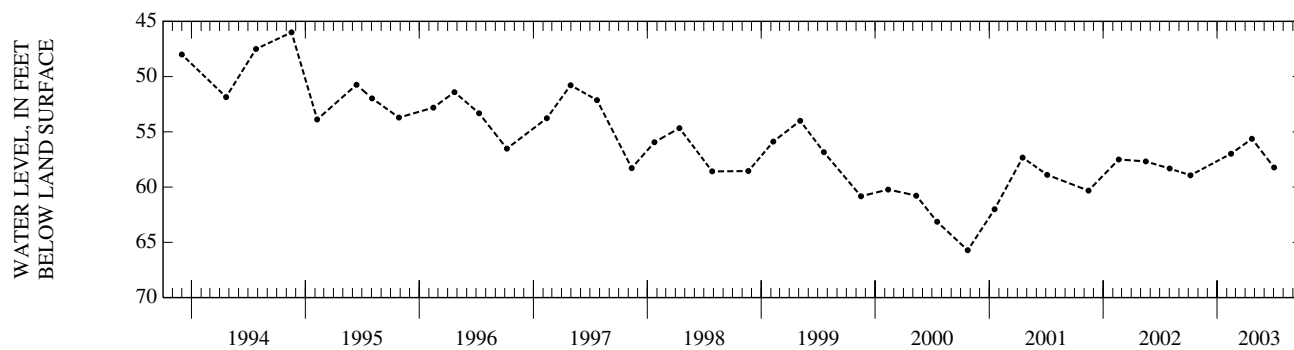
DATUM.--Elevation of land surface datum is 51 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 1.30 ft above land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.67 ft below land-surface datum, July 11, 1991; lowest recorded, 67.84 ft below land-surface datum, Nov. 18, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	58.93	FEB 14	56.98	APR 22	55.63	JUL 02	58.23
WATER YEAR 2003 HIGHEST		55.63	APR 22, 2003	LOWEST		58.93	OCT 07, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-934, Site ID 302955091060501.

LOCATION.--Lat 30°29'55", long 91°06'05", Hydrologic Unit 08070202, Sec. 50, T. 6S, R. 1E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 385 ft, screened 372-385 ft, casing diameter 2 in.

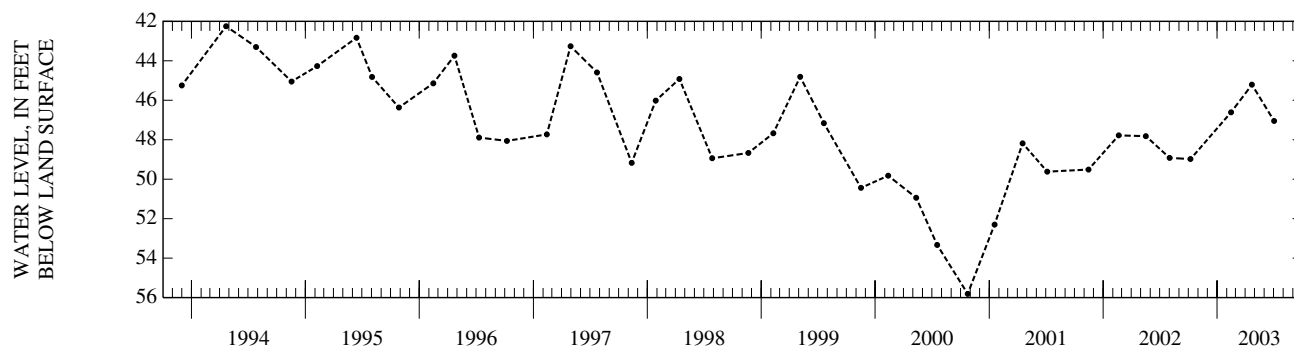
DATUM.--Elevation of land surface datum is 51 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 1.10 ft above land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 37.55 ft below land-surface datum, July 11, 1991; lowest recorded, 55.98 ft below land-surface datum, Nov. 18, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	48.98	FEB 14	46.61	APR 22	45.21	JUL 02	47.05
WATER YEAR 2003		HIGHEST	45.21	APR 22, 2003	LOWEST	48.98	OCT 07, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-944, Site ID 302932091101901.

LOCATION.--Lat 30°29'32", long 91°10'19", Hydrologic Unit 08070201, Sec. 43, T. 6S, R. 1W.

AQUIFER.--"2,800-foot" sand of Baton Rouge area of Miocene age (12228BR).

WELL CHARACTERISTICS.--Depth 2,792 ft, screened 2,782-2,792 ft, casing diameter 4 and 2 in.

DATUM.--Elevation of land surface datum is 59 ft above NGVD of 1929. Measuring point: Far right edge of side opening of 2-in. tee on well, 1.63 ft above land-surface datum.

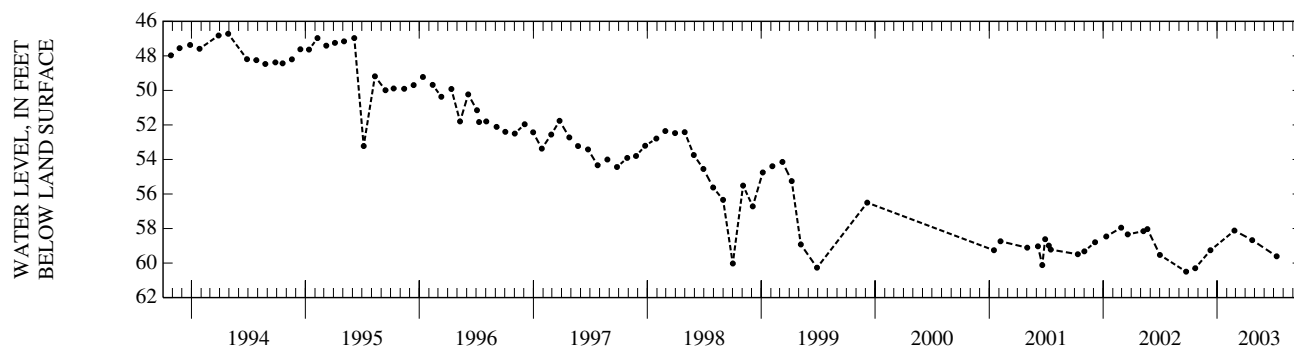
PERIOD OF RECORD.--1975-99, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 33.53 ft below land-surface datum, Feb. 4, 1975; lowest recorded, 60.50 ft below land-surface datum, Sept. 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	60.30	DEC 10	59.26	FEB 25	58.12	APR 23	58.67	JUL 10	59.61

WATER YEAR 2003 HIGHEST 58.12 FEB 25, 2003 LOWEST 60.30 OCT 22, 2002



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-945, Site ID 302932091101902.

LOCATION.--Lat 30°29'32", long 91°10'19", Hydrologic Unit 08070201, Sec. 43, T. 6S, R. 1W.

AQUIFER.--"600-foot" sand of Baton Rouge area of Pleistocene age (11206BR).

WELL CHARACTERISTICS.--Depth 654 ft, screened 644-654 ft, casing diameter 4 and 2 in.

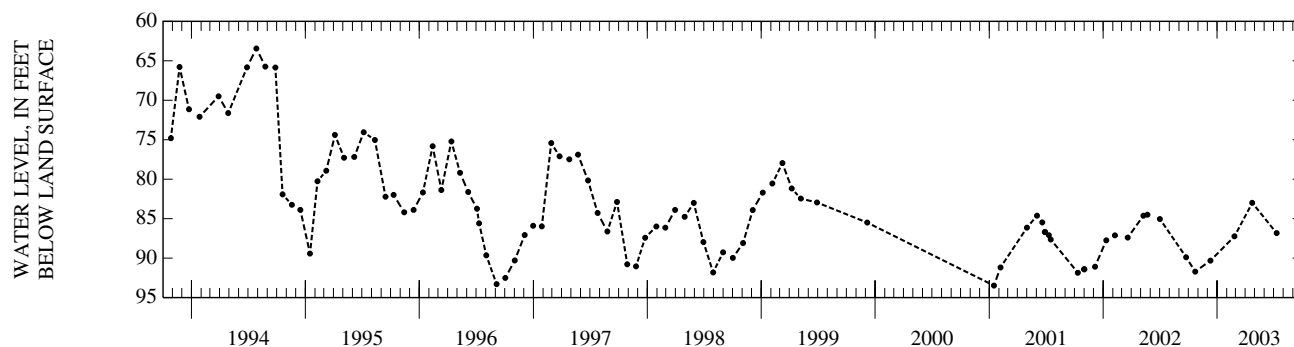
DATUM.--Elevation of land surface datum is 59 ft above NGVD of 1929. Measuring point: Far right edge of side opening of 2-in. tee on well casing liner, 2.27 ft above land-surface datum.

PERIOD OF RECORD.--1975-99, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 59.09 ft below land-surface datum, July 9, 1990; lowest recorded, 158.05 ft below land-surface datum, Aug. 26, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	91.71	DEC 10	90.31	FEB 25	87.24	APR 23	82.99	JUL 10	86.83
WATER YEAR 2003 HIGHEST 82.99 APR 23, 2003 LOWEST 91.71 OCT 22, 2002									



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-946, Site ID 302932091101903.

LOCATION.--Lat 30°29'32", long 91°10'19", Hydrologic Unit 08070201, Sec. 43, T. 6S, R. 1W.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,234 ft, screened 1,224-1,234 ft, casing diameter 4 and 2 in.

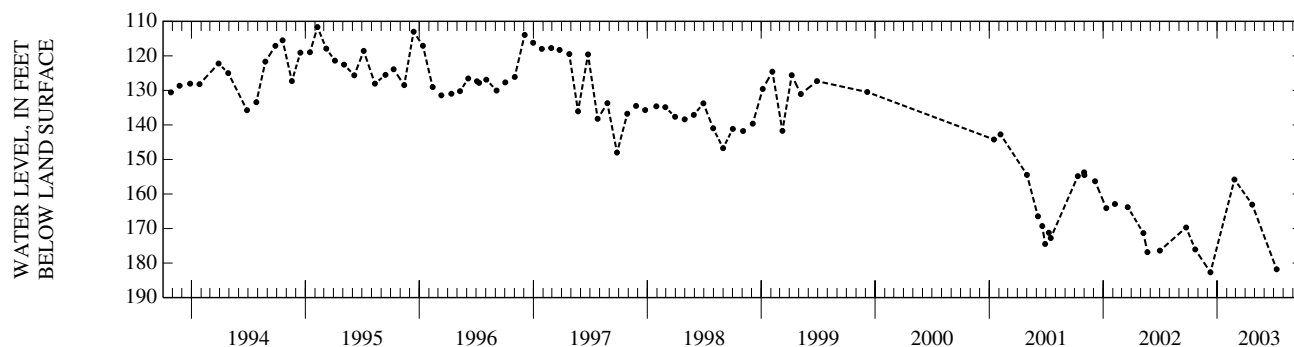
DATUM.--Elevation of land surface datum is 59 ft above NGVD of 1929. Measuring point: Right-center edge of 2-in. tee, 2.02 ft above land-surface datum.

PERIOD OF RECORD.--1975-99, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 97.73 ft below land-surface datum, June 2, 1992; lowest recorded, 193.08 ft below land-surface datum, Oct. 2, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	176.05	DEC 10	182.69	FEB 25	155.78	APR 23	163.07	JUL 10	181.80
WATER YEAR 2003 HIGHEST 155.78 FEB 25, 2003 LOWEST 182.69 DEC 10, 2002									



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-996, Site ID 303149091093301.

LOCATION.--Hydrologic Unit 08070202.

AQUIFER.--"1,500-foot" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 1,374 ft, screened 1,274-1374 ft, casing diameter 10 to 6 in.

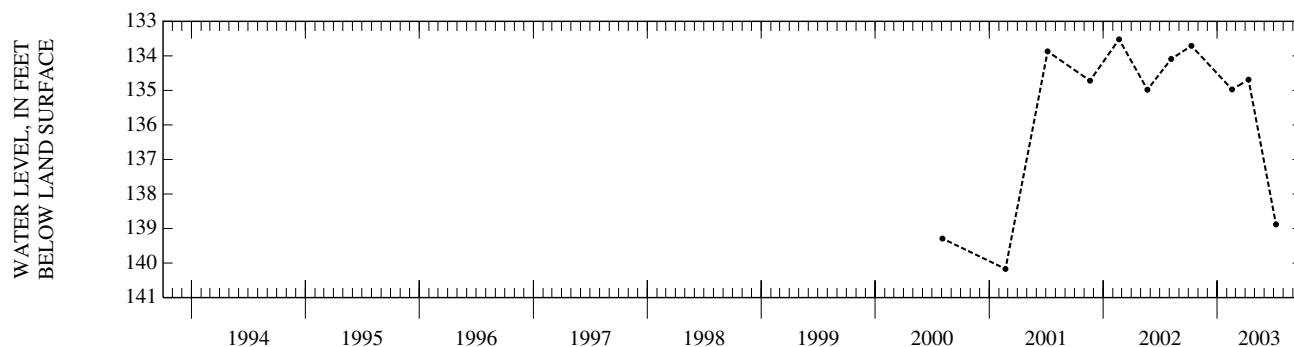
DATUM.--Elevation of land surface datum is 60 ft above NGVD of 1929. Measuring point: 1-in. hole on east side of well casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1968, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 80.00 ft below land-surface datum (reported), Dec. 7, 1968; lowest recorded, 140.17 ft below land-surface datum, Feb. 21, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	133.71	FEB 17	134.97	APR 11	134.69	JUL 08	138.88
WATER YEAR 2003 HIGHEST 133.71		OCT 10, 2002		LOWEST 138.88		JUL 08, 2003	



LOCAL NUMBER.--EB-1000, Site ID 303251091115001.

LOCATION.--Lat 30°32'51", long 91°11'50", Hydrologic Unit 08070202, Sec. 69, T. 6S, R. 1W.

AQUIFER.--"2,800-foot sand of Baton Rouge area of Miocene age (12228BR).

WELL CHARACTERISTICS.--Depth 2,926 ft, screened 2,916-2,926 ft, casing diameter 2 1/2 in.

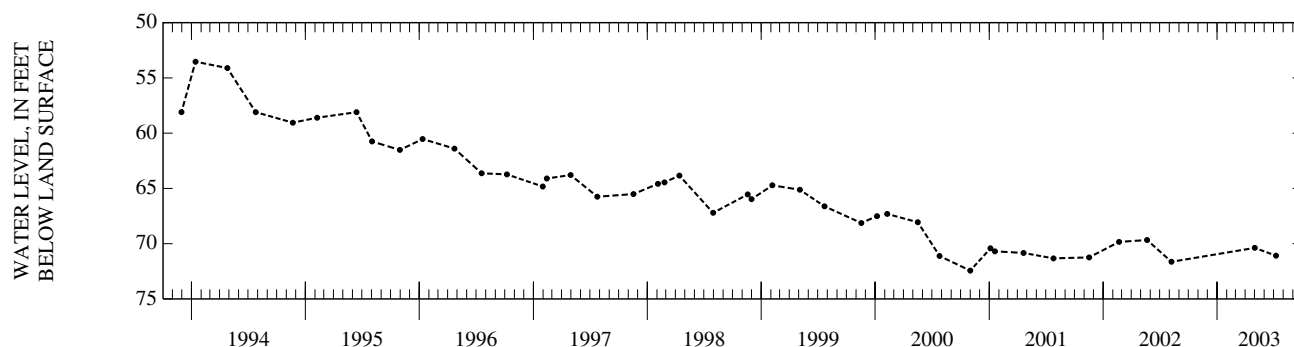
DATUM.--Elevation of land surface datum is 68 ft above NGVD of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.15 ft below land-surface datum, Apr. 22, 1985; lowest recorded, 72.44 ft below land-surface datum, Oct. 31, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 01	70.38	JUL 08	71.09
WATER YEAR 2003 HIGHEST 70.38		MAY 01, 2003	
		LOWEST 71.09	
		JUL 08, 2003	



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-1019, Site ID 302919091020501.

LOCATION.--Lat 30°29'19", long 91°02'05", Hydrologic Unit 08070202, Sec. 52, T. 6S, R. 2E.

AQUIFER.--"600-foot" sand of Baton Rouge area of Pleistocene age (11206BR).

WELL CHARACTERISTICS.--Depth 700 ft, screened 690-700 ft, casing diameter 2 in.

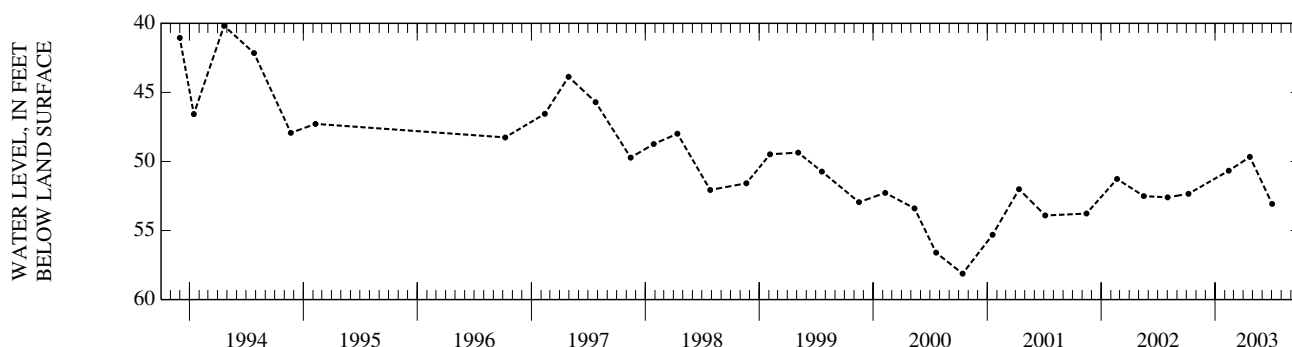
DATUM.--Elevation of land surface datum is 49 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, at land-surface datum.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.70 ft below land-surface datum, Apr. 12, 1983; lowest recorded, 58.12 ft below land-surface datum, Oct. 13, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	52.34	FEB 13	50.67	APR 22	49.67	JUL 02	53.07
WATER YEAR 2003		HIGHEST	49.67	APR 22, 2003	LOWEST	53.07	JUL 02, 2003



LOCAL NUMBER.--EB-1028, Site ID 302605091100901.

LOCATION.--Lat 30°26'05", long 91°10'09", Hydrologic Unit 08070202, Sec. 53, T. 7S, R. 1W.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 2,238 ft, screened 2,223-2,238 ft, casing diameter 2 1/2 in.

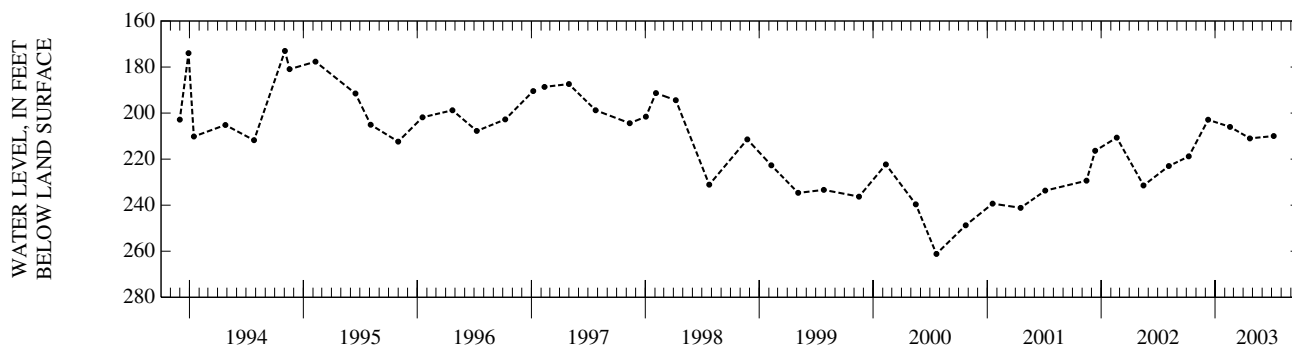
DATUM.--Elevation of land surface datum is 40 ft above NGVD of 1929. Measuring point: Top edge of 1-in. airline, 0.30 ft below land-surface datum.

PERIOD OF RECORD.--1981-88, 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 172.99 ft below land-surface datum, Nov. 2, 1994; lowest recorded, 261.17 ft below land-surface datum, July 21, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	218.81	DEC 09	202.91	FEB 17	205.98	APR 22	210.99	JUL 07	209.97
WATER YEAR 2003		HIGHEST	202.91	DEC 09, 2002	LOWEST	218.81	OCT 08, 2002		



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-1234, Site ID 303853091165801.

LOCATION.--Lat 30°38'53", long 91°16'58", Hydrologic Unit 08070201, Sec. 39, T. 5S, R. 2W.

AQUIFER.--"400 and 600-foot" sands of Baton Rouge area of Pleistocene age (11205BR).

WELL CHARACTERISTICS.--Depth 250 ft, screened 210-250 ft, casing diameter 4 in.

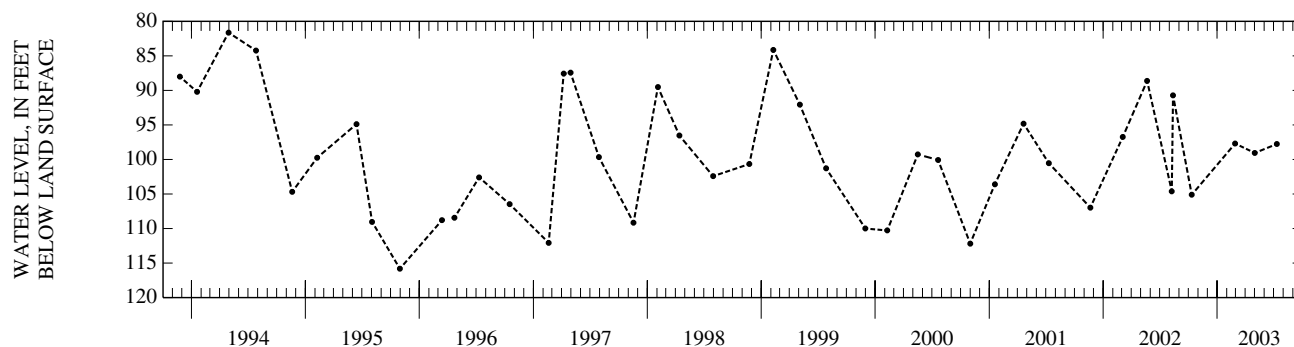
DATUM.--Elevation of land surface datum is 97 ft above NGVD of 1929. Measuring point: Top of 4-in. casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1990, 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 81.63 ft below land-surface datum, Apr. 29, 1994; lowest recorded, 115.82 ft below land-surface datum, Oct. 30, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	105.11	FEB 27	97.70	MAY 01	99.06	JUL 11	97.76
WATER YEAR 2003 HIGHEST		97.70 FEB 27, 2003		LOWEST		105.11 OCT 11, 2002	



LOCAL NUMBER.--EB-1264, Site ID 302543091015001.

LOCATION.--Lat 30°25'43", long 91°01'50", Hydrologic Unit 08070202, Sec. 20, T. 7S, R. 2E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 498 ft, screened 488-498 ft, casing diameter 2 in.

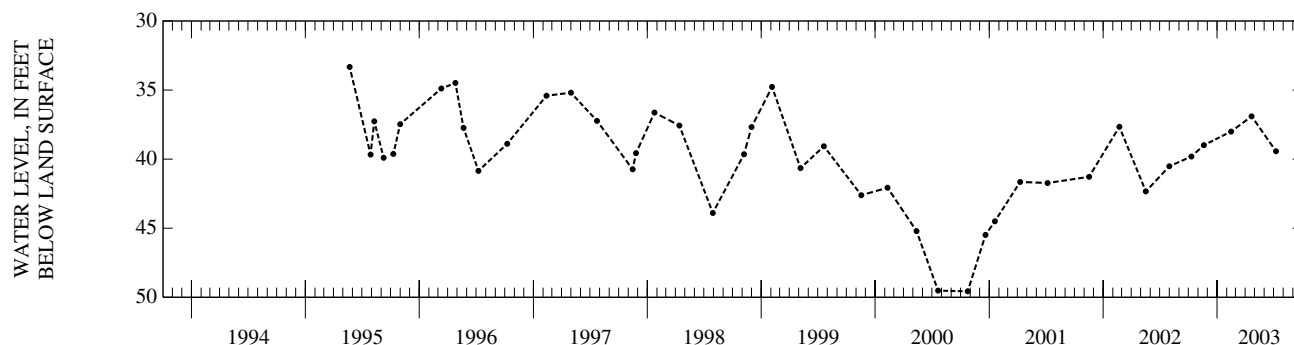
DATUM.--Elevation of land surface datum is 38 ft above NGVD of 1929. Measuring point: Top of 2-in. collar, at land-surface datum.

PERIOD OF RECORD.--1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 33.32 ft below land-surface datum (reported), May 22, 1995; lowest recorded, 49.57 ft below land-surface datum, Oct. 23, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	39.81	NOV 19	38.99	FEB 14	38.00	APR 21	36.90	JUL 08	39.43
WATER YEAR 2003 HIGHEST		36.90 APR 21, 2003		LOWEST		39.81 OCT 10, 2002			



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-1274, Site ID 302642091083401.

LOCATION.--Lat 30°26'42", long 91°08'34", Hydrologic Unit 08070202, Sec. 81, T. 7S, R. 1E.

AQUIFER.--"800-foot" sand of Baton Rouge area of Pliocene age (12108BR).

WELL CHARACTERISTICS.--Depth 855 ft, screened 835-855 ft, casing diameter 6 to 4 in.

DATUM.--Elevation of land surface datum is 44 ft above NGVD of 1929. Measuring point: Hole in gage house floor, 4.3 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

REMARKS.--No stage recorded for the period, Apr. 26 to Apr. 28, 2003, and July 1 to July 4, 2003, due to recorder malfunction.

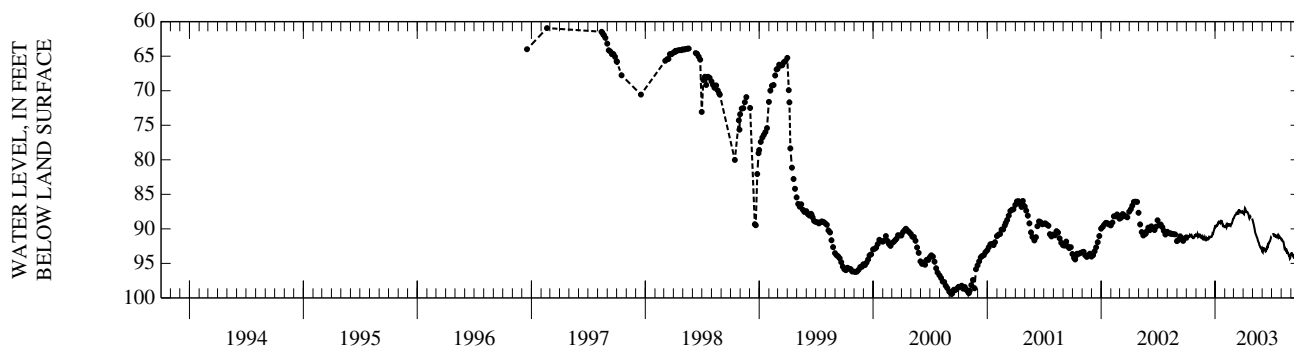
PERIOD OF RECORD.--1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 60.93 ft below land-surface datum, Feb. 19, 1997; lowest recorded, 99.44 ft below land-surface datum, Sept. 8, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 94.46 ft, Aug. 28; minimum water-level depth below land surface, 86.87 ft, Mar. 18.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91.12	90.95	91.48	89.67	89.66	88.48	87.72	88.79	93.35	---	91.58	93.55
2	91.17	90.99	91.43	89.74	89.56	88.37	87.84	89.01	93.41	---	91.52	93.53
3	90.91	90.89	91.51	89.71	89.55	88.21	87.89	89.22	92.94	---	91.60	93.62
4	91.08	90.92	91.37	89.59	89.66	88.14	87.61	89.36	93.04	---	91.67	93.59
5	91.25	90.73	91.47	89.46	89.76	88.04	87.26	89.60	93.00	90.61	91.79	93.74
6	91.09	90.86	91.53	89.45	89.46	87.98	87.00	89.82	92.81	90.81	91.83	93.86
7	91.06	91.18	91.50	89.51	89.54	87.96	87.07	90.04	92.82	90.89	91.85	93.96
8	91.10	91.14	91.53	89.45	89.40	87.90	87.23	90.32	92.89	90.96	92.01	94.04
9	91.11	91.06	91.39	89.18	89.30	87.78	87.50	90.57	93.07	90.91	92.31	93.93
10	91.10	90.98	91.42	89.10	89.35	87.67	87.55	90.71	93.19	91.02	92.60	94.01
11	90.95	90.70	91.42	89.23	89.33	87.69	87.49	90.84	93.29	91.08	92.87	93.90
12	91.05	90.83	91.16	89.18	89.55	87.80	87.53	90.93	93.25	91.10	92.81	93.88
13	90.98	91.03	91.18	89.03	89.56	87.77	87.53	91.06	93.07	91.01	92.91	93.88
14	90.89	91.14	91.28	89.07	89.39	87.64	87.58	91.23	92.99	91.08	92.94	93.72
15	90.92	91.09	91.23	88.99	89.34	87.76	87.69	91.29	92.73	91.04	93.08	93.66
16	91.01	91.24	91.13	88.94	89.32	87.78	87.75	91.40	92.78	91.08	93.00	93.45
17	90.94	91.30	91.13	89.12	89.39	87.53	87.93	91.65	92.68	91.15	92.98	93.29
18	91.08	91.33	91.14	89.21	89.50	87.17	88.06	91.72	92.38	90.99	93.13	93.29
19	91.19	91.28	91.18	89.17	89.56	87.32	88.33	91.93	92.45	90.98	93.44	93.33
20	91.28	91.14	91.17	88.97	89.42	87.51	88.47	91.99	92.15	90.90	93.61	93.46
21	91.34	91.27	91.04	88.86	89.36	87.55	88.35	92.08	92.10	90.95	93.40	93.48
22	91.34	91.51	90.93	88.87	89.26	87.60	88.30	92.34	92.09	91.13	93.43	93.21
23	91.14	91.54	90.68	89.12	89.23	87.56	88.32	92.43	91.86	91.00	93.58	93.26
24	91.37	91.49	90.72	89.33	89.07	87.48	88.06	92.50	91.85	91.12	93.78	93.30
25	91.22	91.33	90.63	89.51	88.88	87.49	88.04	92.64	91.80	91.25	93.89	93.29
26	91.10	91.46	90.48	89.47	88.77	87.59	---	92.63	91.63	91.27	93.87	93.38
27	90.91	91.45	90.29	89.56	88.53	87.55	---	92.66	91.48	91.22	94.03	93.49
28	90.89	91.51	90.17	89.60	88.51	87.61	---	92.83	91.31	91.30	94.31	93.43
29	90.97	91.27	89.93	89.64	---	87.53	88.50	92.82	91.09	91.32	94.24	93.55
30	90.89	91.39	89.89	89.74	---	87.60	88.67	92.94	91.07	91.35	93.89	93.39
31	90.98	---	89.64	89.73	---	87.65	---	93.17	---	91.49	93.71	---
MAX	91.37	91.54	91.53	89.74	89.76	88.48	---	93.17	93.41	---	94.31	94.04
MIN	90.89	90.70	89.64	88.86	88.51	87.17	---	88.79	91.07	---	91.52	93.21



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-1278, Site ID 302501091052601.

LOCATION.--Lat 30°25'01", long 91°05'26", Hydrologic Unit 08070202, Sec. 39, T. 7S, R. 1E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 547 ft, screened 537-547 ft, casing diameter 2 in.

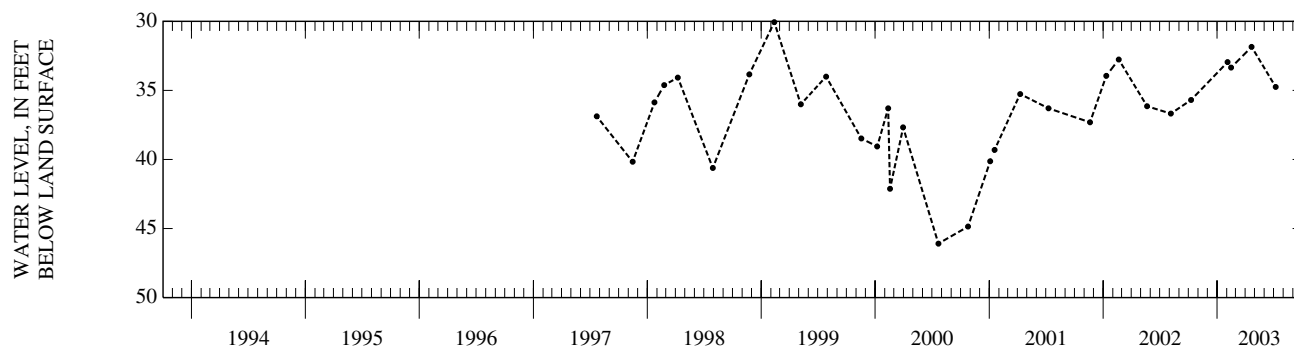
DATUM.--Elevation of land surface datum is 31 ft above NGVD of 1929. Measuring point: Top of 2-in. aluminum pipe, 3.17 ft above land-surface datum.

PERIOD OF RECORD.--1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 30.06 ft below land-surface datum, Feb. 11, 1999; lowest recorded, 46.09 ft below land-surface datum, July 21, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	35.69	FEB 03	32.95	FEB 14	33.35	APR 21	31.85	JUL 07	34.75
WATER YEAR 2003 HIGHEST 31.85 APR 21, 2003 LOWEST 35.69 OCT 09, 2002									



EAST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--EB-1293, Site ID 302636091083802.

LOCATION.--Lat 30°26'36", long 91°08'38", Hydrologic Unit 08070202, Sec. 81, T. 7S, R. 1E.

AQUIFER.--"1,500-foot" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 1,754 ft, screened 780-800, 825-865, and 1,620-1,744 ft, casing diameter 18 to 10 in.

DATUM.--Elevation of land surface datum is 45 ft above NGVD of 1929. Measuring point: Hole in 2 1/2-in. cap after removing 3/4-in. nipple from marked cap, 4.82 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

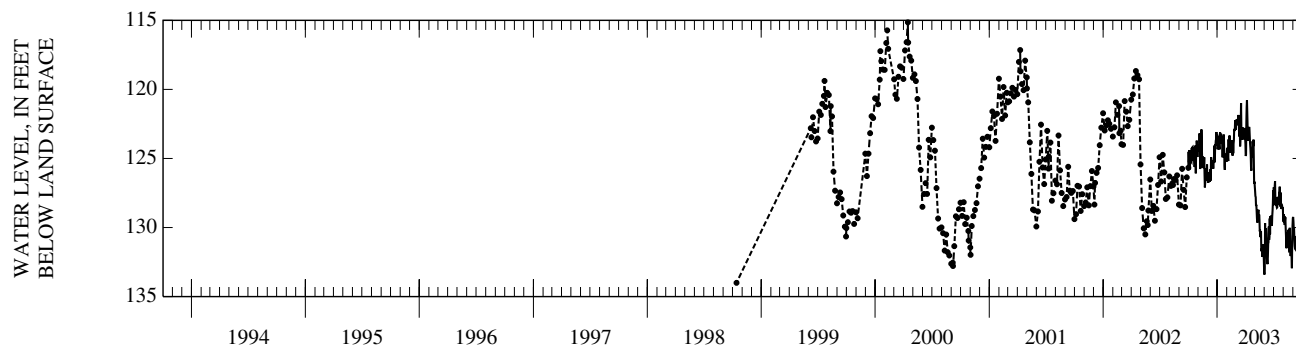
PERIOD OF RECORD.--1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 115.15 ft below land-surface datum, Apr. 14, 2000; lowest recorded, 134.00 ft below land-surface datum (reported), Oct. 13, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 134.03 ft, June 2; minimum water-level depth below land surface, 119.40 ft, Mar. 18.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124.52	123.98	126.50	123.75	124.34	122.92	123.94	126.99	133.41	127.08	129.55	129.24
2	125.29	124.50	126.22	124.34	124.23	122.52	124.82	127.34	132.85	127.65	129.04	129.56
3	124.39	123.99	126.77	124.09	124.40	122.19	124.74	127.72	129.67	128.26	129.58	130.12
4	125.20	124.28	126.02	123.85	124.89	122.49	122.37	127.79	131.54	126.98	129.16	130.12
5	125.79	123.18	126.55	123.36	125.19	122.35	121.30	128.44	130.73	126.64	129.82	130.94
6	124.54	124.14	126.54	123.60	123.62	122.39	120.79	128.34	130.04	127.98	129.43	131.34
7	124.73	125.77	126.40	124.11	124.29	122.52	121.75	128.84	130.42	128.26	129.25	131.53
8	125.02	125.03	126.70	124.35	123.47	122.59	122.66	129.33	131.05	128.41	129.99	131.56
9	125.21	125.05	125.81	123.25	123.34	122.08	123.71	129.64	132.24	127.91	130.58	131.06
10	125.25	124.68	126.62	123.12	123.43	121.85	123.46	129.50	132.58	128.48	131.34	131.32
11	124.24	122.90	126.12	123.90	123.78	122.69	123.03	129.23	132.65	128.57	131.50	130.70
12	125.13	123.88	124.92	123.62	124.59	123.41	123.05	128.78	132.10	128.54	130.34	130.62
13	124.19	124.73	125.53	123.21	124.50	123.34	122.72	128.71	131.17	127.78	130.58	131.33
14	124.17	125.65	125.69	123.70	123.70	122.90	122.92	129.56	131.08	128.37	130.62	130.23
15	124.45	124.86	125.41	123.43	123.86	124.13	123.44	129.06	129.93	127.87	131.08	130.55
16	124.93	125.69	125.12	123.49	123.70	123.72	123.95	129.40	130.90	127.88	130.17	129.42
17	124.23	125.52	125.30	124.38	124.08	122.58	124.27	130.28	130.66	128.33	130.28	129.17
18	124.93	125.61	125.46	124.92	124.60	120.99	124.75	130.16	129.34	127.48	130.75	129.94
19	125.46	125.60	125.74	124.32	124.80	122.89	125.63	130.70	130.48	127.46	131.71	129.97
20	125.61	124.92	125.40	123.42	123.85	123.65	125.88	130.52	129.18	127.04	131.69	130.50
21	125.52	126.14	124.94	123.32	124.63	123.03	124.48	130.29	129.80	127.83	130.02	130.27
22	125.43	127.10	124.71	123.32	123.95	123.45	124.91	131.72	129.86	128.48	130.65	128.64
23	124.06	126.81	124.06	124.53	123.68	122.88	124.75	131.58	129.13	127.47	131.72	129.57
24	126.08	126.57	125.28	125.54	122.95	122.76	123.75	131.52	129.50	128.52	132.06	129.71
25	124.64	125.69	123.96	125.83	122.86	123.03	123.95	132.12	129.87	128.65	131.67	129.40
26	124.40	126.62	124.07	124.85	123.01	123.62	124.11	131.31	129.17	128.37	131.75	129.75
27	123.71	126.33	123.71	124.79	122.25	123.55	123.64	131.21	128.77	128.36	132.17	130.23
28	124.11	126.32	123.60	124.66	122.61	123.54	125.26	132.09	128.26	128.47	132.95	129.30
29	124.90	125.44	123.09	124.82	---	122.79	126.83	131.83	127.33	128.67	131.01	129.89
30	123.96	126.38	123.82	125.25	---	123.18	126.68	132.31	128.38	128.52	129.88	128.59
31	124.48	---	123.26	124.86	---	123.50	---	133.19	---	129.53	129.31	---
MAX	126.08	127.10	126.77	125.83	125.19	124.13	126.83	133.19	133.41	129.53	132.95	131.56
MIN	123.71	122.90	123.09	123.12	122.25	120.99	120.79	126.99	127.33	126.64	129.04	128.59



EAST CARROLL PARISH

LOCAL NUMBER.--EC-55, Site ID 324040091110801.

LOCATION.--Lat 32°40'40", long 91°11'08", Hydrologic Unit 08050003, Sec. 38, T.20N, R.12E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

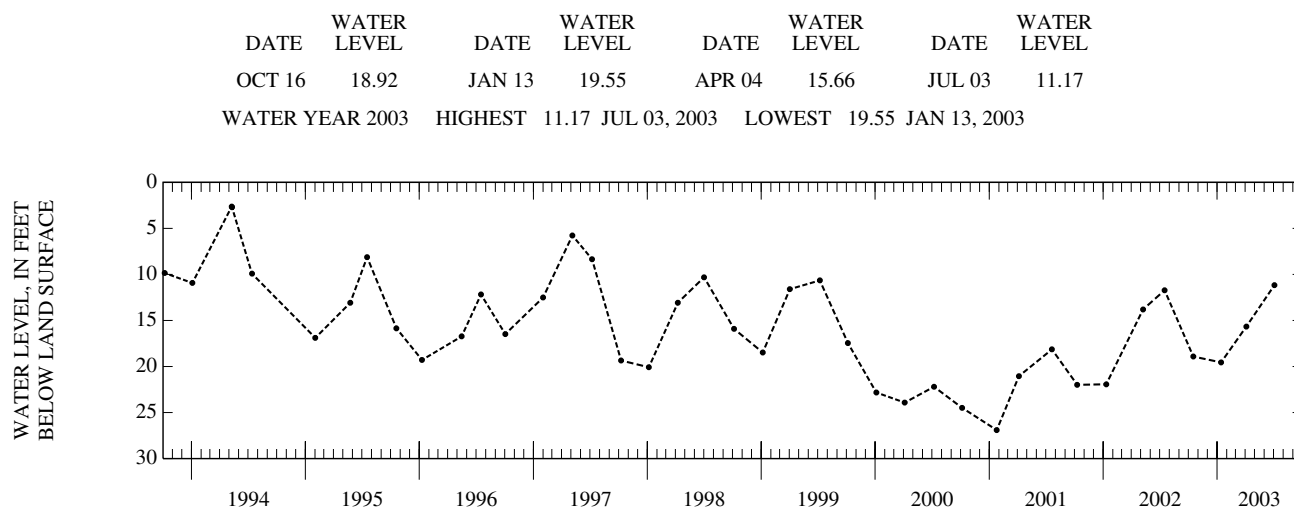
WELL CHARACTERISTICS.--Depth 114 ft, screened 74-114 ft, casing diameter 12 in.

DATUM.--Elevation of land surface datum is 97 ft above NGVD of 1929. Measuring point: Hole in center of well cap, 0.05 ft below land-surface datum.

PERIOD OF RECORD.--1955, 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.26 ft below land-surface datum, May 16, 1973; lowest recorded, 29.63 ft below land-surface datum, June 22, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003



LOCAL NUMBER.--EC-89, Site ID 325100091132401.

LOCATION.--Lat 32°51'00", long 91°13'24", Hydrologic Unit 08050003, Sec. 41, T.22N, R.12E.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

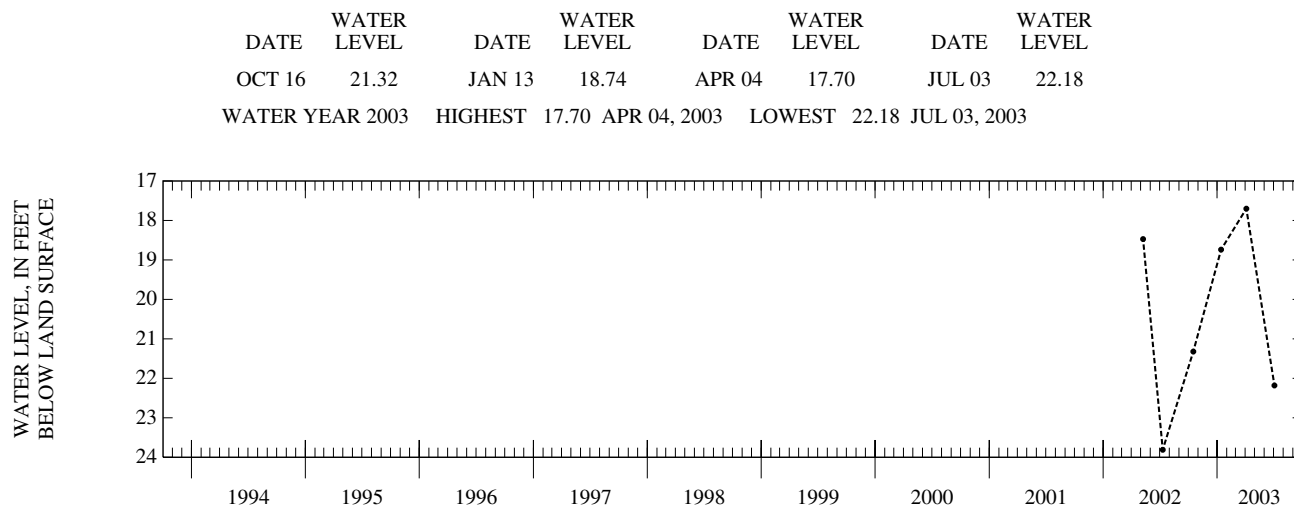
WELL CHARACTERISTICS.--Depth 335 ft, screened 330-335 ft, casing diameter 4 to 2 in.

DATUM.--Elevation of land surface datum is 106.05 ft above NGVD of 1929. Measuring point: Edge of 4-in. pipe, at land-surface datum.

PERIOD OF RECORD.--1955-87, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.53 ft below land-surface datum, May 14, 1958; lowest recorded, 23.81 ft below land-surface datum, July 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003



EAST CARROLL PARISH—Continued

LOCAL NUMBER.--EC-90, Site ID 325100091132402.

LOCATION.--Lat 32°51'00", long 91°13'24", Hydrologic Unit 08050003, Sec. 41, T.22N, R.12E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 88 ft, screened 83-88 ft, casing diameter 2 in.

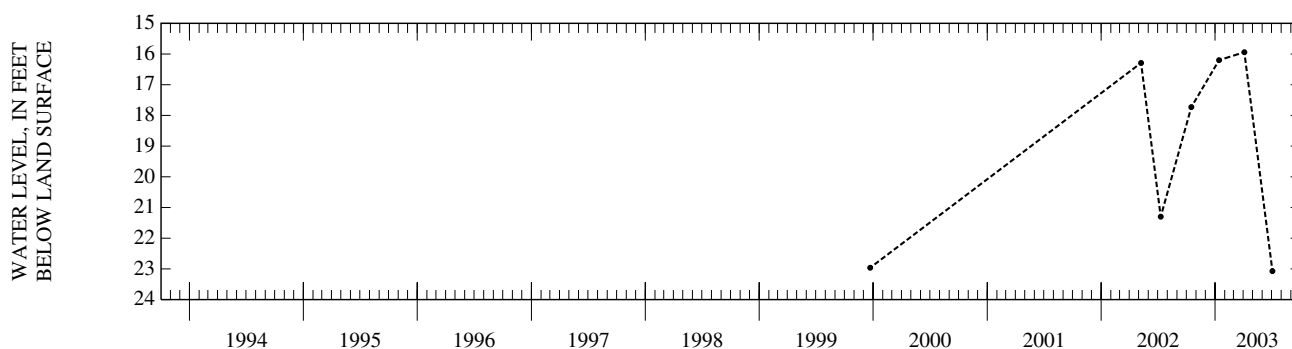
DATUM.--Elevation of land surface datum is 106.05 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--1955-87, 1999, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.31 ft below land-surface datum, Mar. 22, 1973; lowest recorded, 24.50 ft below land-surface datum, Sept. 10, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	17.73	JAN 13	16.20	APR 04	15.94	JUL 03	23.07
WATER YEAR 2003		HIGHEST	15.94	APR 04, 2003	LOWEST	23.07	JUL 03, 2003



EAST FELICIANA PARISH

LOCAL NUMBER.--EF-61 Site ID 305144091010901.

LOCATION.--Hydrologic Unit 08070202.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 305 ft, screened interval unknown ft, casing diameter 6 in.

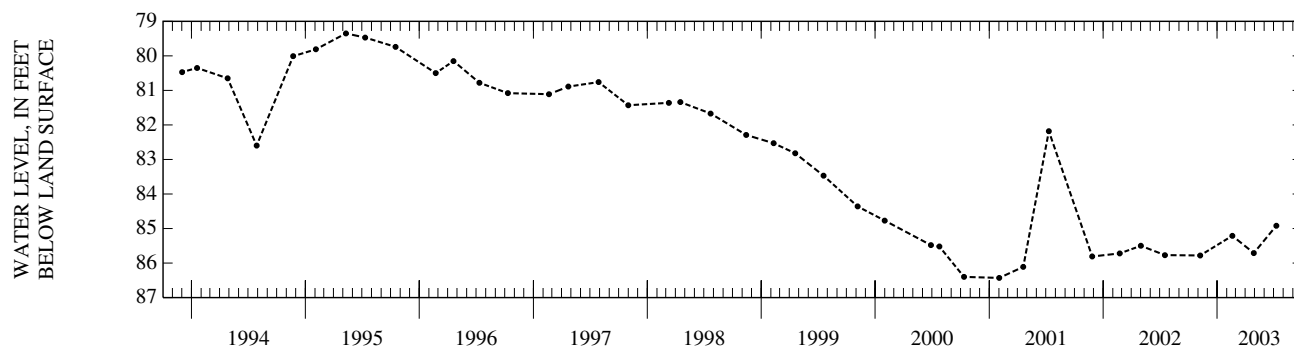
DATUM.--Elevation of land surface datum is 210 ft above NGVD of 1929. Measuring point: Top edge of 1/2-in. hole in cover, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 63.76 ft below land-surface datum, May 16, 1961; lowest recorded, 88.69 ft below land-surface datum, Sept. 15, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 07	85.78	FEB 18	85.21	APR 28	85.71	JUL 09	84.92
WATER YEAR 2003 HIGHEST 84.92		JUL 09, 2003 LOWEST 85.78		NOV 07, 2002			



EAST FELICIANA PARISH—Continued

LOCAL NUMBER.--EF-185, Site ID 304959091093001.

LOCATION.--Lat 30°49'59", long 91°09'30", Hydrologic Unit 08070201, Sec. 45, T. 2S, R. 1E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 1,514 ft, screened 1,469-1,514 ft, casing diameter 14 to 12 to 10 in.

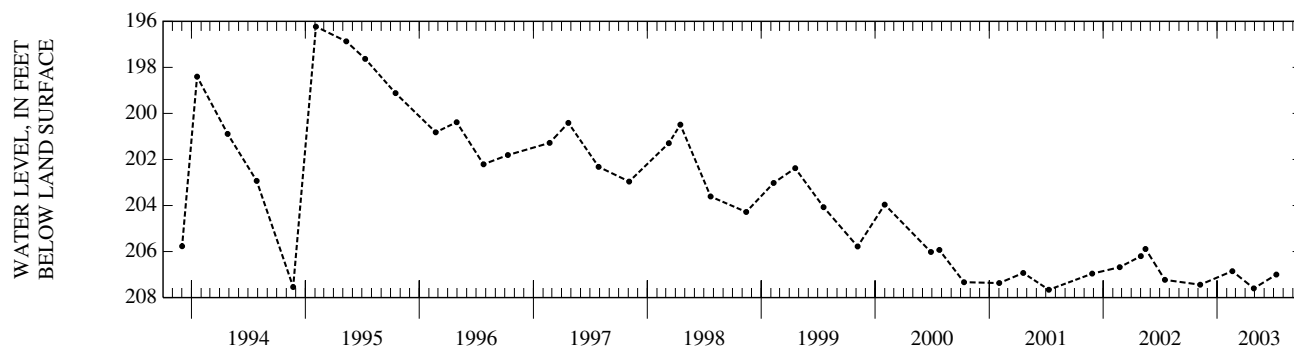
DATUM.--Elevation of land surface datum is 228 ft above NGVD of 1929. Measuring point: Lower edge of 1-in. access pipe, 1.48 ft above land-surface datum.

PERIOD OF RECORD.--1961-88, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 118.54 ft below land-surface datum, May 16, 1961; lowest recorded, 216.95 ft below land-surface datum, Feb. 19, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 07	207.44	FEB 18	206.85	APR 28	207.60	JUL 09	207.00
WATER YEAR 2003 HIGHEST 206.85 FEB 18, 2003				LOWEST 207.60 APR 28, 2003			



EAST FELICIANA PARISH—Continued

LOCAL NUMBER.--EF-223 Site ID 304309091083201.

LOCATION.--Hydrologic Unit 08070202.

AQUIFER.--"2,800-foot" sand of Baton Rouge area of Miocene age (12228BR).

WELL CHARACTERISTICS.--Depth 2,000 ft, screened 1,935-2,000 ft, casing diameter 10 to 6 in.

DATUM.--Elevation of land surface datum is 135 ft above NGVD of 1929. Measuring point: Top of galvanized tee, 2.63 ft above land-surface datum.

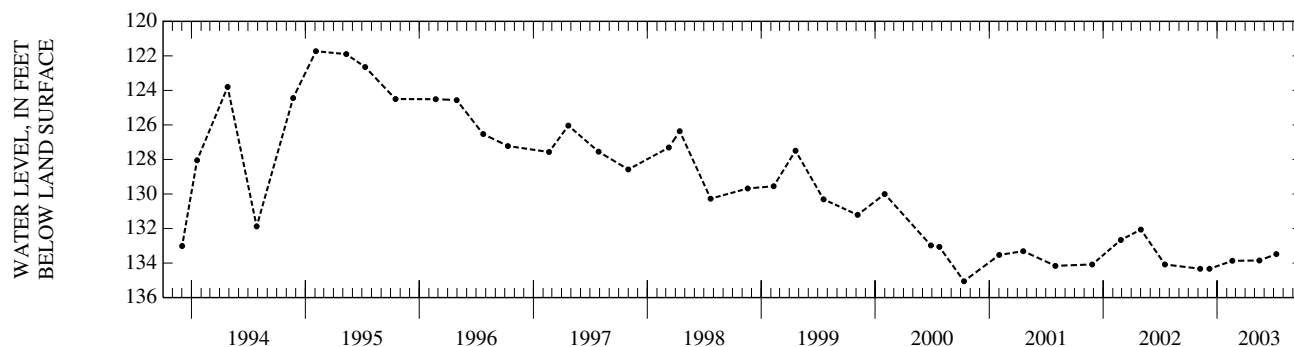
PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 46.19 ft below land-surface datum, Aug. 6, 1964; lowest recorded, 141.72 ft below land-surface datum, Feb. 11, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 07	134.33	DEC 07	134.33	FEB 18	133.87	MAY 16	133.85	JUL 09	133.48

WATER YEAR 2003 HIGHEST 133.48 JUL 09, 2003 LOWEST 134.33 NOV 07, 2002 DEC 07, 2002



EVANGELINE PARISH

LOCAL NUMBER.--Ev-229, Site ID 304120092263001.

LOCATION.--Lat 30°41'20", long 92°26'30", Hydrologic Unit 08080201, Sec. 25, T. 4S, R. 1W.

AQUIFER.--Chicot aquifer, undifferentiated of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 231 ft, screened 149-231 ft, casing diameter 18 to 12 in.

DATUM.--Elevation of land surface datum is 65.66 ft above NGVD of 1929. Measuring point: Hole in floor, marked with black ink, 1.8 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

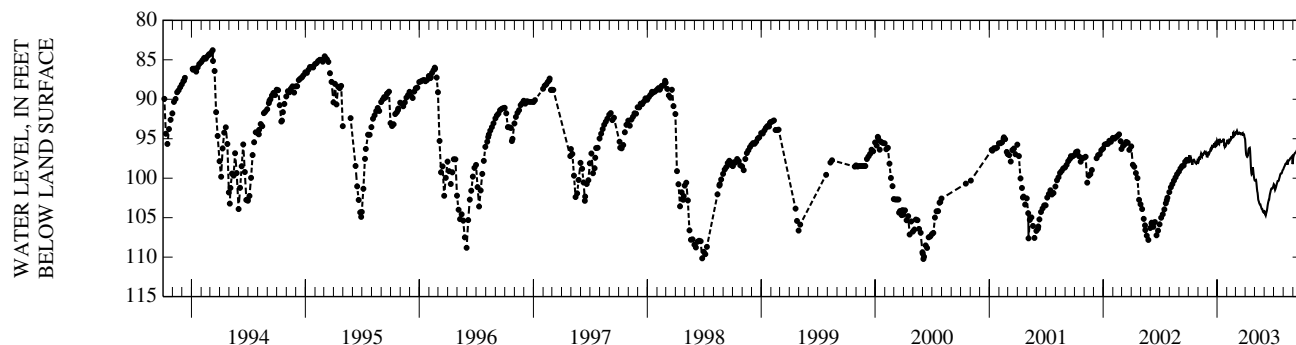
PERIOD OF RECORD.--1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 45.52 ft below land-surface datum, Apr. 18, 1951; lowest recorded, 110.24 ft below land-surface datum, June 3, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 104.78 ft, June 5; minimum water-level depth below land surface, 93.91 ft, Mar. 5.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97.70	98.03	97.15	95.31	95.53	94.27	95.65	100.30	104.33	100.76	98.82	97.44
2	97.61	97.92	96.91	95.44	95.29	94.30	96.37	100.32	104.27	100.81	98.69	97.25
3	97.07	97.65	96.79	95.60	95.12	94.23	96.89	100.32	104.37	101.01	98.60	97.11
4	97.40	97.51	96.64	95.51	95.38	94.09	97.06	100.23	104.63	101.32	98.52	97.00
5	97.52	97.26	96.82	95.41	95.40	93.99	97.16	100.22	104.73	101.49	98.43	96.93
6	97.48	97.57	96.88	95.58	95.21	94.09	97.07	100.51	104.55	101.39	98.32	96.86
7	97.42	97.57	96.78	95.65	95.53	94.36	97.13	100.92	104.39	101.26	98.20	96.79
8	97.35	97.33	96.66	95.33	95.50	94.41	97.20	101.34	104.25	101.15	98.17	96.75
9	97.52	97.04	96.52	95.01	95.16	94.40	97.09	101.68	104.07	100.98	98.13	96.73
10	97.74	96.87	96.36	95.22	95.19	94.38	96.72	101.85	103.82	100.81	98.10	96.71
11	98.01	96.97	96.39	95.42	95.19	94.28	96.40	102.24	103.52	100.67	98.03	96.65
12	98.16	97.26	96.20	95.43	95.20	94.24	96.26	102.68	103.26	100.54	97.94	96.53
13	98.29	97.31	96.11	95.36	95.14	94.29	96.21	102.85	103.05	100.37	98.16	96.53
14	98.05	96.99	96.32	95.38	94.85	94.27	96.16	102.95	102.91	100.35	98.29	96.61
15	97.77	96.81	96.25	95.36	94.68	94.30	96.14	103.12	102.72	100.36	98.10	96.59
16	97.71	96.96	96.09	95.20	94.83	94.37	96.50	103.22	102.71	100.34	97.90	96.50
17	97.77	97.01	95.97	95.41	94.90	94.41	97.27	103.30	102.42	100.28	97.76	96.40
18	97.78	96.95	95.87	95.30	94.87	94.35	98.15	103.33	102.14	100.09	97.73	96.32
19	97.72	96.90	95.82	95.30	94.79	94.37	98.87	103.33	101.94	99.95	97.73	96.32
20	97.78	96.76	96.09	95.14	94.74	94.36	99.31	103.50	101.78	99.81	97.69	96.29
21	97.91	96.66	95.95	95.00	94.22	94.45	99.51	103.62	101.61	99.63	97.63	96.15
22	98.03	96.72	95.92	95.28	94.17	94.48	99.45	103.74	101.45	99.50	97.53	96.15
23	98.08	96.77	95.68	95.79	94.43	94.41	99.20	103.88	101.33	99.42	97.47	96.18
24	98.11	96.66	95.60	95.95	94.63	94.34	98.83	103.91	101.31	99.40	97.45	96.11
25	98.09	96.64	95.94	95.82	94.56	94.47	98.61	103.91	101.31	99.37	97.41	96.10
26	98.14	96.73	96.01	95.82	94.28	94.58	98.98	104.04	101.31	99.38	97.35	96.01
27	98.07	96.98	95.98	95.89	94.27	94.36	99.41	104.24	101.24	99.32	97.28	96.05
28	97.99	97.25	95.94	95.73	94.35	94.53	99.74	104.29	101.12	99.16	97.23	96.19
29	97.81	97.25	95.73	95.64	---	94.79	100.0	104.19	101.06	99.00	97.19	96.28
30	97.91	97.11	95.45	95.71	---	94.91	100.21	104.16	100.89	98.95	98.21	96.28
31	98.00	---	95.21	95.59	---	95.06	---	104.23	---	98.91	98.09	---
MAX	98.29	98.03	97.15	95.95	95.53	95.06	100.21	104.29	104.73	101.49	98.82	97.44
MIN	97.07	96.64	95.21	95.00	94.17	93.99	95.65	100.22	100.89	98.91	97.19	96.01



EVANGELINE PARISH—Continued

LOCAL NUMBER.--Ev-425, Site ID 303251092321401.

LOCATION.--Hydrologic Unit 08080201.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 738 ft, screened 667-738 ft, casing diameter 12 3/4 in.

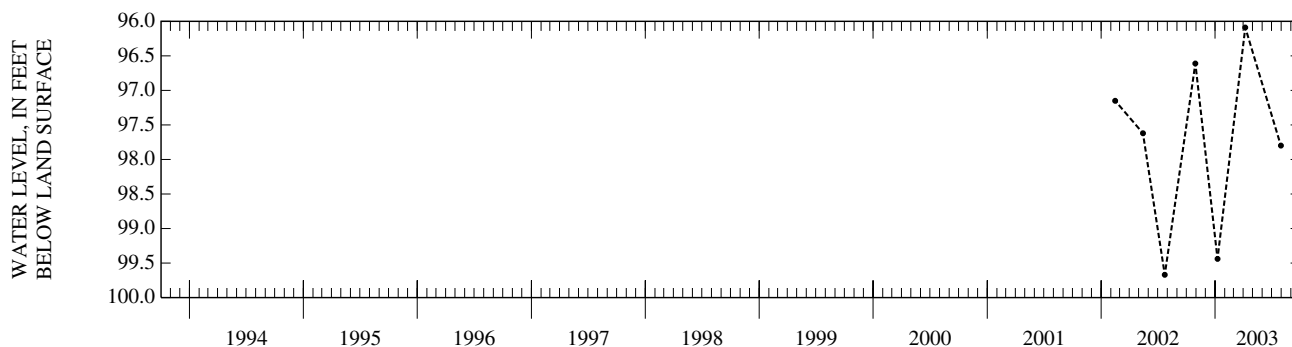
DATUM.--Elevation of land surface datum is 41.0 ft above NGVD of 1929. Measuring point: Access pipe on north side, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 70.4 ft below land-surface datum (reported), Oct. 16, 1991; lowest recorded, 99.67 ft below land-surface datum, July 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	96.61	JAN 08	99.44	APR 07	96.09	JUL 30	97.80
WATER YEAR 2003		HIGHEST	96.09	APR 07, 2003	LOWEST	99.44	JAN 08, 2003



EVANGELINE PARISH—Continued

LOCAL NUMBER.--Ev-474 Site ID 303257092321501.

LOCATION.--Hydrologic Unit 08080201.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 750 ft, screened 689-750 ft, casing diameter 12 in.

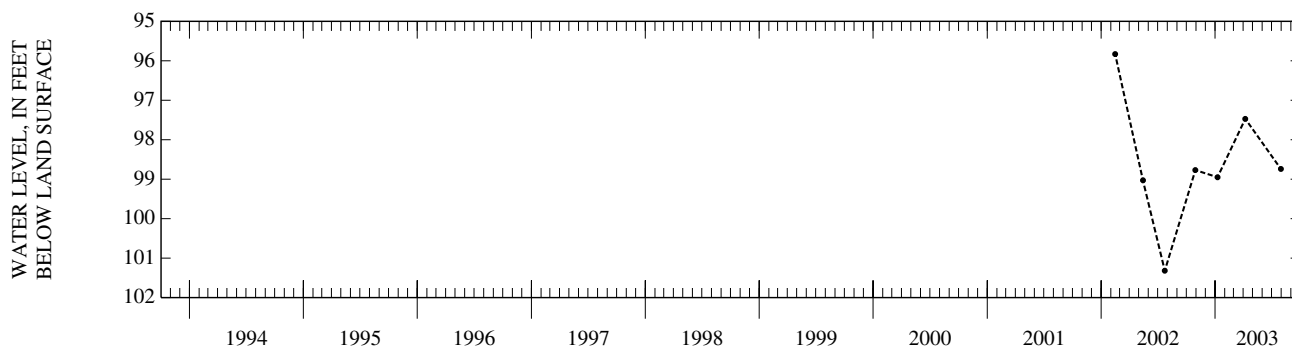
DATUM.--Elevation of land surface datum is 40.0 ft above NGVD of 1929. Measuring point: Bottom lip of access pipe on west side, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 73.20 ft below land-surface datum, Apr. 24, 1991; lowest recorded, 101.32 ft below land-surface datum, July 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	98.77	JAN 08	98.95	APR 07	97.47	JUL 30	98.74
WATER YEAR 2003		HIGHEST	97.47	APR 07, 2003	LOWEST	98.95	JAN 08, 2003



EVANGELINE PARISH—Continued

LOCAL NUMBER.--Ev-500, Site ID 305130092263601.

LOCATION.--Lat 30°51'30", long 92°26'36", Hydrologic Unit 08080201, Sec. 26, T.2S, R.1W.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 120 ft, screened 114-120 ft, casing diameter 4 in.

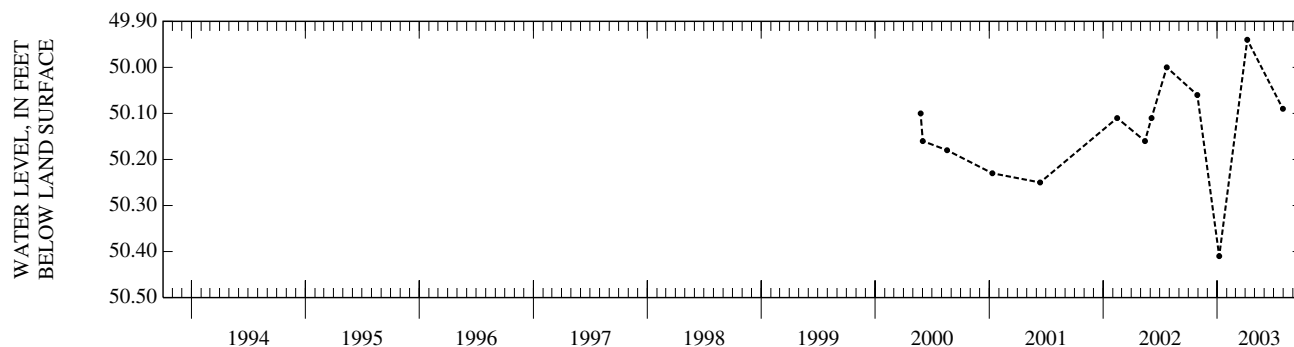
DATUM.--Elevation of land surface datum is 117.52 ft above NGVD of 1929. Measuring point: Lip of 4-in. casing, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--1953-72, 1974-79, 1981, 1983, 1985, 1991, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 41.18 ft below land-surface datum, Oct. 31, 1953; lowest recorded, 50.41 ft below land-surface datum, Jan. 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	50.06	JAN 07	50.41	APR 07	49.94	JUL 30	50.09
WATER YEAR 2003		HIGHEST	49.94	APR 07, 2003	LOWEST	50.41	JAN 07, 2003



FRANKLIN PARISH

LOCAL NUMBER.--Fr-358, Site ID 322210091290901.

LOCATION.--Lat 32°22'10", long 91°29'09", Hydrologic Unit 08050002, Sec. 18, T.16N, R.10E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 127 ft, screened 124-127 ft, casing diameter 1 1/4 in.

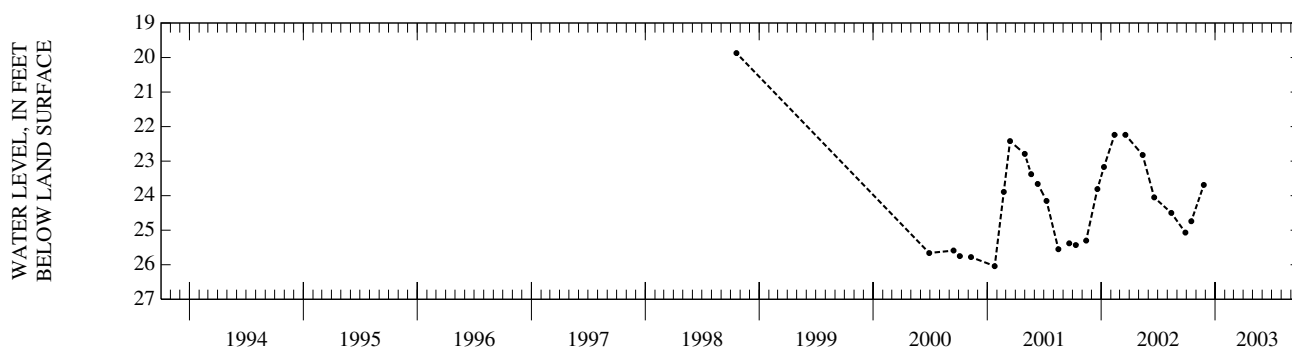
DATUM.--Elevation of land surface datum is 85 ft above NGVD of 1929. Measuring point: File marks in top of bell reducer, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--1975, 1998, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.70 ft below land-surface datum, July 25, 1975; lowest recorded, 26.04 ft below land-surface datum, Jan. 24, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	24.74	NOV 25	23.69
WATER YEAR 2003 HIGHEST 23.69 NOV 25, 2002 LOWEST 24.74 OCT 16, 2002			



LOCAL NUMBER.--Fr-721, Site ID 320958091425501.

LOCATION.--Lat 32°09'58", long 91°42'55", Hydrologic Unit 08050001, Sec. 25, T.14N, R. 7E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 77 ft, screened 72-77 ft, casing diameter 4 in.

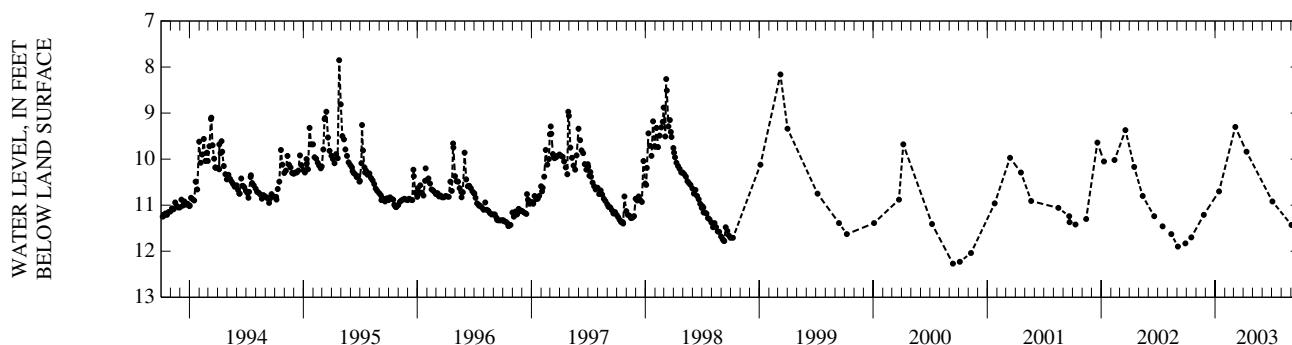
DATUM.--Elevation of land surface datum is 65 ft above NGVD of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.16 ft below land-surface datum, May 9, 1991; lowest recorded, 12.27 ft below land-surface datum, Sept. 12, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	11.70	JAN 13	10.70	APR 11	9.84	SEP 02	11.43
NOV 25	11.21	MAR 06	9.30	JUL 03	10.92		
WATER YEAR 2003 HIGHEST 9.30 MAR 06, 2003 LOWEST 11.70 OCT 16, 2002							



FRANKLIN PARISH—Continued

LOCAL NUMBER.--Fr-1012, Site ID 320229091330701.

LOCATION.--Lat 32°02'29", long 91°33'07", Hydrologic Unit 08050002, Sec. 9, T.12N, R. 9E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 60 ft, screened 50-60 ft, casing diameter 2 in.

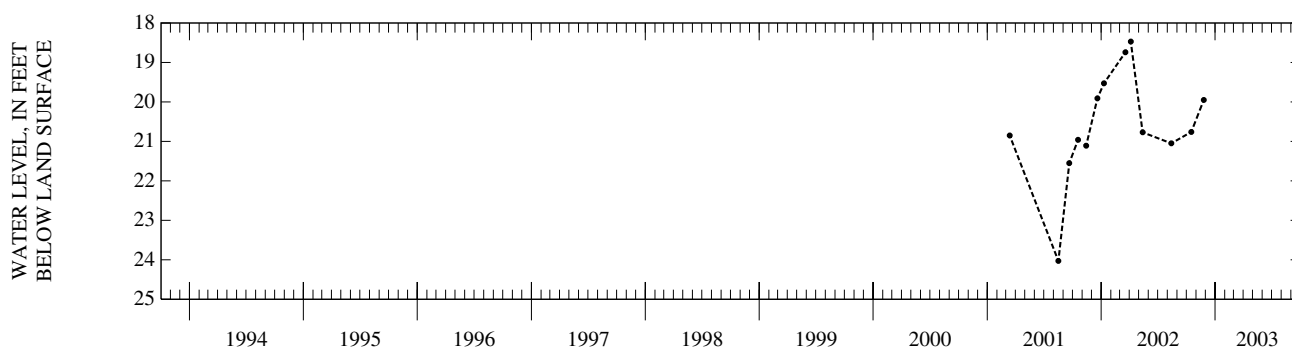
DATUM.--Elevation of land surface datum is 65 ft above NGVD of 1929. Measuring point: Hole in top of PVC collar on east side of well, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1992, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 18.47 ft below land-surface datum, Apr. 5, 2002; lowest recorded, 24.03 ft below land-surface datum, Aug. 16, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	20.76	NOV 25	19.95
WATER YEAR 2003 HIGHEST 19.95 NOV 25, 2002 LOWEST 20.76 OCT 16, 2002			



LOCAL NUMBER.--Fr-1092, Site ID 315716091493001.

LOCATION.--Lat 31°57'16", long 91°49'30", Hydrologic Unit 08050001, Sec. 11, T.11N, R. 6E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 80 ft, screened 60-80 ft, casing diameter 10 in.

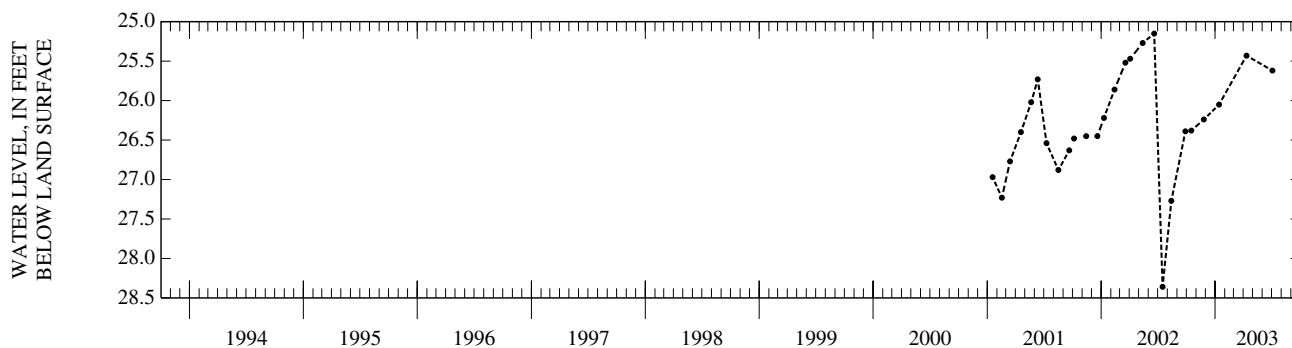
DATUM.--Elevation of land surface datum is 65 ft above NGVD of 1929. Measuring point: Hole in top of metal plate, where wires enter well, on northwest side of well, 0.10 ft above land-surface datum.

PERIOD OF RECORD.--1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 25.00 ft below land-surface datum (reported), June 12, 1992; lowest recorded, 28.36 ft below land-surface datum, July 16, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	26.38	NOV 25	26.24	JAN 13	26.05	APR 11	25.43	JUL 03	25.62
WATER YEAR 2003 HIGHEST 25.43 APR 11, 2003 LOWEST 26.38 OCT 16, 2002									



GRANT PARISH

LOCAL NUMBER.--G-127B, Site ID 312703092224801.

LOCATION.--Lat 31°27'03", long 92°22'48", Hydrologic Unit 08040304, Sec. 32, T. 6N, R. 1E.

AQUIFER.--Williana-Bentley aquifer of Pleistocene age (112WLBN).

WELL CHARACTERISTICS.--Depth 97 ft, screened 93-97 ft, casing diameter 1 $\frac{1}{4}$ in.

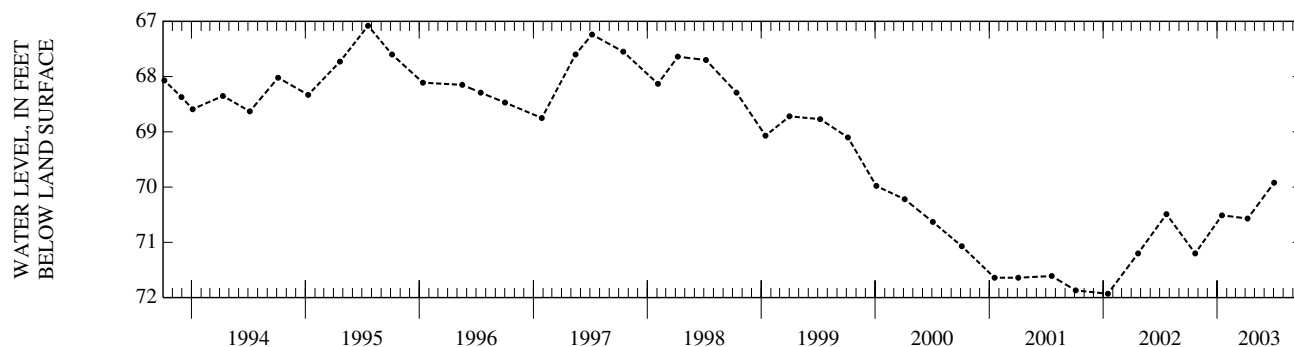
DATUM.--Elevation of land surface datum is 231.36 ft above NGVD of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 66.31 ft below land-surface datum, July 23, 1980; lowest recorded, 72.43 ft below land-surface datum, Jan. 25, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	71.20	JAN 16	70.51	APR 08	70.57	JUL 02	69.92
WATER YEAR 2003 HIGHEST 69.92		JUL 02, 2003		LOWEST 71.20		OCT 22, 2002	



GRANT PARISH—Continued

LOCAL NUMBER.--G-410, Site ID 313100092300403.

LOCATION.--Hydrologic Unit 11140207.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 160 ft, screened 148-160 ft, casing diameter 10 3/4 to 6 5/8 in.

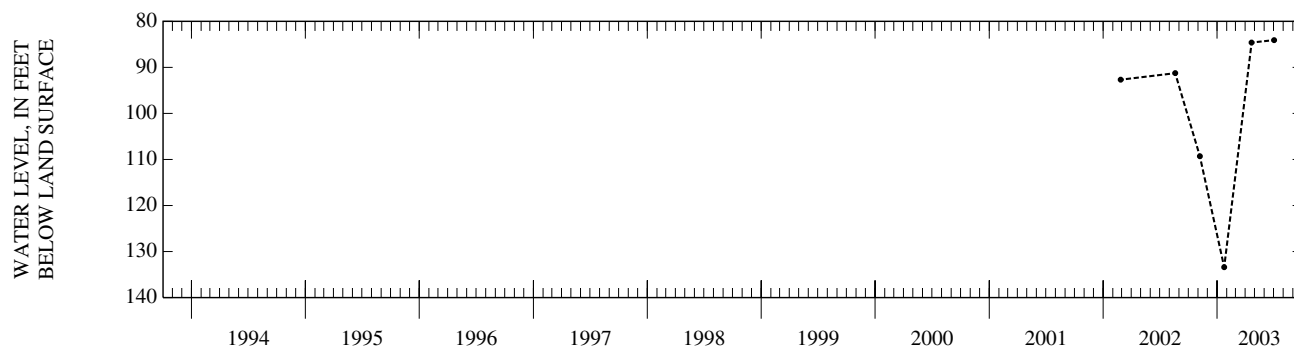
DATUM.--Elevation of land surface datum is 200 ft above NGVD of 1929. Measuring point: Top edge of vent pipe, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1981, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 62.00 ft below land-surface datum, June 30, 1981; lowest recorded, 133.39 ft below land-surface datum, Jan. 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06	109.30	JAN 23	133.39	APR 21	84.61	JUL 02	84.08
WATER YEAR 2003		HIGHEST	84.08	JUL 02, 2003	LOWEST	84.61	APR 21, 2003



GRANT PARISH—Continued

LOCAL NUMBER.--G-448, Site ID 313234092435601.

LOCATION.--Lat 31°32'34", long 92°43'56", Hydrologic Unit 11140207, Sec. 36, T. 7N, R. 4W.

AQUIFER.--Red River alluvial aquifer of Pleistocene age (112RRVA).

WELL CHARACTERISTICS.--Depth 74 ft, screened 71-74 ft, casing diameter 1 $\frac{1}{4}$ in.

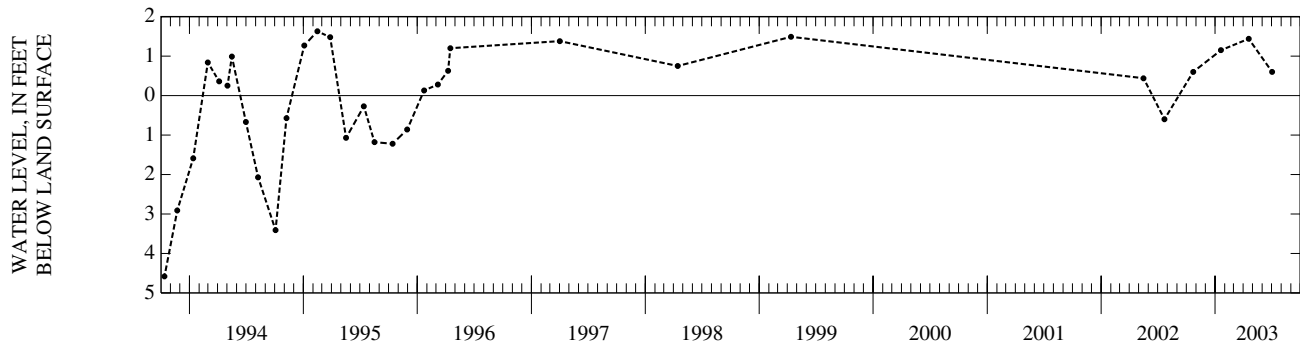
DATUM.--Elevation of land surface datum is 90 ft above NGVD of 1929. Measuring point: Top of bushing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1988-99, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.63 ft above land-surface datum, Feb. 14, 1995; lowest recorded, 19.87 ft below land-surface datum, Oct. 25, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	+0.60	JAN 19	+1.15	APR 18	+1.44	JUL 02	+0.60
WATER YEAR 2003 HIGHEST +1.44 APR 18, 2003 LOWEST +0.60 OCT 22, 2002 JUL 02, 2003							



GRANT PARISH—Continued

LOCAL NUMBER.--G-461, Site ID 312842092275403.

LOCATION.--Hydrologic Unit 08040304.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 190 ft, screened 135-190 ft, casing diameter 12 to 8 in.

DATUM.--Elevation of land surface datum is 200 ft above NGVD of 1929. Measuring point: Bottom of lip of 2-in. coupling on east side, 1.5 ft above land-surface datum.

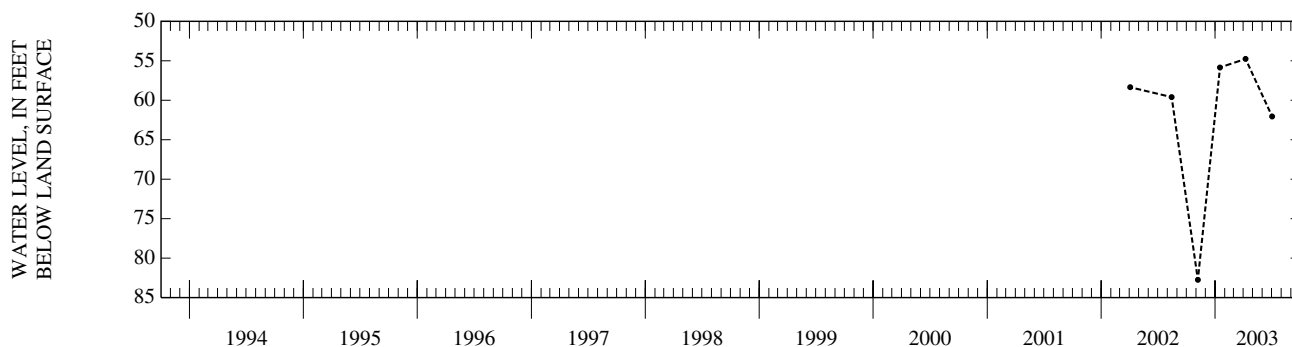
REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.0 ft above land-surface datum (reported), Aug. 13, 1991; lowest recorded, 82.74 ft below land-surface datum, Nov. 6, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06	82.74	JAN 16	55.84	APR 08	54.76	JUL 02	62.05
WATER YEAR 2003 HIGHEST 54.76 APR 08, 2003 LOWEST 82.74 NOV 06, 2002							



IBERIA PARISH

LOCAL NUMBER.--I-93, Site ID 300035091443301.

LOCATION.--Lat 30°00'35", long 91°44'33", Hydrologic Unit 08080102, Sec. 5, T. 12S, R. 7E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 585 ft, screened 580-585 ft, casing diameter 2 in.

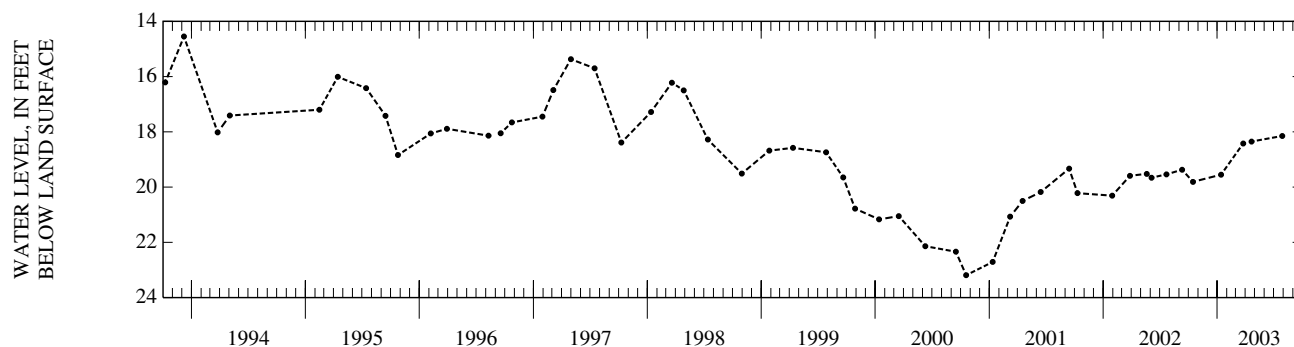
DATUM.--Elevation of land surface datum is 18.53 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1965-83, 1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.55 ft below land-surface datum, Dec. 7, 1993; lowest recorded, 23.19 ft below land-surface datum, Oct. 18, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	19.81	JAN 13	19.55	MAR 25	18.42	APR 21	18.35	JUL 28	18.15
WATER YEAR 2003 HIGHEST 18.15 JUL 28, 2003 LOWEST 19.81 OCT 15, 2002									



IBERVILLE PARISH

LOCAL NUMBER.--Ib-106, Site ID 301227091101301.

LOCATION.--Lat 30°12'27", long 91°10'13", Hydrologic Unit 08070300, Sec. 37, T.10S, R.13E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 608 ft, screened 588-608 ft, casing diameter 3 in.

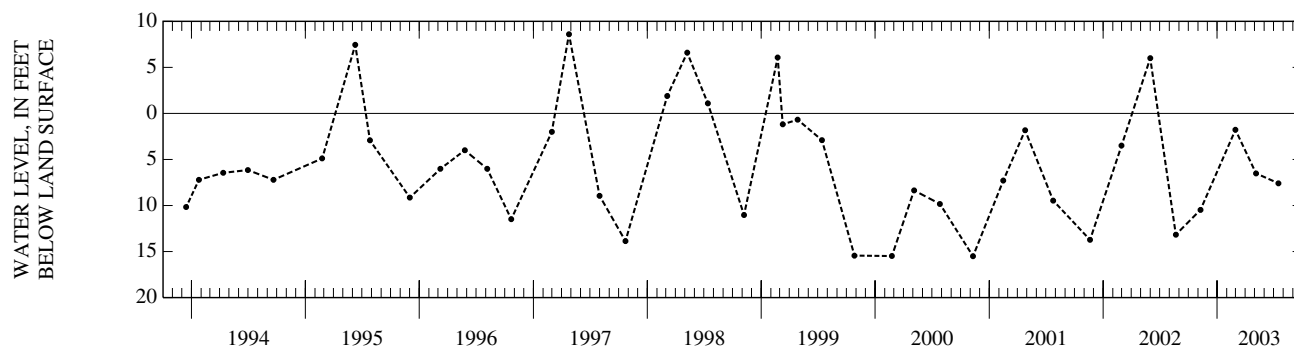
DATUM.--Elevation of land surface datum is 18.94 ft above NGVD of 1929. Measuring point: Top edge of 1/2-in. valve, at land-surface datum.

PERIOD OF RECORD.--1956-60, 1964, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 8.6 ft above land-surface datum, Apr. 24, 1997; lowest recorded, 15.51 ft below land-surface datum, Nov. 9, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	10.47	FEB 28	1.78	MAY 05	6.51	JUL 16	7.59
WATER YEAR 2003 HIGHEST		1.78	FEB 28, 2003	LOWEST		10.47	NOV 08, 2002



JACKSON PARISH

LOCAL NUMBER.--Ja-49, Site ID 321709092452401.

LOCATION.--Lat 32°17'09", long 92°45'24", Hydrologic Unit 08040303, Sec. 15, T.15N, R. 4W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 570 ft, screened 542-570 ft, casing diameter 12 to 8 in.

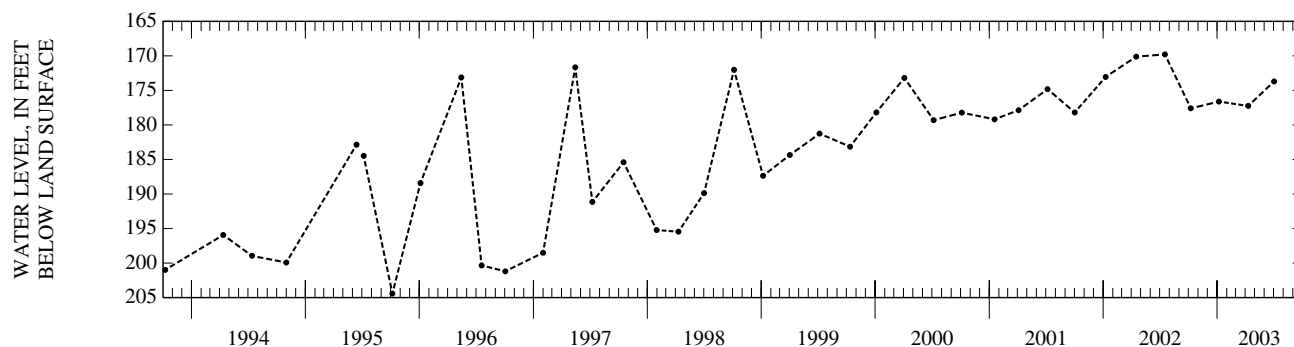
DATUM.--Elevation of land surface datum is 160.0 ft above NGVD of 1929. Measuring point: File mark on north side of top of casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 114.16 ft below land-surface datum, Jan. 2, 1961; lowest recorded, 204.42 ft below land-surface datum, Oct. 6, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	177.60	JAN 06	176.62	APR 10	177.25	JUL 02	173.69
WATER YEAR 2003 HIGHEST 173.69 JUL 02, 2003				LOWEST 177.60 OCT 08, 2002			



JACKSON PARISH—Continued

LOCAL NUMBER.--Ja-147, Site ID 322357092341701.

LOCATION.--Lat 32°23'57", long 92°34'17", Hydrologic Unit 08040302, Sec. 4, T.16N, R. 2W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 703 ft, screened 693-703 ft, casing diameter 2 in.

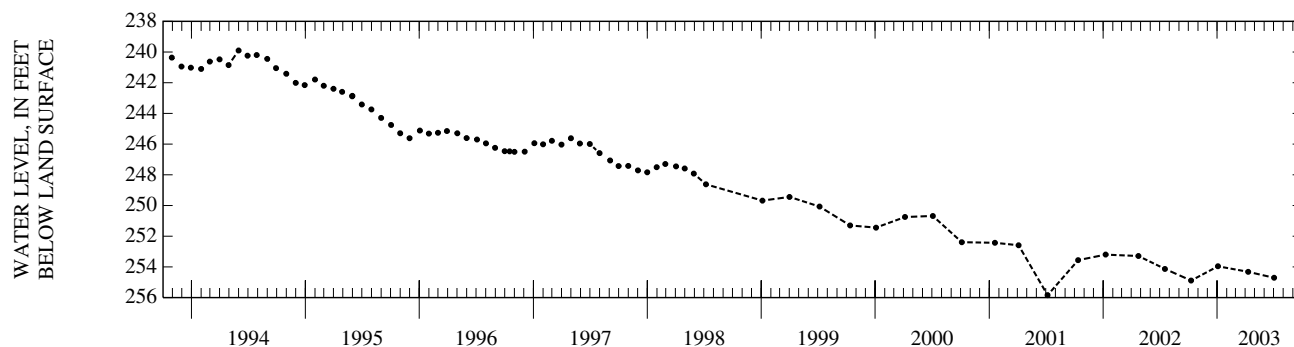
DATUM.--Elevation of land surface datum is 220 ft above NGVD of 1929. Measuring point: File mark on top of bushing, 3.18 ft above land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 209.06 ft below land-surface datum, May 14, 1975; lowest recorded, 255.84 ft below land-surface datum, July 6, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	254.89	JAN 03	253.96	APR 10	254.32	JUL 02	254.71
WATER YEAR 2003		HIGHEST	253.96 JAN 03, 2003	LOWEST	254.89	OCT 09, 2002	



JACKSON PARISH—Continued

LOCAL NUMBER.--Ja-148, Site ID 321338092345801.

LOCATION.--Lat 32°13'38", long 92°34'58", Hydrologic Unit 08040303, Sec. 4, T.14N, R. 2W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 578 ft, screened 568-578 ft, casing diameter 2 in.

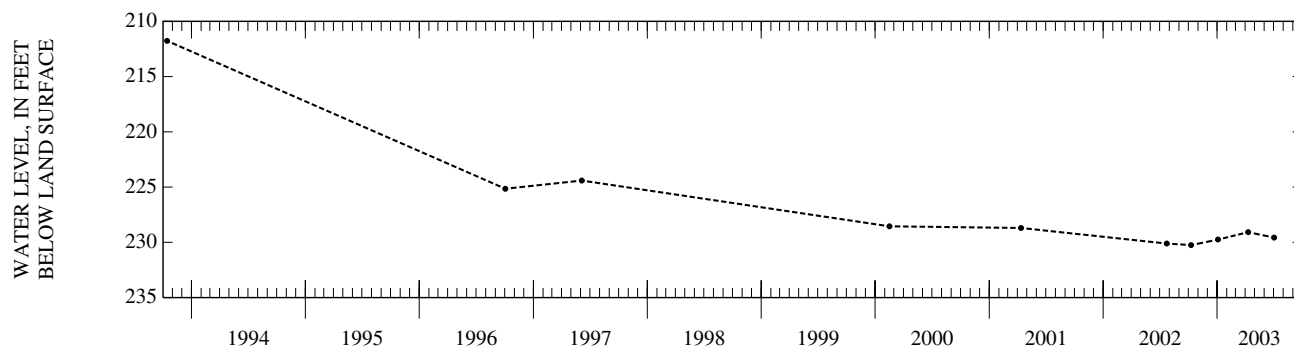
DATUM.--Elevation of land surface datum is 245 ft above NGVD of 1929. Measuring point: Two file marks on east side of top of bell reducer, 3.3 ft above land-surface datum.

PERIOD OF RECORD.--1975-87, 1989-90, 1993, 1996-97, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 206.58 ft below land-surface datum, Apr. 7, 1976; lowest recorded, 230.25 ft below land-surface datum, Oct. 9, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	230.25	JAN 03	229.75	APR 10	229.08	JUL 02	229.57
WATER YEAR 2003		HIGHEST	229.08	APR 10, 2003	LOWEST	230.25	OCT 09, 2002



LOCAL NUMBER.--Ja-149, Site ID 322433092412101.

LOCATION.--Lat 32°24'33", long 92°41'21", Hydrologic Unit 08040303, Sec. 4, T.16N, R. 3W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 478 ft, screened 468-478 ft, casing diameter 2 in.

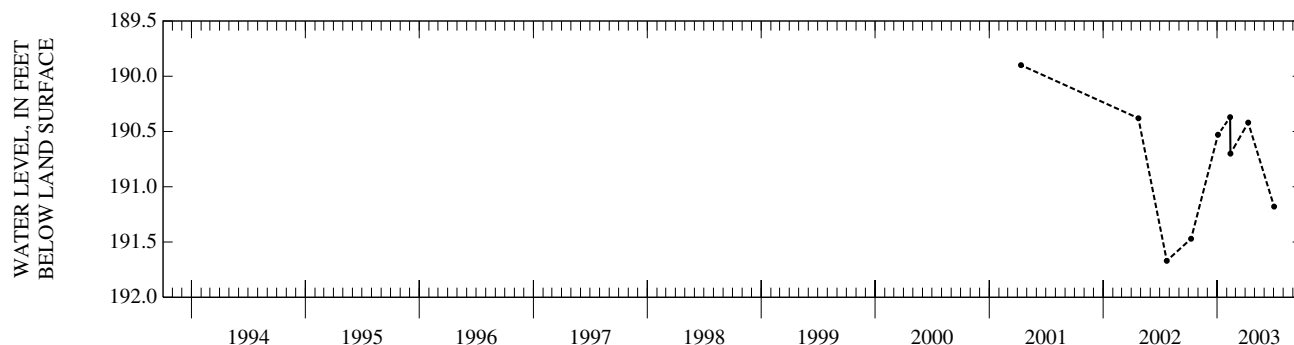
DATUM.--Elevation of land surface datum is 195 ft above NGVD of 1929. Measuring point: Top of casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--1975-87, 1989-90, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 154.78 ft below land-surface datum, May 13, 1975; lowest recorded, 191.67 ft below land-surface datum, July 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	191.47	JAN 03	190.53	FEB 11	190.37	FEB 12	190.70	APR 10	190.42	JUL 02	191.18
WATER YEAR 2003		HIGHEST	190.37	FEB 11, 2003	LOWEST	191.47	OCT 09, 2002				



JEFFERSON PARISH

LOCAL NUMBER.--Jf-156, Site ID 295739090094601.

LOCATION.--Lat 29°57'39", long 90°09'46", Hydrologic Unit 08090203, Sec. 46, T.12S, R.10E.

AQUIFER.--Gonzales-New Orleans aquifer of Pleistocene age (112GZNO).

WELL CHARACTERISTICS.--Depth 780 ft, screened 660-780 ft, casing diameter 6 to 4 in.

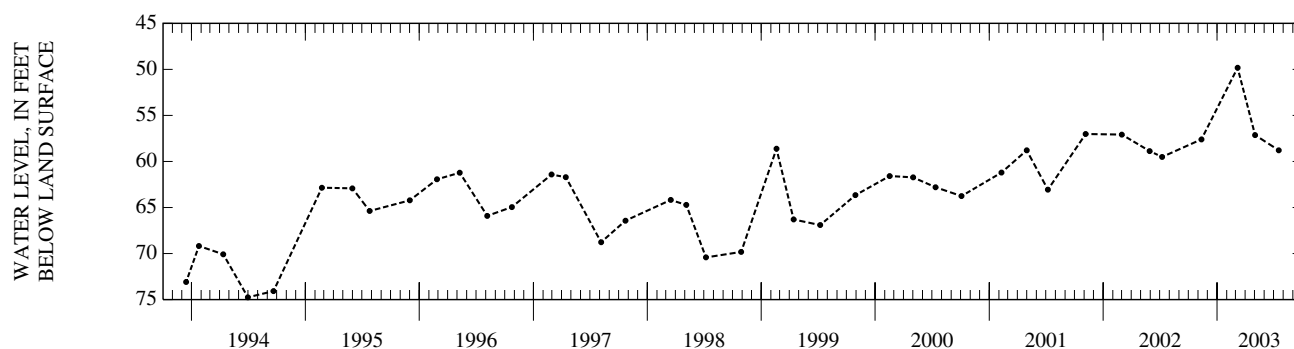
DATUM.--Elevation of land surface datum is 9 ft above NGVD of 1929. Measuring point: Top of 4-in. plastic lining, 2.05 ft above land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 49.82 ft below land-surface datum, Mar. 7, 2003; lowest recorded, 94.34 ft below land-surface datum, Nov. 11, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 11	57.60	MAR 07	49.82	MAY 02	57.13	JUL 17	58.79
WATER YEAR 2003		HIGHEST	49.82	MAR 07, 2003	LOWEST	58.79	JUL 17, 2003



JEFFERSON PARISH—Continued

LOCAL NUMBER.--Jf-178, Site ID 300222090144601.

LOCATION.--Lat 30°02'22", long 90°14'46", Hydrologic Unit 08090203, Sec. 37, T.12S, R. 9E.

AQUIFER.--Gonzales-New Orleans aquifer of Pleistocene age (112GZNO).

WELL CHARACTERISTICS.--Depth 700 ft, screened 660-700 ft, casing diameter 12 to 6 to 4 in.

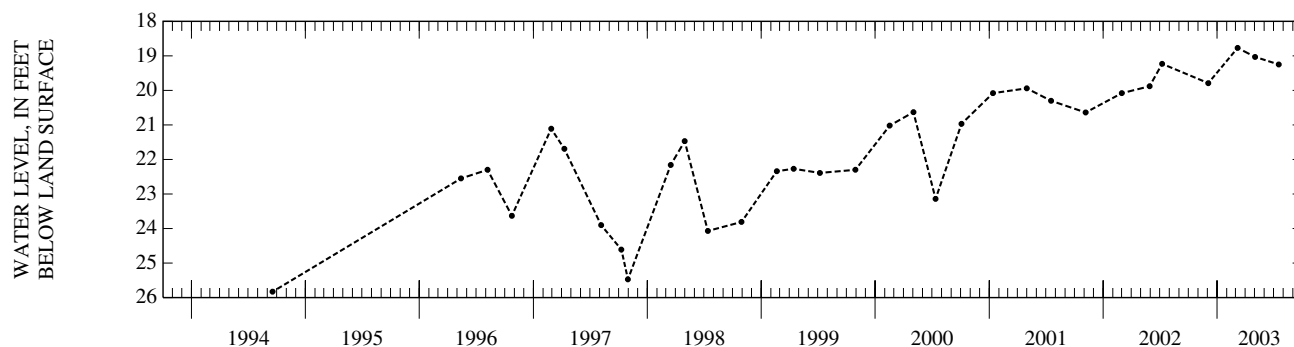
DATUM.--Elevation of land surface datum is at NGVD of 1929. Measuring point: Top of 1/2-in. pvc pipe in sanitary seal, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1984, 1987, 1993, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 18.77 ft below land-surface datum, Mar. 7, 2003; lowest recorded, 35.00 ft below land-surface datum (reported), May 31, 1984.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 03	19.79	MAR 07	18.77	MAY 02	19.03	JUL 17	19.25
WATER YEAR 2003 HIGHEST		18.77	MAR 07, 2003	LOWEST		19.79	DEC 03, 2002



JEFFERSON PARISH—Continued

LOCAL NUMBER.--Jf-186, Site ID 300223090144601.

LOCATION.--Lat 30°02'23", long 90°14'46", Hydrologic Unit 08090203, Sec. 37, T.12S, R. 9E.

AQUIFER.--Norco aquifer of Pleistocene age (112NORC).

WELL CHARACTERISTICS.--Depth 325 ft, screened 315-325 ft, casing diameter 4 to 2 in.

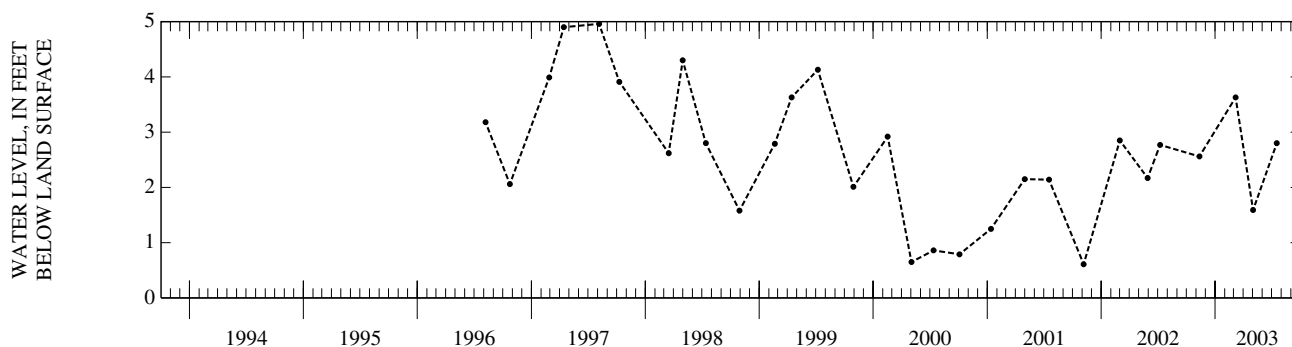
DATUM.--Elevation of land surface datum is 5 ft below NGVD of 1929. Measuring point: Top of 2-in. casing, 6.1 ft above land-surface datum.

PERIOD OF RECORD.--1987, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.96 ft above land-surface datum, Aug. 5, 1997; lowest recorded, 1.44 ft below land-surface datum, Jan. 20, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 11	+2.56	MAR 07	+3.63	MAY 02	+1.59	JUL 17	+2.80
WATER YEAR 2003		HIGHEST	+3.63	MAR 07, 2003	LOWEST	+1.59	MAY 02, 2003



JEFFERSON DAVIS PARISH

LOCAL NUMBER.--JD-9, Site ID 301355092463001.

LOCATION.--Lat 30°13'55", long 92°46'30", Hydrologic Unit 08080202, Sec. 34, T. 9S, R. 4W.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 318 ft, screened 238-318 ft, casing diameter 12 in.

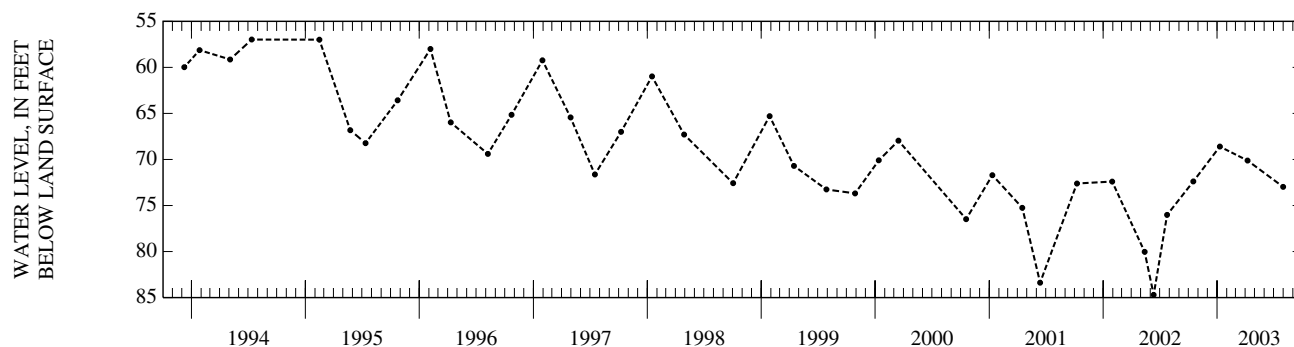
DATUM.--Elevation of land surface datum is 24.10 ft above NGVD of 1929. Measuring point: Lower edge of discharge pipe, 4.55 ft above land-surface datum.

PERIOD OF RECORD.--1938 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.52 ft below land-surface datum, Mar. 29, 1943; lowest recorded, 95.00 ft below land-surface datum, July 21, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	72.39	JAN 09	68.60	APR 08	70.12	JUL 31	72.98
WATER YEAR 2003		HIGHEST	68.60	JAN 09, 2003	LOWEST	72.98	JUL 31, 2003



JEFFERSON DAVIS PARISH—Continued

LOCAL NUMBER.--JD-406, Site ID 30285209241500.

LOCATION.--Hydrologic Unit 08080201.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 450 ft, screened 410-450 ft, casing diameter 8 in.

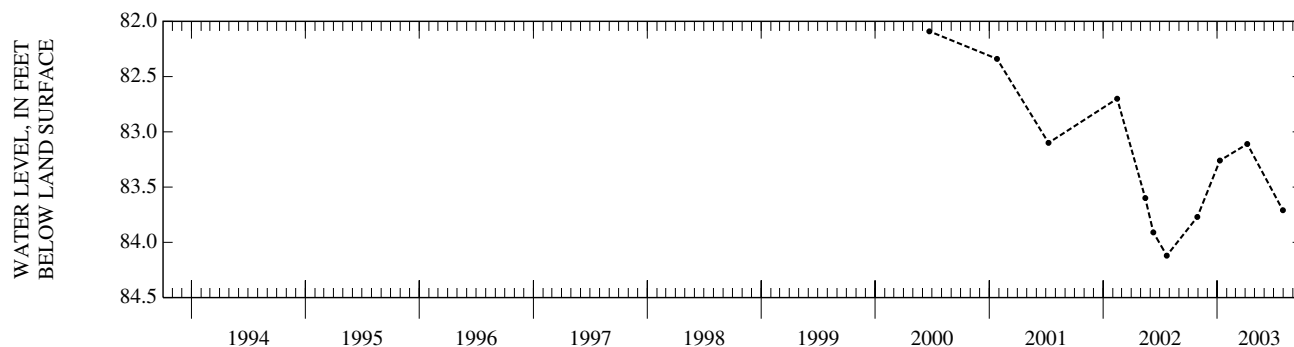
DATUM.--Elevation of land surface datum is 50 ft above NGVD of 1929. Measuring point: Lower edge of 4-in. discharge line on north side of well, 3.1 ft above land-surface datum.

PERIOD OF RECORD.--1950, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 55.00 ft below land-surface datum (reported), Feb. 24, 1950; lowest recorded, 84.12 ft below land-surface datum, July 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	83.77	JAN 09	83.26	APR 07	83.11	JUL 30	83.71
WATER YEAR 2003		HIGHEST	83.11	APR 07, 2003	LOWEST	83.77	OCT 29, 2002



JEFFERSON DAVIS PARISH—Continued

LOCAL NUMBER.--JD-485A, Site ID 301300092584503.

LOCATION.--Lat 30°13'00", long 92°58'45", Hydrologic Unit 08080203, Sec. 4, T.10S, R. 6W.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 290 ft, screened 270-290 ft, casing diameter 4 to 2 in.

DATUM.--Elevation of land surface datum is 21.36 ft above NGVD of 1929. Measuring point: South side of round cutaway over well, 3.0 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval. Satellite telemetry at site.

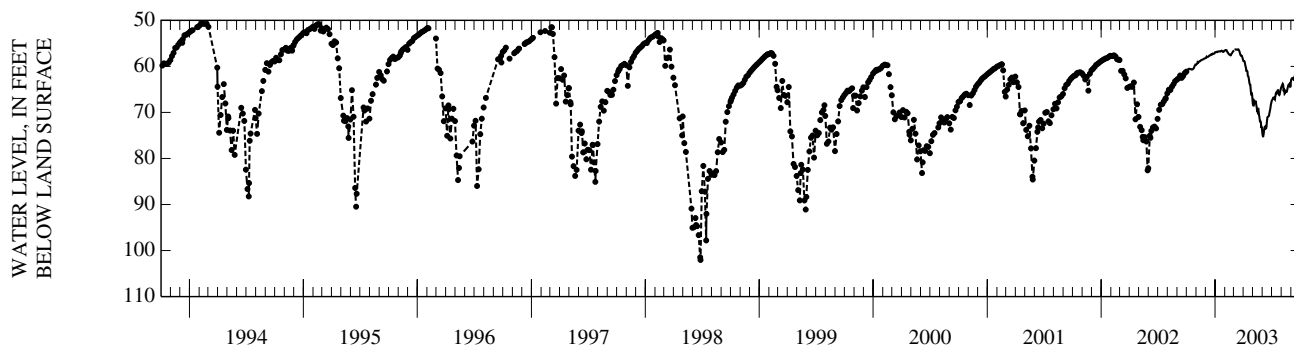
PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 46.91 ft below land-surface datum, Apr. 7, 1992; lowest recorded, 107.41 ft below land-surface datum, July 19, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 75.77 ft, May 28; minimum water-level depth below land surface, 56.28 ft, Mar. 15.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61.11	59.63	58.20	56.93	56.54	56.60	58.83	68.06	74.70	67.44	64.42	62.94
2	61.03	59.56	58.17	56.92	56.50	56.54	58.84	68.40	75.03	67.32	64.25	62.73
3	60.80	59.46	58.01	56.91	56.45	---	58.85	68.50	75.38	67.21	64.09	62.63
4	60.73	59.36	57.89	56.88	56.46	56.40	58.91	68.51	75.05	67.08	63.93	62.56
5	60.71	59.12	57.96	56.85	56.49	56.35	58.99	67.99	74.61	66.86	63.78	62.54
6	60.66	59.19	58.00	56.89	56.49	56.37	59.38	67.53	73.99	66.78	63.90	62.55
7	60.62	59.20	57.98	56.91	56.68	56.35	59.76	67.66	73.49	66.79	64.32	62.56
8	60.61	59.13	57.95	56.86	56.83	56.31	60.05	67.82	73.19	66.82	65.41	62.88
9	60.51	59.04	57.90	56.79	56.90	56.32	60.24	67.75	73.12	66.78	64.85	62.92
10	60.53	58.96	57.83	56.78	56.98	56.36	60.75	67.47	73.46	67.09	65.45	62.59
11	60.59	58.90	57.80	56.78	57.10	56.36	61.13	67.74	73.53	67.17	65.95	62.37
12	60.59	58.90	57.71	56.76	57.24	56.38	60.95	68.32	73.52	66.61	65.85	62.17
13	60.58	58.88	57.64	56.73	57.32	56.36	60.97	68.62	73.43	66.30	65.66	62.05
14	60.58	58.80	57.64	56.72	57.38	56.32	61.19	69.13	73.12	65.92	65.37	61.97
15	60.59	58.70	57.60	56.73	57.41	56.30	62.01	69.67	72.23	65.68	65.45	61.86
16	60.66	58.68	57.55	56.73	57.51	56.32	62.13	69.84	71.55	65.65	65.55	61.74
17	60.69	58.66	57.49	56.77	57.55	56.42	62.21	69.49	71.07	65.73	65.55	61.62
18	60.69	58.62	57.43	56.75	57.57	56.55	62.57	69.22	70.97	65.51	65.52	61.55
19	60.67	58.58	57.38	56.72	57.61	56.72	62.97	69.22	70.94	65.32	65.21	61.44
20	60.63	58.56	57.39	56.66	57.57	56.92	63.52	69.96	70.87	65.18	64.93	61.39
21	60.61	58.55	57.44	56.60	57.33	57.18	63.83	70.56	70.82	65.18	64.60	61.27
22	60.55	58.51	57.40	56.60	57.26	57.40	63.95	70.90	70.68	65.54	64.32	61.10
23	60.47	58.47	57.31	56.68	57.18	57.59	63.97	71.38	70.26	65.90	64.07	61.02
24	60.38	58.41	57.22	56.77	57.09	57.70	64.74	71.94	69.93	66.15	64.00	60.91
25	60.19	58.36	57.24	56.83	56.96	57.72	65.52	71.95	69.60	66.23	63.97	60.86
26	60.08	58.34	57.24	56.86	56.82	57.68	66.07	71.95	69.27	66.14	63.88	60.86
27	59.84	58.31	57.25	56.85	56.73	57.72	66.05	72.11	68.81	65.78	64.30	60.89
28	59.77	58.29	57.24	56.77	56.68	57.93	65.97	73.30	68.33	65.40	63.72	60.91
29	59.63	58.24	57.19	56.67	---	58.15	66.23	73.16	68.02	65.11	64.42	60.97
30	59.67	58.20	57.10	56.61	---	58.39	67.19	73.38	67.71	64.84	64.38	61.04
31	59.66	---	56.95	56.57	---	58.64	---	73.94	---	64.59	63.38	---
MAX	61.11	59.63	58.20	56.93	57.61	---	67.19	73.94	75.38	67.44	65.95	62.94
MIN	59.63	58.20	56.95	56.57	56.45	---	58.83	67.47	67.71	64.59	63.38	60.86



JEFFERSON DAVIS PARISH—Continued

LOCAL NUMBER.--JD-773, Site ID 301356092462701.

LOCATION.--Lat 30°13'56", long 92°46'27", Hydrologic Unit 08080202, Sec. 34, T. 9S, R. 4W.

AQUIFER.--Chicot aquifer, lower sand unit, of Pleistocene age (112CHCTL).

WELL CHARACTERISTICS.--Depth 666 ft, screened 656-666 ft, casing diameter 4 to 2 in.

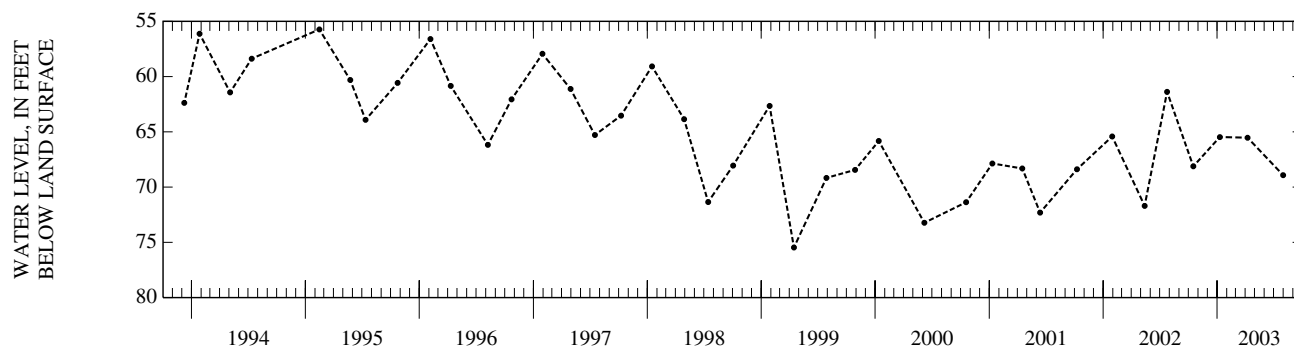
DATUM.--Elevation of land surface datum is 22 ft above NGVD of 1929. Measuring point: Top of 4-in. casing, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 54.42 ft below land-surface datum, Apr. 4, 1990; lowest recorded, 75.47 ft below land-surface datum, Apr. 15, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	68.12	JAN 09	65.47	APR 08	65.53	JUL 31	68.92
WATER YEAR 2003		HIGHEST	65.47	JAN 09, 2003	LOWEST	68.92	JUL 31, 2003



LAFAYETTE PARISH

LOCAL NUMBER.--Lf-662, Site ID 301426092000601.

LOCATION.--Lat 30°14'26", long 92°00'06", Hydrologic Unit 08080103, Sec.100, T. 9S, R. 5E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 152 ft, screened 146-152 ft, casing diameter 2 in.

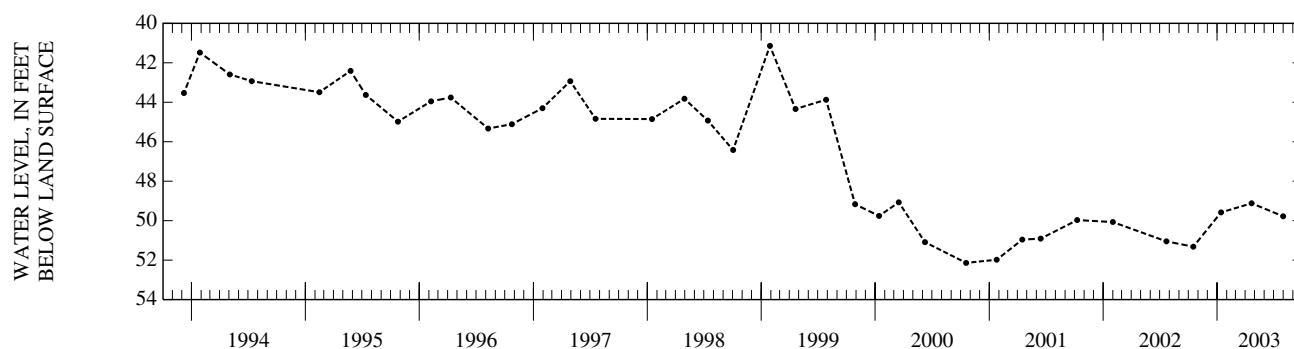
DATUM.--Elevation of land surface datum is 40.37 ft above NGVD of 1929. Measuring point: Top of 1-in. collar, 0.2 ft above land-surface datum.

PERIOD OF RECORD.--1981-85, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 41.14 ft below land-surface datum, Jan. 28, 1999; lowest recorded, 52.14 ft below land-surface datum, Oct. 18, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	51.32	JAN 13	49.58	APR 21	49.12	JUL 31	49.78
WATER YEAR 2003 HIGHEST		49.12	APR 21, 2003	LOWEST		51.32	OCT 16, 2002



LA SALLE PARISH

LOCAL NUMBER.--La-124, Site ID 313438092093303.

LOCATION.--Hydrologic Unit 08040304.

AQUIFER.--Catahoula aquifer of Miocene age (122CTHL).

WELL CHARACTERISTICS.--Depth 365 ft, screened 315-365 ft, casing diameter 8 to 4 in.

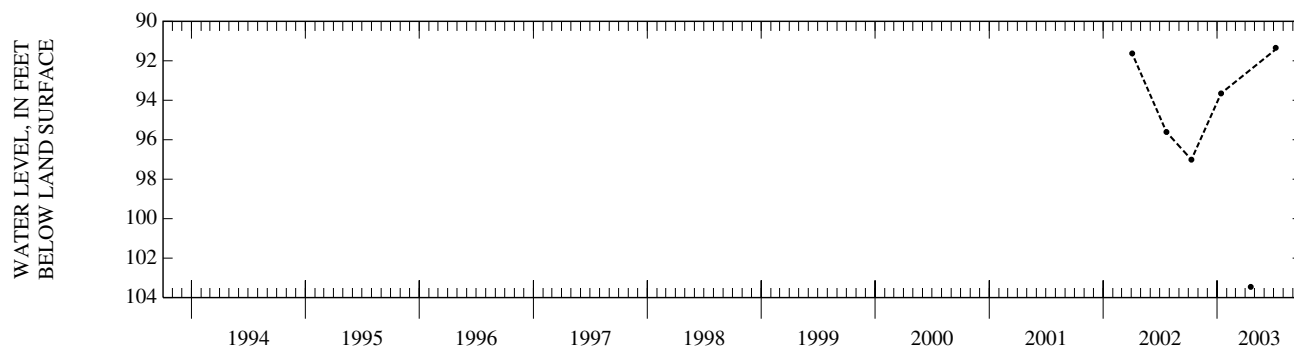
DATUM.--Elevation of land surface datum is 161 ft above NGVD of 1929. Measuring point: Edge of 1/2-in. plug hole in plate on top of casing, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--1971, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 63.51 ft below land-surface datum, Aug. 3, 1971; lowest recorded 97.01 ft below land-surface datum, Oct. 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	97.01	JAN 13	93.65	JUL 07	91.34
WATER YEAR 2003 HIGHEST 97.01 OCT 10, 2002 LOWEST 97.01 OCT 10, 2002					



LA SALLE PARISH—Continued

LOCAL NUMBER.--La-172, Site ID 314405092092001.

LOCATION.--Lat 31°44'05", long 92°09'20", Hydrologic Unit 08040304, Sec. 27, T. 9N, R. 3E.

AQUIFER.--Catahoula aquifer of Miocene age (122CTHL).

WELL CHARACTERISTICS.--Depth 97 ft, screened 94-97 ft, casing diameter 1 $\frac{1}{4}$ in.

DATUM.--Elevation of land surface datum is 180 ft above NGVD of 1929. Measuring point: Two file marks in top of bell reducer, 4.15 ft above land-surface datum.

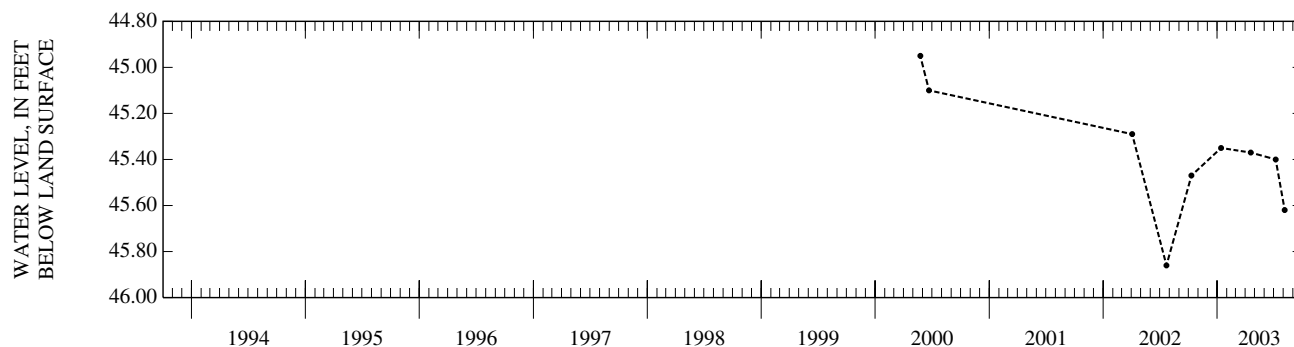
PERIOD OF RECORD.-- 1971, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.95 ft below land-surface datum, May 24, 2000; lowest recorded, 45.98 ft below land-surface datum, Feb. 5, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	45.47	JAN 13	45.35	APR 18	45.37	JUL 07	45.40	AUG 05	45.62

WATER YEAR 2003 HIGHEST 45.35 JAN 13, 2003 LOWEST 45.62 AUG 05, 2003



LA SALLE PARISH—Continued

LOCAL NUMBER.--La-254A, Site ID 315444092122801.

LOCATION.--Hydrologic Unit 08040302.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 510 ft, screened 450-510 ft, casing diameter 10 to 6 in.

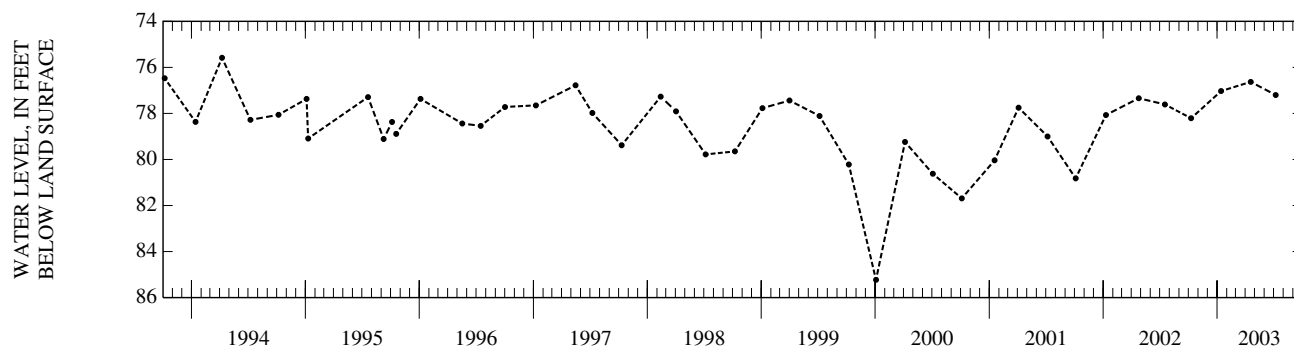
DATUM.--Elevation of land surface datum is 160 ft above NGVD of 1929. Measuring point: Top of 2-in. access pipe, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 74.00 ft below land-surface datum, Apr. 12, 1993; lowest recorded, 85.23 ft below land-surface datum, Jan. 3, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	78.21	JAN 13	77.03	APR 18	76.63	JUL 07	77.20
WATER YEAR 2003		HIGHEST	76.63	APR 18, 2003	LOWEST	78.21	OCT 09, 2002



LINCOLN PARISH

LOCAL NUMBER.--L-26, Site ID 324141092390501.

LOCATION.--Hydrologic Unit 08040206.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 686 ft, screened 633-686 ft, casing diameter 10 to 6 in.

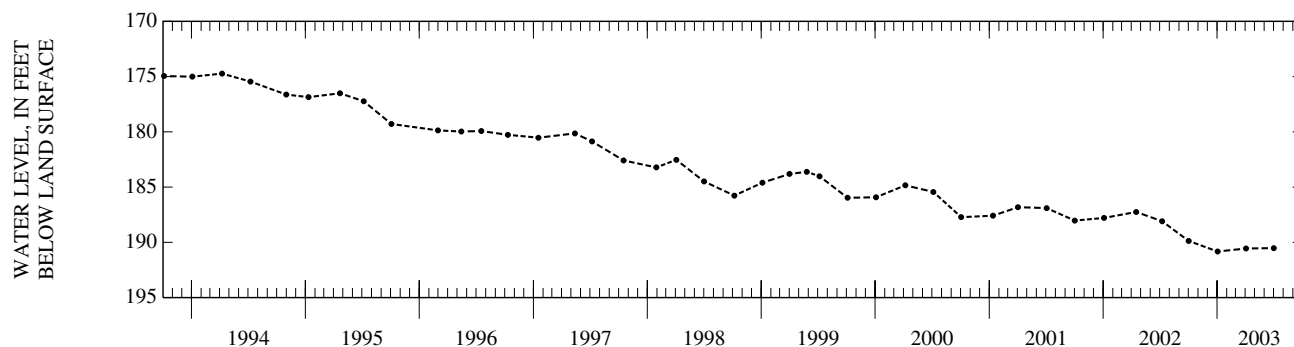
DATUM.--Elevation of land surface datum is 155 ft above NGVD of 1929. Measuring point: Top of 3/4-in. hole in plate, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1950, 1962, 1967-87, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 95.20 ft below land-surface datum (reported), Apr. 22, 1950; lowest recorded, 190.83 ft below land-surface datum, Jan. 2, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	189.87	JAN 02	190.83	APR 03	190.56	JUL 01	190.52
WATER YEAR 2003		HIGHEST	189.87	OCT 01, 2002	LOWEST	190.83	JAN 02, 2003



LINCOLN PARISH—Continued

LOCAL NUMBER.--L-68, Site ID 323458092275101.

LOCATION.--Lat 32°34'58", long 92°27'51", Hydrologic Unit 08040206, Sec. 3, T.18N, R. 1W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 770 ft, screened 760-770 ft, casing diameter 2 in.

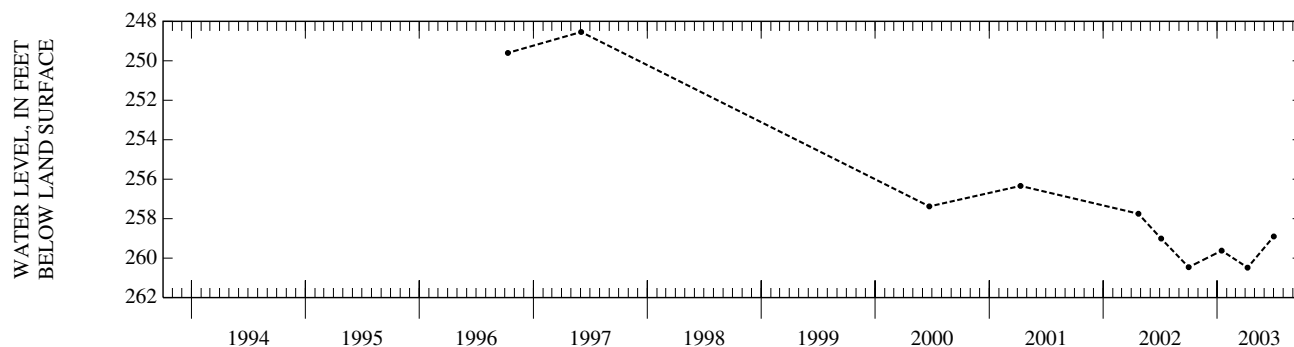
DATUM.--Elevation of land surface datum is 180 ft above NGVD of 1929. Measuring point: Top of bushing, 5.06 ft above land-surface datum.

PERIOD OF RECORD.--1968-71, 1973-87, 1989, 1991, 1993, 1996-97, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 185.04 ft below land-surface datum, Mar. 2, 1970; lowest recorded, 260.48 ft below land-surface datum, Apr. 8, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	260.46	JAN 15	259.62	APR 08	260.48	JUL 01	258.90
WATER YEAR 2003		HIGHEST	258.90	JUL 01, 2003	LOWEST	260.48	APR 08, 2003



LINCOLN PARISH—Continued

LOCAL NUMBER.--L-113, Site ID 323013092482001.

LOCATION.--Lat 32°30'13", long 92°48'20", Hydrologic Unit 08040303, Sec. 32, T.18N, R. 4W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 750 ft, screened 740-750 ft, casing diameter 4 to 2 in.

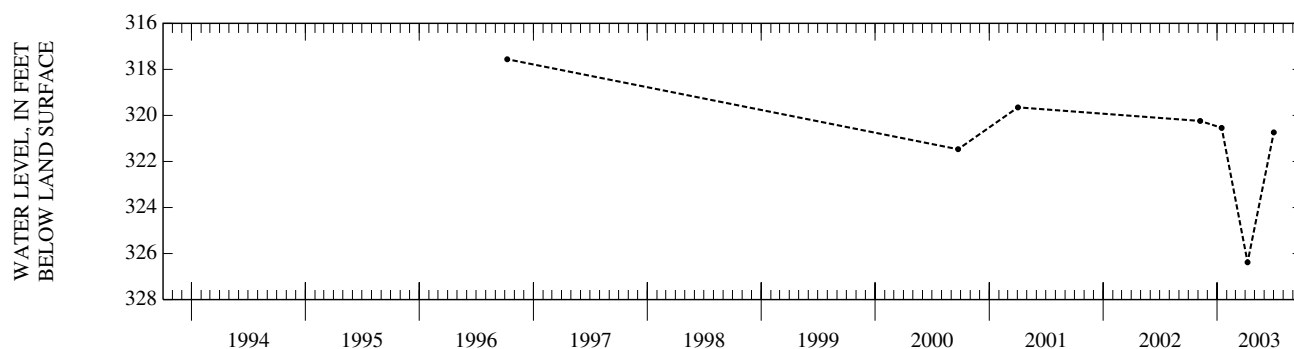
DATUM.--Elevation of land surface datum is 355 ft above NGVD of 1929. Measuring point: Top of hole in cap over casing, 1.64 ft above land-surface datum.

PERIOD OF RECORD.--1969-87, 1989, 1996, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 266.50 ft below land-surface datum, Aug. 11, 1969; lowest recorded, 326.38 ft below land-surface datum, Apr. 8, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 07	320.24	JAN 15	320.54	APR 08	326.38	JUL 01	320.74
WATER YEAR 2003 HIGHEST 320.24 NOV 07, 2002		LOWEST 320.74 JUL 01, 2003					



LIVINGSTON PARISH

LOCAL NUMBER.--Li-52, Site ID 303034090380301.

LOCATION.--Lat 30°30'34", long 90°38'03", Hydrologic Unit 08070203, Sec. 20, T. 6S, R. 6E.

AQUIFER.--"1,700-foot" sand of Baton Rouge area of Pliocene age (12117BR).

WELL CHARACTERISTICS.--Depth 1,865 ft, screened 1,825-1,865 ft, casing diameter 4 in.

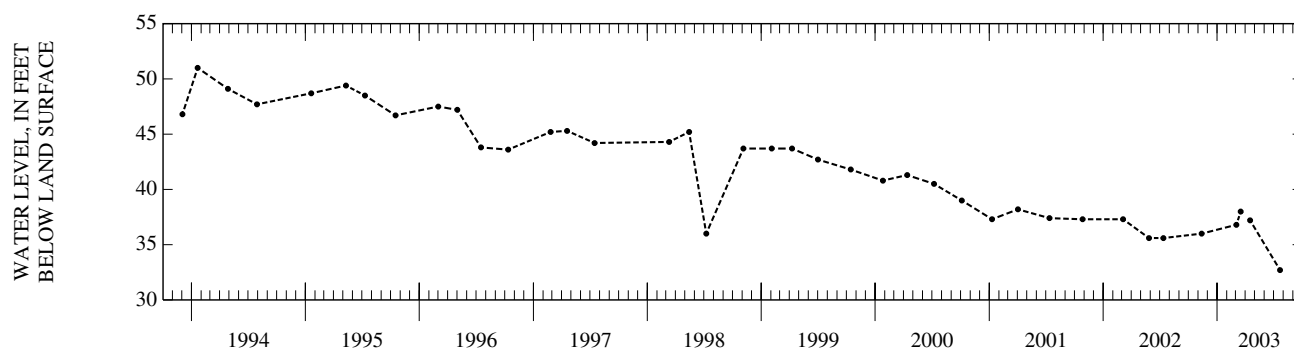
DATUM.--Elevation of land surface datum is 46 ft above NGVD of 1929. Measuring point: Center line of 3/4-in tee, 1.2 ft above land-surface datum.

PERIOD OF RECORD.--1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 116.20 ft above land-surface datum, Nov. 30, 1950; lowest recorded, 32.7 ft above land-surface datum, July 21, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	+36.0	MAR 03	+36.8	MAR 17	+38.0	APR 16	+37.2	JUL 21	+32.7
WATER YEAR 2003 HIGHEST +38.0 MAR 17, 2003 LOWEST +32.7 JUL 21, 2003									



LIVINGSTON PARISH—Continued

LOCAL NUMBER.--Li-113, Site ID 302956090504601.

LOCATION.--Lat 30°29'56", long 90°50'46", Hydrologic Unit 08070202, Sec. 30, T. 6S, R. 4E.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,300 ft, screened interval unknown, casing diameter 3 in.

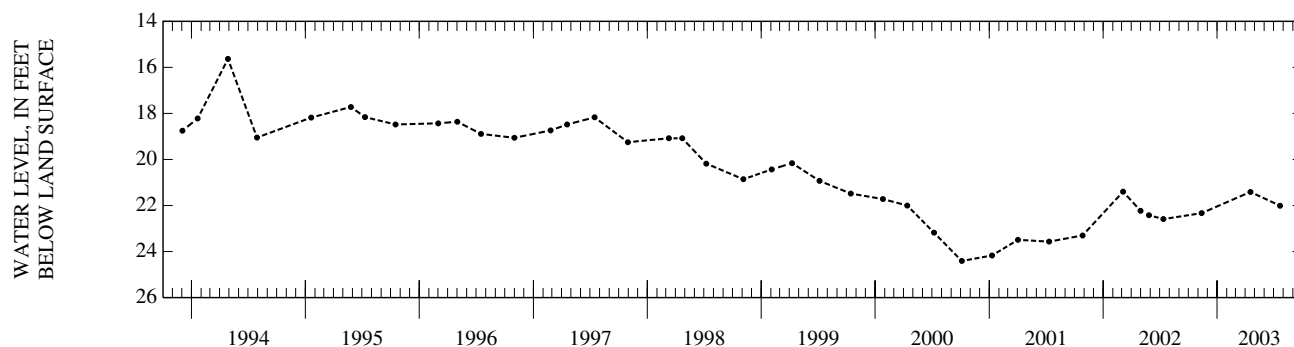
DATUM.--Elevation of land surface datum is 48 ft above NGVD of 1929. Measuring point: Top of collar above valve, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.98 ft below land-surface datum, Apr. 14, 1967; lowest recorded, 24.41 ft below land-surface datum, Oct. 4, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	22.33	APR 17	21.41	JUL 21	22.01
WATER YEAR 2003 HIGHEST 21.41 APR 17, 2003 LOWEST 22.33 NOV 12, 2002					



LIVINGSTON PARISH—Continued

LOCAL NUMBER.--Li-122, Site ID 302450090355601.

LOCATION.--Lat 30°24'50", long 90°35'56", Hydrologic Unit 08070203, Sec. 45, T. 7S, R. 6E.

AQUIFER.--"400-foot" sand of Baton rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 500 ft, screened 490-500 ft, casing diameter 1 1/2 in.

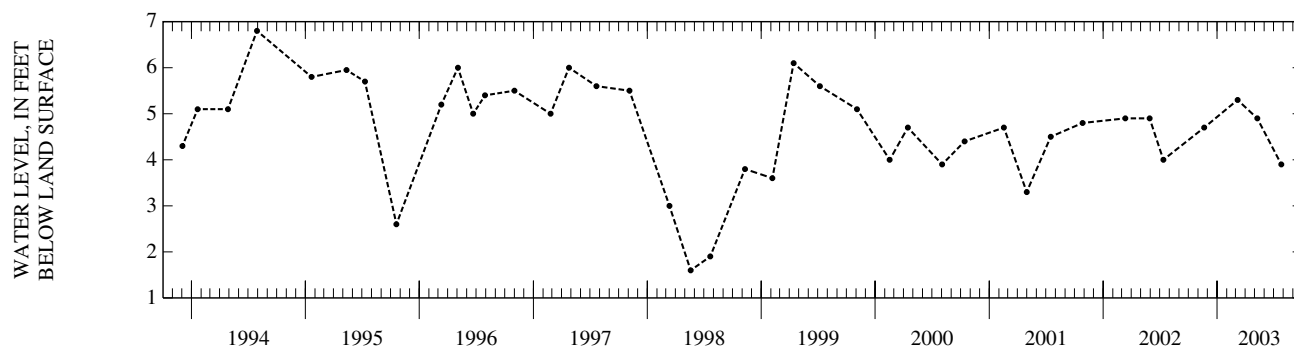
DATUM.--Elevation of land surface datum is 11 ft above NGVD of 1929. Measuring point: Top of 3/4-in. nipple, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1966, 1984, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.40 ft above land-surface datum, July 15, 1966; lowest recorded, 1.60 ft above land-surface datum, May 19, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	+4.7	MAR 07	+5.3	MAY 09	+4.9	JUL 25	+3.9
WATER YEAR 2003		HIGHEST	+5.3	MAR 07, 2003	LOWEST	+3.9	JUL 25, 2003



LIVINGSTON PARISH—Continued

LOCAL NUMBER.--Li-169, Site ID 303747090374801.

LOCATION.--Lat 30°37'47", long 90°37'48", Hydrologic Unit 08070204, Sec. 39, T. 5S, R. 6E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 260 ft, screened interval 245-260 ft, casing diameter 4 in.

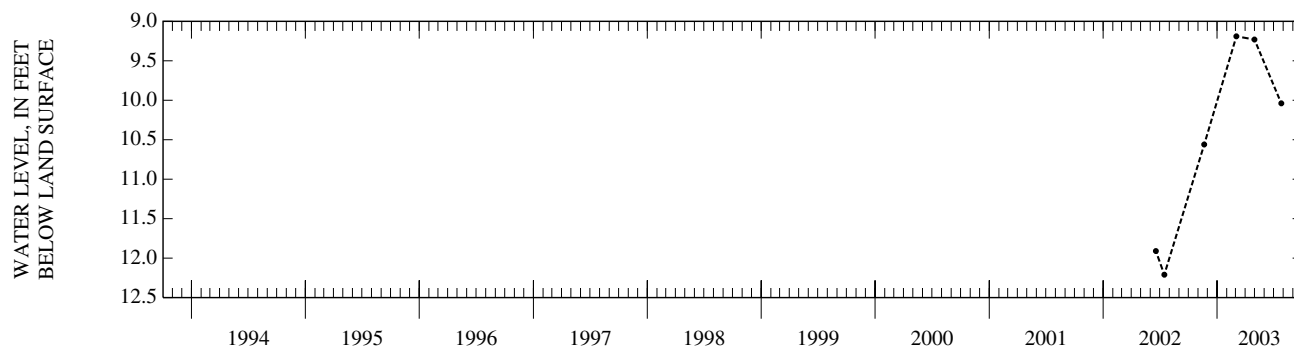
DATUM.--Elevation of land surface datum is 85 ft above NGVD of 1929. Measuring point: Top of 3/4-in. nipple on tee on air vent, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--1973, 1983-84, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.14 ft below land-surface datum, Mar. 28, 1991; lowest recorded, 12.21 ft below land-surface datum, July 15, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	10.56	MAR 03	9.19	APR 30	9.23	JUL 25	10.04
WATER YEAR 2003		HIGHEST	9.19	MAR 03, 2003	LOWEST	10.56	NOV 20, 2002



LIVINGSTON PARISH—Continued

LOCAL NUMBER.--Li-185, Site ID 302724090565801.

LOCATION.--Hydrologic Unit 08070202

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 2,611 ft, screened 2,531-2,611 ft, casing diameter 14 to 12 to 8 in.

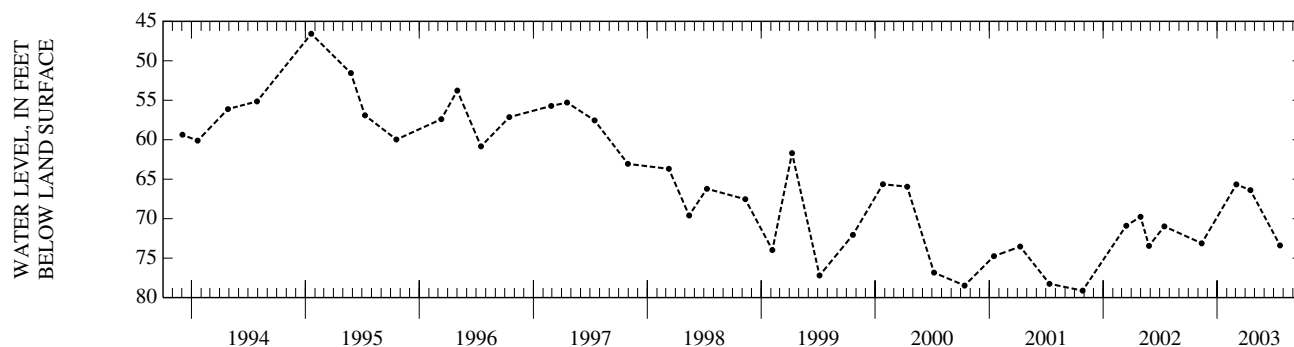
DATUM.--Elevation of land surface datum is 37 ft above NGVD of 1929. Measuring point: Bottom lip of vent elbow, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--1979, 1983, 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 41.14 ft below land-surface datum, Feb. 3, 1989; lowest recorded, 79.12 ft below land-surface datum, Oct. 26, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	73.12	MAR 03	65.66	APR 17	66.39	JUL 21	73.39
WATER YEAR 2003		HIGHEST	65.66	MAR 03, 2003	LOWEST	73.39	JUL 21, 2003



LIVINGSTON PARISH—Continued

LOCAL NUMBER.--Li-209, Site ID 303247090544601.

LOCATION.--Lat 30°32'47", long 90°54'46", Hydrologic Unit 08070202, Sec. 9, T. 6S, R. 3E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 305 ft, screened interval 290-305 ft, casing diameter 4 to 2 in.

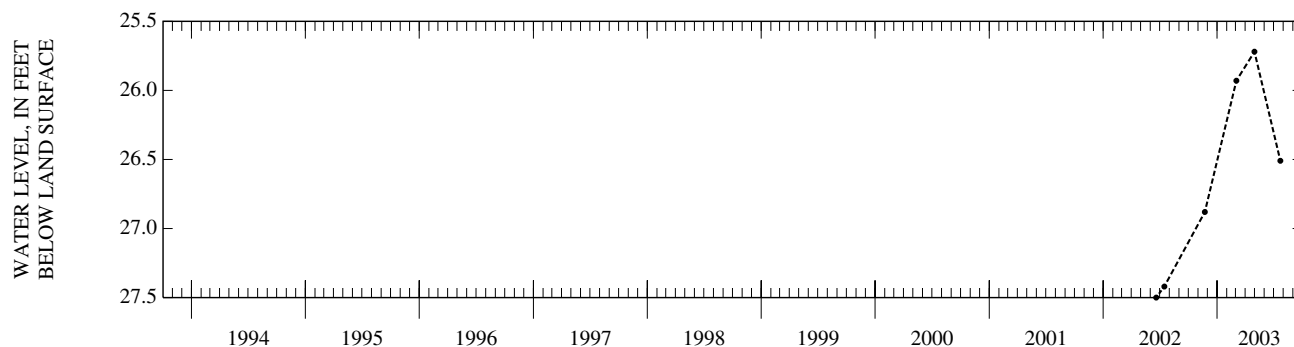
DATUM.--Elevation of land surface datum is 59 ft above NGVD of 1929. Measuring point: Top in sanitary seal, 0.9 ft below land-surface datum.

PERIOD OF RECORD.--1984, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.66 ft below land-surface datum, May 16, 1984; lowest recorded, 27.50 ft below land-surface datum, June 19, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 22	26.88	MAR 03	25.93	APR 30	25.72	JUL 22	26.51
WATER YEAR 2003		HIGHEST	25.72	APR 30, 2003	LOWEST	26.88	NOV 22, 2002



MADISON PARISH

LOCAL NUMBER.--Ma-64, Site ID 322614091122001.

LOCATION.--Lat 32°26'14", long 91°12'20", Hydrologic Unit 08050003, Sec. 23, T.17N, R.12E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 117 ft, screened 112-117 ft, casing diameter 1 1/4 in.

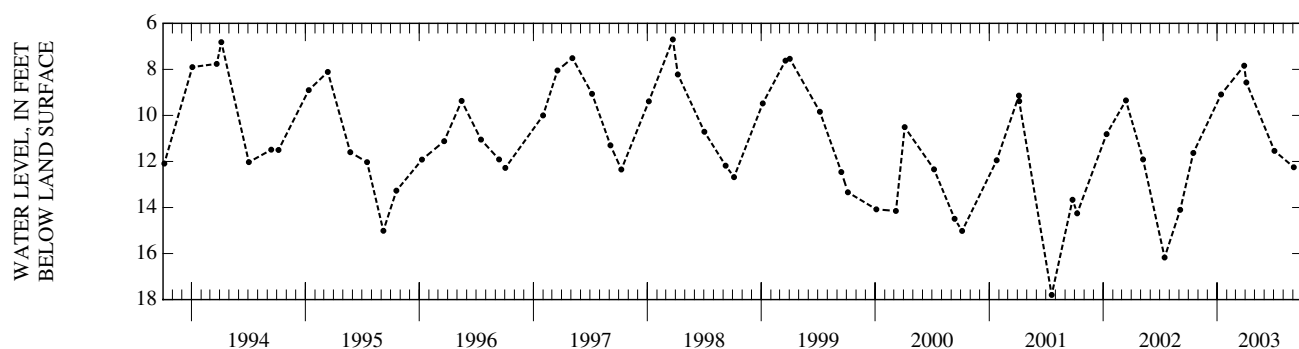
DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--1975, 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.40 ft below land-surface datum, Apr. 23, 1991; lowest recorded, 17.80 ft below land-surface datum, July 19, 2001. !

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	11.63	JAN 13	9.09	MAR 28	7.84	APR 04	8.57	JUL 03	11.54	SEP 03	12.25
WATER YEAR 2003		HIGHEST	7.84	MAR 28, 2003	LOWEST	12.25	SEP 03, 2003				



MOREHOUSE PARISH

LOCAL NUMBER.--Mo-5, Site ID 324626091543901.

LOCATION.--Lat 32°46'26", long 91°54'39", Hydrologic Unit 08050001, Sec. 25, T.21N, R. 5E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 860 ft, screened interval unknown, casing diameter 10 in.

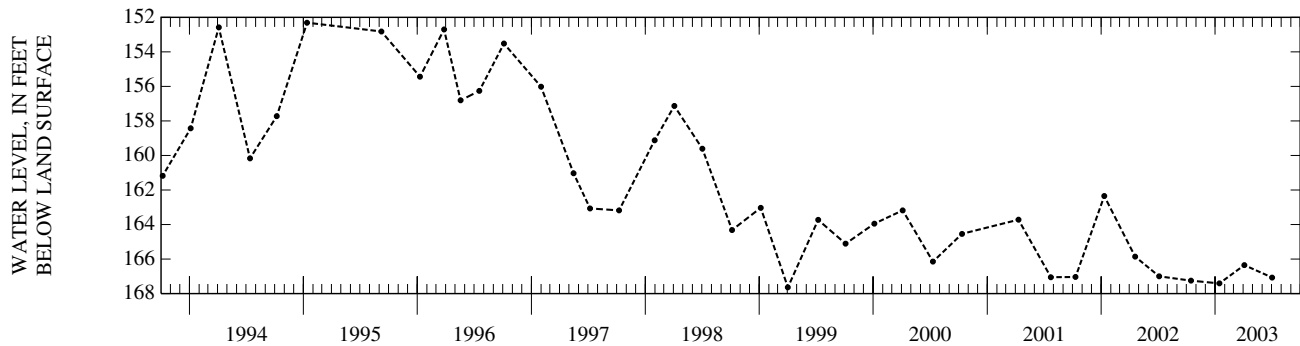
DATUM.--Elevation of land surface datum is 117.44 ft above NGVD of 1929. Measuring point: Top of nipple on metal cover plate, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 143.59 ft below land-surface datum, June 6, 1989; lowest recorded, 204.74 ft below land-surface datum, June 3, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	167.25	JAN 14	167.41	APR 04	166.35	JUL 02	167.07
WATER YEAR 2003 HIGHEST		166.35	APR 04, 2003	LOWEST		167.41	JAN 14, 2003



LOCAL NUMBER.--Mo-67, Site ID 323806091530401.

LOCATION.--Lat 32°38'06", long 91°53'04", Hydrologic Unit 08050001, Sec. 17, T.19N, R. 6E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 81 ft, screened 71-81 ft, casing diameter 3 in.

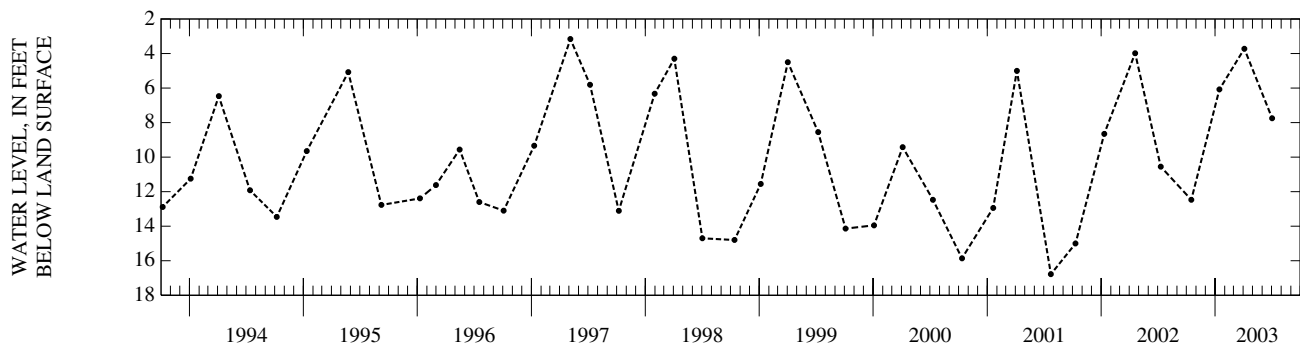
DATUM.--Elevation of land surface datum is 73.51 ft above NGVD of 1929. Measuring point: Top of casing, 7.9 ft above land-surface datum.

PERIOD OF RECORD.--1953-77, 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.59 ft below land-surface datum, Dec. 19, 1961; lowest recorded, 23.88 ft below land-surface datum, Sept. 1, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	12.47	JAN 14	6.08	APR 04	3.72	JUL 02	7.75
WATER YEAR 2003 HIGHEST		3.72	APR 04, 2003	LOWEST		12.47	OCT 16, 2002



MOREHOUSE PARISH—Continued

LOCAL NUMBER.--Mo-343, Site ID 324753091471202.

LOCATION.--Lat 32°47'53", long 91°47'12", Hydrologic Unit 08050001, Sec. 19, T.21N, R. 7E.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 176 ft, screened 166-176 ft, casing diameter 2 in.

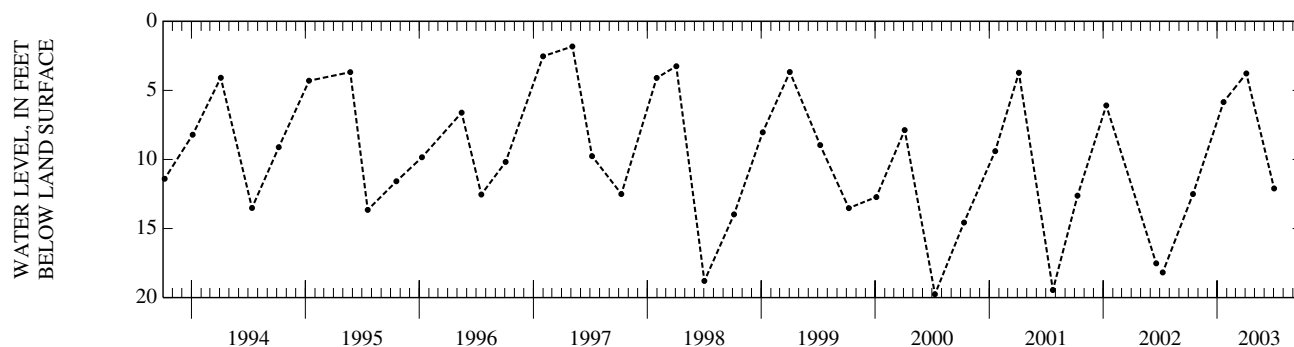
DATUM.--Elevation of land surface datum is 88.41 ft above NGVD of 1929. Measuring point: Top of bushing, 3.72 ft above land-surface datum.

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.50 ft below land-surface datum, May 13, 1975; lowest recorded, 19.76 ft below land-surface datum, July 10, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	12.50	JAN 21	5.84	APR 04	3.77	JUL 02	12.1
WATER YEAR 2003		HIGHEST	3.77	APR 04, 2003	LOWEST	12.50	OCT 15, 2002



MOREHOUSE PARISH—Continued

LOCAL NUMBER.--Mo-657, Site ID 324647091543806.

LOCATION.--Hydrologic Unit 08050001.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 97 ft, screened 57-97 ft, casing diameter 6 in.

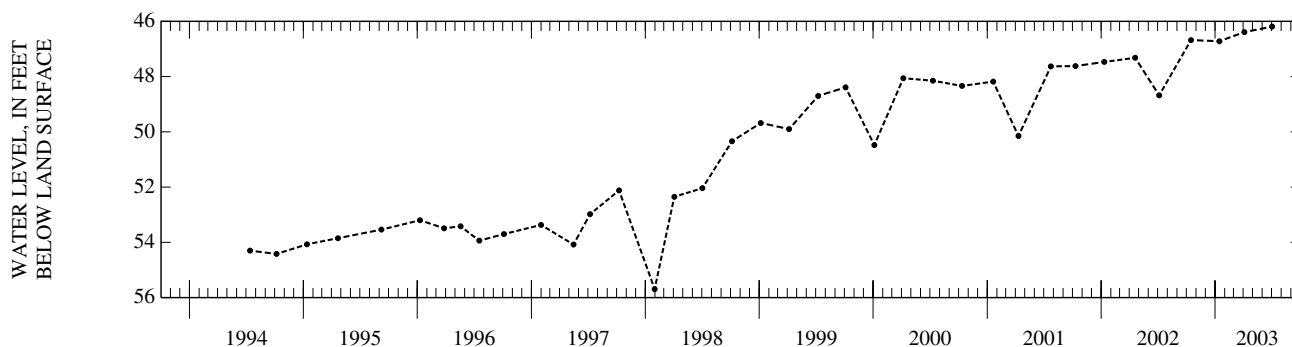
DATUM.--Elevation of land surface datum is 126.64 ft above NGVD of 1929. Measuring point: Top of casing, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 46.19 ft below land-surface datum, July 2, 2002; lowest recorded, 60.00 ft below land-surface datum (reported), June 7, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	46.68	JAN 14	46.72	APR 04	46.39	JUL 02	46.19
WATER YEAR 2003		HIGHEST	46.19 JUL 02, 2003	LOWEST	46.72	JAN 14, 2003	



LOCAL NUMBER.--Mo-708, Site ID 325356091344801.

LOCATION.--Lat 32°53'56", long 91°34'48", Hydrologic Unit 08050001, Sec. 18, T.22S, R. 9E.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 276 ft, screened 246-256 ft and 266-276 ft, casing diameter 3 in.

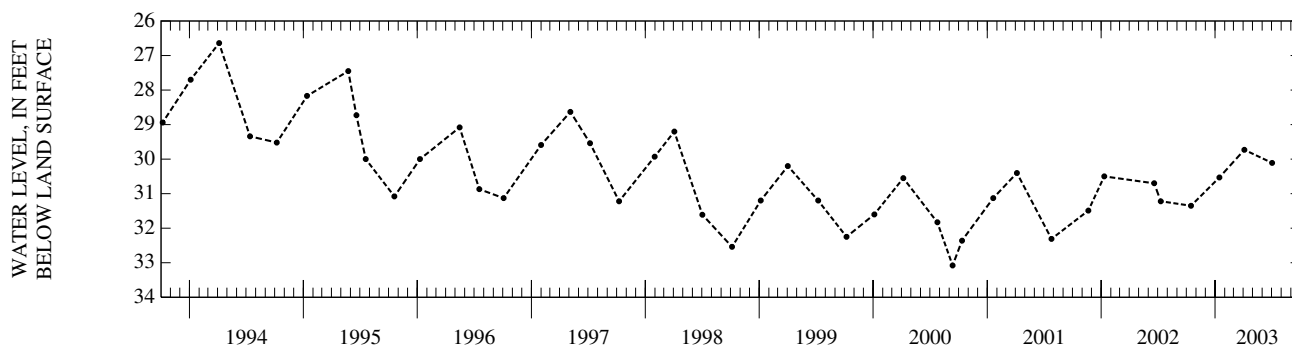
DATUM.--Elevation of land surface datum is 96 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 26.28 ft below land-surface datum, Apr. 5, 1993; lowest recorded, 33.08 ft below land-surface datum, Sept. 11, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	31.35	JAN 14	30.53	APR 04	29.73	JUL 02	30.11
WATER YEAR 2003		HIGHEST	29.73 APR 04, 2003	LOWEST	31.35	OCT 15, 2002	



MOREHOUSE PARISH—Continued

LOCAL NUMBER.--Mo-842, Site ID 325359091344802.

LOCATION.--Lat 32°53'59", long 91°34'48", Hydrologic Unit 08050001, Sec. 18, T.22N, R. 9E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 90 ft, screened 88-90 ft, casing diameter 2 in.

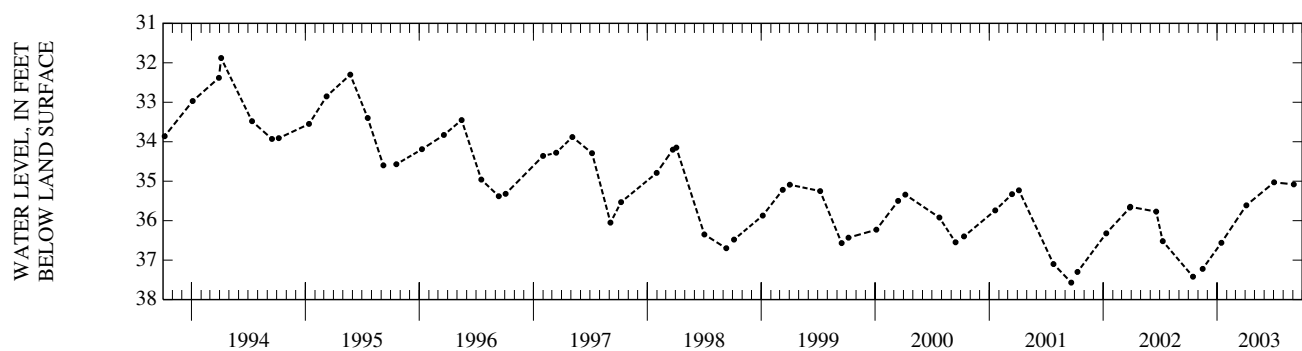
DATUM.--Elevation of land surface datum is 96 ft above NGVD of 1929. Measuring point: Top of bushing, 1.33 below land-surface datum.

PERIOD OF RECORD.--1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 30.49 ft below land-surface datum, July 1, 1992; lowest recorded, 37.57 ft below land-surface datum, Sept. 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	37.42	NOV 15	37.22	JAN 14	36.56	APR 04	35.61	JUL 02	35.03	SEP 03	35.08
WATER YEAR 2003		HIGHEST	35.03	JUL 02, 2003	LOWEST	37.42	OCT 15, 2002				



NATCHITOCHES PARISH

LOCAL NUMBER.--Na-9, Site ID 312934093114801.

LOCATION.--Hydrologic Unit 11140207.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 1,300 ft, screened 1,200-1,300 ft, casing diameter 4 in.

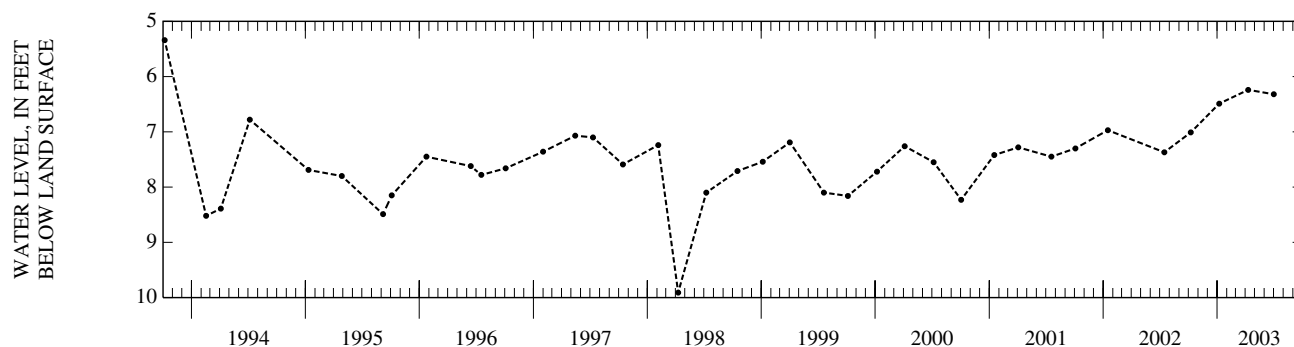
DATUM.--Elevation of land surface datum is 185 ft above NGVD of 1929. Measuring point: Top of sanitary seal, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.34 ft below land-surface datum, Oct. 6, 1993; lowest recorded, 40.00 ft below land-surface datum (reported), Jan. 1, 1936.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	7.01	JAN 07	6.49	APR 10	6.24	JUL 01	6.32
WATER YEAR 2003 HIGHEST		6.24	APR 10, 2003	LOWEST	7.01	OCT 08, 2002	



NATCHITOCHES PARISH—Continued

LOCAL NUMBER.--Na-474, Site ID 314542093043701.

LOCATION.--Lat 31°45'42", long 93°04'37", Hydrologic Unit 11140204, Sec. 49, T. 9N, R. 7W.

AQUIFER.--Red River alluvial aquifer of Pleistocene age (112RRVA).

WELL CHARACTERISTICS.--Depth 73 ft, screened 70-73 ft, casing diameter 1 1/4 in.

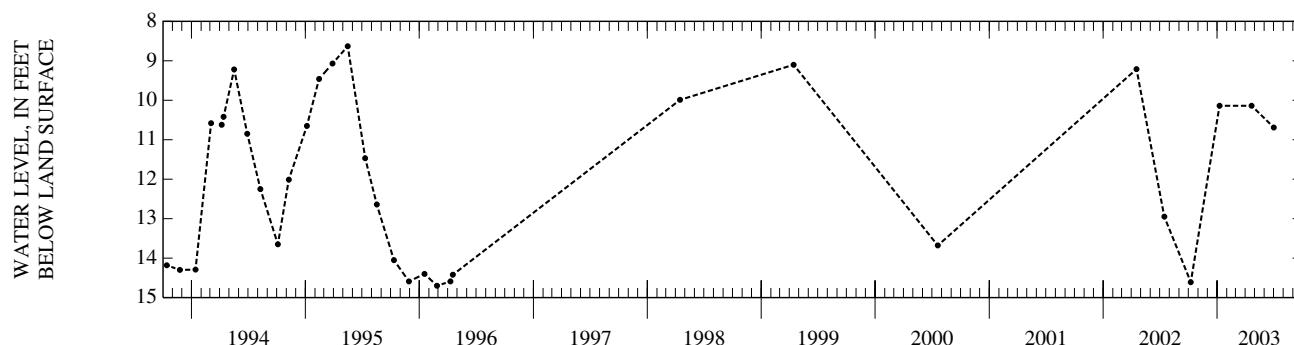
DATUM.--Elevation of land surface datum is 120 ft above NGVD of 1929. Measuring point: Top of 1 1/4-in. casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1978-96, 1998-2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.75 ft below land-surface datum, July 19, 1989; lowest recorded, 18.57 ft below land-surface datum, Nov. 4, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	14.61	JAN 08	10.14	APR 21	10.14	JUL 01	10.69
WATER YEAR 2003 HIGHEST		10.14	JAN 08, 2003	APR 21, 2003	LOWEST	14.61	OCT 08, 2002



LOCAL NUMBER.--Na-479, Site ID 320116093044902.

LOCATION.--Lat 32°01'16", long 93°04'49", Hydrologic Unit 11140209, Sec. 15, T.12N, R. 7W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 106 ft, screened 103-106 ft, casing diameter 1 1/4 in.

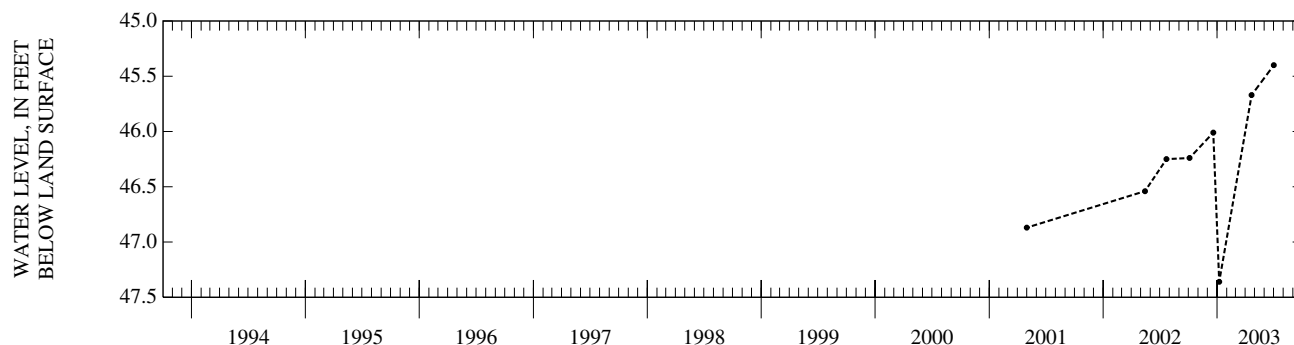
DATUM.--Elevation of land surface datum is 210 ft above NGVD of 1929. Measuring point: File marks in bushing, at land-surface datum.

PERIOD OF RECORD.--1980-87, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 45.40 ft below land-surface datum, July 1, 2003; lowest recorded, 59.49 ft below land-surface datum, Sept. 4, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	46.24	DEC 19	46.01	JAN 07	47.36	APR 21	45.67	JUL 01	45.40
WATER YEAR 2003 HIGHEST		45.40	JUL 01, 2003	LOWEST	47.36	JAN 07, 2003			



NATCHITOCHES PARISH—Continued

LOCAL NUMBER.--Na-487, Site ID 314141093192102.

LOCATION.--Hydrologic Unit 11140206.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 445 ft, screened 405-445 ft, casing diameter 8 in.

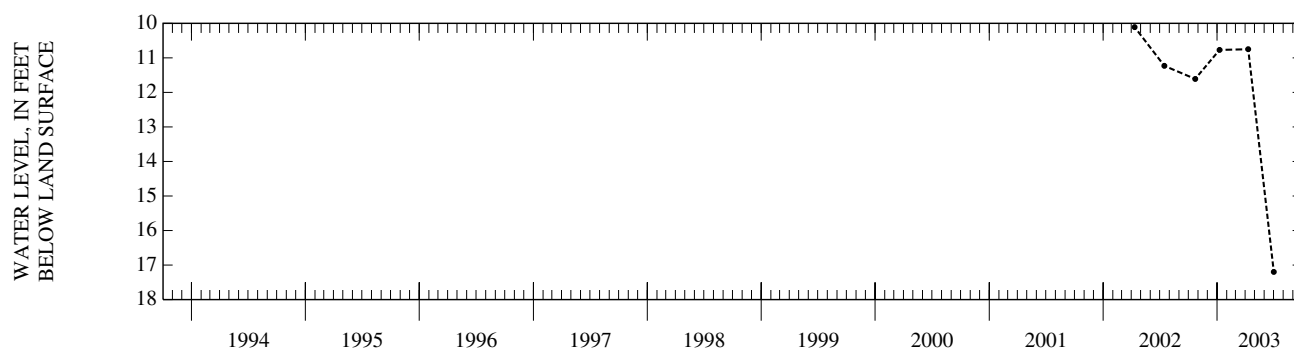
DATUM.--Elevation of land surface datum is 155 ft above NGVD of 1929. Measuring point: Lowest point on inside of top of 1-in. coupling, 2.35 ft above land-surface datum.

PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.11 ft below land-surface datum, Apr. 11, 2002; lowest recorded, 17.20 ft below land-surface datum, July 1, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	11.61	JAN 08	10.77	APR 10	10.75	JUL 01	17.20
WATER YEAR 2003		HIGHEST	10.75	APR 10, 2003	LOWEST	17.20	JUL 01, 2003



NATCHITOCHES PARISH—Continued

LOCAL NUMBER.--Na-526, Site ID 312637093052602.

LOCATION.--Hydrologic Unit 11140207.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 85 ft, screened 75-85 ft, casing diameter 6 to 4 in.

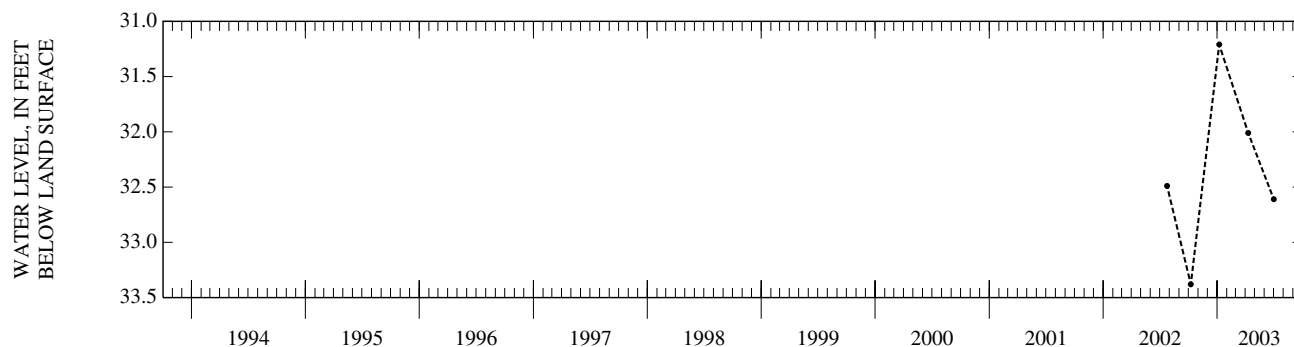
DATUM.--Elevation of land surface datum is 180 ft above NGVD of 1929. Measuring point: Remove bolt on north-east corner of pump base, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--1986, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 30.0 ft below land-surface datum (reported), Aug. 4, 1986; lowest recorded, 33.38 ft below land-surface datum, Oct. 8, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	33.38	JAN 07	31.21	APR 10	32.01	JUL 01	32.61
WATER YEAR 2003 HIGHEST 31.21 JAN 07, 2003 LOWEST 33.38 OCT 08, 2002							



ORLEANS PARISH

LOCAL NUMBER.--Or-42, Site ID 295652090020101.

LOCATION.--Lat 29°56'52", long 90°02'01", Hydrologic Unit 08090203, Sec. 16, T.13S, R.12E.

AQUIFER.--Gonzales-New Orleans aquifer of Pleistocene age (112GZNO).

WELL CHARACTERISTICS.--Depth 775 ft, screened 664-775 ft, casing diameter 8 in.

DATUM.--Elevation of land surface datum is 10 ft above NGVD of 1929. Measuring point: Notch in wooden platform over well casing, 1.0 ft above land-surface datum.

INSTRUMENTATION.--Electronic data logger, 60-minute recording interval.

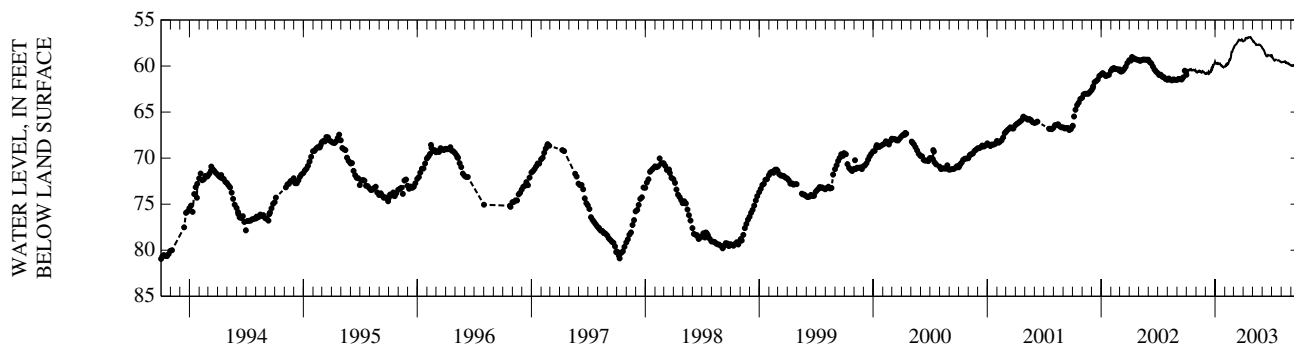
PERIOD OF RECORD.--1942, 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 40.07 ft below land-surface datum, May 25, 1942; lowest recorded, 140.48 ft below land-surface datum, Sept. 20, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum water-level depth below land surface, 60.94 ft, Dec. 3; minimum water-level depth below land surface, 56.82 ft, Apr. 20, 21.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.87	60.67	60.86	59.63	60.05	58.00	57.31	57.23	58.09	58.94	59.60	59.95
2	60.65	60.69	60.85	59.67	60.01	57.99	57.29	57.31	58.11	58.98	59.59	59.96
3	60.31	60.68	60.84	59.73	59.93	57.86	57.25	57.37	58.13	59.02	59.58	59.96
4	60.64	60.67	60.76	59.71	59.98	57.78	57.24	57.37	58.21	59.10	59.57	59.95
5	60.65	60.52	60.80	59.72	59.94	57.75	57.23	57.36	58.26	59.18	59.56	59.91
6	60.58	60.65	60.80	59.76	59.84	57.73	57.19	57.42	58.29	59.22	59.55	59.92
7	60.52	60.63	60.78	59.77	59.89	57.71	57.16	57.48	58.38	59.29	59.56	59.95
8	60.47	60.60	60.79	59.75	59.88	57.66	56.97	57.52	58.48	59.36	59.56	59.95
9	60.44	60.54	60.69	59.70	59.75	57.61	56.98	57.55	58.60	59.40	59.54	59.95
10	60.39	60.49	60.63	59.76	59.77	57.58	56.96	57.56	58.70	59.41	59.55	59.97
11	60.43	60.50	60.72	59.78	59.71	57.53	56.94	57.64	58.73	59.38	59.54	59.94
12	60.44	60.57	60.63	59.76	59.69	57.47	56.95	57.72	58.81	59.36	59.50	59.87
13	60.44	60.63	60.63	59.73	59.59	57.41	56.97	57.71	58.89	59.32	59.55	59.85
14	60.36	60.63	60.74	59.75	59.45	57.37	56.99	57.69	58.93	59.30	59.61	59.87
15	60.33	60.59	60.70	59.74	59.31	57.33	56.95	57.69	58.94	59.34	59.57	59.85
16	60.39	60.64	60.66	59.73	59.27	57.21	56.89	57.70	58.94	59.39	59.59	59.80
17	60.47	60.72	60.56	59.84	59.31	57.16	56.88	57.70	58.90	59.35	59.60	59.81
18	60.48	60.73	60.48	59.87	59.27	57.13	56.90	57.71	58.88	59.35	59.65	59.82
19	60.46	60.70	60.37	59.94	59.15	57.14	56.89	57.69	58.80	59.39	59.69	59.88
20	60.45	60.58	60.48	59.95	59.05	57.15	56.88	57.69	58.82	59.38	59.73	59.94
21	60.44	60.55	60.41	59.93	58.69	57.20	56.88	57.66	58.83	59.37	59.73	59.92
22	60.44	60.58	60.35	59.96	58.47	57.23	56.89	57.68	58.83	59.37	59.69	59.90
23	60.41	60.62	60.10	60.05	58.47	57.23	56.91	57.68	58.84	59.37	59.69	59.96
24	60.45	60.63	59.98	60.09	58.45	57.24	56.87	57.70	58.85	59.39	59.72	59.99
25	60.45	60.64	60.02	60.10	58.39	57.23	56.90	57.72	58.86	59.43	59.77	59.99
26	60.48	60.68	59.94	60.09	58.23	57.18	56.97	57.77	58.88	59.46	59.82	59.96
27	60.49	60.74	59.86	60.14	58.16	57.11	57.04	57.83	58.91	59.50	59.82	59.98
28	60.51	60.80	59.80	60.10	58.10	57.15	57.11	57.86	58.94	59.51	59.86	60.03
29	60.45	60.81	59.74	60.08	---	57.22	57.14	57.87	58.97	59.51	59.88	60.03
30	60.53	60.82	59.64	60.07	---	57.28	57.17	57.92	58.75	59.54	59.89	60.02
31	60.59	---	59.53	60.07	---	57.32	---	58.01	---	59.59	59.90	---
MAX	60.87	60.82	60.86	60.14	60.05	58.00	57.31	58.01	58.97	---	59.90	60.03
MIN	60.31	60.49	59.53	59.63	58.10	57.11	56.87	57.23	58.09	---	59.50	59.80



ORLEANS PARISH—Continued

LOCAL NUMBER.--Or-175, Site ID 300525089464001.

LOCATION.--Lat 30°05'25", long 89°46'40", Hydrologic Unit 08090203, Sec. 38, T.11S, R.14E.

AQUIFER.--Gonzales-New Orleans aquifer of Pleistocene age (112GZNO).

WELL CHARACTERISTICS.--Depth 449 ft, screened 439-449 ft, casing diameter 2 in.

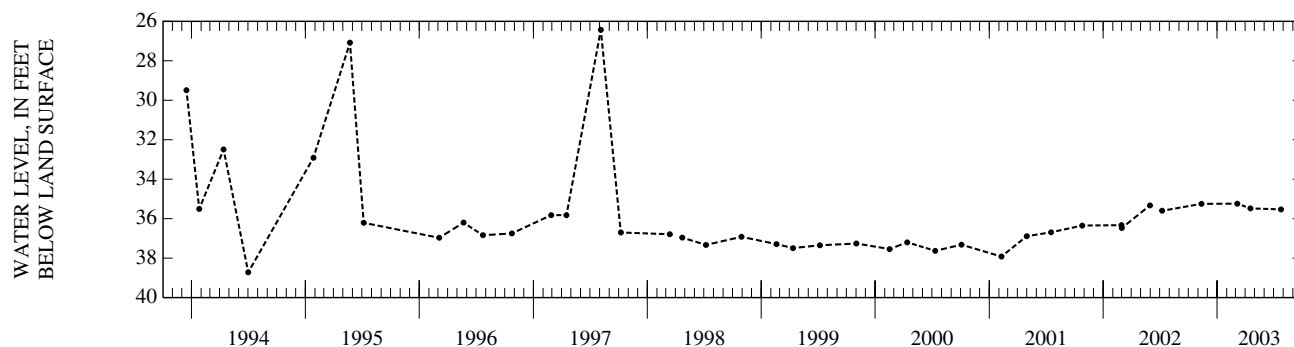
DATUM.--Elevation of land surface datum is 10 ft above NGVD of 1929. Measuring point: Top of 2-in. pipe, 1.67 ft above land-surface datum.

PERIOD OF RECORD.--1963, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.84 ft below land-surface datum, Sept. 19, 1963; lowest recorded, 38.72 ft below land-surface datum, July 1, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 11	35.25	MAR 06	35.24	APR 17	35.48	JUL 24	35.53
WATER YEAR 2003		HIGHEST	35.24	MAR 06, 2003	LOWEST	35.53	JUL 24, 2003



ORLEANS PARISH—Continued

LOCAL NUMBER.--Or-179, Site ID 300959089441901.

LOCATION.--Lat 30°09'59", long 89°44'19", Hydrologic Unit 08090203, Sec. 19, T.10S, R.15E.

AQUIFER.--Abita aquifer of Pliocene age (120ABIT).

WELL CHARACTERISTICS.--Depth 2,434 ft, screened 2,429-2,434 ft, casing diameter 2 1/2 in.

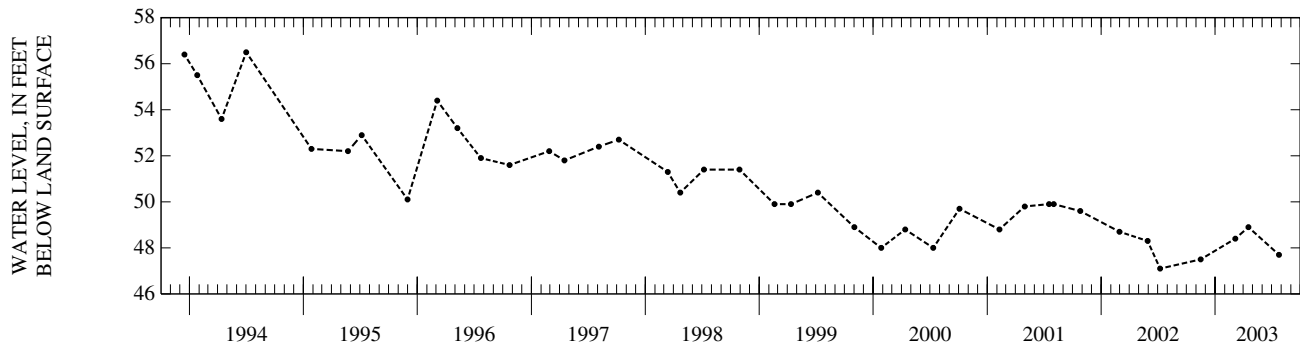
DATUM.--Elevation of land surface datum is 4 ft above NGVD of 1929. Measuring point: Center line of end of discharge pipe, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 107.2 ft above land-surface datum, Nov. 10, 1965; lowest recorded, 47.1 ft above land-surface datum, July 8, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	+47.5	MAR 06	+48.40	APR 17	+48.9	JUL 24	+47.7
WATER YEAR 2003		HIGHEST	+48.9	APR 17, 2003	LOWEST	+47.5	NOV 15, 2002



ORLEANS PARISH—Continued

LOCAL NUMBER.--Or-206, Site ID 300027090013201.

LOCATION.--Lat 30°00'27", long 90°01'32", Hydrologic Unit 08090203, Sec. 38, T.12S, R.12E.

AQUIFER.--Gonzales-New Orleans aquifer of Pleistocene age (112GZNO).

WELL CHARACTERISTICS.--Depth 647 ft, screened 557-647 ft, casing diameter 18 to 12 in.

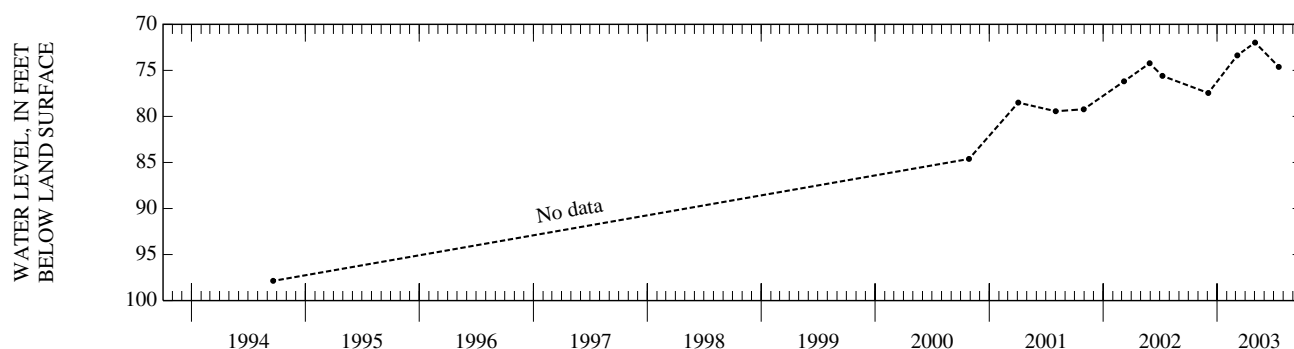
DATUM.--Elevation of land surface datum is 4 ft below NGVD of 1929. Measuring point: Top edge of 3/4-in. coupling, 2.87 ft above land-surface datum.

PERIOD OF RECORD.--1972, 1982, 1987, 1993, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 71.98 ft below land-surface datum, May 2, 2003; lowest recorded, 174.00 ft below land-surface datum (reported), Oct. 30, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 03	77.46	MAR 06	73.37	MAY 02	71.98	JUL 17	74.62
WATER YEAR 2003		HIGHEST	71.98 MAY 02, 2003	LOWEST	77.46 DEC 03, 2002		



OUACHITA PARISH

LOCAL NUMBER.--Ou-80, Site ID 322843092084401.

LOCATION.--Lat 32°28'43", long 92°08'44", Hydrologic Unit 08040207, Sec. 10, T.17N, R. 3E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 721 ft, screened 607-721 ft, casing diameter 16 to 10 in.

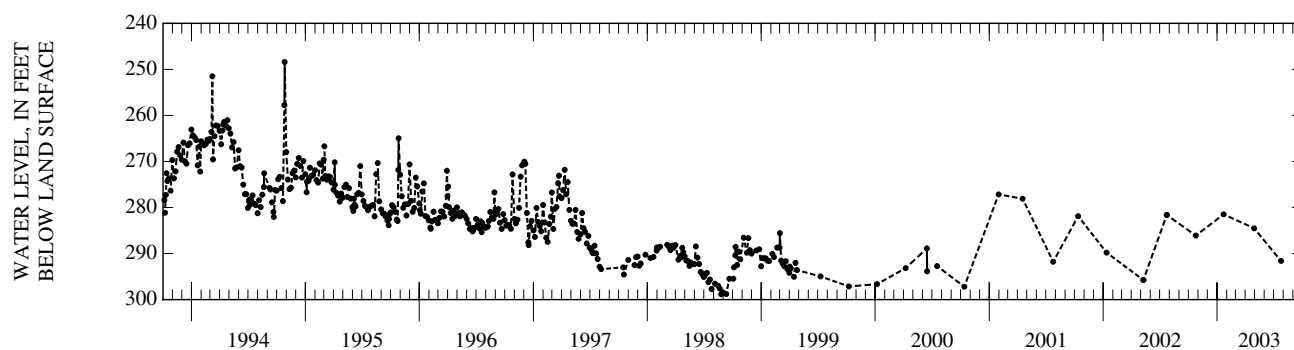
DATUM.--Elevation of land surface datum is 60 ft above NGVD of 1929. Measuring point: Top of recorder shelf, 4.50 ft above land-surface datum.

PERIOD OF RECORD.--1956, 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 194.60 ft below land-surface datum (reported), May 3, 1956; lowest recorded, 298.83 ft below land-surface datum, Aug. 25, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	286.10	JAN 21	281.48	APR 29	284.51	JUL 24	291.59
WATER YEAR 2003		HIGHEST	281.48 JAN 21, 2003	LOWEST	291.59 JUL 24, 2003		



OUACHITA PARISH—Continued

LOCAL NUMBER.--Ou-151, Site ID 323136091592801.

LOCATION.--Lat 32°31'31", long 91°59'30", Hydrologic Unit 08050001, Sec.19, T.18N, R. 5E.

AQUIFER.--Mississippi River Alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 68 ft, screened 58-68 ft, casing diameter 3 in.

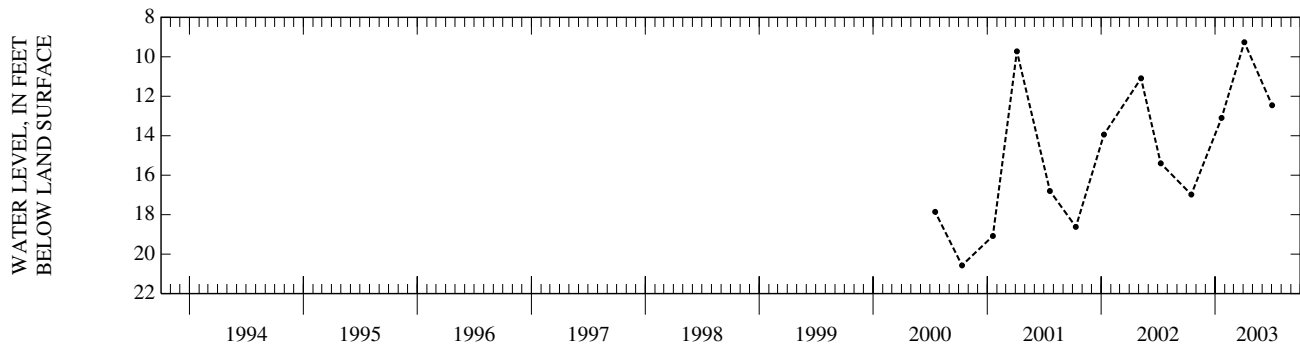
DATUM.--Elevation of land surface datum is 72.42 ft above NGVD of 1929. Measuring point: Top of 3x2-in. reducer, 4.8 ft above land-surface datum.

PERIOD OF RECORD.--1953-87, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.77 ft below land-surface datum, Mar. 19, 1975; lowest recorded, 23.63 ft below land-surface datum, Sept. 22, 1954.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	16.98	JAN 21	13.10	APR 04	9.26	JUL 02	12.46
WATER YEAR 2003 HIGHEST		9.26	APR 04, 2003	LOWEST		16.98	OCT 16, 2002



LOCAL NUMBER.--Ou-401A, Site ID 322422092020701.

LOCATION.--Lat 32°24'22", long 92°02'07", Hydrologic Unit 08050001, Sec. 2, T.16N, R. 4E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 397 ft, screened 389-397 ft, casing diameter 2 in.

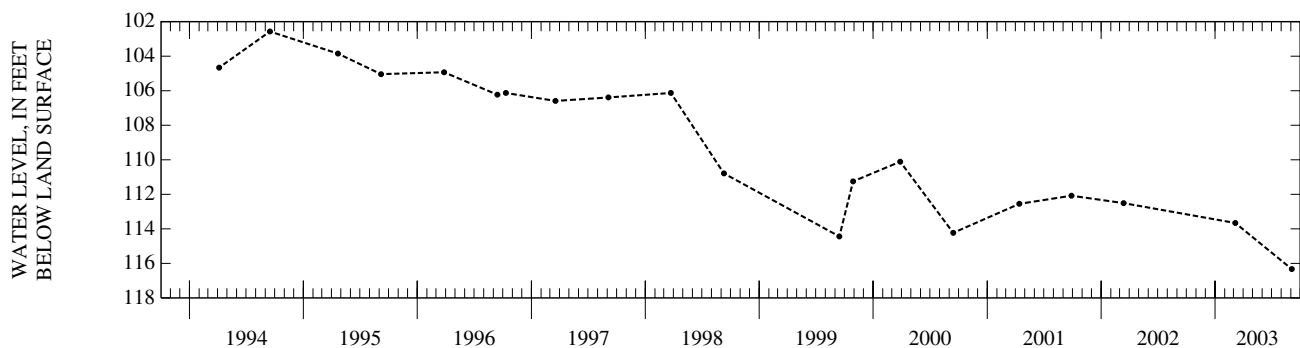
DATUM.--Elevation of land surface datum is 62.28 ft above NGVD of 1929. Measuring point: Top of casing, 3.89 ft above land-surface datum.

PERIOD OF RECORD.--1965-87, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 70.11 ft below land-surface datum, Apr. 27, 1967; lowest recorded, 116.23 ft below land-surface datum, Sept. 3, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 06	113.66	SEP 03	116.33
WATER YEAR 2003 HIGHEST		113.66	MAR 06, 2003
LOWEST		116.33	SEP 03, 2003



OUACHITA PARISH—Continued

LOCAL NUMBER.--Ou-443, Site ID 323100092165801.

LOCATION.--Lat 32°31'00", long 92°16'58", Hydrologic Unit 08040207, Sec. 29, T.18N, R. 2E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 860 ft, screened 850-860 ft, casing diameter 2 in.

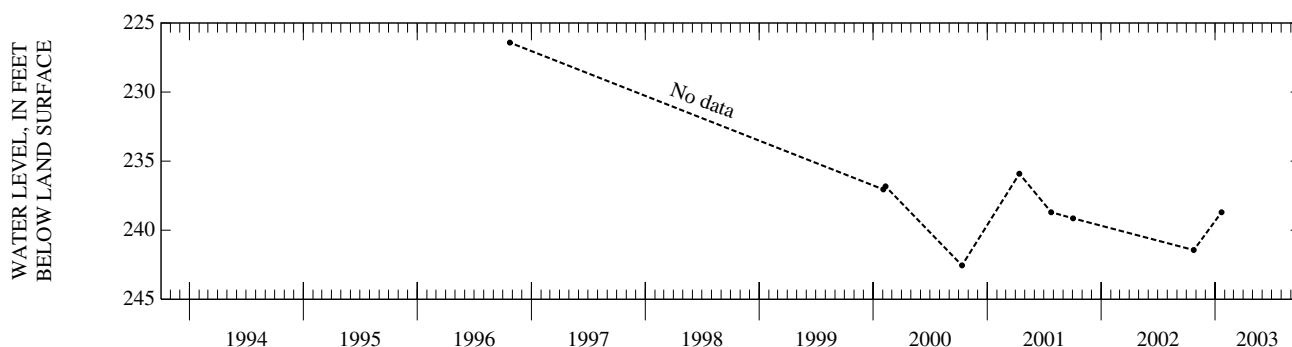
DATUM.--Elevation of land surface datum is 118 ft above NGVD of 1929. Measuring point: Top of casing, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--1969-87, 1989, 1993, 1996, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 168.40 ft below land-surface datum, Aug. 20, 1969; lowest recorded, 242.55 ft below land-surface datum, Oct. 11, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	241.44	JAN 21	238.70
WATER YEAR 2003	HIGHEST 238.70 JAN 21, 2003	LOWEST 241.44	OCT 24, 2002



LOCAL NUMBER.--Ou-444, Site ID 323100092165802.

LOCATION.--Lat 32°31'00", long 92°16'58", Hydrologic Unit 08040207, Sec. 29, T.18N, R. 2E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 670 ft, screened 660-670 ft, casing diameter 2 in.

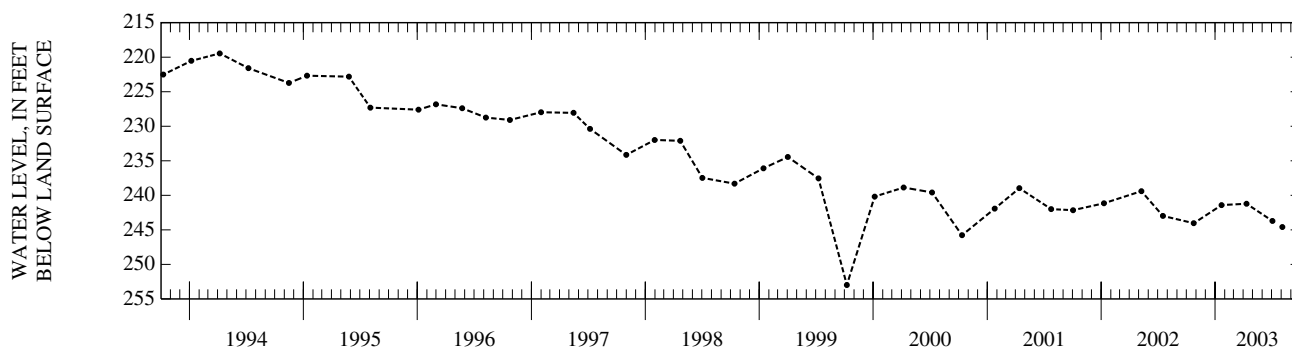
DATUM.--Elevation of land surface datum is 118 ft above NGVD of 1929. Measuring point: Top of casing, 3.6 ft above land-surface datum.

PERIOD OF RECORD.--1969-87, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 171.15 ft below land-surface datum, Aug. 20, 1969; lowest recorded, 252.99 ft below land-surface datum, Oct. 8, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	244.04	JAN 21	241.41	APR 11	241.22	JUL 03	243.71	AUG 04	244.60
WATER YEAR 2003	HIGHEST 241.22	APR 11, 2003	LOWEST 244.60	AUG 04, 2003					



OUACHITA PARISH—Continued

LOCAL NUMBER.--Ou-445, Site ID 323100092165803.

LOCATION.--Lat 32°31'00", long 92°16'58", Hydrologic Unit 08040207, Sec. 29, T.18N, R. 2E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 454 ft, screened 444-454 ft, casing diameter 2 in.

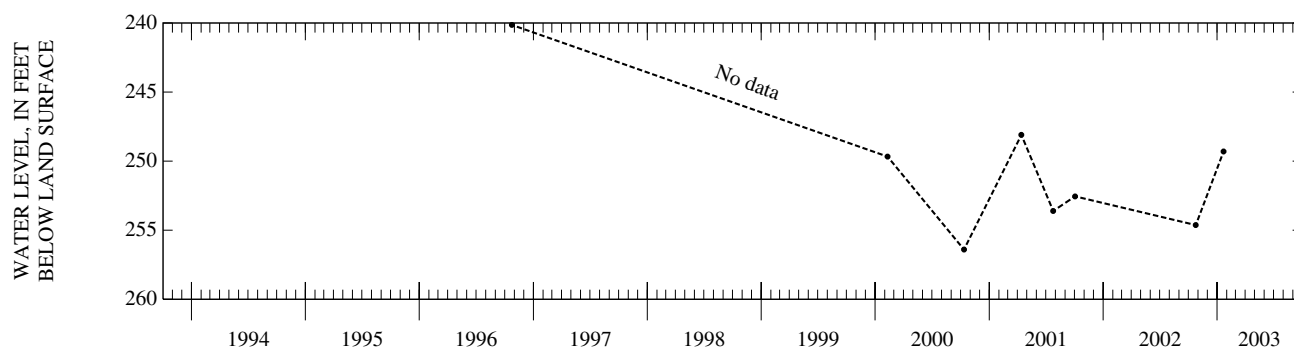
DATUM.--Elevation of land surface datum is 118 ft above NGVD of 1929. Measuring point: Top of casing, 3.66 ft above land-surface datum.

PERIOD OF RECORD.--1969-87, 1989, 1993, 1996, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 191.97 ft below land-surface datum, Apr. 13, 1970; lowest recorded, 256.40 ft below land-surface datum, Oct. 11, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	254.63	JAN 21	249.30
WATER YEAR 2003	HIGHEST 249.30 JAN 21, 2003	LOWEST 254.63	OCT 24, 2002



POINTE COUPEE PARISH

LOCAL NUMBER.--PC-39, Site ID 304939091422101.

LOCATION.--Lat 30°49'39", long 91°42'21", Hydrologic Unit 08080101, Sec. 13, T. 3S, R. 7E.

AQUIFER.--"1,500-foot" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 460 ft, screened interval unknown, casing diameter 2 in.

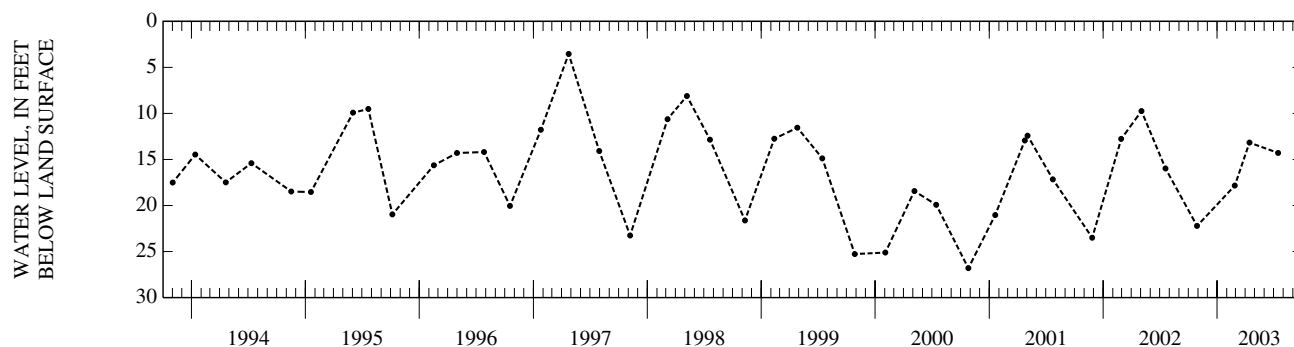
DATUM.--Elevation of land surface datum is 41 ft above NGVD of 1929. Measuring point: Top of bell reducer at casing, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--1951, 1961, 1963-64, 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.19 ft above land-surface datum, May 23, 1973; lowest recorded, 26.81 ft below land-surface datum, Oct. 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	22.22	FEB 26	17.84	APR 14	13.17	JUL 15	14.29
WATER YEAR 2003		HIGHEST	13.17	APR 14, 2003	LOWEST	22.22	OCT 28, 2002



POINTE COUPEE PARISH—Continued

LOCAL NUMBER.--PC-66, Site ID 303556091234001.

LOCATION.--Lat 30°35'56", long 91°23'40", Hydrologic Unit 08070300, Sec. 48, T. 5S, R.11E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 1,530 ft, screened 1,490-1,530 ft, casing diameter 4 in.

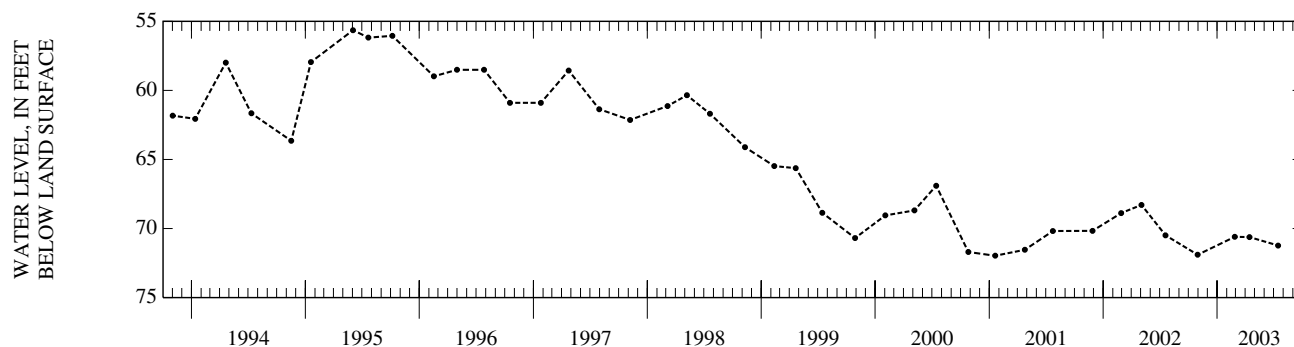
DATUM.--Elevation of land surface datum is 33 ft above NGVD of 1929. Measuring point: Hole in sanitary seal, 2.12 ft above land-surface datum.

PERIOD OF RECORD.--1961-63, 1964-71, 1988, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.10 ft above land-surface datum, Feb. 2, 1961; lowest recorded, 71.97 ft below land-surface datum, Jan. 19, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	71.90	FEB 26	70.60	APR 14	70.62	JUL 15	71.23
WATER YEAR 2003 HIGHEST 70.60 FEB 26, 2003				LOWEST 71.90 OCT 30, 2002			



POINTE COUPEE PARISH—Continued

LOCAL NUMBER.--PC-70, Site ID 303402091325501.

LOCATION.--Hydrologic Unit 08070300.

AQUIFER.--"2,400-foot" sand of Baton rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 2,294 ft, screened 2,259-2,294 ft, casing diameter 4 in.

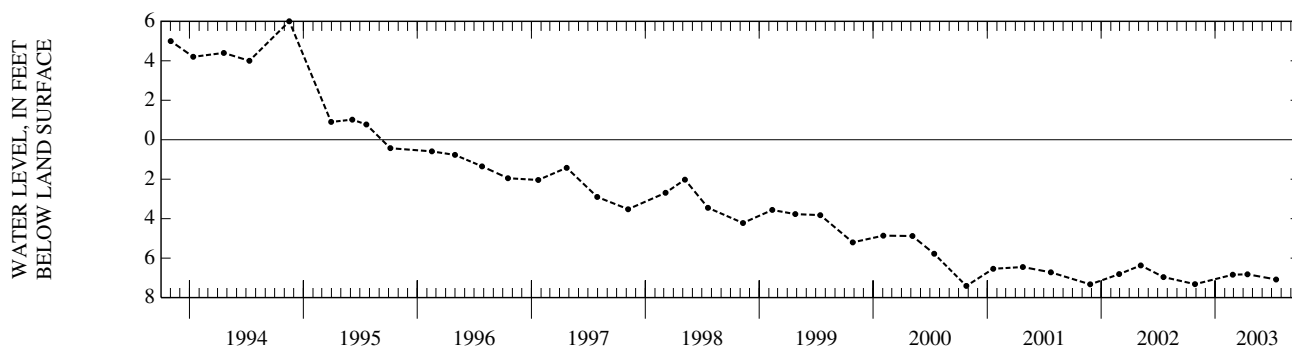
DATUM.--Elevation of land surface datum is 26 ft above NGVD of 1929. Measuring point: Edge of 2-in. hole on top of tee, 1.15 ft above land-surface datum.

PERIOD OF RECORD.--1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 73.90 ft above land-surface datum (reported), May 5, 1960; lowest recorded, 7.41 ft below land-surface datum, Oct. 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	7.32	FEB 26	6.84	APR 14	6.82	JUL 15	7.08
WATER YEAR 2003		HIGHEST	6.82	APR 14, 2003	LOWEST	7.32	OCT 28, 2002



POINTE COUPEE PARISH—Continued

LOCAL NUMBER.--PC-138, Site ID 303357091330401.

LOCATION.--Lat 30°33'57", long 91°33'04", Hydrologic Unit 08070300, Sec. 16, T. 6S, R. 9E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 1,637 ft, screened 1,617-1,637 ft, casing diameter 2 1/2 in.

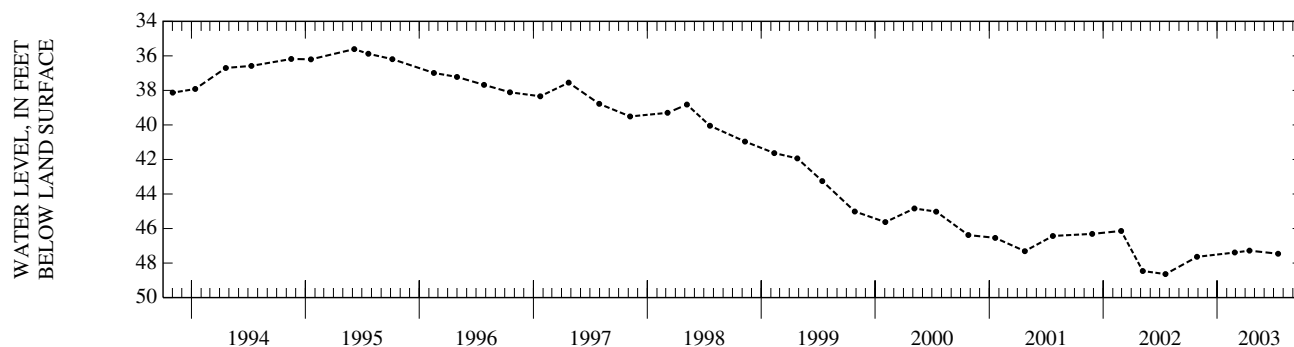
DATUM.--Elevation of land surface datum is 27 ft above NGVD of 1929. Measuring point: Top of 3-in. coupling, 0.6 ft above land-surface datum.

PERIOD OF RECORD.--1960, 1972-88, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.30 ft above land-surface datum, Apr. 1, 1960; lowest recorded, 48.64 ft below land-surface datum, July 19, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	47.64	FEB 26	47.39	APR 14	47.28	JUL 15	47.46
WATER YEAR 2003		HIGHEST	47.28	APR 14, 2003	LOWEST	47.64	OCT 28, 2002



POINTE COUPEE PARISH—Continued

LOCAL NUMBER.--PC-143, Site ID 305023091393901.

LOCATION.--Lat 30°50'21", long 91°39'37", Hydrologic Unit 08080101, Sec. 37, T. 3S, R. 8E.

AQUIFER.--"2,800-foot" sand of Baton Rouge area of Miocene age (12228BR).

WELL CHARACTERISTICS.--Depth 1,228 ft, screened 1,218-1,228 ft, casing diameter 2 in.

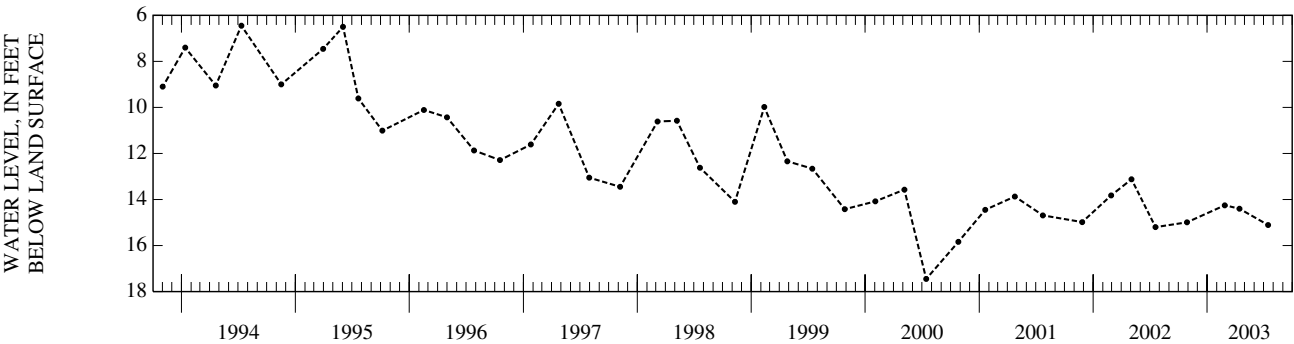
DATUM.--Elevation of land surface datum is 41 ft above NGVD of 1929. Measuring point: Top of well casing, 1.55 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 18.60 ft above land-surface datum, Apr. 17, 1968; lowest recorded, 17.45 ft below land-surface datum, July 14, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	14.99	FEB 26	14.25	APR 14	14.40	JUL 15	15.11
WATER YEAR 2003 HIGHEST		14.25	FEB 26, 2003	LOWEST	15.11	JUL 15, 2003	



POINTE COUPEE PARISH—Continued

LOCAL NUMBER.--PC-144, Site ID 305023091393902.

LOCATION.--Lat 30°50'21", long 91°39'37", Hydrologic Unit 08080101, Sec. 37, T. 3S, R. 8E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 835 ft, screened 825-835 ft, casing diameter 2 in.

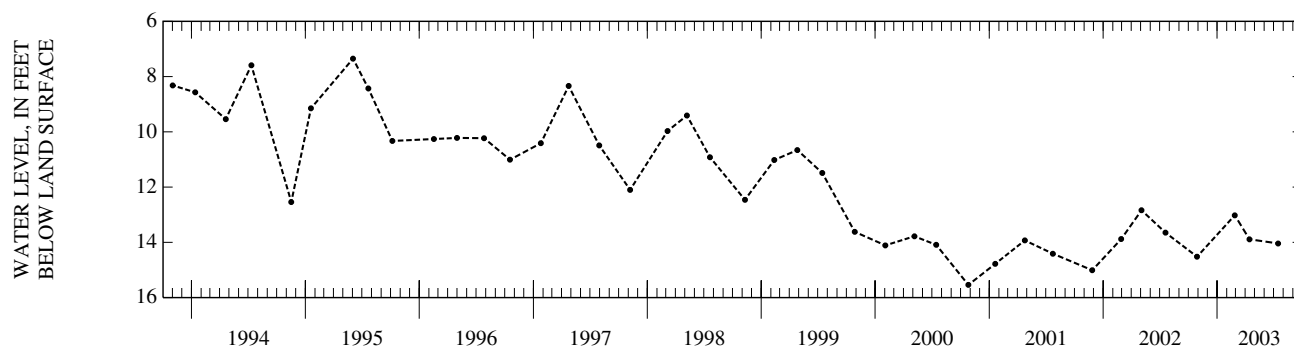
DATUM.--Elevation of land surface datum is 41 ft above NGVD of 1929. Measuring point: Top edge of well casing, 2.1 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.20 ft above land-surface datum, Apr. 17, 1968; lowest recorded, 15.54 ft below land-surface datum, Oct. 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	14.52	FEB 26	13.02	APR 14	13.89	JUL 15	14.04
WATER YEAR 2003		HIGHEST	13.02	FEB 26, 2003	LOWEST	14.52	OCT 28, 2002



POINTE COUPEE PARISH—Continued

LOCAL NUMBER.--PC-155, Site ID 303250091365001.

LOCATION.--Lat 30°32'50", long 91°36'50", Hydrologic Unit 08070300, Sec. 31, T. 6S, R. 8E.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 990 ft, screened 970-990 ft, casing diameter 4 to 2 1/2 in.

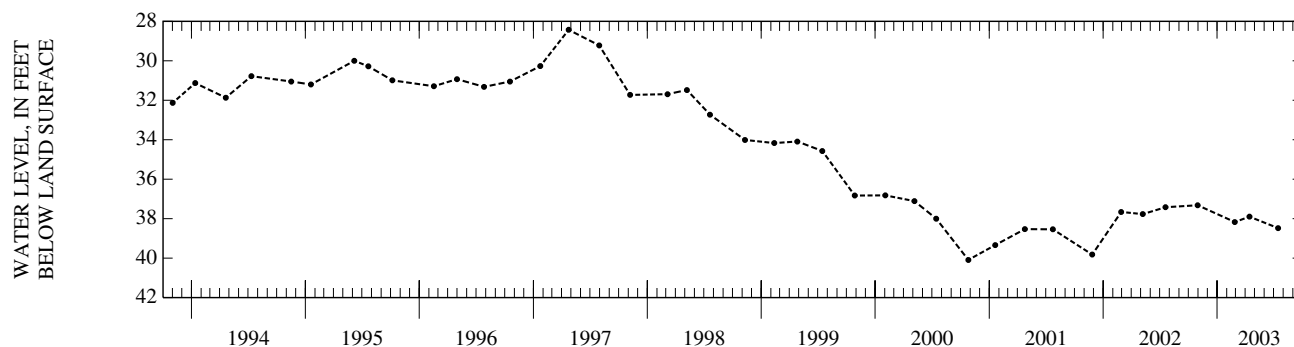
DATUM.--Elevation of land surface datum is 25 ft above NGVD of 1929. Measuring point: Hole on west side of sanitary seal, remove yellow bolt, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.20 ft below land-surface datum, Aug. 8, 1975; lowest recorded, 40.09 ft below land-surface datum, Oct. 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	37.32	FEB 26	38.17	APR 14	37.90	JUL 15	38.48
WATER YEAR 2003 HIGHEST 37.32		OCT 30, 2002		LOWEST 38.48		JUL 15, 2003	



LOCAL NUMBER.--PC-325, Site ID 303544091232501.

LOCATION.--Lat 30°35'44", long 91°23'25", Hydrologic Unit 08070300, Sec. 48, T. 5S, R. 11E.

AQUIFER.--"1,700-foot" sand of Baton Rouge area of Pliocene age (12117BR).

WELL CHARACTERISTICS.--Depth 1,252 ft, screened 1,211-1,252 ft, casing diameter 24 to 12 in.

DATUM.--Elevation of land surface datum is 30 ft above NGVD of 1929. Measuring point: 2-in. breather pipe on west side of pump with elbow and breather head removed, 3.8 ft above land-surface datum.

PERIOD OF RECORD.--1997, current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 60.00 ft below land-surface datum (reported), Oct. 17, 1997; lowest recorded, 63.56 ft below land-surface datum, Apr. 17, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	63.56	JUL 15	61.89
WATER YEAR 2003 HIGHEST 61.89		JUL 15, 2003	
LOWEST 63.56		APR 17, 2003	

RAPIDES PARISH

LOCAL NUMBER.--R-18, Site ID 311727092270901.

LOCATION.--Lat 31°17'27", long 92°27'09", Hydrologic Unit 08080102, Sec. 7, T. 4N, R. 1W.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 406 ft, screened interval unknown, casing diameter 12 in.

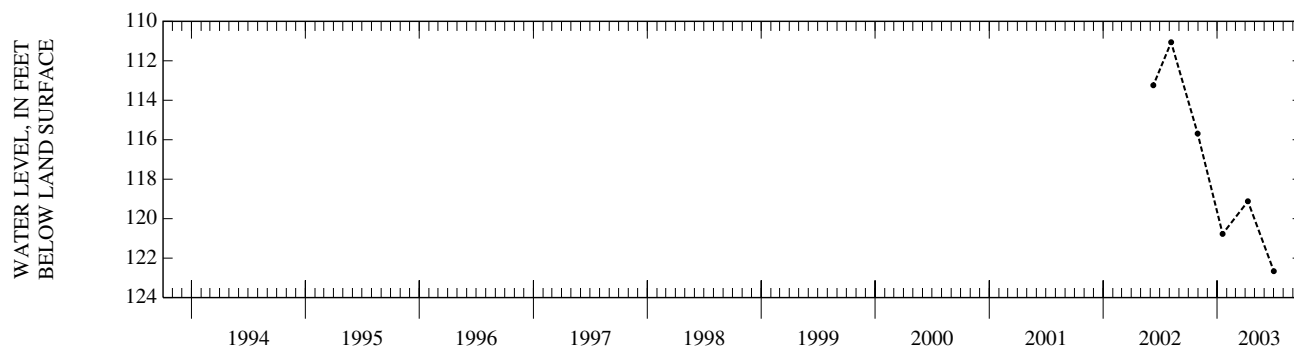
DATUM.--Elevation of land surface datum is 78.53 ft above NGVD of 1929. Measuring point: Top of 1 1/4-in. nipple on welded plate, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--1939, 1954-87, 1989, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 69.73 ft below land-surface datum, Apr. 29, 1960; lowest recorded, 179.75 ft below land-surface datum, Oct. 21, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	115.69	JAN 18	120.77	APR 09	119.12	JUL 01	122.66
WATER YEAR 2003 HIGHEST 115.69 OCT 30, 2002		LOWEST 122.66 JULY 1, 2003					



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-425, Site ID 312026092322101.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 462 ft, screened 390-462 ft, casing diameter 12 to 8 in.

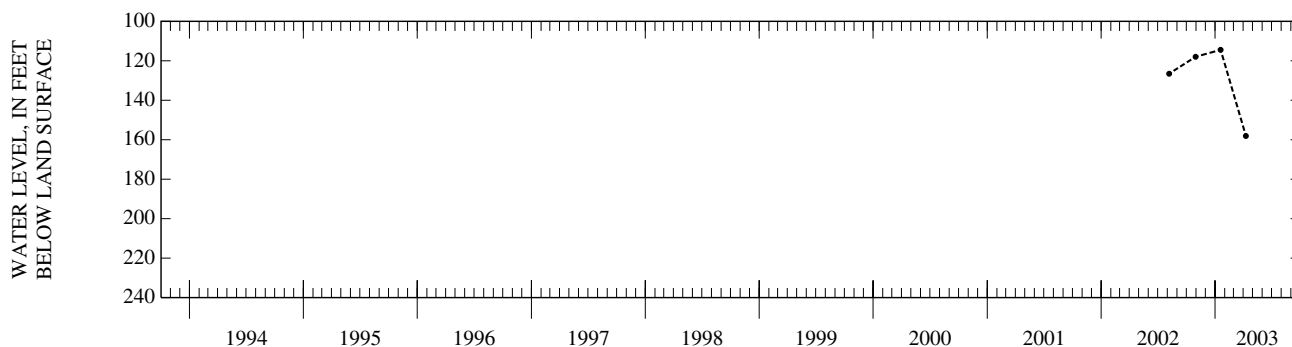
DATUM.--Elevation of land surface datum is 80.60 ft above NGVD of 1929. Measuring point: Bottom lip of 2-in. nipple on north side of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1972-77, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 114.45 ft below land-surface datum, Jan. 18, 2003; lowest recorded, 179.80 ft below land-surface datum, July 30, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	117.95	JAN 18	114.45	APR 09	158.07
WATER YEAR 2003 HIGHEST 114.45 JAN 18, 2003 LOWEST 117.95 OCT 30, 2002					



LOCAL NUMBER.--R-612, Site ID 312028092304801.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 577 ft, screened 537-577 ft, casing diameter 16 to 10 in.

DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: Top of 2-in. nipple in plate on top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1956, 1962, 1975-77, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 100.50 ft below land-surface datum (reported), June 15, 1956; lowest recorded, 233.77 ft below land-surface datum, Jan. 16, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL
APR 09	231.95

RAPIDES PARISH—Continued

LOCAL NUMBER.--R-723, Site ID 311836092262701.

LOCATION.--Lat 31°18'36", long 92°26'27", Hydrologic Unit 08080102, Sec. 7, T. 4N, R. 1W.

AQUIFER.--Red River alluvial aquifer of Pleistocene age (112RRVA).

WELL CHARACTERISTICS.--Depth 73 ft, screened 70-73 ft, casing diameter 1 1/4 in.

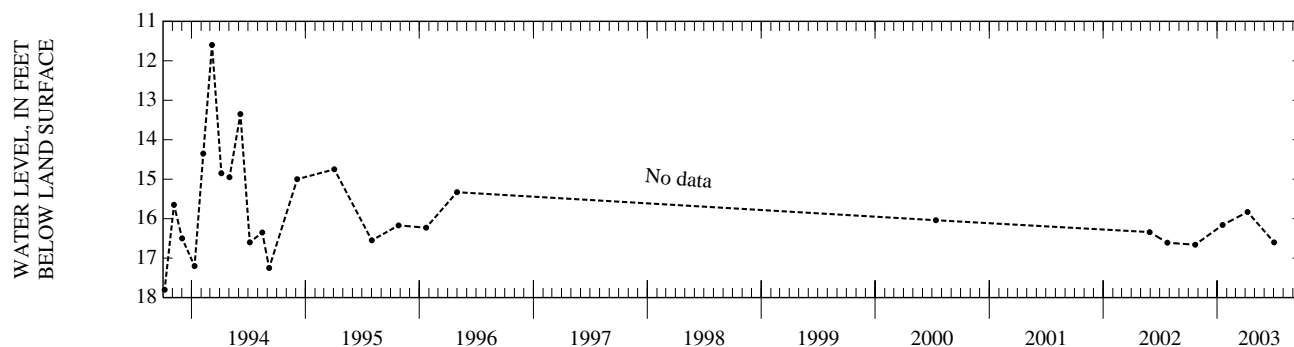
DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: File marks on top of 1 1/4-in. casing, 3.95 ft above land-surface datum.

PERIOD OF RECORD.--1958-96, 2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.13 ft above land-surface datum, May 12, 1958; lowest recorded, 39.02 ft below land-surface datum, Oct. 23, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	16.66	JAN 18	16.16	APR 08	15.83	JUL 02	16.60
WATER YEAR 2003		HIGHEST	15.83	APR 08, 2003	LOWEST	16.66	OCT 22, 2002



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-837, Site ID 311749092300001.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 1,025 ft, screened 950-1,025 ft, casing diameter 24 to 14 to 7 in.

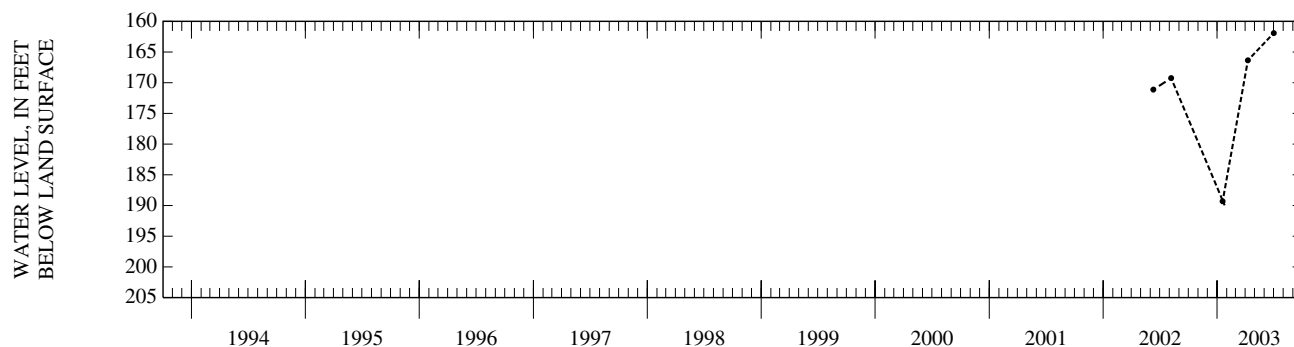
DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: Edge of black plastic pipe, 3.1 ft above land-surface datum.

PERIOD OF RECORD.--1972, 1975-76, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 161.91 ft below land-surface datum, July 1, 2003; lowest recorded, 258.40 ft below land-surface datum, Aug. 6, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	189.32	APR 09	166.35	JUL 01	161.91
WATER YEAR 2003 HIGHEST 161.91 JUL 01, 2003 LOWEST 166.35 APR 09, 2003					



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-847, Site ID 310740092380201.

LOCATION.--Lat 31°07'40", long 92°38'02", Hydrologic Unit 08080102, Sec. 24, T. 2N, R. 3W.

AQUIFER.--Upland Terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 105 ft, screened 95-105 ft, casing diameter 4 to 2 in.

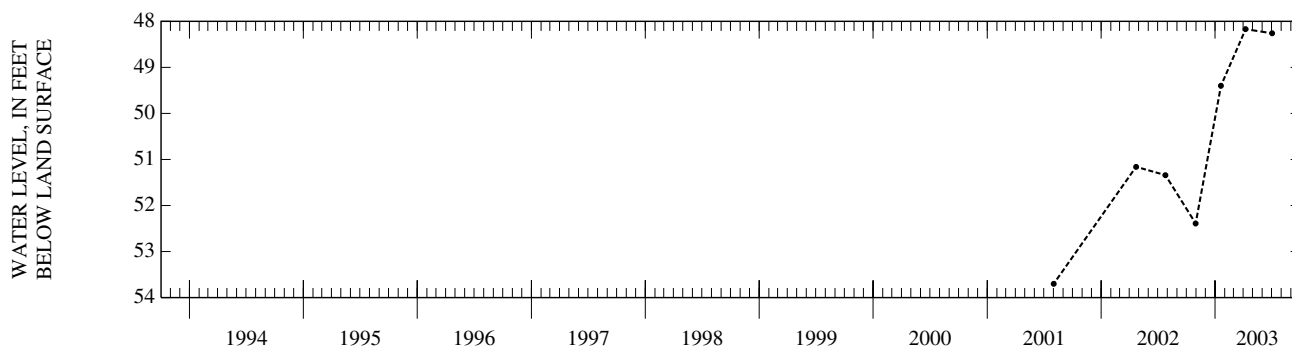
DATUM.--Elevation of land surface datum is 192.90 ft above NGVD of 1929. Measuring point: File marks on top of bushing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1966-87, 1990, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 37.57 ft below land-surface datum, May 15, 1968, May 20, 1968; lowest recorded, 61.25 ft below land-surface datum, Apr. 9, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	52.39	JAN 19	49.40	APR 08	48.17	JUL 02	48.26
WATER YEAR 2003 HIGHEST		48.17	APR 08, 2003	LOWEST		52.39	OCT 30, 2002



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-849, Site ID 310612092355301.

LOCATION.--Lat 31°06'12", long 92°35'53", Hydrologic Unit 08080102, Sec. 32, T. 2N, R. 2W.

AQUIFER.--Upland Terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 105 ft, screened 95-105 ft, casing diameter 4 to 1 ½ in.

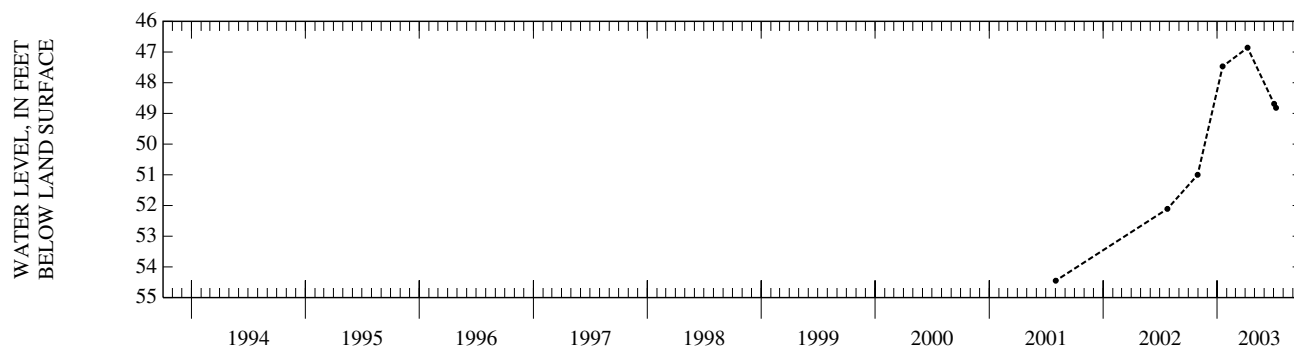
DATUM.--Elevation of land surface datum is 193.09 ft above NGVD of 1929. Measuring point: File marks on top of bushing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1966-87, 1990, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 42.10 ft above land-surface datum, May 10, 1968; lowest recorded, 56.14 ft below land-surface datum, Nov. 10, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	51.00	JAN 18	47.47	APR 08	46.86	JUL 02	48.69	JUL 08	48.82
WATER YEAR 2003 HIGHEST 46.86 APR 08, 2003 LOWEST 51.00 OCT 30, 2002									



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-851, Site ID 310928092421401.

LOCATION.--Lat 31°09'28", long 92°42'14", Hydrologic Unit 08080102, Sec. 8, T. 2N, R. 3W.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 131 ft, screened 128-131 ft, casing diameter 1 1/4 in.

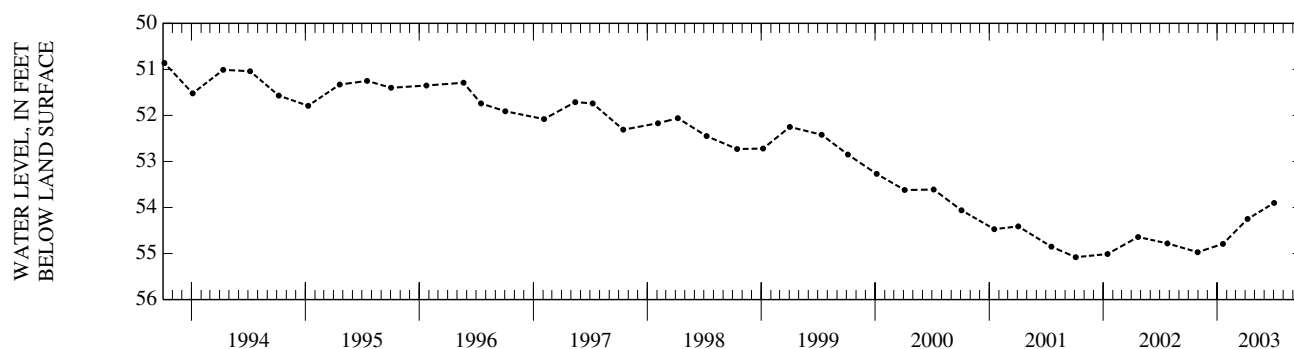
DATUM.--Elevation of land surface datum is 220.55 ft above NGVD of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1966-86, 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 50.44 ft below land-surface datum, July 9, 1993; lowest recorded, 56.79 ft below land-surface datum, Apr. 6, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	54.97	JAN 19	54.79	APR 08	54.25	JUL 02	53.90
WATER YEAR 2003 HIGHEST		53.90	JUL 02, 2003	LOWEST		54.97	OCT 30, 2002



LOCAL NUMBER.--R-875, Site 311537092263701.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 504 ft, screened 423-473 ft and 494-504 ft, casing diameter 12 to 8 in.

DATUM.--Elevation of land surface datum is 82 ft above NGVD of 1929. Measuring point: Top of 1 1/2-in. pipe on west side of well, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--1967, 1972-73, 1975-77, 1989, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 82.30 above land-surface datum, Nov. 13, 1989; lowest recorded, 141.80 ft below land-surface datum, June 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	142.30	APR 09	116.42
WATER YEAR 2003 HIGHEST		116.42	APR 09, 2003
LOWEST		142.30	JAN 18, 2003

RAPIDES PARISH—Continued

LOCAL NUMBER.--R-879, Site ID 312409092520901.

LOCATION.--Lat 31°24'09", long 92°52'09", Hydrologic Unit 08080203, Sec. 22, T. 5N, R. 5W.

AQUIFER.--Catahoula aquifer of Miocene age (122CTHL).

WELL CHARACTERISTICS.--Depth 810 ft, screened 800-810 ft, casing diameter 2 in.

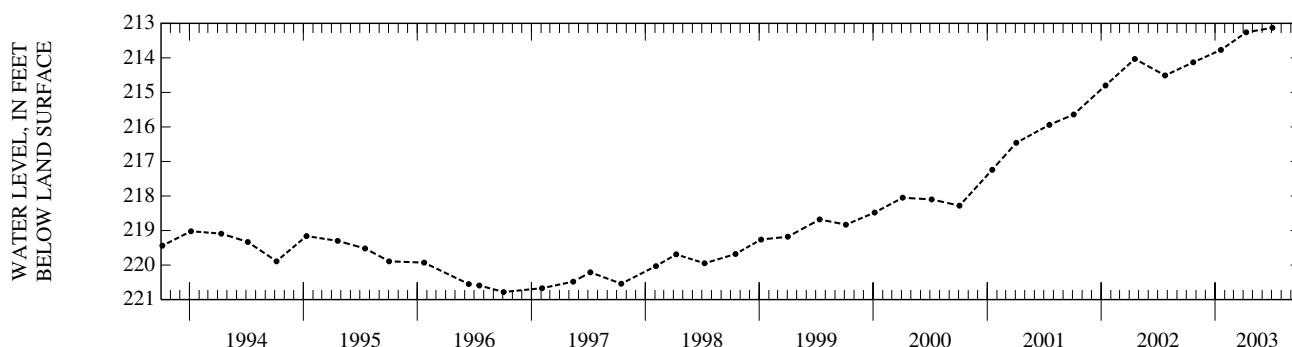
DATUM.--Elevation of land surface datum is 300 ft above NGVD of 1929. Measuring point: Top of casing, 3.9 ft above land-surface datum.

PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 209.43 ft below land-surface datum, Apr. 8, 1969; lowest recorded, 220.78 ft below land-surface datum, Oct. 3, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	214.13	JAN 19	213.77	APR 10	213.26	JUL 03	213.13
WATER YEAR 2003 HIGHEST		213.13	JUL 03, 2003	LOWEST		214.13	OCT 22, 2002



LOCAL NUMBER.--R-906, Site ID 310810092364301.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Upland Terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 135 ft, screened 109-135 ft, casing diameter 18 to 12 in.

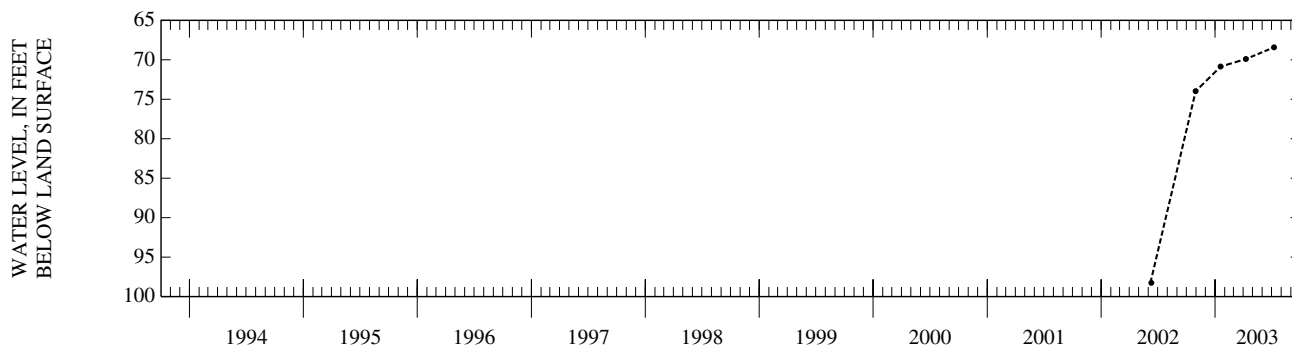
DATUM.--Elevation of land surface datum is 210 ft above NGVD of 1929. Measuring point: Bottom edge of 1 1/2-in. breather pipe on south side of well, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--1967-80, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 56.92 ft below land-surface datum, Apr. 26, 1968; lowest recorded, 77.06 ft below land-surface datum, June 9, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	73.98	JAN 18	70.86	APR 09	69.90	JUL 08	68.42
WATER YEAR 2003 HIGHEST		69.90	APR 09, 2003	LOWEST		70.86	JAN 18, 2003



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-930, Site ID 310609092355703.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Evangeline aquifer of Pleistocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 225 ft, screened 183-225 ft, casing diameter 18 to 12 in.

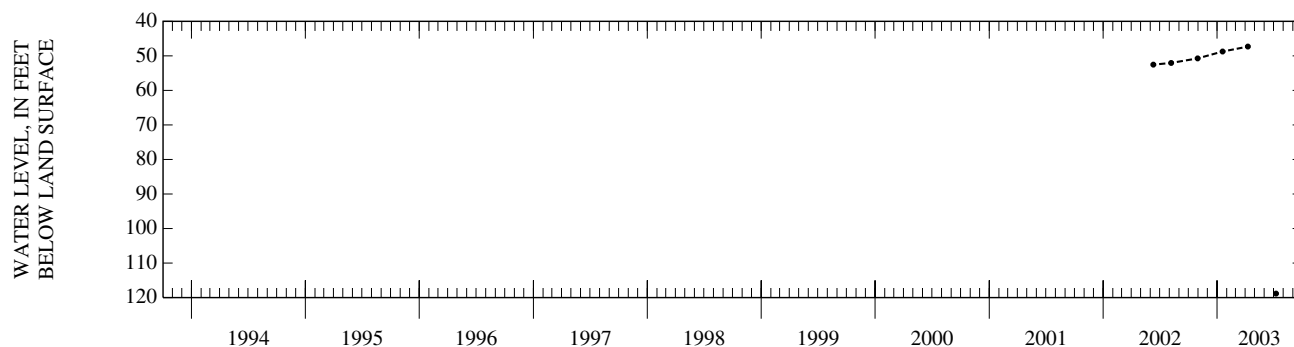
DATUM.--Elevation of land surface datum is 195 ft above NGVD of 1929. Measuring point: Bottom edge of 1 1/2-in. pipe on south side of well, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--1967-80, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.84 ft above land-surface datum, June 18, 1975; lowest recorded, 120.95 ft below land-surface datum, Aug. 24, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	50.73	JAN 18	48.74	APR 09	47.32
WATER YEAR 2003 HIGHEST 47.32 APR 09, 2003 LOWEST 50.73 OCT 30, 2002					



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1035, Site ID 310806092351801.

LOCATION.--Lat 31°08'06", long 92°35'18", Hydrologic Unit 08080102, Sec. 20, T. 2N, R. 2W.

AQUIFER.--Upland Terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 127 ft, screened 124-127 ft, casing diameter 1 $\frac{1}{4}$ in.

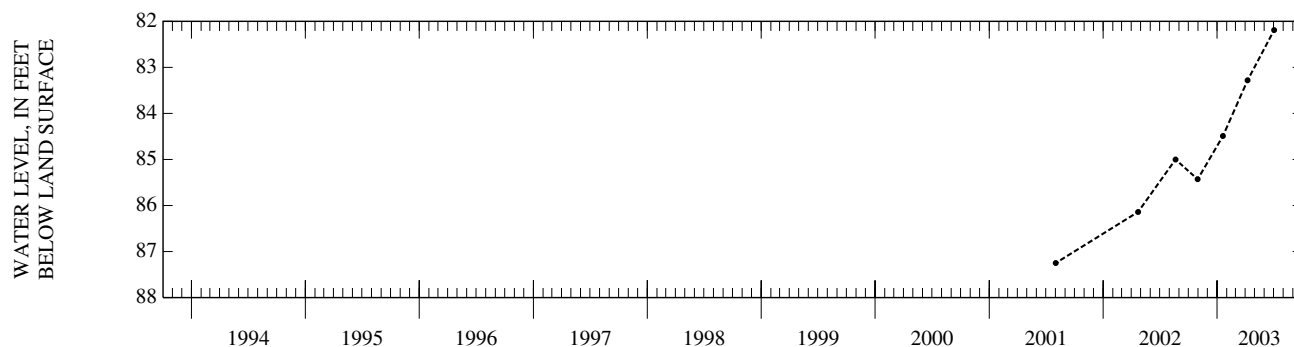
DATUM.--Elevation of land surface datum is 230 ft above NGVD of 1929. Measuring point: File marks on top of 1 $\frac{1}{4}$ -in. casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--1973-87, 1990, 1992, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 73.63 ft below land-surface datum, Nov. 10, 1977 ; lowest recorded, 87.25 ft below land-surface datum, Aug. 1, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	85.43	JAN 19	84.49	APR 08	83.28	JUL 02	82.19
WATER YEAR 2003 HIGHEST 82.19		JUL 02, 2003 LOWEST 85.43		OCT 30, 2002			



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1056, Site ID 311159092441001.

LOCATION.--Lat 31°11'59", long 92°44'10", Hydrologic Unit 08080102, Sec. 36, T. 3N, R. 4W.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 1,555 ft, screened 1,545-1,555 ft, casing diameter 2 in.

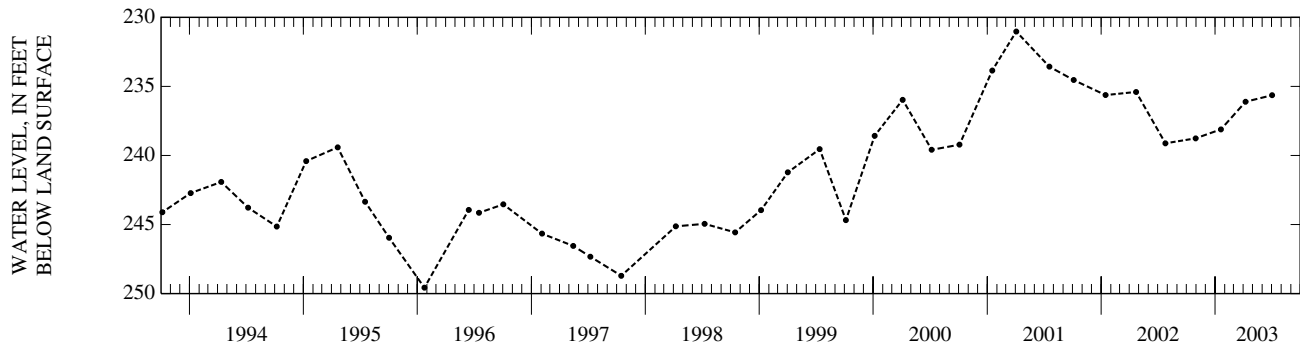
DATUM.--Elevation of land surface datum is 240 ft above NGVD of 1929. Measuring point: Top of bushing, 0.55 ft below land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 157.97 ft below land-surface datum, May 9, 1977; lowest recorded, 249.57 ft below land-surface datum, Jan. 23, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	238.76	JAN 19	238.11	APR 08	236.11	JUL 02	235.64
WATER YEAR 2003 HIGHEST		235.64	JUL 02, 2003	LOWEST		238.76	OCT 30, 2002



LOCAL NUMBER.--R-1085B, Site ID 310541092293601.

LOCATION.--Lat 31°05'41", long 92°29'36", Hydrologic Unit 08080102, Sec. 5, T. 1N, R. 1W.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 500 ft, screened 490-500 ft, casing diameter 2 in.

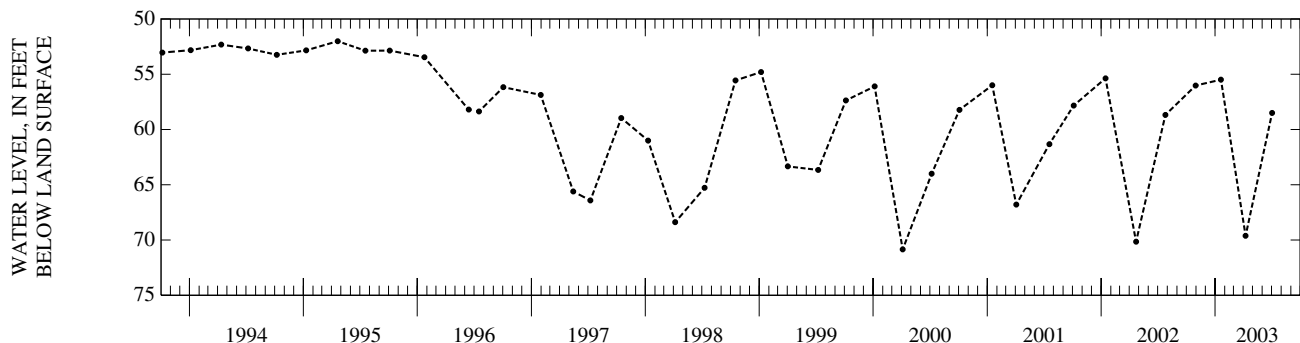
DATUM.--Elevation of land surface datum is 100 ft above NGVD of 1929. Measuring point: Top of casing, 0.45 ft below land-surface datum.

PERIOD OF RECORD.--1975-84, 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.60 ft below land-surface datum, May 20, 1975; lowest recorded, 70.85 ft below land-surface datum, Apr. 4, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	56.02	JAN 19	55.49	APR 08	69.62	JUL 02	58.50
WATER YEAR 2003 HIGHEST		55.49	JAN 19, 2003	LOWEST		69.62	APR 08, 2003



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1193, Site ID 310824092490003.

LOCATION.--Hydrologic Unit 08080203.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 571 ft, screened 551-571 ft, casing diameter 6 to 3 in.

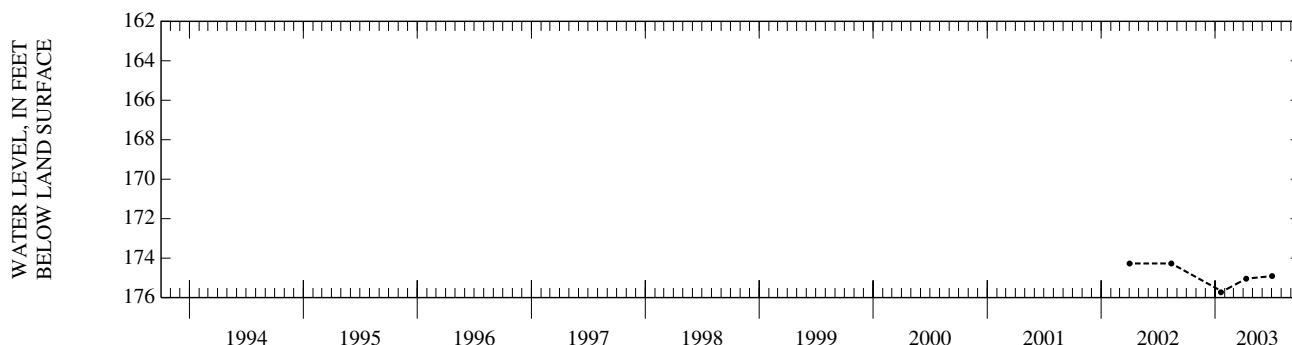
DATUM.--Elevation of land surface datum is 207 ft above NGVD of 1929. Measuring point: 3/4-in. hole in top plate covering casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1980, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 90.00 ft below land-surface datum, June 16, 1980; lowest recorded, 175.73 ft below land-surface datum, Jan. 19, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	175.73	APR 10	175.04	JUL 02	174.91
WATER YEAR 2003 HIGHEST 163.42 NOV 04, 2002 LOWEST 175.73 JAN 19, 2003					



LOCAL NUMBER.--R-1202, Site ID 311736092271203.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 1,190 ft, screened 1,153-1,190 ft, casing diameter 12 3/4 to 8 5/8 in.

DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: Top of access pipe, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1982, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 282.97 ft below land-surface datum, Apr. 9, 2003; lowest recorded, 282.97 ft below land-surface datum, Apr. 9, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL
APR 09	282.97

RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1203, Site ID 311612092270606.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 990 ft, screened 937-990 ft, casing diameter 12 3/4 to 8 5/8 in.

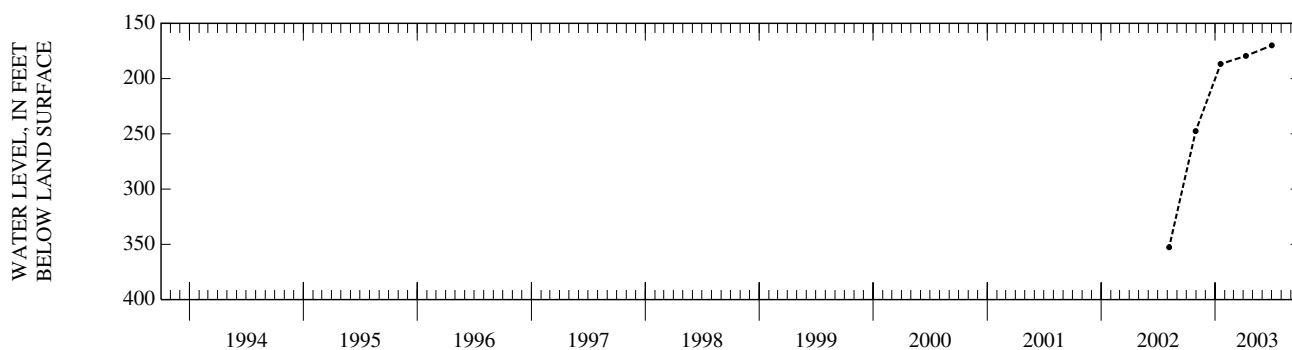
DATUM.--Elevation of land surface datum is 75 ft above NGVD of 1929. Measuring point: Collar on top of plate covering casing, 2.35 ft above land-surface datum.

PERIOD OF RECORD.--1982, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 152.00 ft below land-surface datum (reported), Mar. 17, 1982; lowest recorded, 152.00 ft below land-surface datum, Mar. 17, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	247.59	JAN 18	186.78	APR 09	179.49	JUL 01	169.96
WATER YEAR 2003 HIGHEST 169.96 JUL 01, 2003				LOWEST 179.49 APR 09, 2003			



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1207, Site ID 310007092431601.

LOCATION.--Lat 31°00'07", long 92°43'16", Hydrologic Unit 08080203, Sec. 1, T. 1S, R. 4W.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 2,772 ft, screened 2,752-2,772 ft, casing diameter 4 to 2 in.

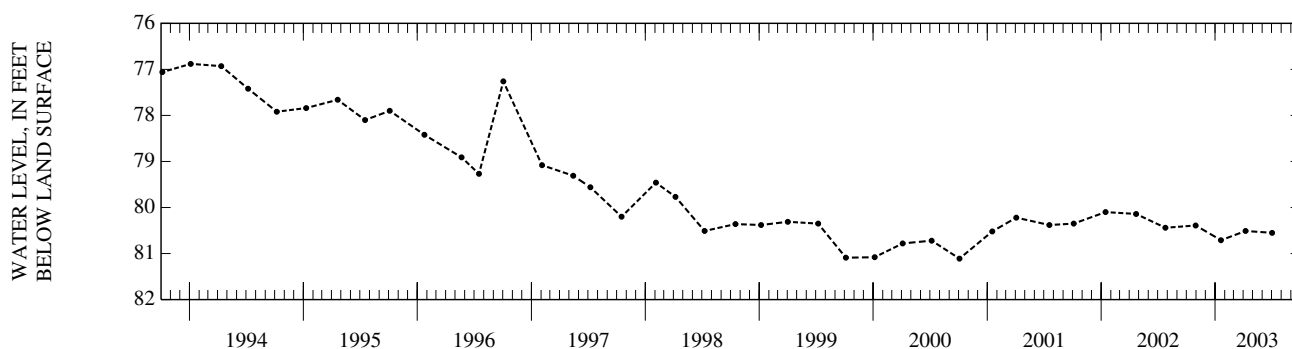
DATUM.--Elevation of land surface datum is 180 ft above NGVD of 1929. Measuring point: Top of bushing, 4.2 ft above land-surface datum.

PERIOD OF RECORD.--1981-87, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 56.10 ft below land-surface datum (reported), Dec. 1, 1981; lowest recorded, 81.11 ft below land-surface datum, Oct. 3, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	80.39	JAN 19	80.71	APR 08	80.51	JUL 02	80.55
WATER YEAR 2003 HIGHEST 80.39 OCT 30, 2002		LOWEST 80.71 JAN 19, 2003					



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1208, Site ID 310007092431602.

LOCATION.--Lat 31°00'07", long 92°43'16", Hydrologic Unit 08080203, Sec. 1, T. 1S, R. 4W.

AQUIFER.--Chicot aquifer of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 117 ft, screened 92-117 ft, casing diameter 4 in.

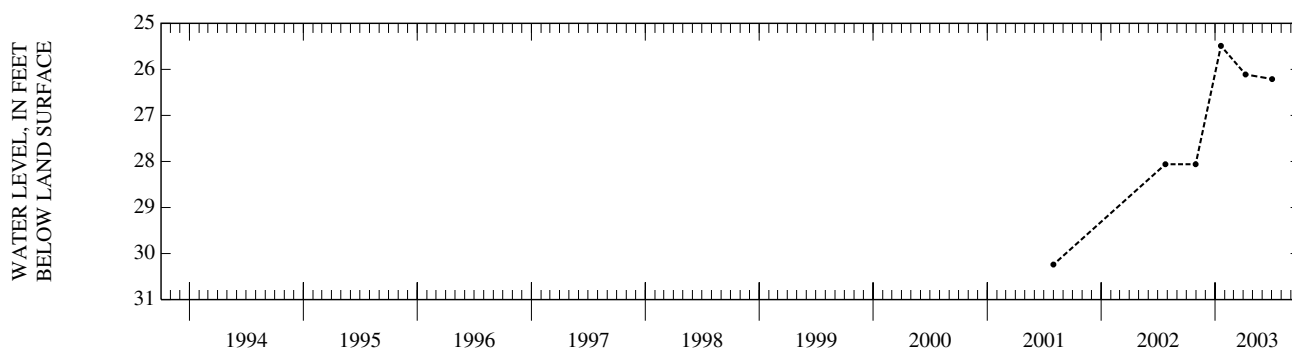
DATUM.--Elevation of land surface datum is 180 ft above NGVD of 1929. Measuring point: File marks on top of casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1981-87, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 25.49 ft below land-surface datum, Jan. 19, 2003; lowest recorded, 32.41 ft below land-surface datum, Nov. 26, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	28.06	JAN 19	25.49	APR 08	26.11	JUL 02	26.21
WATER YEAR 2003 HIGHEST 25.49 JAN 19, 2003 LOWEST 28.06 OCT 30, 2002							



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1299, Site ID 312450092285301.

LOCATION.--Hydrologic Unit 11140207.

AQUIFER.--Catahoula aquifer of Miocene age (122CTHL).

WELL CHARACTERISTICS.--Depth 1,060 ft, screened 985-1,015ft and 1,040-1,060 ft, casing diameter 12 to 8 in.

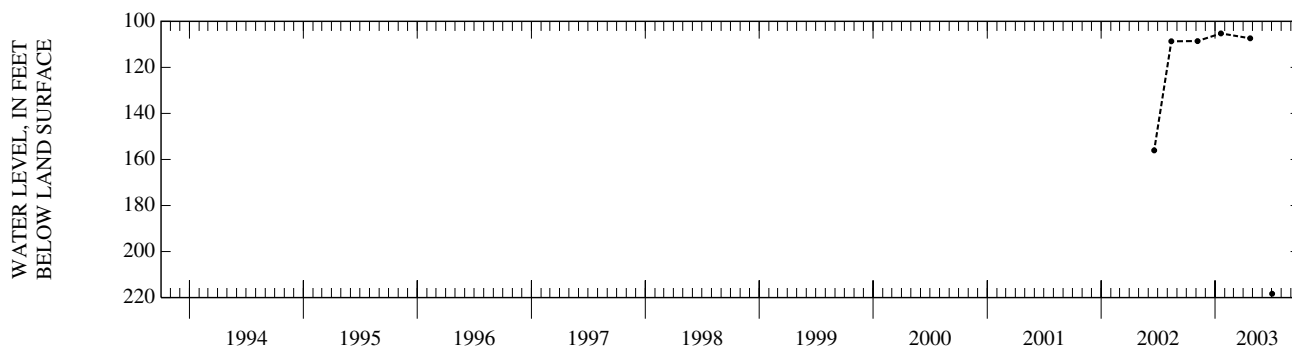
DATUM.--Elevation of land surface datum is 160 ft above NGVD of 1929. Measuring point: Top of breather pipe on south side of well, 2.1 ft above land-surface datum.

PERIOD OF RECORD.--1986, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 84.00 ft below land-surface datum (reported), Jan. 14, 1986; lowest recorded, 156.07 ft below land-surface datum, June 19, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 05	108.56	JAN 19	105.26	APR 23	107.38
WATER YEAR 2003 HIGHEST 105.26 JAN 19, 2003 LOWEST 108.56 NOV 05, 2002					



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1307, Site ID 312038092192601.

LOCATION.--Hydrologic Unit 08040301.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 803 ft, screened 768-803 ft, casing diameter 20 to 12 3/4 to 8 5/8 in.

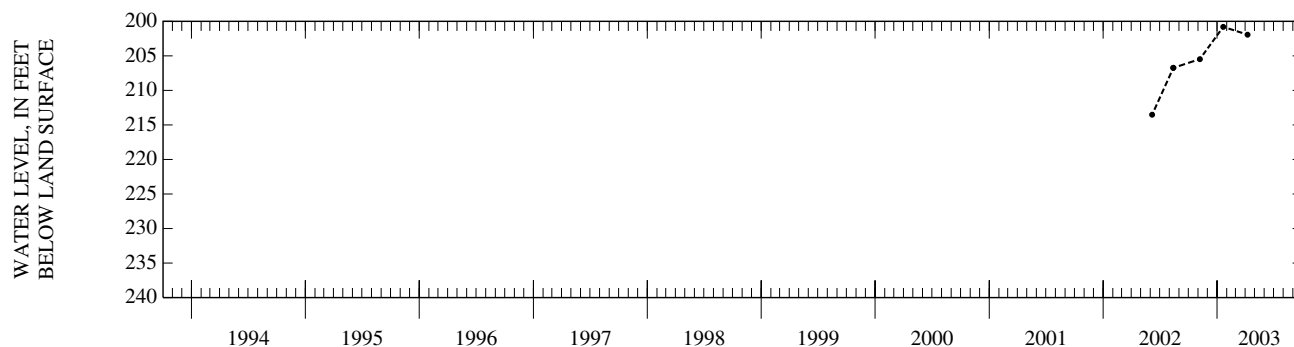
DATUM.--Elevation of land surface datum is 140 ft above NGVD of 1929. Measuring point: Bottom edge of access pipe on north side of well, 1.45 ft above land-surface datum.

PERIOD OF RECORD.--1986, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 180.00 ft below land-surface datum (reported), Aug. 11, 1986; lowest recorded, 213.53 ft below land-surface datum, June 6, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06	205.47	JAN 20	200.80	APR 08	201.93
WATER YEAR 2003 HIGHEST 200.80 JAN 20, 2003 LOWEST 201.93 APR 08, 2003					



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1310, Site ID 312030092534701.

LOCATION.--Hydrologic Unit 08080203.

AQUIFER.--Catahoula aquifer of Miocene age (122CTHL).

WELL CHARACTERISTICS.--Depth 535 ft, screened 505-535 ft, casing diameter 8 5/8 to 6 in.

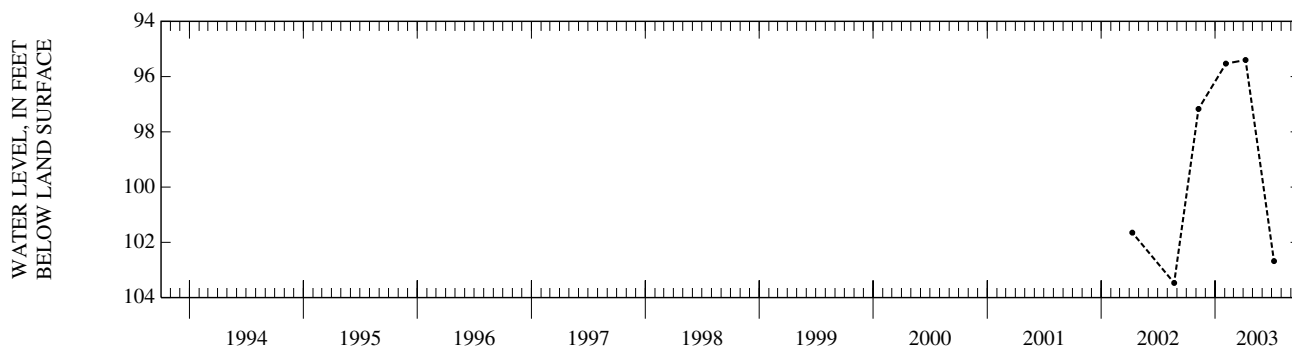
DATUM.--Elevation of land surface datum is 210 ft above NGVD of 1929. Measuring point: Top of 2-in. access pipe on west side under pump, 1.42 ft above land-surface datum.

PERIOD OF RECORD.--1987, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 70.00 ft below land-surface datum (reported), Apr. 2, 1987; lowest recorded, 103.47 ft below land-surface datum, Aug. 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	97.17	FEB 04	95.53	APR 08	95.40	JUL 08	102.68
WATER YEAR 2003 HIGHEST 95.40		APR 08, 2003 LOWEST 97.17		NOV 08, 2002			



RAPIDES PARISH—Continued

LOCAL NUMBER.--R-1431, Site ID 310814092364401.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 528 ft, screened 460-524 ft, casing diameter 14 in.

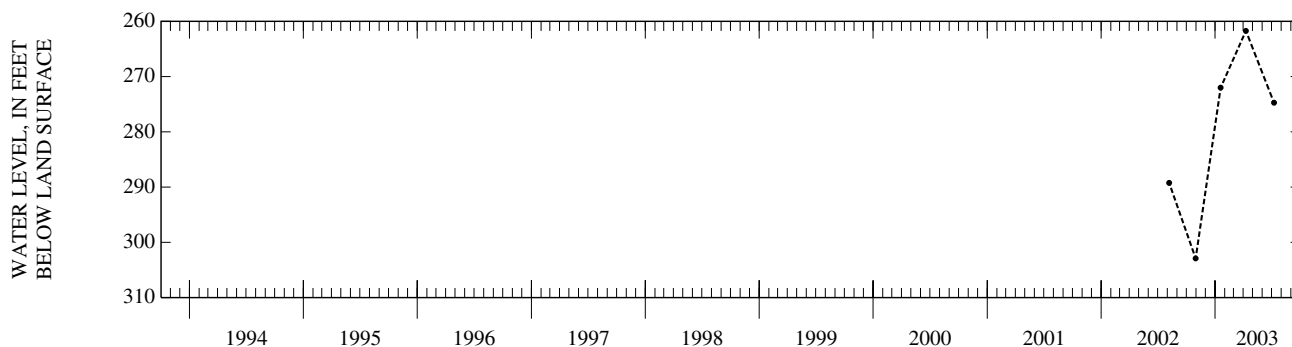
DATUM.--Elevation of land surface datum is 205 ft above NGVD of 1929. Measuring point: Bottom edge of 1 1/2-in. breather pipe on south side of well, 1.9 ft below land-surface datum.

PERIOD OF RECORD.--2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 261.72 ft below land-surface datum, Apr. 9, 2003; lowest recorded, 302.91 ft below land-surface datum, Oct. 30, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	302.91	JAN 18	272.02	APR 09	261.72	JUL 08	274.73
WATER YEAR 2003		HIGHEST	261.72	APR 09, 2003	LOWEST	302.91	OCT 30, 2002



RED RIVER PARISH

LOCAL NUMBER.--RR-210, Site ID 315743093204601.

LOCATION.--Lat 31°57'43", long 93°20'46", Hydrologic Unit 11140206, Sec. 1, T.11N, R.10W.

AQUIFER.--Red River alluvial aquifer of Pleistocene age (112RRVA).

WELL CHARACTERISTICS.--Depth 56 ft, screened 53-56 ft, casing diameter 3 in.

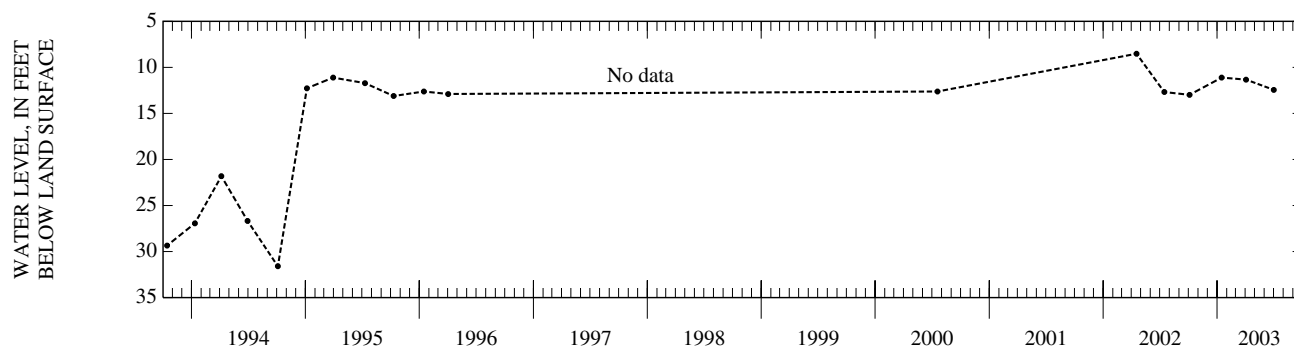
DATUM.--Elevation of land surface datum is 133.48 ft above NGVD of 1929. Measuring point: File marks in top of bushing, 3.8 ft above land-surface datum.

PERIOD OF RECORD.--1971-96, 2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.62 ft below land-surface datum, May 23, 1990; lowest recorded, 33.23 ft below land-surface datum, May 9, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	12.98	JAN 15	11.11	APR 03	11.33	JUL 01	12.44
WATER YEAR 2003		HIGHEST	11.11	JAN 15, 2003	LOWEST	12.98	OCT 04, 2002



RED RIVER PARISH—Continued

LOCAL NUMBER.--RR-274, Site ID 321010093143901.

LOCATION.--Lat 32°10'10", long 93°14'39", Hydrologic Unit 11140209, Sec. 25, T.14N, R. 9W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 206 ft, screened 196-206 ft, casing diameter 2 in.

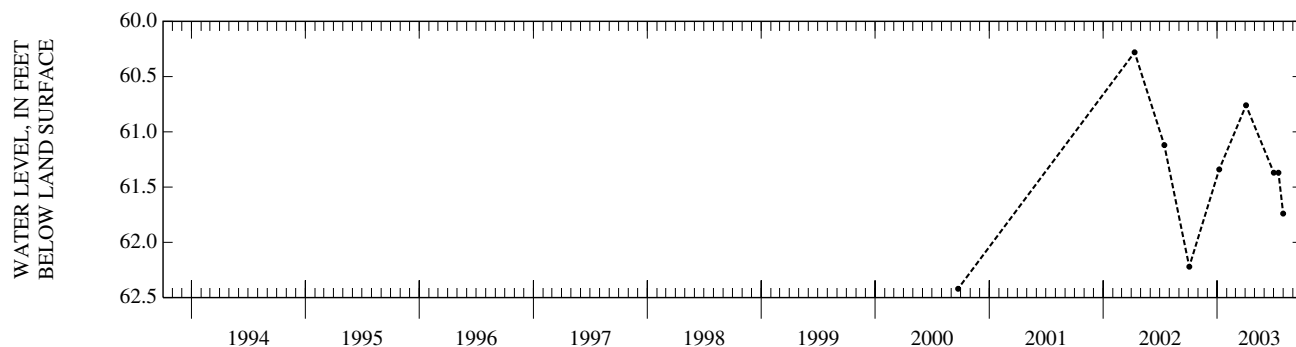
DATUM.--Elevation of land surface datum is 235 ft above NGVD of 1929. Measuring point: File marks on top of 2-in. casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--1979-87, 2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 58.04 ft below land-surface datum, May 15, 1980; lowest recorded, 62.42 ft below land-surface datum, Sept. 22, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	62.22	JAN 07	61.34	APR 03	60.76	JUL 01	61.37	JUL 16	61.37	JUL 31	61.74
WATER YEAR 2003 HIGHEST 60.76 APR 03, 2003 LOWEST 62.22 OCT 03, 2002											



RED RIVER PARISH—Continued

LOCAL NUMBER.--RR-276, Site ID 321010093143902.

LOCATION.--Lat 32°10'10", long 93°14'39", Hydrologic Unit 11140209, Sec. 25, T.14N, R. 9W.

AQUIFER.--Upland Terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 42 ft, screened 39-42 ft, casing diameter 1 1/4 in.

DATUM.--Elevation of land surface datum is 235 ft above NGVD of 1929. Measuring point: File marks on top of 1 1/4-in. casing, 3.5 ft above land-surface datum.

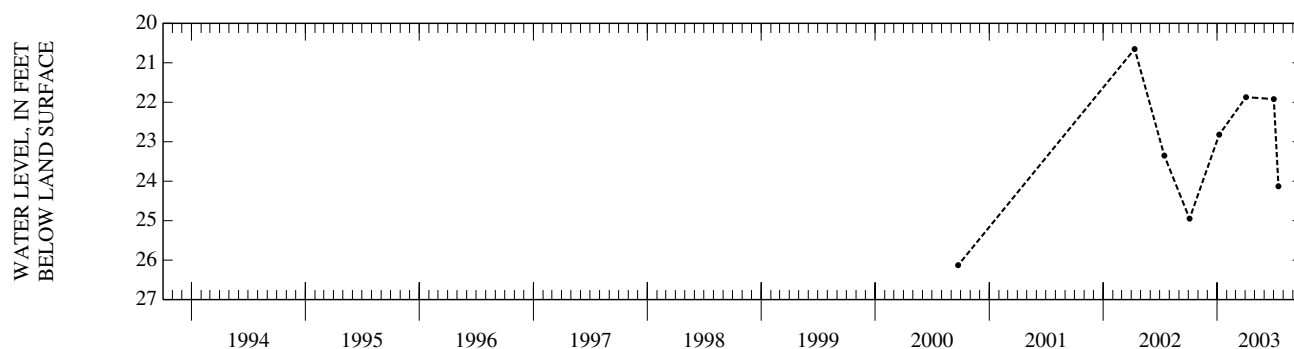
PERIOD OF RECORD.--1980-87, 2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 20.65 ft below land-surface datum, Apr. 11, 2002; lowest recorded, 27.74 ft below land-surface datum, Oct. 8, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	24.95	JAN 07	22.82	APR 03	21.87	JUL 01	21.92	JUL 16	24.13

WATER YEAR 2003 HIGHEST 21.87 APR 03, 2003 LOWEST 24.95 OCT 04, 2002



LOCAL NUMBER.--RR-278, Site ID 320316093114201.

LOCATION.--Lat 32°03'16", long 93°11'42", Hydrologic Unit 11140209, Sec. 4, T.12N, R. 8W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 348 ft, screened 338-348 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 160 ft above NGVD of 1929. Measuring point: Top of bushing, at land-surface datum.

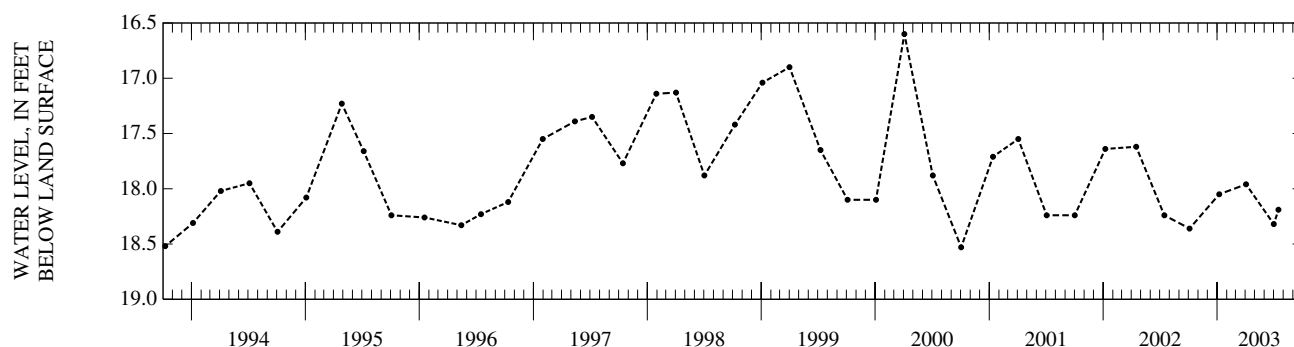
PERIOD OF RECORD.--1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 16.60 ft below land-surface datum, Apr. 3, 2000; lowest recorded, 20.58 ft below land-surface datum, Nov. 24, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	18.36	JAN 07	18.05	APR 03	17.96	JUL 01	18.32	JUL 16	18.19

WATER YEAR 2003 HIGHEST 17.96 APR 03, 2003 LOWEST 18.36 OCT 04, 2002



RICHLAND PARISH

LOCAL NUMBER.--Ri-89, Site ID 323029091430001.

LOCATION.--Lat 32°30'29", long 91°43'00", Hydrologic Unit 08050001, Sec. 26, T.18N, R. 7E.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 300 ft, screened 290-300 ft, casing diameter 2 in.

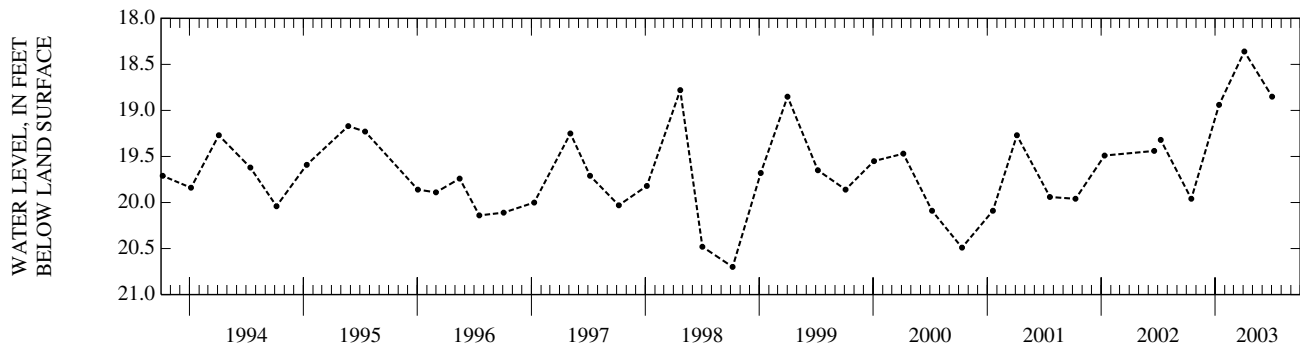
DATUM.--Elevation of land surface datum is 84 ft above NGVD of 1929. Measuring point: Top of casing, 4.2 ft above land-surface datum.

PERIOD OF RECORD.--1969-73, 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 17.75 ft below land-surface datum, May 21, 1975; lowest recorded, 21.23 ft below land-surface datum, Sept. 10, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	19.96	JAN 13	18.94	APR 04	18.36	JUL 02	18.85
WATER YEAR 2003 HIGHEST		18.36	APR 04, 2003	LOWEST		19.96	OCT 16, 2002



LOCAL NUMBER.--Ri-91, Site ID 322706091453401.

LOCATION.--Lat 32°27'06", long 91°45'34", Hydrologic Unit 08050001, Sec. 16, T.17N, R. 7E.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 180 ft, screened 170-180 ft, casing diameter 2 in.

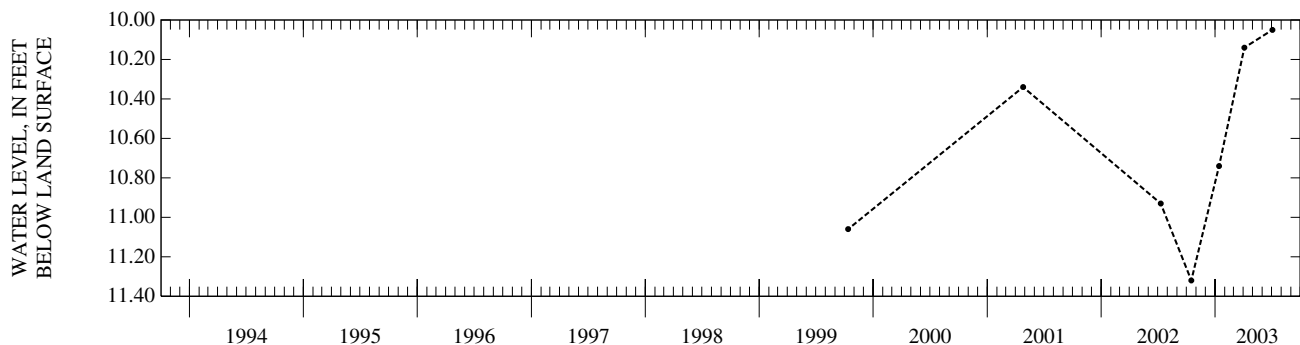
DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: Top of casing, 3.9 ft above land-surface datum.

PERIOD OF RECORD.--1969-87, 1999, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.19 ft below land-surface datum, May 3, 1984; lowest recorded, 13.98 ft below land-surface datum, Nov. 30, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	11.32	JAN 13	10.74	APR 04	10.14	JUL 03	10.05
WATER YEAR 2003 HIGHEST		10.05	JUL 03, 2003	LOWEST		11.32	OCT 16, 2002



RICHLAND PARISH—Continued

LOCAL NUMBER.--Ri-92, Site ID 322706091453402.

LOCATION.--Lat 32°27'06", long 91°45'34", Hydrologic Unit 08050001, Sec. 16, T.17N, R. 7E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 153 ft, screened 143-153 ft, casing diameter 4 to 2 in.

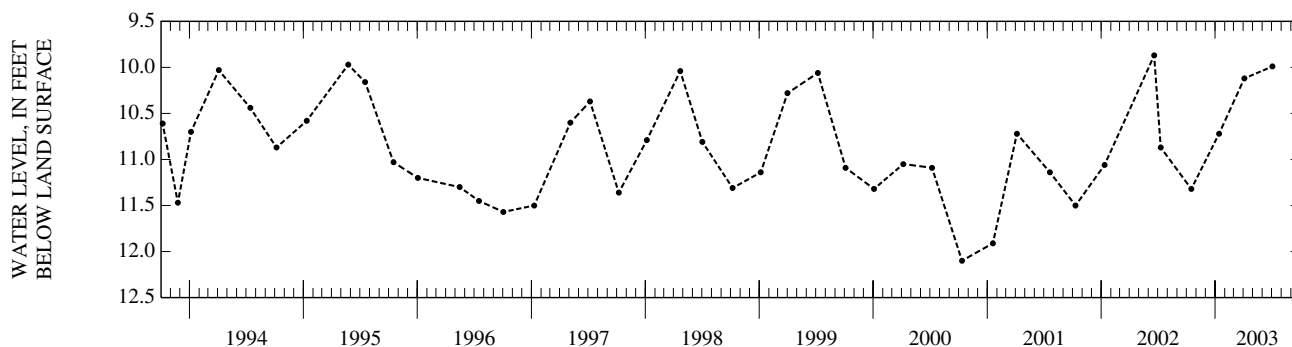
DATUM.--Elevation of land surface datum is 80 ft above NGVD of 1929. Measuring point: Top of hole in casing cap, 4.3 ft above land-surface datum.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.08 ft below land-surface datum, Apr. 3, 1992; lowest recorded, 13.98 ft below land-surface datum, Nov. 30, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	11.32	JAN 13	10.72	APR 04	10.12	JUL 03	9.99
WATER YEAR 2003 HIGHEST		9.99	JUL 03, 2003	LOWEST		11.32	OCT 16, 2002



LOCAL NUMBER.--Ri-124, Site ID 322605091301101.

LOCATION.--Lat 32°26'05", long 91°30'11", Hydrologic Unit 08050002, Sec. 25, T.17N, R. 9E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 84 ft, screened 81-84 ft, casing diameter 1 1/4 in.

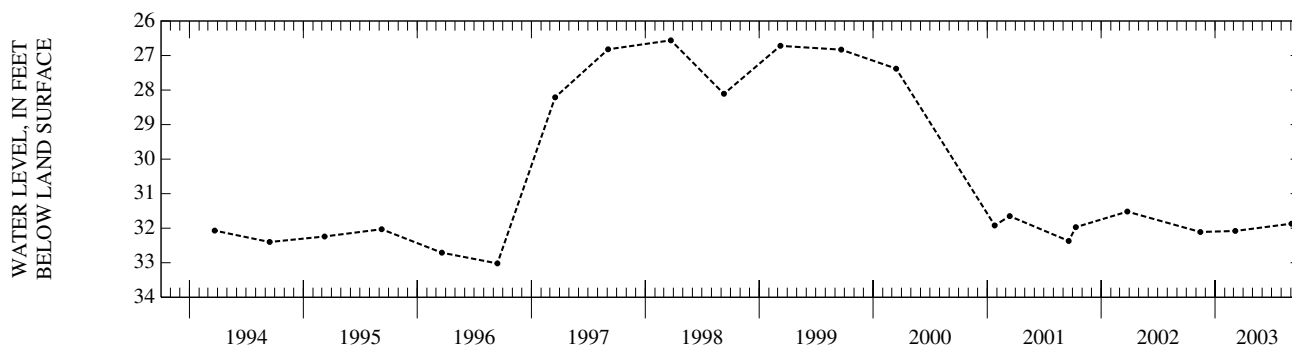
DATUM.--Elevation of land surface datum is 95 ft above NGVD of 1929. Measuring point: Top of casing, 1.6 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 26.56 ft below land-surface datum, Mar. 23, 1998; lowest recorded, 34.53 ft below land-surface datum, Sept. 22, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14	32.11	MAR 06	32.08	SEP 02	31.87
WATER YEAR 2003 HIGHEST		31.87	SEP 02, 2003	LOWEST 32.11 NOV 14, 2002	



SABINE PARISH

LOCAL NUMBER.--Sa-386, Site ID 311828093270301.

LOCATION.--Lat 31°18'28", long 93°27'03", Hydrologic Unit 12010005, Sec. 24, T. 4N, R.11W.

AQUIFER.--Catahoula aquifer of Miocene age (122CTHL).

WELL CHARACTERISTICS.--Depth 131 ft, screened 126-131 ft, casing diameter 2 in.

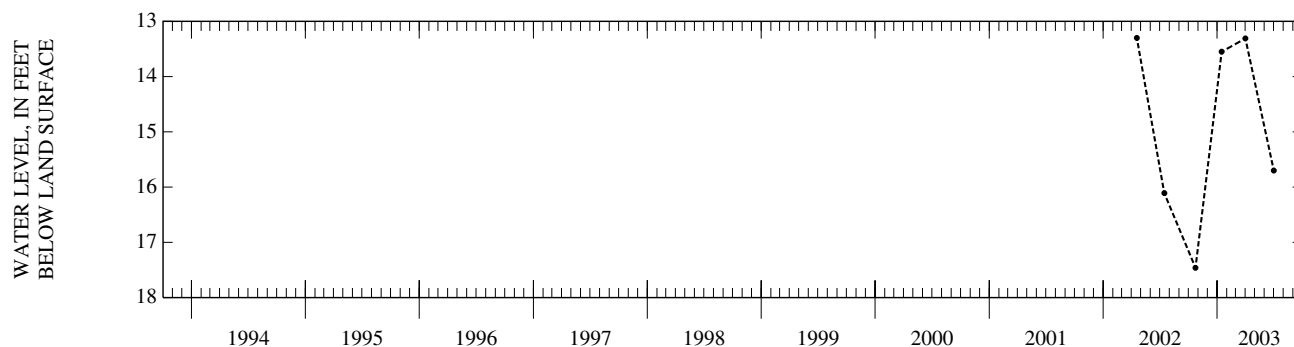
DATUM.--Elevation of land surface datum is 242 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--1965-87, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.78 ft below land-surface datum, Apr. 24, 1973, May 19, 1975; lowest recorded, 17.73 ft below land-surface datum, Oct. 29, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	17.46	JAN 15	13.55	APR 01	13.31	JUL 01	15.70
WATER YEAR 2003 HIGHEST 13.31 APR 01, 2003 LOWEST 17.46 OCT 23, 2002							



SABINE PARISH—Continued

LOCAL NUMBER.--Sa-392, Site ID 312206093311001.

LOCATION.--Lat 31°22'06", long 93°31'10", Hydrologic Unit 12010005, Sec. 32, T. 5N, R.11W.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 544 ft, screened 539-544. casing diameter 2 in.

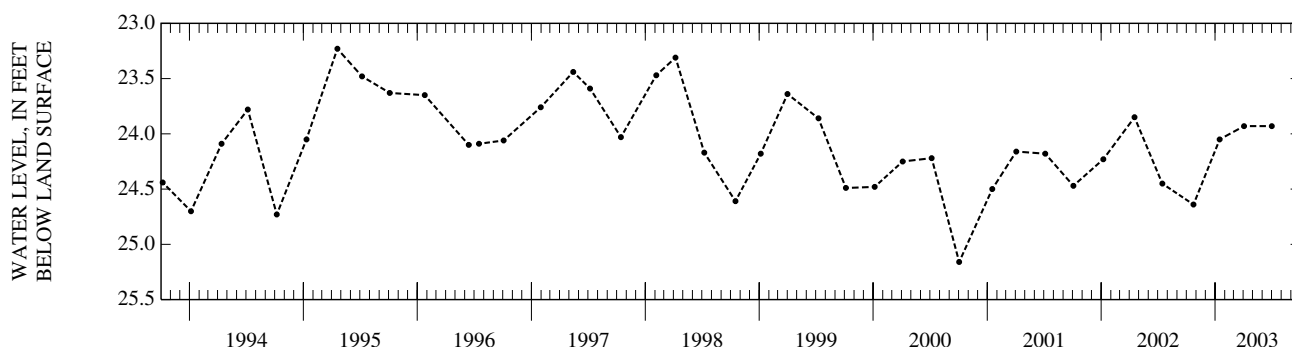
DATUM.--Elevation of land surface datum is 242 ft above NGVD of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 23.23 ft below land-surface datum, Apr. 19, 1995; lowest recorded, 26.30 ft below land-surface datum, Nov. 13, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	24.64	JAN 15	24.05	APR 03	23.93	JUL 01	23.93
WATER YEAR 2003 HIGHEST 23.93 APR 03, 2003 JUL 01, 2003 LOWEST 24.64 OCT 23, 2002							



LOCAL NUMBER.--Sa-394, Site ID 313748093451001.

LOCATION.--Lat 31°37'48", long 93°45'10", Hydrologic Unit 12010004, Sec. 36, T. 8N, R.14W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 278 ft, screened 273-278 ft, casing diameter 2 in.

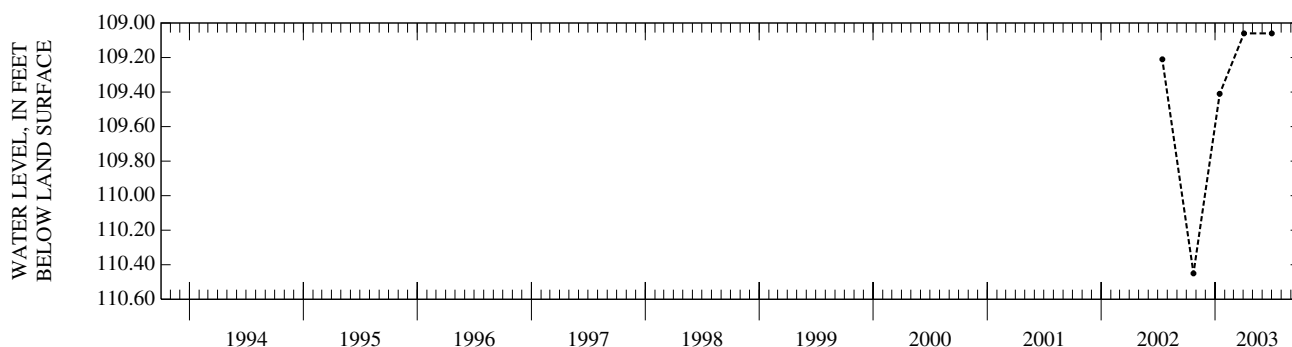
DATUM.--Elevation of land surface datum is 265 ft above NGVD of 1929. Measuring point: File marks on top of 2-in. casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1965-87, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 106.74 ft below land-surface datum, Apr. 9, 1975; lowest recorded, 118.85 ft below land-surface datum, Oct. 4, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	110.45	JAN 15	109.41	APR 03	109.06	JUL 01	109.06
WATER YEAR 2003 HIGHEST 109.06 APR 03, 2003 JUL 01, 2003 LOWEST 110.45 OCT 23, 2002							



SABINE PARISH—Continued

LOCAL NUMBER.--Sa-465, Site ID 312725093325301.

LOCATION.--Lat 31°27'25", long 93°32'53", Hydrologic Unit 12010004, Sec. 39, T. 6N, R.12W.

AQUIFER.--Wilcox aquifer of Eocene age (124WLCX).

WELL CHARACTERISTICS.--Depth 80 ft, screened 70-80 ft, casing diameter 2 in.

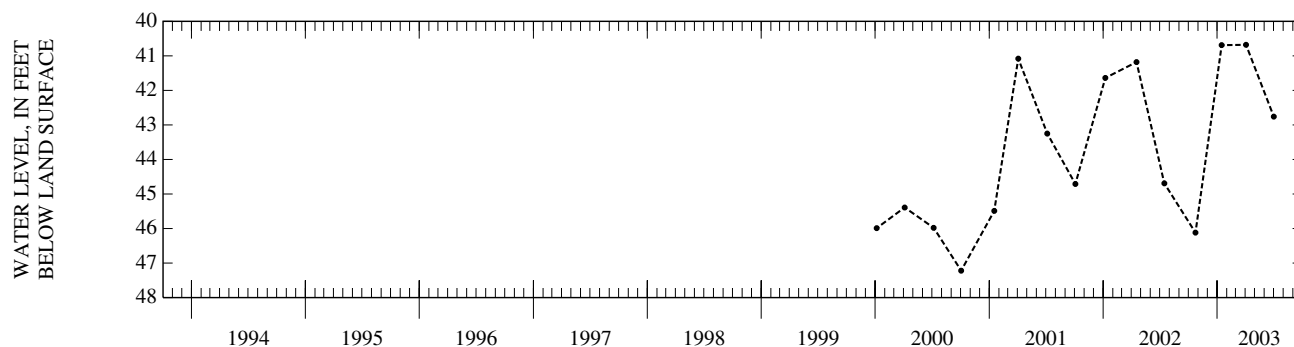
DATUM.--Elevation of land surface datum is 265 ft above NGVD of 1929. Measuring point: File marks on top of casing, 4.04 ft above land-surface datum.

PERIOD OF RECORD.--1978-87, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 39.55 ft below land-surface datum, May 28, 1980; lowest recorded, 47.46 ft below land-surface datum, Sept. 21, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	46.12	JAN 15	40.69	APR 03	40.68	JUL 01	42.76
WATER YEAR 2003 HIGHEST		40.68	APR 03, 2003	LOWEST		46.12	OCT 23, 2002



ST. HELENA PARISH

LOCAL NUMBER.--SH-9, Site ID 305300090502701.

LOCATION.--Lat 30°53'00", long 90°50'27", Hydrologic Unit 08070202, Sec. 73, T. 2S, R. 4E.

AQUIFER.--Zone 3 Florida Parishes and Pointe Coupee Parish of Miocene age (12203FP).

WELL CHARACTERISTICS.--Depth 2,135 ft, screened 2,106-2,135 ft, casing diameter 4 to 2 1/2 in.

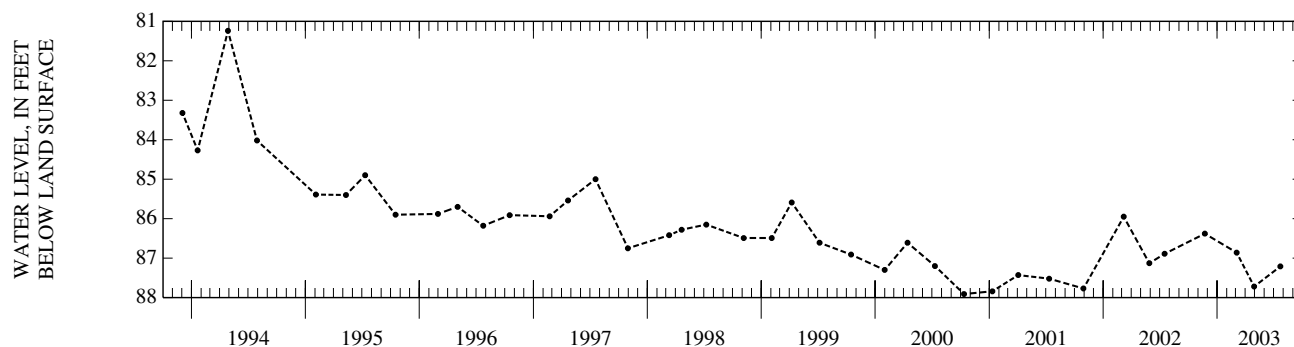
DATUM.--Elevation of land surface datum is 165 ft above NGVD of 1929. Measuring point: 3/8-in hole in top of sanitary seal, 1.28 ft above land-surface datum.

PERIOD OF RECORD.--1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 53.70 ft below land-surface datum, June 25, 1960; lowest recorded, 87.97 ft below land-surface datum, Jan. 30, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 22	86.38	MAR 04	86.86	APR 29	87.72	JUL 22	87.21
WATER YEAR 2003 HIGHEST 86.38		NOV 22, 2002		LOWEST 87.72		APR 29, 2003	



ST. HELENA PARISH—Continued

LOCAL NUMBER.--SH-48, Site ID 305519090481801.

LOCATION.--Lat 30°55'19", long 90°48'18", Hydrologic Unit 08070202, Sec. 43, T. 1S, R. 4E.

AQUIFER.--Upland terrace of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth unknown, screen unknown, casing diameter 4 to 2 1/2 in.

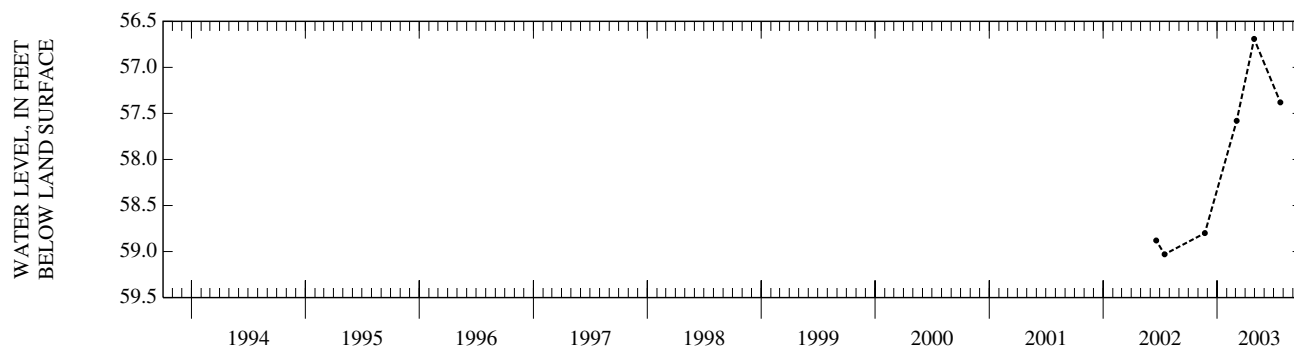
DATUM.--Elevation of land surface datum is 245 ft above NGVD of 1929. Measuring point: Hole in sanitary seal, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1984, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 56.49 ft below land-surface datum, Mar. 4, 1991; lowest recorded, 59.03 ft below land-surface datum, July 16, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 22	58.80	MAR 04	57.58	APR 29	56.69	JUL 22	57.38
WATER YEAR 2003		HIGHEST	56.69	APR 29, 2003	LOWEST	58.80	NOV 22, 2002



ST. HELENA PARISH—Continued

LOCAL NUMBER.--SH-56, Site ID 303912090542701.

LOCATION.--Lat 30°39'12", long 90°54'27", Hydrologic Unit 08070202, Sec. 50, T. 4S, R. 3E.

AQUIFER.--Upland terrace of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 160 ft, screened 145-160 ft, casing diameter 4 in.

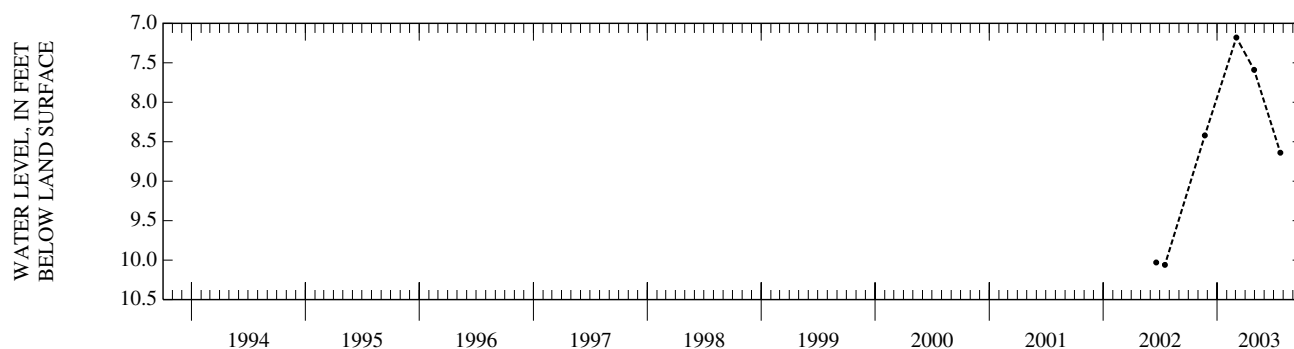
DATUM.--Elevation of land surface datum is 77 ft above NGVD of 1929. Measuring point: Top of 4-in. PVC pipe, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1984, 1988-89, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.30 ft below land-surface datum, July 13, 1989; lowest recorded, 10.06 ft below land-surface datum, July 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 22	8.42	MAR 03	7.18	APR 29	7.59	JUL 22	8.64
WATER YEAR 2003		HIGHEST	7.18	MAR 03, 2003	LOWEST	8.64	JUL 22, 2003



ST. HELENA PARISH—Continued

LOCAL NUMBER.--SH-76, Site ID 305540090374701.

LOCATION.--Lat 30°55'40", long 90°37'47", Hydrologic Unit 08070205, Sec. 43, T. 1S, R. 6E.

AQUIFER.--Upland terrace of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 80 ft, screened 70-80 ft, casing diameter 4 in.

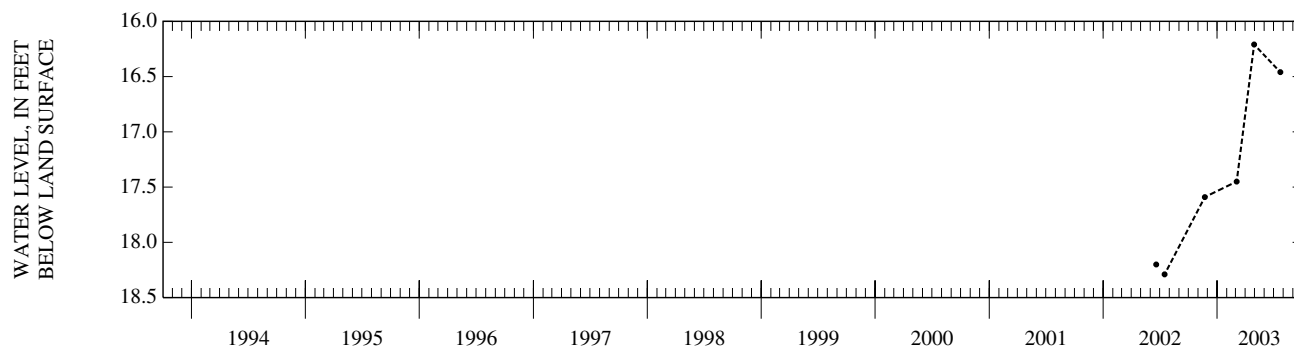
DATUM.--Elevation of land surface datum is 250 ft above NGVD of 1929. Measuring point: Hole in sanitary seal, 0.2 ft above land-surface datum.

PERIOD OF RECORD.--1987, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.78 ft below land-surface datum, Mar. 4, 1991; lowest recorded, 20.00 ft below land-surface datum (reported), Jan 16, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 22	17.59	MAR 04	17.45	APR 29	16.21	JUL 22	16.46
WATER YEAR 2003		HIGHEST	16.21	APR 29, 2003	LOWEST	17.59	NOV 22, 2002



ST. HELENA PARISH—Continued

LOCAL NUMBER.--SH-116, Site ID 305540090424101.

LOCATION.--Hydrologic Unit 08070203.

AQUIFER.--Amite aquifer of Miocene age (122AMIT).

WELL CHARACTERISTICS.--Depth 1,634 ft, screened 1,570-1,630 ft, casing diameter 10 to 6 in.

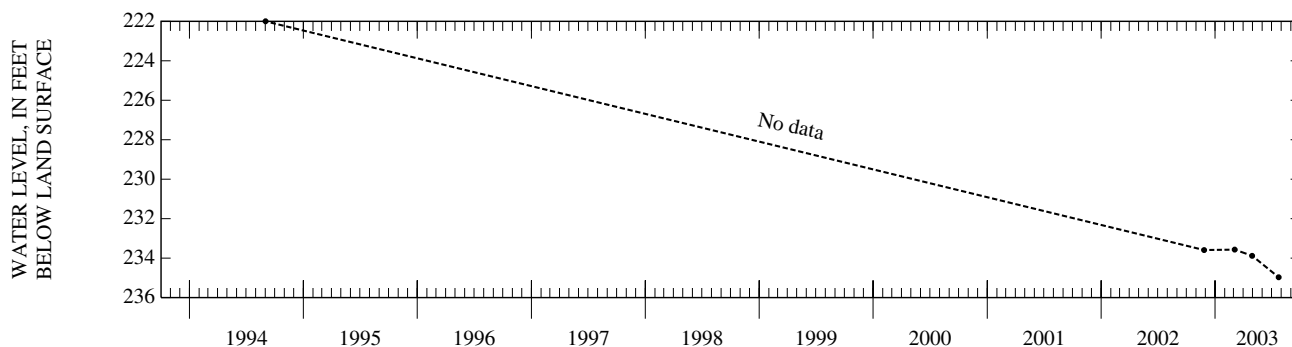
DATUM.--Elevation of land surface datum is 305 ft above NGVD of 1929. Measuring point: Top of vent tee, 2.6 feet above land-surface datum.

PERIOD OF RECORD.--1994, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded (reported), 222.00 ft below land-surface datum (reported), Sept. 1, 1994; lowest recorded, 234.97 ft below land-surface datum, July 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	233.59	MAR 04	233.57	APR 29	233.88	JUL 23	234.97
WATER YEAR 2003		HIGHEST	233.57 MAR 04, 2003	LOWEST	234.97 JUL 23, 2003		



ST. JAMES PARISH

LOCAL NUMBER.--SJ-86 , Site ID 300024090433501.

LOCATION.--Lat 30°00'24", long 90°43'35", Hydrologic Unit 08090301, Sec. 20, T.12S, R.17E.

AQUIFER.--Gramercy aquifer of Pleistocene age (112GRMC).

WELL CHARACTERISTICS.--Depth 290 ft, screened 280-290 ft, casing diameter 3 in.

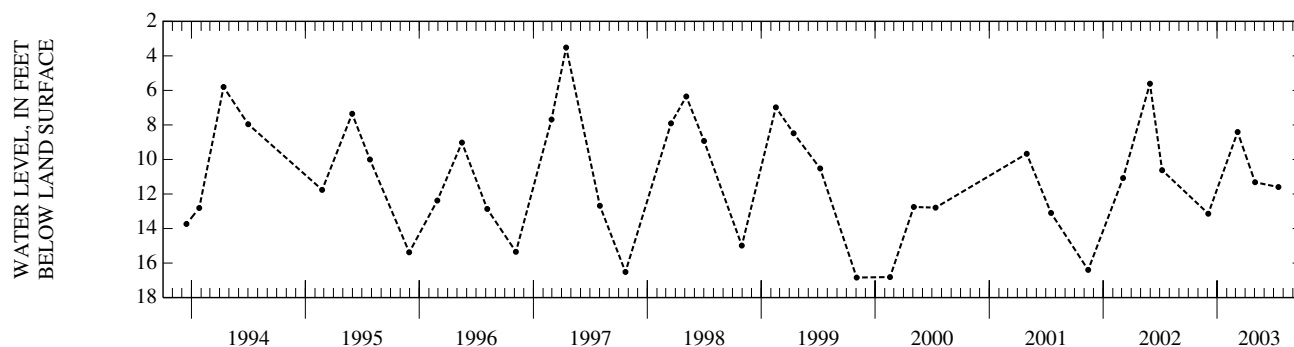
DATUM.--Elevation of land surface datum is 18.30 ft above NGVD of 1929. Measuring point: Top of 2-in. nipple extending from top of casing collar, 1.44 ft above land-surface datum.

PERIOD OF RECORD.--1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.52 ft below land-surface datum, Apr. 15, 1997 lowest recorded, 19.00 ft below land-surface datum, Oct. 31, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 03	13.14	MAR 07	8.41	MAY 02	11.32	JUL 16	11.60
WATER YEAR 2003 HIGHEST		8.41	MAR 07, 2003	LOWEST		13.14	DEC 03, 2002



ST. JAMES PARISH—Continued

LOCAL NUMBER.--SJ-203, Site ID 300445090520301.

LOCATION.--Lat 30°04'45", long 90°52'03", Hydrologic Unit 08070204, Sec. 38, T.11S, R. 3E.

AQUIFER.--Norco aquifer of Pleistocene age (112NORC).

WELL CHARACTERISTICS.--Depth 444 ft, screened 384-444 ft, casing diameter 18 to 12 to 10 in.

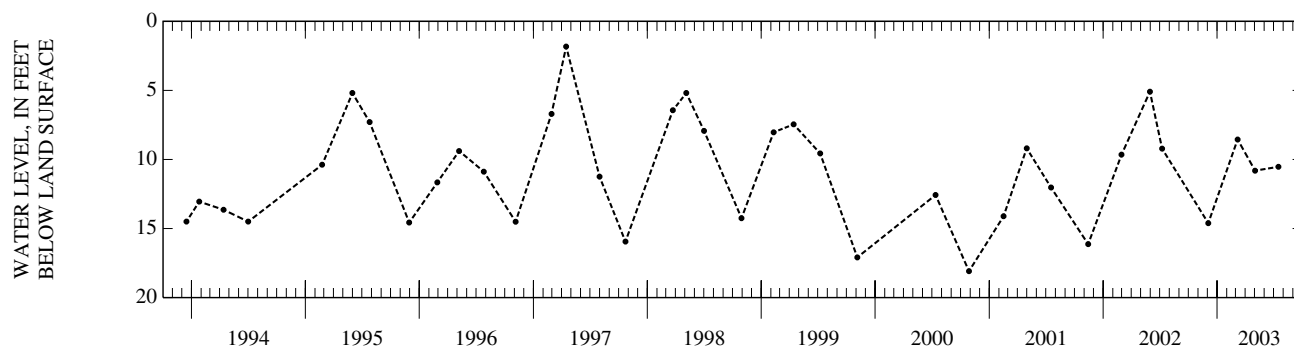
DATUM.--Elevation of land surface datum is 19 ft above NGVD of 1929. Measuring point: Top of 1 1/2-in. vent pipe, 0.65 ft above land-surface datum.

PERIOD OF RECORD.--1975, 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.83 ft below land-surface datum, Apr. 15, 1997; lowest recorded, 18.74 ft below land-surface datum, Mar. 29, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 03	14.61	MAR 07	8.55	MAY 02	10.81	JUL 16	10.53
WATER YEAR 2003 HIGHEST		8.55	MAR 07, 2003	LOWEST		14.61	DEC 03, 2002



ST. JOHN THE BAPTIST PARISH

LOCAL NUMBER.--SJB-145, Site ID 300234090390301.

LOCATION.--Lat 30°02'34", long 90°39'03", Hydrologic Unit 08090301, Sec. 18, T.12S, R.18E.

AQUIFER.--Gramercy aquifer of Pleistocene age (112GRMC).

WELL CHARACTERISTICS.--Depth 315 ft, screened 305-315 ft, casing diameter 4 in.

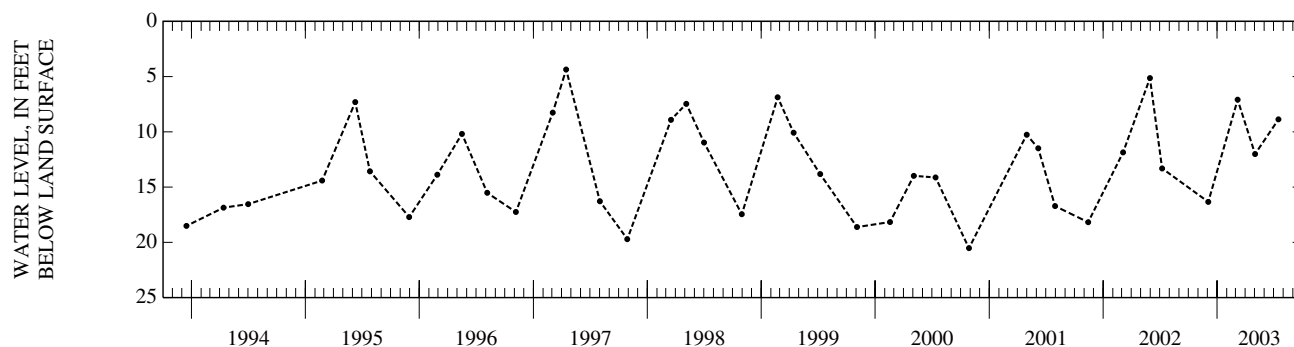
DATUM.--Elevation of land surface datum is 17.71 ft above NGVD of 1929. Measuring point: Top of 1/4-in. hole in cap, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.91 ft below land-surface datum, May 17, 1973; lowest recorded, 21.34 ft below land-surface datum, Jan. 13, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 03	16.34	MAR 07	7.09	MAY 02	12.01	JUL 16	8.87
WATER YEAR 2003 HIGHEST		7.09	MAR 07, 2003	LOWEST		16.34	DEC 03, 2002



LOCAL NUMBER.--SJB-165, Site ID 301247090245901.

LOCATION.--Hydrologic Unit 08070204.

AQUIFER.--Covington aquifer of Pliocene age (120CVNG).

WELL CHARACTERISTICS.--Depth 3,000 ft, screened 2,900-3,000 ft, casing diameter 12 to 8 in.

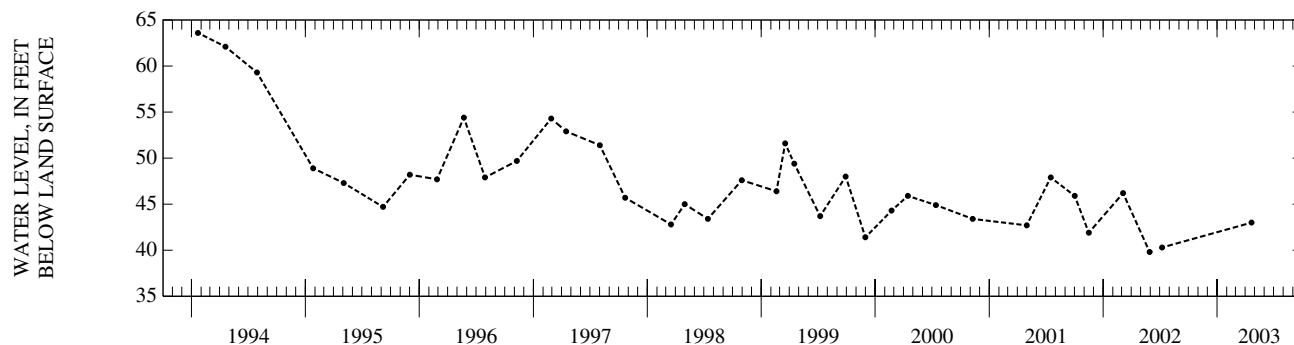
DATUM.--Elevation of land surface datum is 6 ft above NGVD of 1929. Measuring point: Center line of sample faucet in horizontal 12-in. casing, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--1974, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 94.8 ft above land-surface datum, Sept. 23, 1974; lowest recorded, 39.8 ft above land-surface datum, May 29, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL
APR 21	+43.0



ST. JOHN THE BAPTIST PARISH—Continued

LOCAL NUMBER.--SJB-176, Site ID 301336090244101.

LOCATION.--Hydrologic Unit 08070204.

AQUIFER.--Covington aquifer of Pliocene age (120CVNG).

WELL CHARACTERISTICS.--Depth 2,950 ft, screened 2,822-2,950 ft, casing diameter 16 to 10 in.

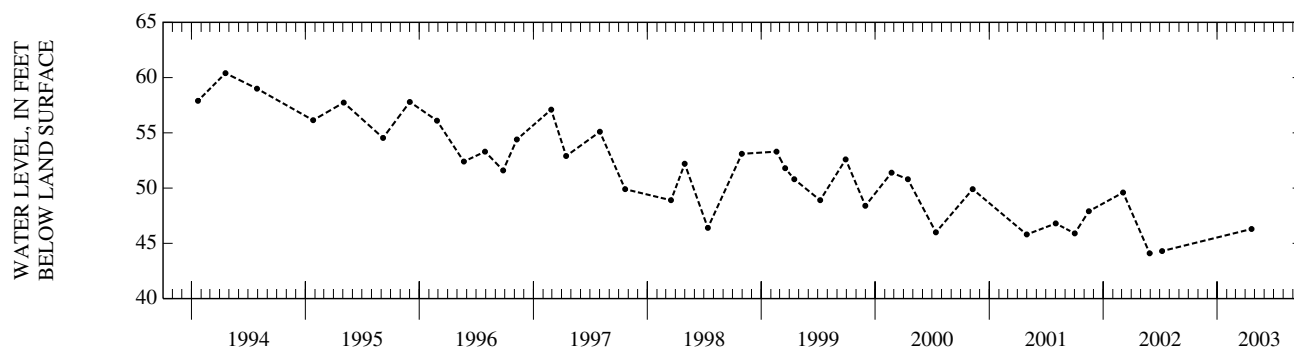
DATUM.--Elevation of land surface datum is 5.4 ft above NGVD of 1929. Measuring point: Center line of sample faucet on horizontal 16-in. casing, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--1985, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 72.19 ft above land-surface datum, Sept. 16, 1985; lowest recorded, 44.1 ft above land-surface datum, May 29, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL
APR 21	+46.3



SJ. JOHN THE BAPTIST PARISH--Continued

LOCAL NUMBER.--SJB-180, Site ID 301143090260101.

LOCATION.--Lat 30°11'55", long 90°25'50", Hydrologic Unit 08070204, Sec. 7, T.10S, R. 8E.

AQUIFER.--Covington aquifer of Pliocene age (120CVNG).

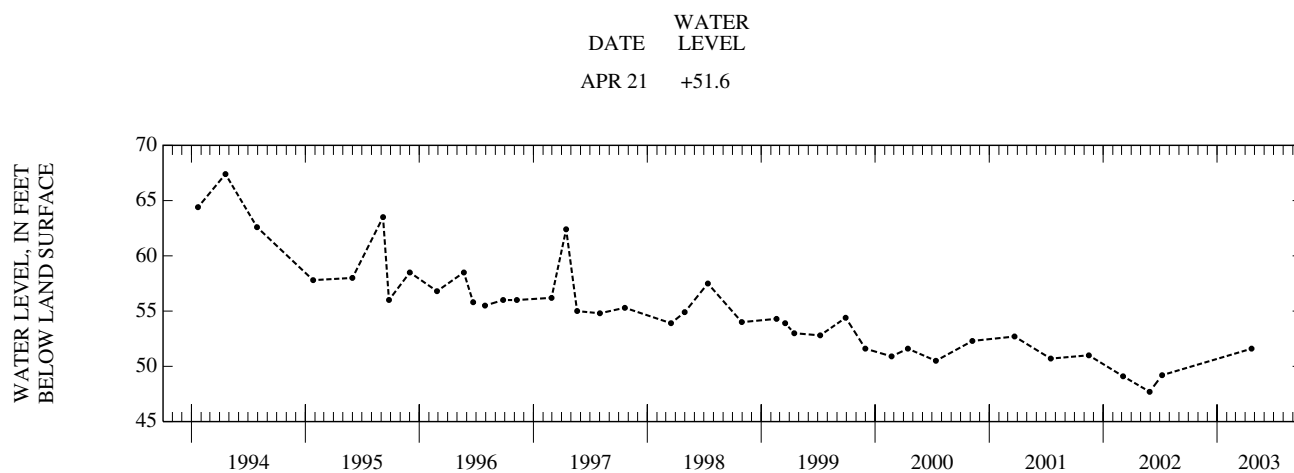
WELL CHARACTERISTICS.--Depth 3,091 ft, screened 3,070-3,091 ft, casing diameter 8 5/8 to 4 1/2 in.

DATUM.--Elevation of land surface datum is 1 ft above NGVD of 1929. Measuring point: Center line of 2-in. discharge pipe, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 67.40 ft above land-surface datum, Apr. 19, 1994; lowest recorded, 47.7 ft above land-surface datum, May 29, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003



ST. LANDRY PARISH

LOCAL NUMBER.--SL-179, Site ID 304116092083601.

LOCATION.--Lat 30°41'16", long 92°08'36", Hydrologic Unit 08080102, Sec. 40, T. 4S, R. 3E.

AQUIFER.--Chicot aquifer of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 94 ft, screened 91-94 ft, casing diameter 1 1/4 in.

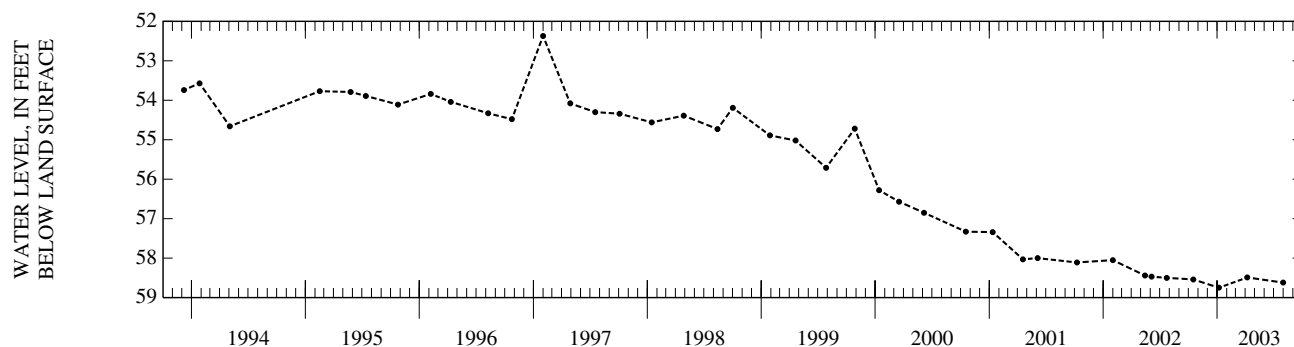
DATUM.--Elevation of land surface datum is 55.23 ft above NGVD of 1929. Measuring point: Top of 1 1/4 casing, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--1957-72, 1974-79, 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 45.23 ft below land-surface datum, Apr. 28, 1958; lowest recorded, 58.75 ft below land-surface datum, Jan. 6, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	58.54	JAN 06	58.75	APR 07	58.49	JUL 31	58.62
WATER YEAR 2003		HIGHEST	58.49	APR 07, 2003	LOWEST	58.75	JAN 06, 2003



ST. LANDRY PARISH—Continued

LOCAL NUMBER.--SL-202, Site ID 303629092030201.

LOCATION.--Hydrologic Unit 08080102.

AQUIFER.--Chicot aquifer, undifferentiated, of Pleistocene age (112CHCT).

WELL CHARACTERISTICS.--Depth 458 ft, screened 377-458 ft, casing diameter 12 to 6 in.

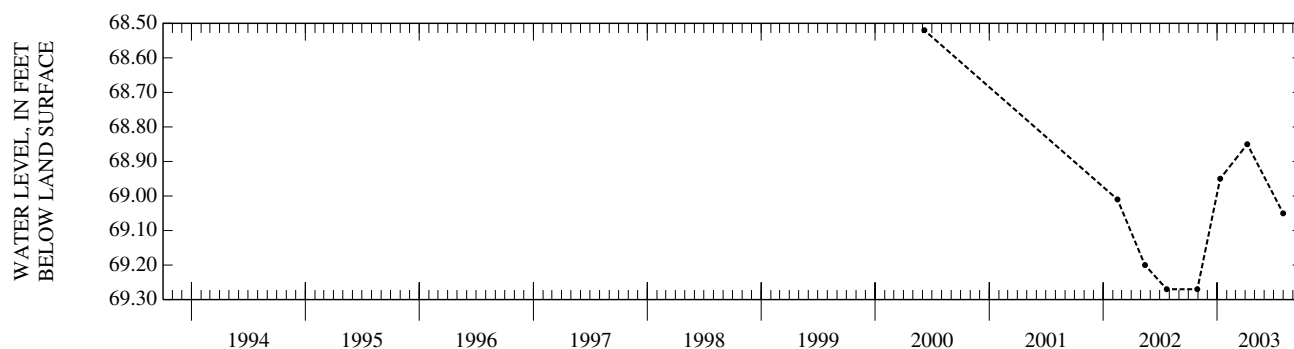
DATUM.--Elevation of land surface datum is 60 ft above NGVD of 1929. Measuring point: Bottom edge of 2-in. vent pipe on north side of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1965, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 63.00 ft below land-surface datum (reported), Feb. 12, 1965; lowest recorded, 69.27 ft below land-surface datum, July 23, 2002, Oct. 29, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	69.27	JAN 10	68.95	APR 07	68.85	JUL 31	69.05
WATER YEAR 2003		HIGHEST	68.85	APR 07, 2003	LOWEST	69.27	OCT 29, 2002



ST. MARTIN PARISH

LOCAL NUMBER.--SMn-109 Site ID 301304091424002.

LOCATION.--Lat 30°13'04", long 91°42'40", Hydrologic Unit 08080102, Sec. 36, T. 9S, R. 7E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 375 ft, screened 370-375 ft, casing diameter 2 in.

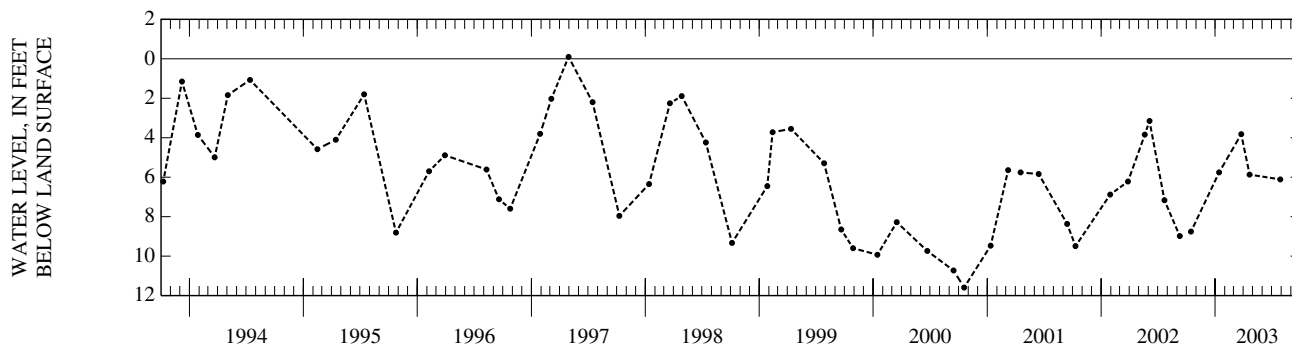
DATUM.-- Elevation of land surface datum is 11.34 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.94 ft above land-surface datum, Feb. 27, 1974; lowest recorded, 11.59 ft below land-surface datum, Oct. 18, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	8.76	JAN 13	5.76	MAR 25	3.82	APR 21	5.87	JUL 28	6.11
WATER YEAR 2003 HIGHEST 3.82 MAR 25, 2003 LOWEST 8.76 OCT 15, 2002									



ST. MARTIN PARISH—Continued

LOCAL NUMBER.--SMn-134B, Site ID 300947091472102.

LOCATION.--Lat 30°09'47", long 91°47'21", Hydrologic Unit 08080201, Sec. 47, T.10S, R. 7E.

AQUIFER.--Chicot aquifer, lower sand unit, of Pleistocene age (112CHCTL).

WELL CHARACTERISTICS.--Depth 846 ft, screened 836-846 ft, casing diameter 2 in.

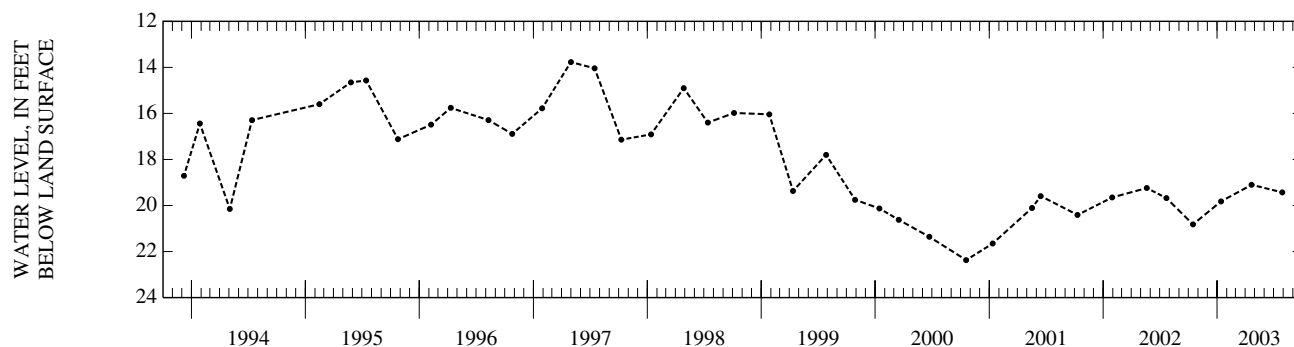
DATUM.--Elevation of land surface datum is 20 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--1975-79, 1981, 1983, 1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.42 ft below land-surface datum, June 4, 1975; lowest recorded, 22.37 ft below land-surface datum, Oct. 18, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	20.82	JAN 13	19.82	APR 21	19.10	JUL 28	19.43
WATER YEAR 2003		HIGHEST	19.10	APR 21, 2003	LOWEST	20.82	OCT 15, 2002



ST.MARY PARISH

LOCAL NUMBER.--SM-57U, Site ID 294749091402301.

LOCATION.--Lat 29°47'49", long 91°40'23", Hydrologic Unit 08080103, Sec. 27, T.14S, R. 8E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 638 ft, screened 628-638 ft, casing diameter 4 in.

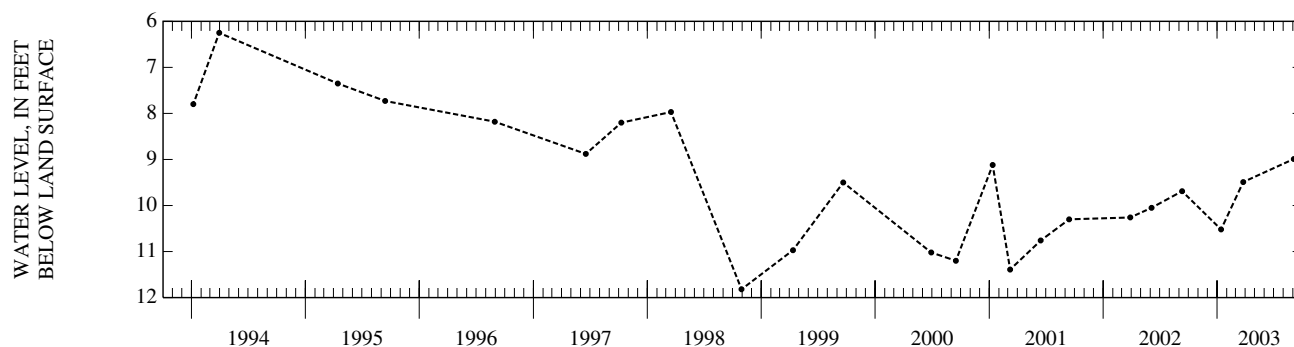
DATUM.--Elevation of land surface datum is 8.72 ft above NGVD of 1929. Measuring point: Top of 1 1/2 in. casing, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--1964-85, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.20 ft below land-surface datum, June 15, 1993; lowest recorded, 11.82 ft below land-surface datum, Oct. 29, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	10.52	MAR 25	9.49	SEP 03	8.99
WATER YEAR 2003 HIGHEST 8.99 SEP 03, 2003 LOWEST 10.52 JAN 13, 2003					



ST. TAMMANY PARISH

LOCAL NUMBER.--ST-532, Site ID 302052090010201.

LOCATION.--Lat 30°20'52", long 90°01'02", Hydrologic Unit 08090201, Sec. 43, T. 8S, R.12E.

AQUIFER.--Big Branch aquifer of Pliocene age (121BGBC).

WELL CHARACTERISTICS.--Depth 1,519 ft, screened interval unknown, casing diameter 10 in.

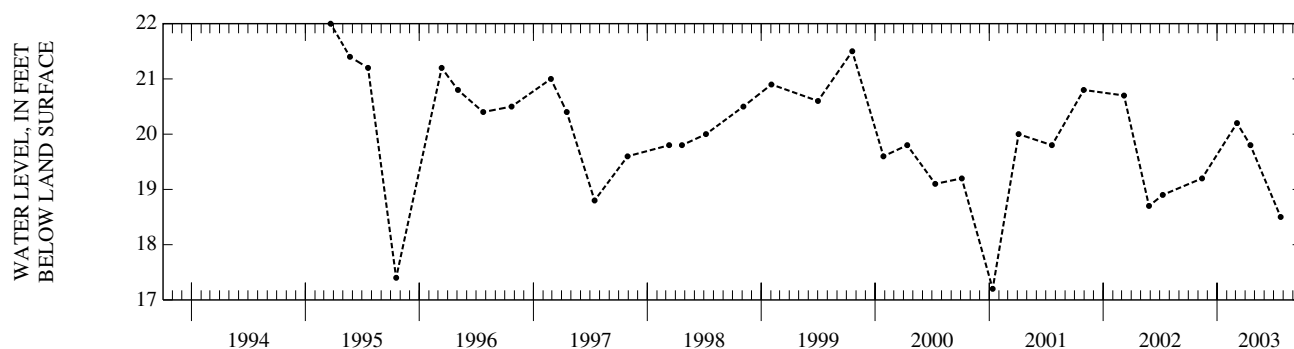
DATUM.--Elevation of land surface datum is 8 ft above NGVD of 1929. Measuring point: Center line of faucet in 8-in. discharge line, 3.3 ft above land-surface datum.

PERIOD OF RECORD.--1949, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 28.00 ft above land-surface datum (reported), Oct. 19, 1949; lowest recorded, 17.2 ft above land-surface datum, Jan. 11, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	+19.2	MAR 05	+20.2	APR 17	+19.8	JUL 23	+18.5
WATER YEAR 2003		HIGHEST	+20.2	MAR 05, 2003	LOWEST	+18.5	JUL 23, 2003



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-563, Site ID 301536089470501.

LOCATION.--Hydrologic Unit 08090201.

AQUIFER.--Slidell aquifer of Pliocene age (120SLDL).

WELL CHARACTERISTICS.--Depth 2,411 ft, screened 2,262-2,322 ft and 2,343-2,411 ft, casing diameter 10 in.

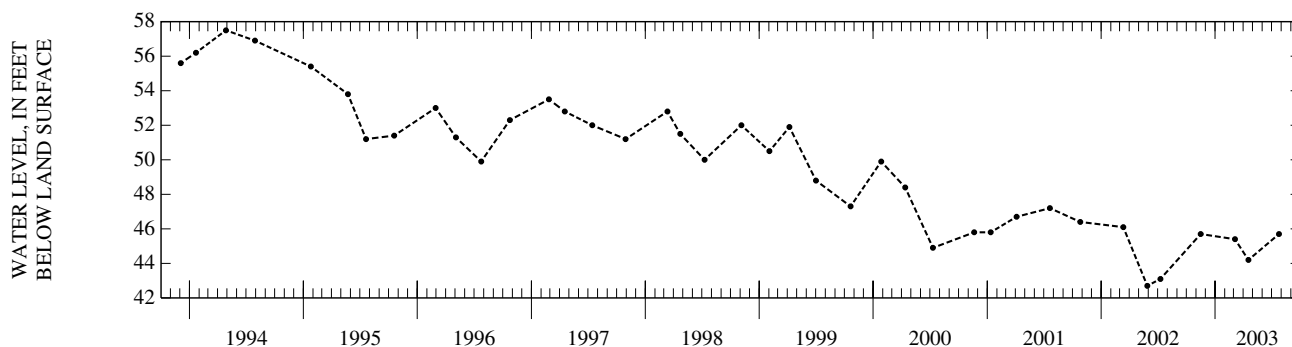
DATUM.--Elevation of land surface datum is 10.24 ft above NGVD of 1929. Measuring point: Center line of sample faucet on discharge line, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 118.9 ft above land-surface datum, June 12, 1958; lowest recorded, 42.7 ft above land-surface datum, May 28, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	+45.7	MAR 05	+45.4	APR 17	+44.2	JUL 24	+45.7
WATER YEAR 2003 HIGHEST +45.7 NOV 15, 2002 JUL 24, 2003 LOWEST +44.2 APR 17, 2003							



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-576, Site ID 301920089560801.

LOCATION.--Lat 30°19'20", long 89°56'08", Hydrologic Unit 08090201, Sec. 43, T. 8S, R.13E.

AQUIFER.--Slidell aquifer of Pliocene age (120SLDL).

WELL CHARACTERISTICS.--Depth 2,334 ft, screened 2,238-2,334 ft, casing diameter 7 in.

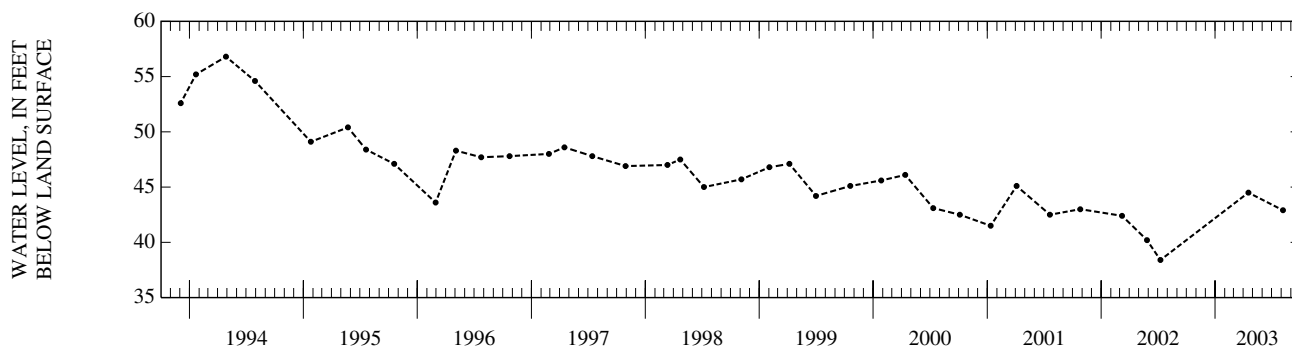
DATUM.--Elevation of land surface datum is 17 ft above NGVD of 1929. Measuring point: Center line of sample faucet on 7-in. discharge line, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1961, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 108.00 ft above land-surface datum (reported), Feb. 23, 1961; lowest recorded, 38.4 ft above land-surface datum, July 9, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	+44.5	AUG 06	+42.9
WATER YEAR 2003 HIGHEST	+44.5 APR 17, 2003	LOWEST	+42.9 AUG 06, 2003



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-604, Site ID 303425090143501.

LOCATION.--Lat 30°34'25", long 90°14'35", Hydrologic Unit 08090201, Sec. 31, T. 5S, R.10E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC)

WELL CHARACTERISTICS.--Depth 66 ft, screened interval 64-66 ft, casing diameter 1 in.

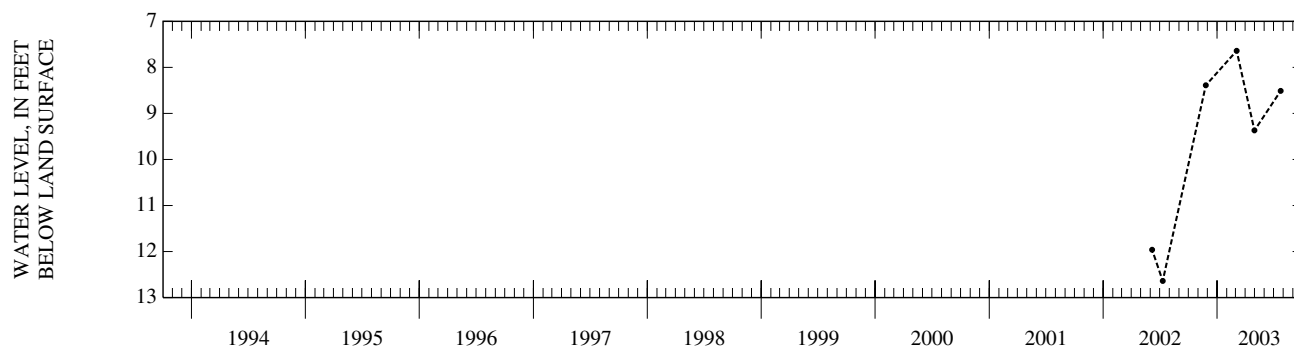
DATUM.--Elevation of land surface datum is 65 ft above NGVD of 1929. Measuring point: Top of 1 1/4-in. casing, 3.6 ft above land-surface datum.

PERIOD OF RECORD.--1968-69, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.44 ft below land-surface datum, Feb. 8, 1991; lowest recorded, 14.16 ft below land-surface datum, Nov. 8, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	8.39	MAR 04	7.64	APR 30	9.37	JUL 23	8.51
WATER YEAR 2003		HIGHEST	7.64	MAR 04, 2003	LOWEST	9.37	APR 30, 2003



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-611, Site ID 302321089535201.

LOCATION.--Lat 30°23'21", long 89°53'52", Hydrologic Unit 08090201, Sec. 33, T. 7S, R.13E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC)

WELL CHARACTERISTICS.--Depth 24 ft, screened interval 21-24 ft, casing diameter 1 $\frac{1}{4}$ in.

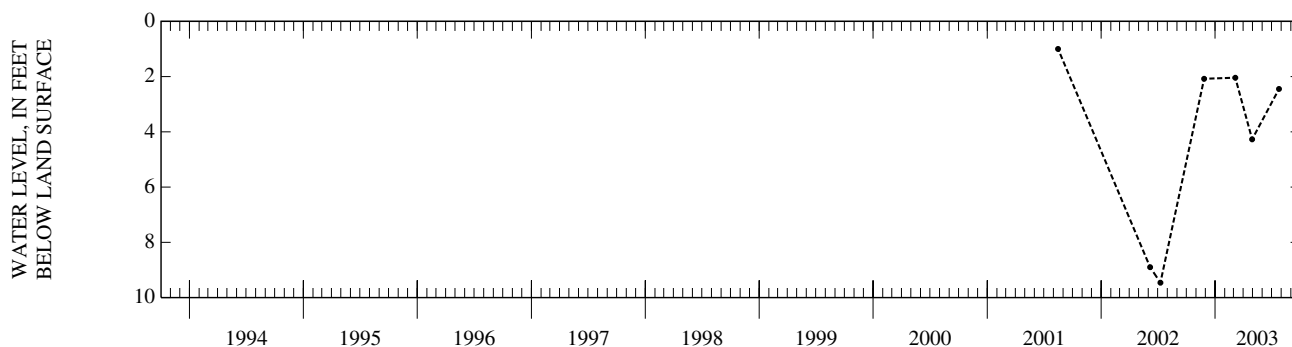
DATUM.--Elevation of land surface datum is 28 ft above NGVD of 1929. Measuring point: Top of 1 $\frac{1}{4}$ -in. casing, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--1968-69, 1991, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.79 ft below land-surface datum, Feb. 6, 1991; lowest recorded, 10.08 ft below land-surface datum, Dec. 3, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	2.08	MAR 06	2.04	APR 29	4.27	JUL 24	2.45
WATER YEAR 2003		HIGHEST	2.04	MAR 06, 2003	LOWEST	4.27	APR 29, 2003



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-640, Site ID 303700090030201.

LOCATION.--Lat 30°37'00", long 90°03'02", Hydrologic Unit 08090201, Sec. 13, T. 5S, R.11E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC)

WELL CHARACTERISTICS.--Depth 90 ft, screened interval 80-90 ft, casing diameter 4 in.

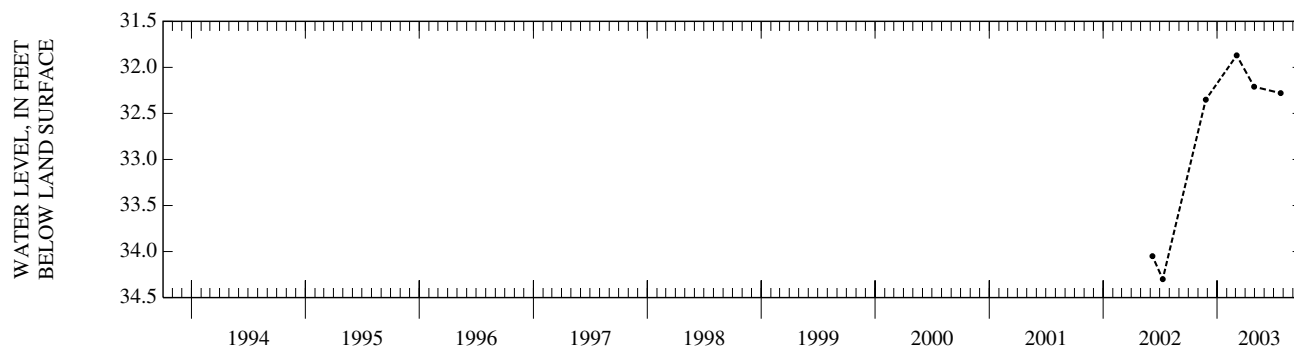
DATUM.--Elevation of land surface datum is 155 ft above NGVD of 1929. Measuring point: Hole in sanitary seal on north side of well, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--1968-69, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 30.20 ft below land-surface datum, June 13, 1969; lowest recorded, 36.78 ft below land-surface datum, Jan. 1, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	32.35	MAR 04	31.87	APR 29	32.21	JUL 23	32.28
WATER YEAR 2003		HIGHEST	31.87	MAR 04, 2003	LOWEST	32.35	NOV 25, 2002



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-776, Site ID 301838089485002.

LOCATION.--Lat 30°18'38", long 89°48'50", Hydrologic Unit 08090201, Sec. 32, T. 8S, R.14E.

AQUIFER.--Lower Ponchatoula aquifer of Pliocene age (121PNCLL).

WELL CHARACTERISTICS.--Depth 887 ft, screened 862-887 ft, casing diameter 8 to 4 in.

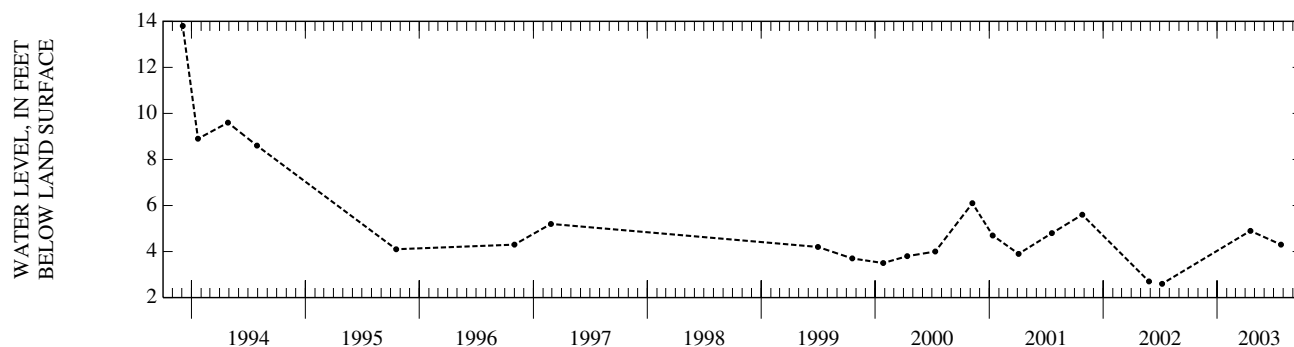
DATUM.--Elevation of land surface datum is 16 ft above NGVD of 1929. Measuring point: Center line of faucet on south side, 1.9 ft above land-surface datum.

PERIOD OF RECORD.--1982, 1993-94, 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.80 ft above land-surface datum, Dec. 3, 1993 ; lowest recorded, 2.6 ft above land-surface datum, July 5, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	+4.9	JUL 24	+4.3
WATER YEAR 2003	HIGHEST +4.9	APR 17, 2003	LOWEST +4.3
		JUL 24, 2003	



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-928, Site ID 302019090001601.

LOCATION.--Lat 30°20'19", long 90°00'16", Hydrologic Unit 08090201, Sec. 42, T. 8S, R.12E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC)

WELL CHARACTERISTICS.--Depth 260 ft, screened interval 230-260 ft, casing diameter 4 to 3 in.

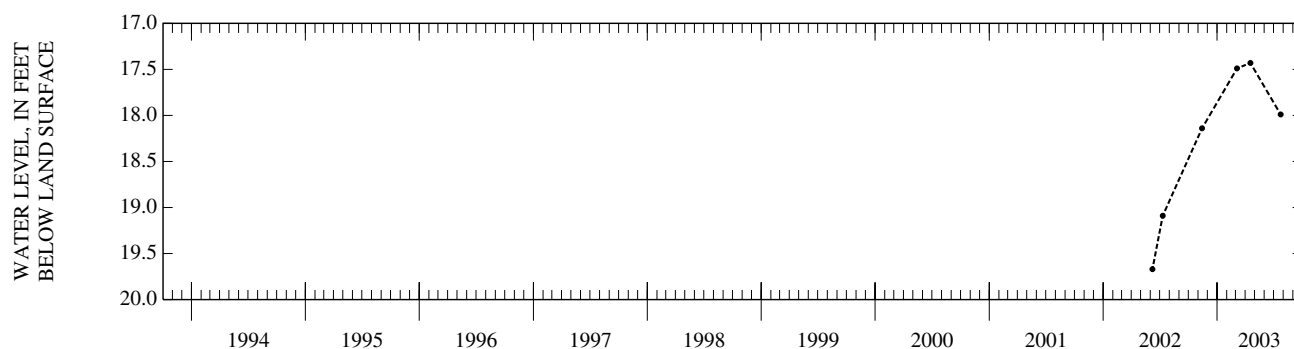
DATUM.--Elevation of land surface datum is 17 ft above NGVD of 1929. Measuring point: Top of bushing on air vent, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--1987, 1991, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.00 ft below land-surface datum (reported), Nov. 11, 1987; lowest recorded, 19.67 ft below land-surface datum, June 7, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	18.14	MAR 05	17.49	APR 17	17.43	JUL 23	17.99
WATER YEAR 2003		HIGHEST	17.43	APR 17, 2003	LOWEST	18.14	NOV 13, 2002



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-1085, Site ID 302154090033701.

LOCATION.--Hydrologic Unit 08090201.

AQUIFER.--Lower Ponchatoula aquifer of Pliocene age (121PNCLL).

WELL CHARACTERISTICS.--Depth 850 ft, screened 810-850 ft, casing diameter 6 to 4 in.

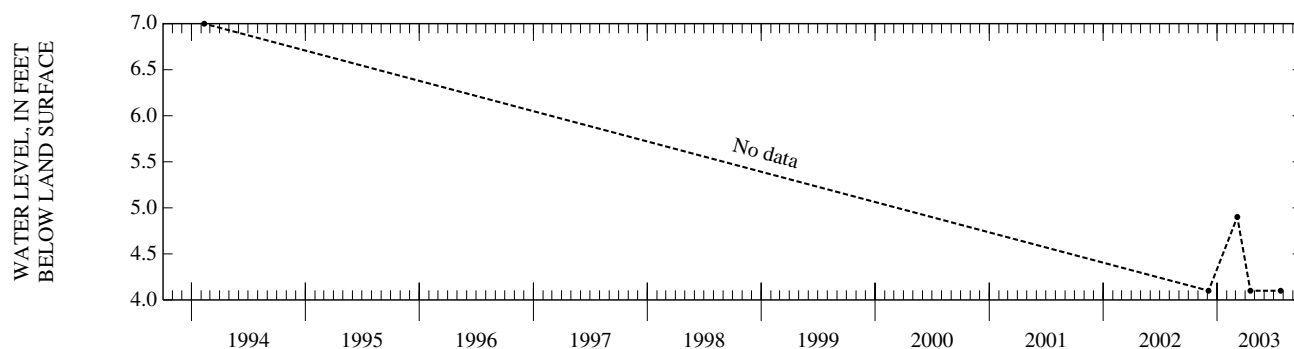
DATUM.--Elevation of land surface datum is 13 ft above NGVD of 1929. Measuring point: Center line of faucet on casing, 1.9 ft above land-surface datum.

PERIOD OF RECORD.--1994, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.0 ft above land-surface datum (reported), Feb. 10, 1994 ; lowest recorded, 4.1 ft above land-surface datum, Dec. 4, 2002, Apr. 17, 2003, July 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 04	+4.1	MAR 06	+4.9	APR 17	+4.1	JUL 23	+4.1
WATER YEAR 2003	HIGHEST	+4.9	MAR 06, 2003	LOWEST	+4.1	DEC 04, 2002	APR 17, 2003 JUL 23, 2003



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-1094, Site ID 301947089434001.

LOCATION.--Hydrologic Unit 08090201.

AQUIFER.--Slidell aquifer of Pliocene age (120SLDL).

WELL CHARACTERISTICS.--Depth 2,150 ft, screened 2,050-2,150 ft, casing diameter 8 to 6 in.

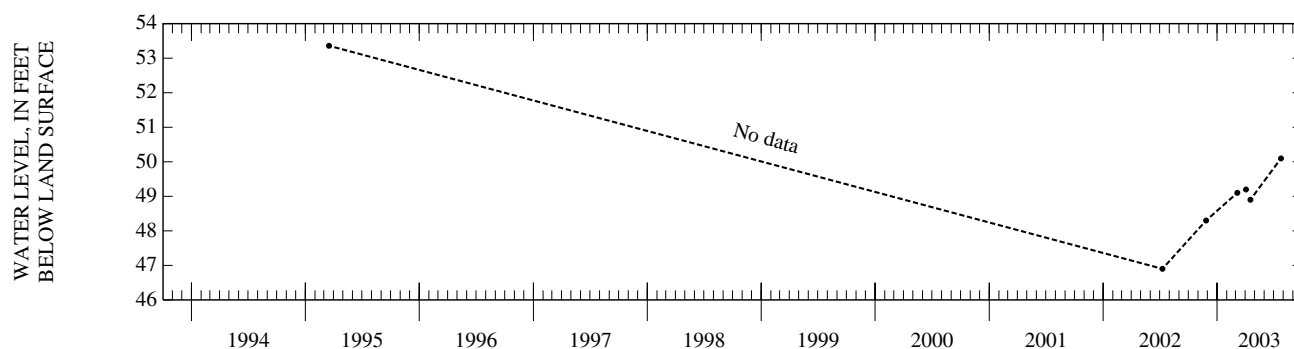
DATUM.--Elevation of land surface datum is 15 ft above NGVD of 1929. Measuring point: Center line of sample faucet, 2.1 ft above land-surface datum.

PERIOD OF RECORD.--1995, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 53.36 ft above land-surface datum (reported), Mar. 17, 1995; lowest recorded, 46.9 ft above land-surface datum, July 9, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	+48.3	MAR 06	+49.1	APR 03	+49.2	APR 17	+48.9	JUL 24	+50.1
WATER YEAR 2003		HIGHEST	+50.1	JUL 24, 2003	LOWEST	+48.3	NOV 26, 2002		



ST. TAMMANY PARISH—Continued

LOCAL NUMBER.--ST-1131, Site ID 302941090032001.

LOCATION.--Hydrologic Unit 08090201.

AQUIFER.--Tcefuncte aquifer of Miocene age (122TCFC).

WELL CHARACTERISTICS.--Depth 1,825 ft, screened 1,755-1,825 ft, casing diameter 16 to 10 in.

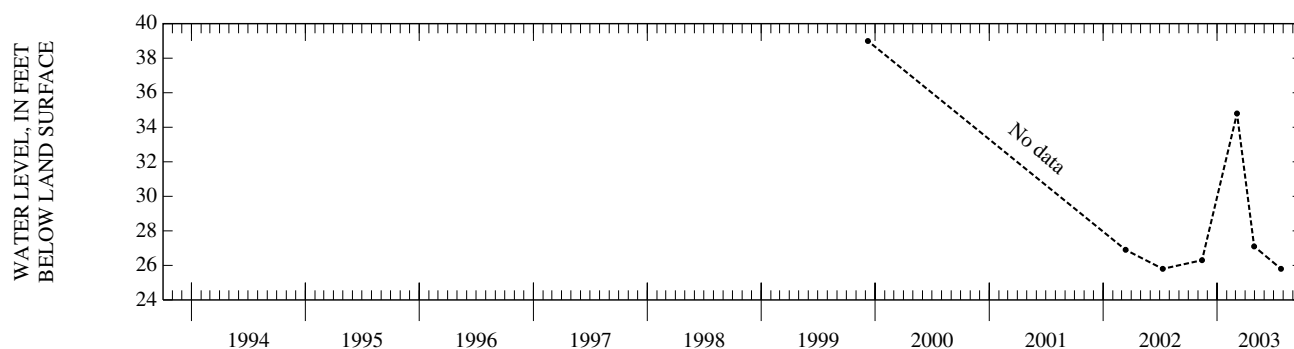
DATUM.--Elevation of land surface datum is 30 ft above NGVD of 1929. Measuring point: Center line of sample faucet on main line, 4.1 ft above land-surface datum.

PERIOD OF RECORD.--1999, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 39.0 ft above land-surface datum (reported), Dec. 8, 1999; lowest recorded, 25.8 ft above land-surface datum, July 10, 2002, July 24, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	+26.3	MAR 05	+34.8	APR 29	+27.1	JUL 24	+25.8
WATER YEAR 2003		HIGHEST	+34.8	MAR 05, 2003	LOWEST	+25.8	JUL 24, 2003



TANGIPAHOA PARISH

LOCAL NUMBER.--Ta-260, Site ID 304550090304101.

LOCATION.--Lat 30°45'50", long 90°30'41", Hydrologic Unit 08070205, Sec. 28, T. 3S, R. 7E.

AQUIFER.--Amite aquifer of Miocene age (122AMIT).

WELL CHARACTERISTICS.--Depth 2,013 ft, screened 1,951-2,013 ft, casing diameter 4 in.

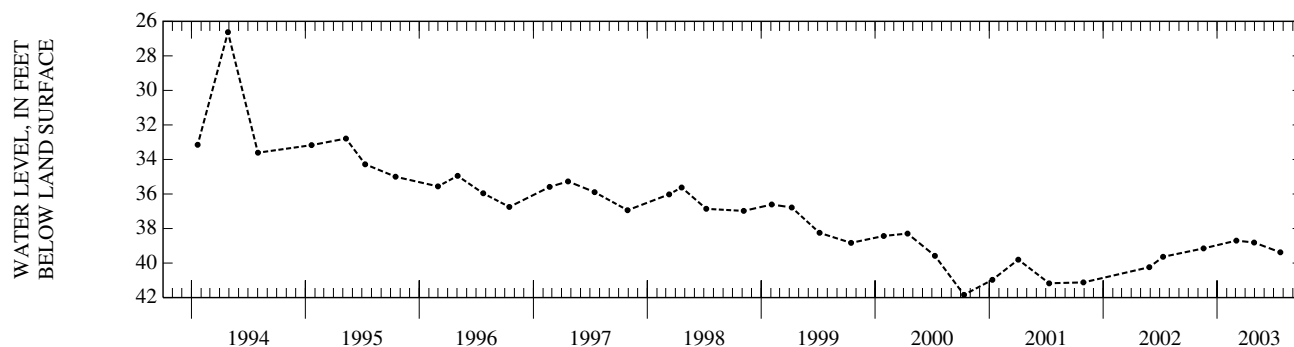
DATUM.--Elevation of land surface datum is 130.86 ft above sea level. Measuring point: Top of 4x2-in. reducer, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 34.65 ft above land-surface datum (reported), May 5, 1953; lowest recorded, 41.84 ft below land-surface datum, Oct. 11, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	39.15	MAR 03	38.70	APR 29	38.81	JUL 22	39.38
WATER YEAR 2003		HIGHEST	38.70	MAR 03, 2003	LOWEST	39.38	JUL 22, 2003



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-268, Site ID 302957090274001.

LOCATION.--Hydrologic Unit 08070203.

AQUIFER.--Hammond aquifer of Miocene age (122HMND).

WELL CHARACTERISTICS.--Depth 2,449 ft, screened 2,365-2,449 ft, casing diameter 12 to 8 in.

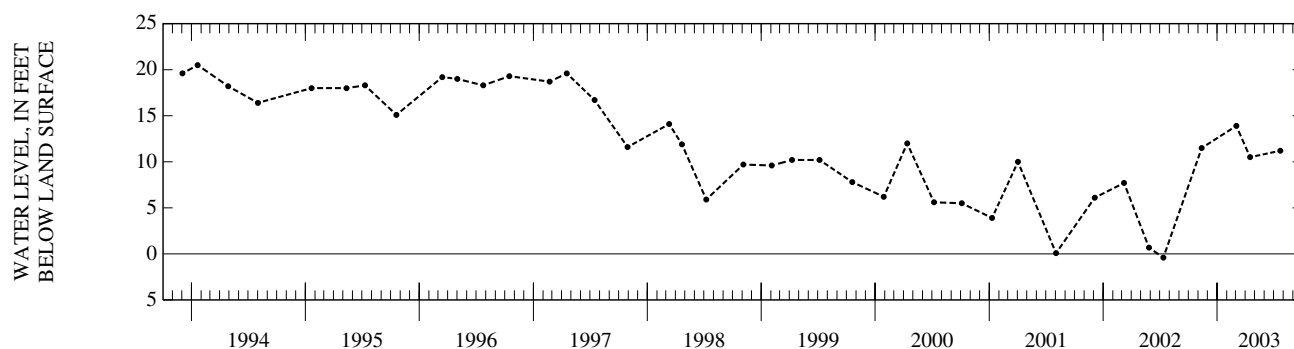
DATUM.--Elevation of land surface datum is 35 ft above NGVD of 1929. Measuring point: Center line of faucet on discharge line, 2.7 ft above land-surface datum.

PERIOD OF RECORD.--1956-85, 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 128.00 ft above land-surface datum (reported), Oct. 21, 1956; lowest recorded, 0.41 ft below land-surface datum, July 12, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	+11.5	MAR 03	+13.9	APR 16	+10.5	JUL 22	+11.2
WATER YEAR 2003 HIGHEST +13.9 MAR 03, 2003		LOWEST +10.5 APR 16, 2003					



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-273, Site ID 302519090311401.

LOCATION.--Lat 30°25'19", long 90°31'14", Hydrologic Unit 08070203, Sec. 44, T. 7S, R. 7E..

AQUIFER.--Tchefuncte aquifer of Miocene age (122TCFC).

WELL CHARACTERISTICS.--Depth 2,329 ft, screened 2,289-2,329 ft, casing diameter 3 in.

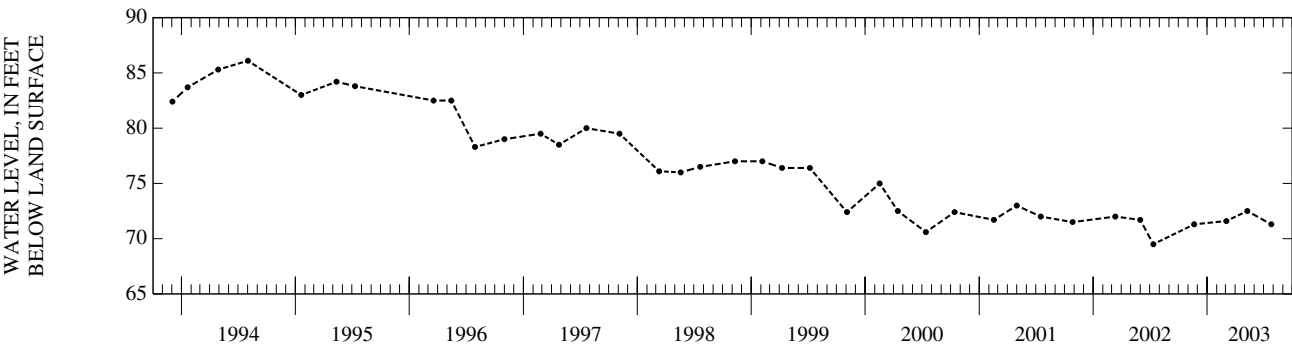
DATUM.--Elevation of land surface datum is 11 ft above NGVD of 1929. Measuring point: Center line of tee connection, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--1960-85, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 127.2 ft above land-surface datum, Apr. 12, 1960, May 16, 1960; lowest recorded, 69.5 ft above land-surface datum, July 12, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	+71.3	MAR 03	+71.6	MAY 09	+72.5	JUL 25	+71.3
WATER YEAR 2003 HIGHEST		+72.5 MAY 09, 2003		LOWEST		+71.3 NOV 20, 2002	



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-278, Site ID 303420090221701.

LOCATION.--Lat 30°34'20", long 90°22'17", Hydrologic Unit 08070205, Sec. 35, T. 5S, R. 8E.

AQUIFER.--Covington aquifer of Pliocene age (120CVGN).

WELL CHARACTERISTICS.--Depth 1,430 ft, screened 1,410-1,430 ft, casing diameter 2 in.

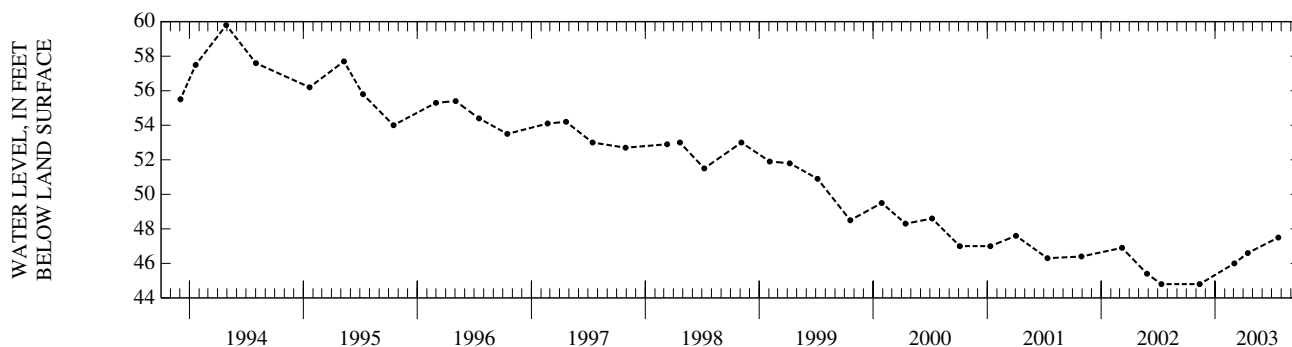
DATUM.--Elevation of land surface datum is 52 ft above NGVD of 1929. Measuring point: Center line of sample faucet, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1961, 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 87.8 ft above land-surface datum (reported), Jan. 14, 1961; lowest recorded, 44.8 ft above land-surface datum, July 12, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	+44.8	MAR 03	+46.0	APR 15	+46.6	JUL 22	+47.5
WATER YEAR 2003 HIGHEST		+47.5 JUL 22, 2003		LOWEST		+44.8 NOV 12, 2002	



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-343, Site ID 303104090335901.

LOCATION.--Lat 30°31'04", long 90°33'59", Hydrologic Unit 08070203, Sec. 24, T. 6S, R. 6E.

AQUIFER.--Hammond aquifer of Miocene age (122HMND).

WELL CHARACTERISTICS.--Depth 2,442 ft, screened 2,402-2,442 ft, casing diameter 8 to 6 in.

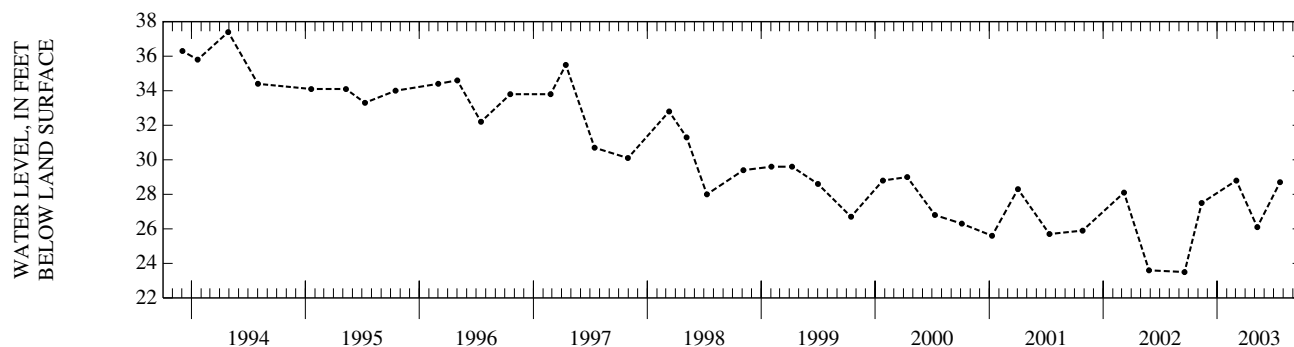
DATUM.--Elevation of land surface datum is 42 ft above NGVD of 1929. Measuring point: Center line of sample faucet on bend of 8-in. pipe, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--1969, 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 87.43 ft above land-surface datum, May 19, 1969; lowest recorded, 23.5 ft above land-surface datum, Sept. 18, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	+27.5	MAR 03	+28.8	MAY 09	+26.1	JUL 21	+28.7
WATER YEAR 2003		HIGHEST	+28.8	MAR 03, 2003	LOWEST	+26.1	MAY 09, 2003



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-362, Site ID 305737090322501.

LOCATION.--Lat 30°57'37", long 90°32'25", Hydrologic Unit 08070205, Sec. 40, T. 1S, R. 7E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 43 ft, screened 40-43 ft, casing diameter 1 1/4 in.

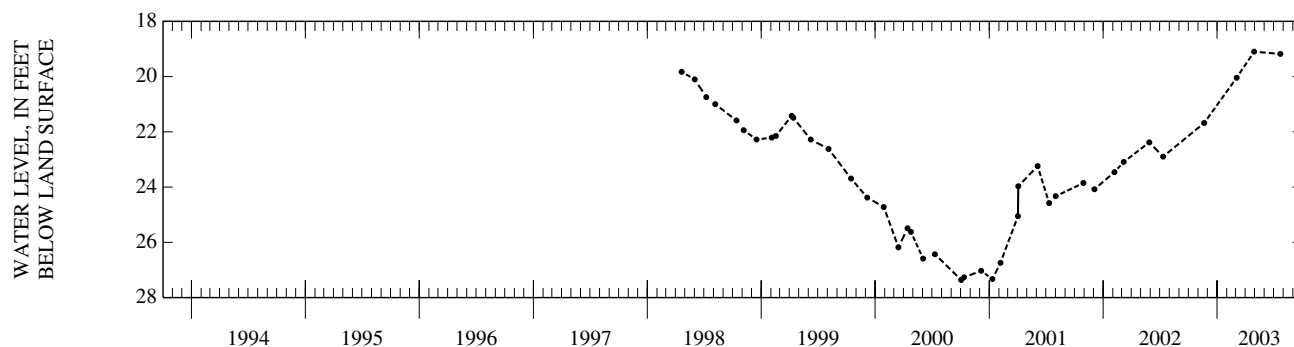
DATUM.--Elevation of land surface datum is 265 ft above NGVD of 1929. Measuring point: Top of 1 1/4-in. casing, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--1968-89, 1991, 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 16.65 ft below land-surface datum, Apr. 28, 1980; lowest recorded, 27.36 ft below land-surface datum, Oct. 2, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	21.68	MAR 04	20.04	APR 29	19.10	JUL 22	19.18
WATER YEAR 2003		HIGHEST	19.10	APR 29, 2003	LOWEST	21.68	NOV 20, 2002



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-440, Site ID 305434090264201.

LOCATION.--Lat 30°54'34", long 90°26'42", Hydrologic Unit 08070205, Sec. 47, T. 2S, R. 8E.

AQUIFER.--Kentwood aquifer of Pliocene age (120KNTD).

WELL CHARACTERISTICS.--Depth 603 ft, screened 593-603 ft, casing diameter 2 in.

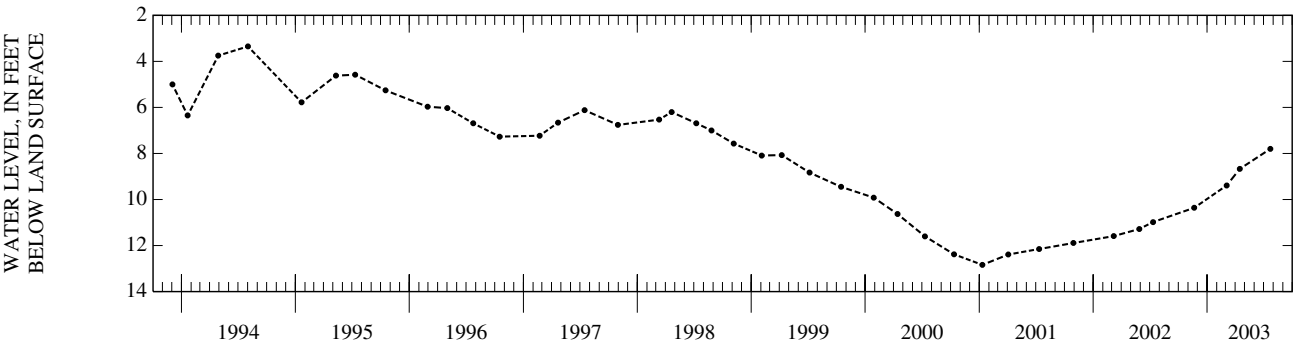
DATUM.--Elevation of land surface datum is 220 ft above NGVD of 1929. Measuring point: Top of 2-in. galvanized pipe, 2.15 ft above land-surface datum.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.61 ft below land-surface datum, Sept. 24, 1975; lowest recorded, 12.84 ft below land-surface datum, Jan. 10, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	10.36	MAR 04	9.39	APR 15	8.67	JUL 22	7.80
WATER YEAR 2003		HIGHEST	7.80	JUL 22, 2003	LOWEST	10.36	NOV 20, 2002



TANGIPAHOA PARISH--Continued

LOCAL NUMBER.--Ta-454, Site ID 305604090312101.

LOCATION.--Hydrologic Unit 08070205.

AQUIFER.--Kentwood aquifer of Pliocene age (120KNTD).

WELL CHARACTERISTICS.--Depth 720 ft, screened 640-720 ft, casing diameter 12 to 8 in.

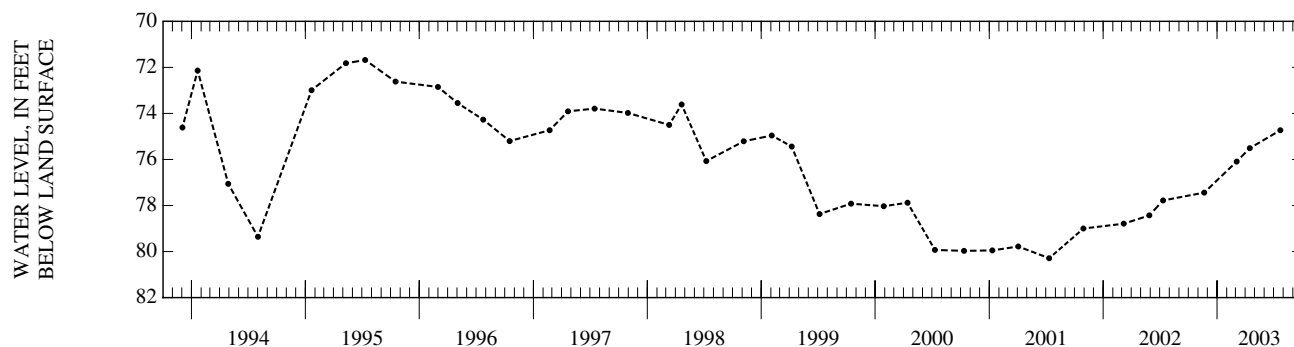
DATUM.--Elevation of land surface datum is 288 ft above NGVD of 1929. Measuring point: North side of well, hole in casing, 2.24 ft above land-surface datum.

PERIOD OF RECORD.--1983, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 70.09 ft below land-surface datum, Jan. 14, 1992; lowest recorded, 84.41 ft below land-surface datum, July 2, 1990.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	77.44	MAR 04	76.09	APR 15	75.51	JUL 22	74.73
WATER YEAR 2003 HIGHEST 74.73 JUL 22, 2003				LOWEST 77.44 NOV 20, 2002			



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-529, Site ID 303726090290901.

LOCATION.--Lat 30°37'26", long 90°29'09", Hydrologic Unit 08070203, Sec. 10, T. 5S, R. 7E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 53 ft, screened 23-53 ft, casing diameter 4 in.

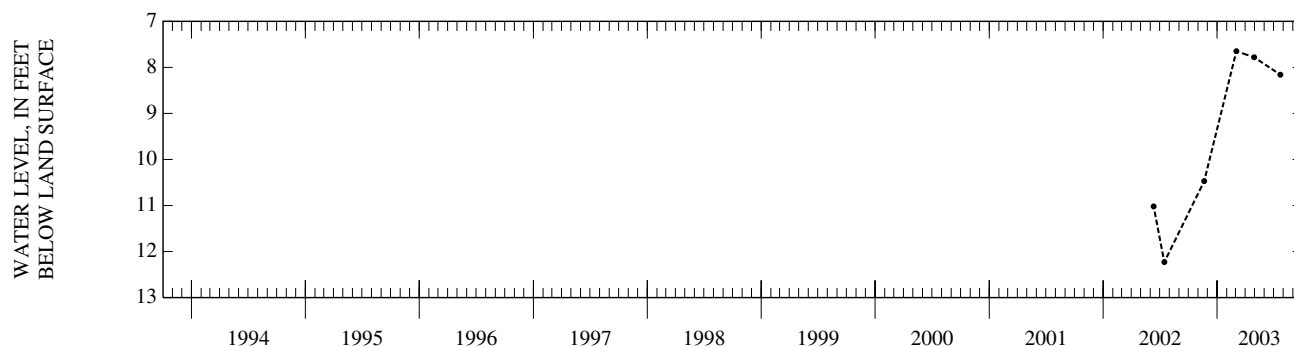
DATUM.--Elevation of land surface datum is 77 ft above NGVD of 1929. Measuring point: Top of sanitary seal, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1987, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.65 ft below land-surface datum, Mar. 3, 2003; lowest recorded, 13.00 ft below land-surface datum (reported), Sept. 21, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	10.47	MAR 03	7.65	APR 29	7.78	JUL 22	8.16
WATER YEAR 2003		HIGHEST	7.65	MAR 03, 2003	LOWEST	10.47	NOV 20, 2002



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-557, Site ID 302820090192901.

LOCATION.--Lat 30°28'20", long 90°19'29", Hydrologic Unit 08070205, Sec. 54, T. 7S, R. 9E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 200 ft, screened 170-200 ft, casing diameter 4 in.

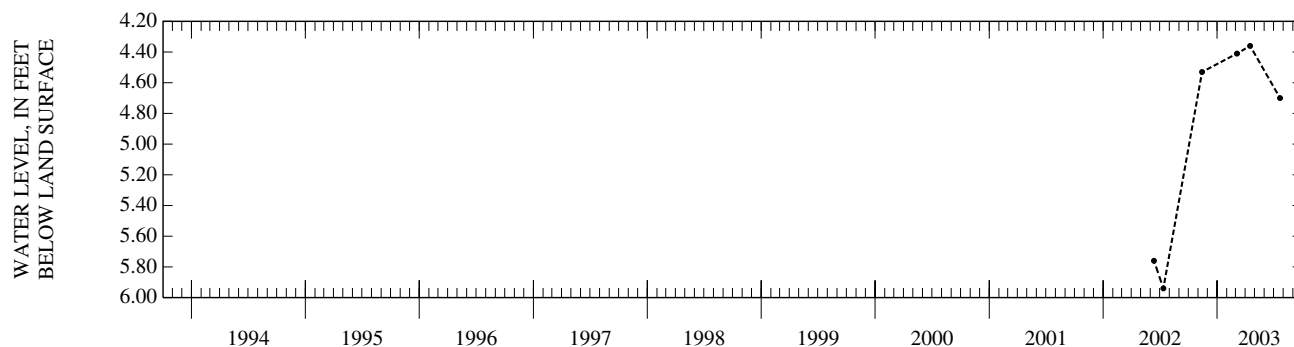
DATUM.--Elevation of land surface datum is 26 ft above NGVD of 1929. Measuring point: Top of reducer on vent pipe, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--1989, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.36 ft below land-surface datum, Apr. 16, 2003; lowest recorded, 5.94 ft below land-surface datum, July 12, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	4.53	MAR 05	4.41	APR 16	4.36	JUL 21	4.70
WATER YEAR 2003 HIGHEST		4.36	APR 16, 2003	LOWEST		4.70	JUL 21, 2003



LOCAL NUMBER.--Ta-772, Site ID 303835090182701.

LOCATION.--Lat 30°38'34", long 90°18'27", Hydrologic Unit 08070205, Sec. 4, T. 5S, R. 9E.

AQUIFER.--Covington aquifer of Pliocene age (120CVGN).

WELL CHARACTERISTICS.--Depth 1,355 ft, screened 1,285-1,335 ft, casing diameter 6 to 4 in.

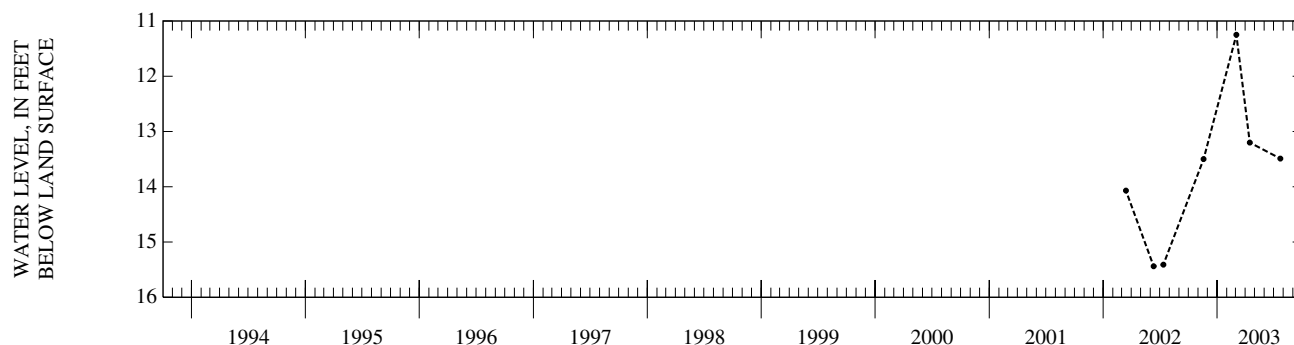
DATUM.--Elevation of land surface datum is 133 ft above NGVD of 1929. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.00 ft below land-surface datum (reported), Oct. 10, 1991; lowest recorded, 15.44 ft below land-surface datum, June 11, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	13.50	MAR 03	11.25	APR 15	13.20	JUL 22	13.49
WATER YEAR 2003 HIGHEST		11.25	MAR 03, 2003	LOWEST		13.50	NOV 18, 2002



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-835, Site ID 302741090244701.

LOCATION.--Hydrologic Unit 08070204.

AQUIFER.--Covington aquifer of Pliocene age (120CVGN).

WELL CHARACTERISTICS.--Depth 1,905 ft, screened 1,800-1,900 ft, casing diameter 16 to 12 in.

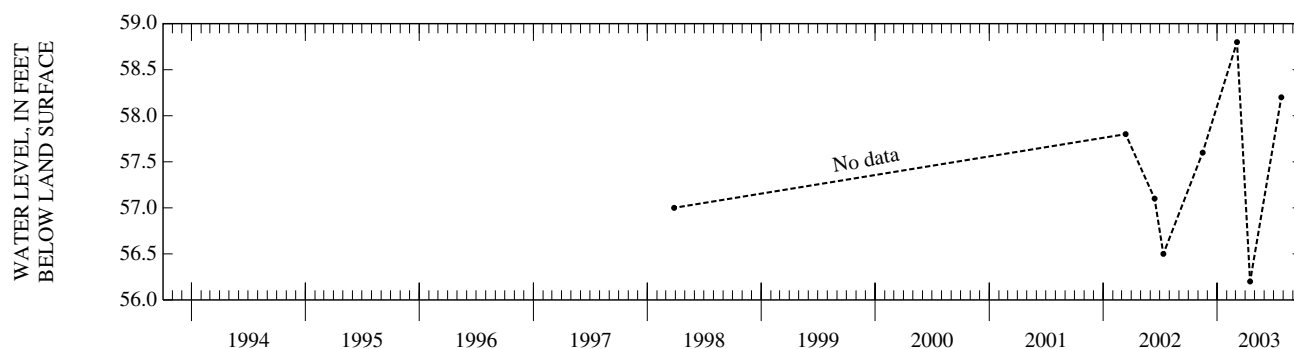
DATUM.--Elevation of land surface datum is 25 ft above NGVD of 1929. Measuring point: Center line of faucet on main, 4.6 ft above land-surface datum.

PERIOD OF RECORD.--1998, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 58.8 ft above land-surface datum, Mar. 5, 2003; lowest recorded, 56.2 ft above land-surface datum, Apr. 16, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	+57.6	MAR 05	+58.8	APR 16	+56.2	JUL 25	+58.2
WATER YEAR 2003		HIGHEST	+58.8 MAR 05, 2003	LOWEST	+56.2 APR 16, 2003		



TANGIPAHOA PARISH—Continued

LOCAL NUMBER.--Ta-6551Z, Site ID 304707090173301.

LOCATION.--Lat 30°47'07", long 90°17'33", Hydrologic Unit 08090201, Sec. 16, T. 3S, R. 9E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 93 ft, screened 83-93 ft, casing diameter 4 in.

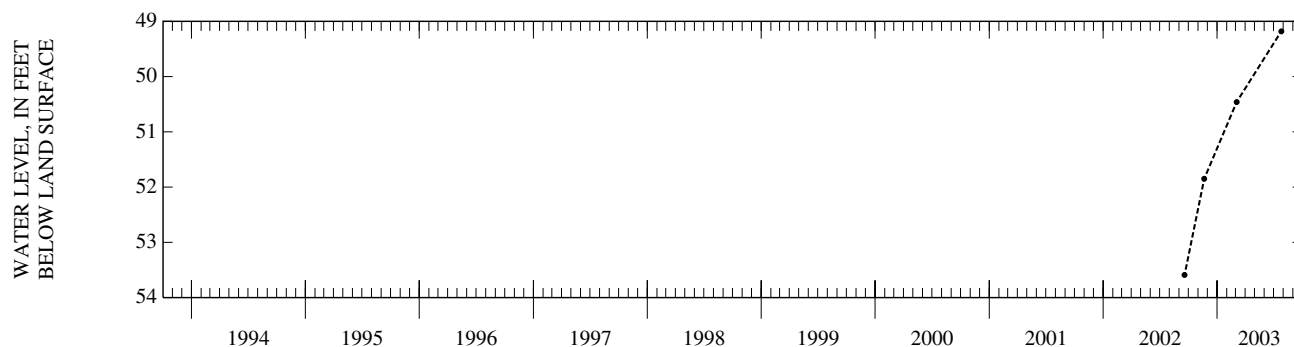
DATUM.--Elevation of land surface datum is 206 ft above NGVD of 1929. Measuring point: Hole in sanitary seal, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--1992, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 35.00 ft below land-surface datum (reported), Apr. 16, 1992; lowest recorded, 53.59 ft below land-surface datum, Sept. 18, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	51.85	MAR 04	50.46	JUL 25	49.18
WATER YEAR 2003 HIGHEST		49.18 JUL 25, 2003	LOWEST		51.85 NOV 20, 2002



TENSAS PARISH

LOCAL NUMBER.--Ts-8, Site ID 320431091144801.

LOCATION.--Lat 32°04'31", long 91°14'48", Hydrologic Unit 08050003, Sec. 4, T.13N, R.12E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 110 ft, screened 80-110 ft, casing diameter 12 in.

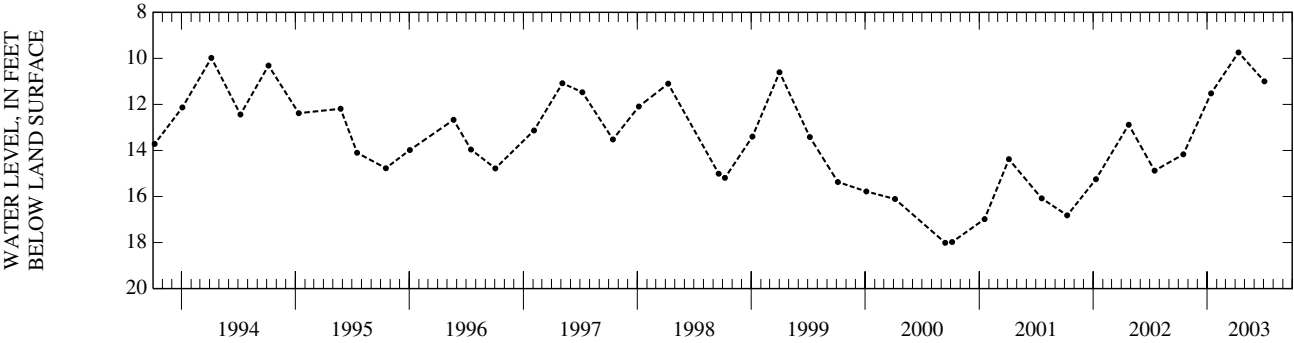
DATUM.--Elevation of land surface datum is 79.60 ft above NGVD of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.05 ft below land-surface datum, May 30, 1979; lowest recorded, 18.01 ft below land-surface datum, Sept. 13, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	14.17	JAN 13	11.52	APR 11	9.74	JUL 03	11.00
WATER YEAR 2003 HIGHEST 9.74 APR 11, 2003 LOWEST 14.17 OCT 16, 2002							



UNION PARISH

LOCAL NUMBER.--Un-26, Site ID 324417092090001.

LOCATION.--Lat 32°44'15", long 92°09'02", Hydrologic Unit 08040202, Sec. 10, T.20N, R. 3E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 745 ft, screened 670-745 ft, casing diameter 8 to 6 in.

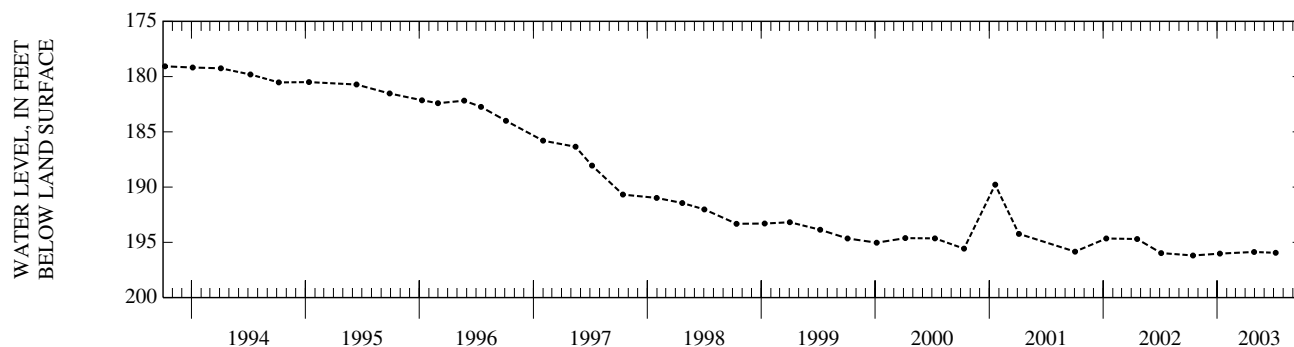
DATUM.--Elevation of land surface datum is 133.92 ft above NGVD of 1929. Measuring point: 3/4-in. hole in top of well cover, 1.90 ft above land-surface datum.

PERIOD OF RECORD.--1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 141.11 ft below land-surface datum, July 26, 1959; lowest recorded, 196.19 ft below land-surface datum, Oct. 15, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	196.19	JAN 09	196.02	APR 29	195.87	JUL 07	195.95
WATER YEAR 2003		HIGHEST	195.87	APR 29, 2003	LOWEST	196.19	OCT 15, 2002



UNION PARISH—Continued

LOCAL NUMBER.--Un-83, Site ID 325550092391602.

LOCATION.--Lat 32°55'50", long 92°39'16", Hydrologic Unit 08040206, Sec. 2, T.22N, R. 3W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 326 ft, screened 316-326 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 122 ft above NGVD of 1929. Measuring point: File marks on top of casing, 3.88 ft above land-surface datum.

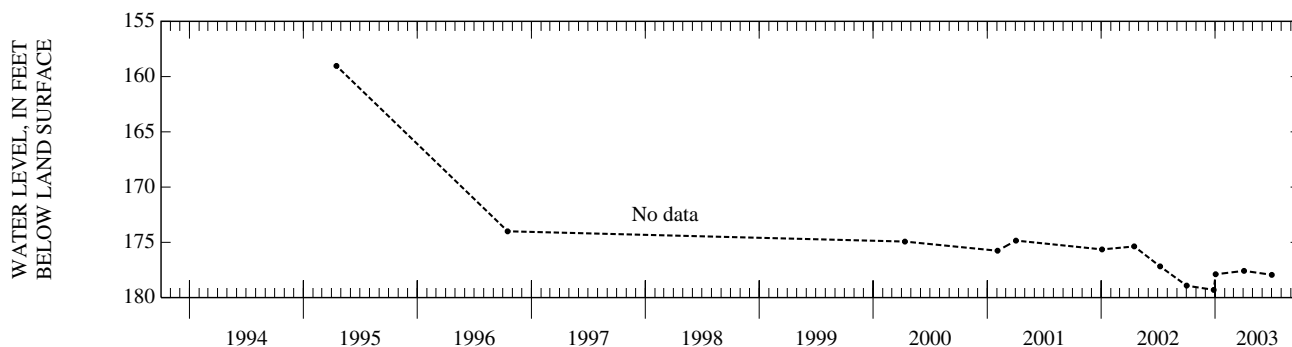
PERIOD OF RECORD.--1968-87, 1989, 1993, 1995-96, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 111.29 ft below land-surface datum, Oct. 8, 1968; lowest recorded, 179.30 ft below land-surface datum, Dec. 27, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	178.92	DEC 27	179.30	JAN 02	177.89	APR 03	177.58	JUL 01	177.94

WATER YEAR 2003 HIGHEST 177.58 APR 03, 2003 LOWEST 179.30 DEC 27, 2002



LOCAL NUMBER.--Un-84, Site ID 325647092241501.

LOCATION.--Lat 32°56'47", long 92°24'15", Hydrologic Unit 08040202, Sec. 30, T.23N, R. 1E.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 696 ft, screened 686-696 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 210 ft above NGVD of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

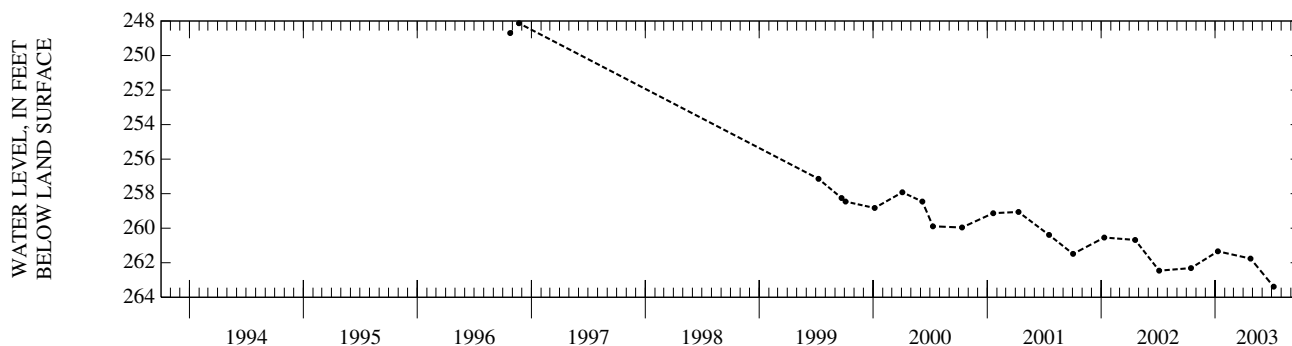
PERIOD OF RECORD.--1983, 1996, 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 196.09 ft below land-surface datum, Oct. 17, 1968; lowest recorded, 263.39 ft below land-surface datum, July 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	262.31	JAN 09	261.34	APR 24	261.76	JUL 07	263.39

WATER YEAR 2003 HIGHEST 261.34 JAN 09, 2003 LOWEST 263.39 JUL 07, 2003



VERMILION PARISH

LOCAL NUMBER.--Ve-637L, Site ID 295345092100703.

LOCATION.--Lat 29°53'45", long 92°10'07", Hydrologic Unit 08080103, Sec. 15, T.13S, R. 3E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 243 ft, screened 233-243 ft, casing diameter 4 to 1 1/2 in.

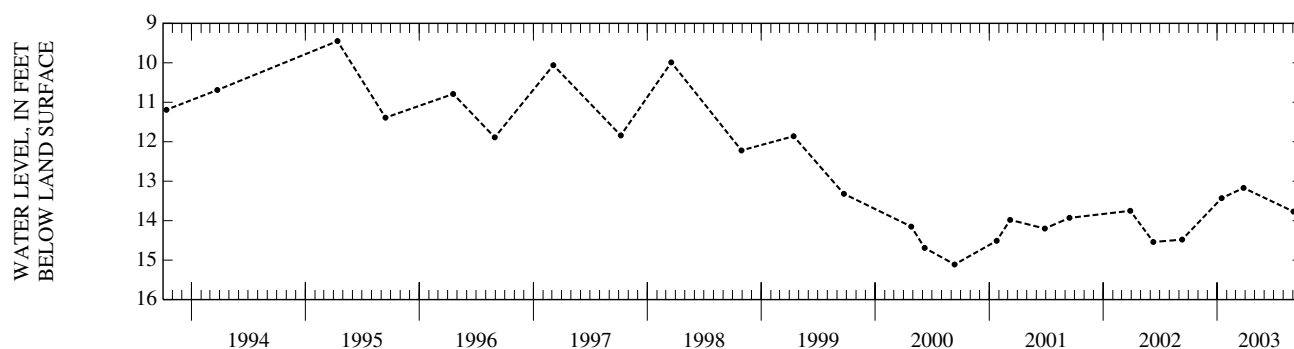
DATUM.--Elevation of land surface datum is 4.06 ft above NGVD of 1929. Measuring point: Top of 1 1/2-in. pipe, 2.66 ft above land-surface datum.

PERIOD OF RECORD.--1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 8.10 ft below land-surface datum, Feb. 24, 1966; lowest recorded, 15.11 ft below land-surface datum, Jan. 25, 1970 and Sept. 11, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	13.43	MAR 26	13.17	SEP 02	13.77
WATER YEAR 2003 HIGHEST 13.17 MAR 26, 2003 LOWEST 13.77 SEP 02, 2003					



LOCAL NUMBER.--Ve-637U, Site ID 295345092100702.

LOCATION.--Lat 29°53'45", long 92°10'07", Hydrologic Unit 08080103, Sec. 15, T.13S, R. 3E.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 198 ft, screened 188-198 ft, casing diameter 4 in.

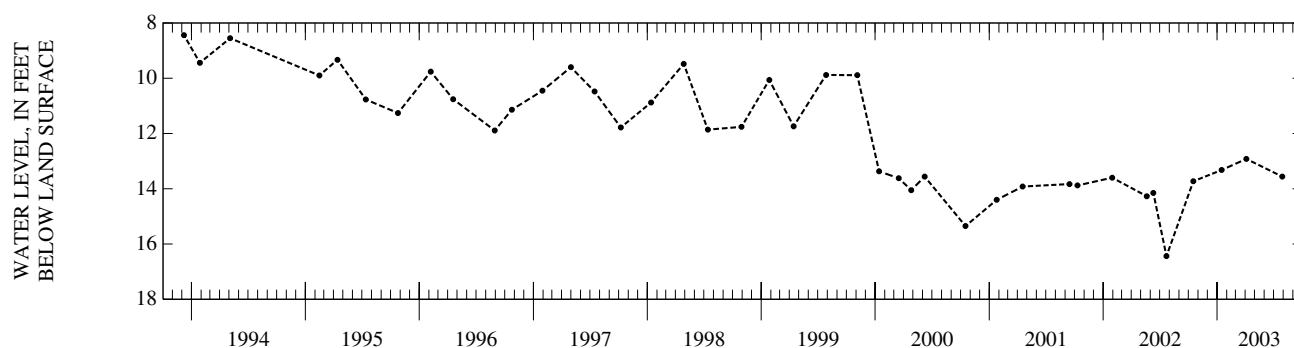
DATUM.--Elevation of land surface datum is 4.06 ft above NGVD of 1929. Measuring point: Top of 1 1/2-in. pipe, 2.66 ft above land-surface datum.

PERIOD OF RECORD.--1964-83, 1985, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.99 ft below land-surface datum, Feb. 24, 1966; lowest recorded, 16.44 ft below land-surface datum, July 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	13.73	JAN 15	13.32	APR 04	12.92	JUL 28	13.56
WATER YEAR 2003 HIGHEST 12.92 APR 04, 2003 LOWEST 13.73 OCT 16, 2002							



GROUND-WATER LEVELS
VERMILION PARISH--Continued

LOCAL NUMBER.--Ve-639, Site ID 293845092264901.

LOCATION.--Lat 29°38'45", long 92°26'49", Hydrologic Unit 08080202, Sec. 2, T.16S, R. 1W.

AQUIFER.--Chicot aquifer, upper sand unit, of Pleistocene age (112CHCTU).

WELL CHARACTERISTICS.--Depth 608 ft, screened 603-608 ft, casing diameter 2 in.

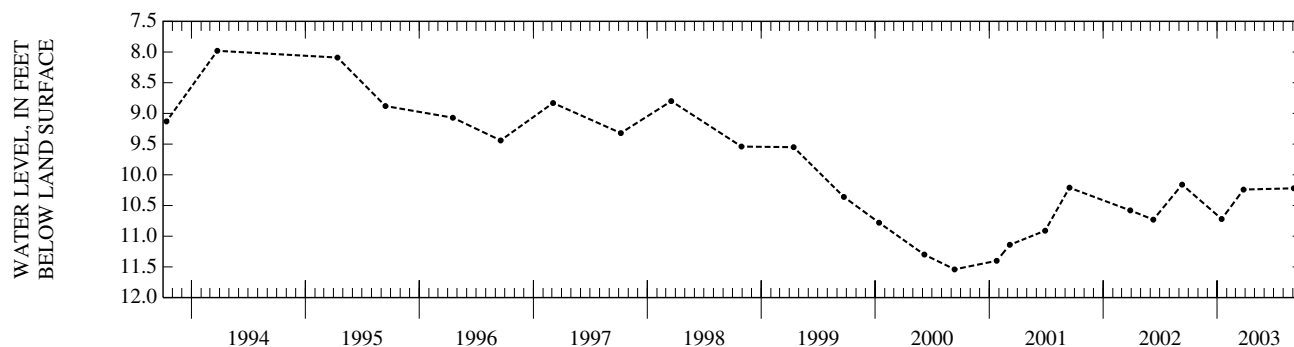
DATUM.--Elevation of land surface datum is 5.84 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1965-79, 1981, 1983-85, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.22 ft below land-surface datum, Oct. 20, 1965; lowest recorded, 11.54 ft below land-surface datum, Sept. 11, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	10.72	MAR 26	10.24	SEP 03	10.22
WATER YEAR 2003 HIGHEST 10.22 SEP 03, 2003 LOWEST 10.72 JAN 15, 2003					



VERNON PARISH

LOCAL NUMBER.--V-425B, Site ID 311201093080203.

LOCATION.--Lat 31°12'02", long 93°08'02", Hydrologic Unit 08080203, Sec. 36, T. 3N, R. 8w.

AQUIFER.--Catahoula aquifer of Miocene age (122CTHL).

WELL CHARACTERISTICS.--Depth 1,390 ft, screened 1,380-1,390 ft, casing diameter 2 in.

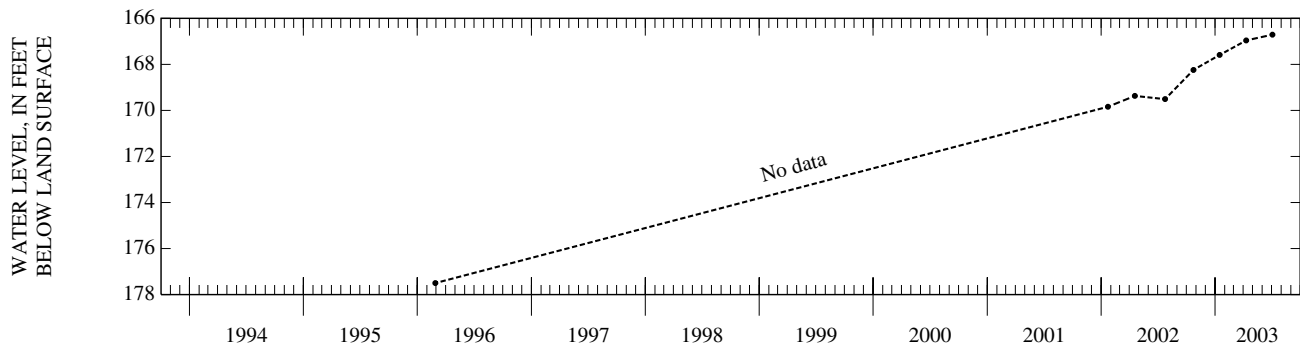
DATUM.--Elevation of land surface datum is 305 ft above NGVD of 1929. Measuring point: Top of bushing, 3.9 ft above land-surface datum.

PERIOD OF RECORD.--1967-76, 1979-89, 1996, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 155.03 ft below land-surface datum, Jan. 13, 1970; lowest recorded, 177.50 ft below land-surface datum, Feb. 27, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	168.24	JAN 15	167.59	APR 10	166.96	JUL 03	166.71
WATER YEAR 2003		HIGHEST	166.71	JUL 03, 2003	LOWEST	168.24	OCT 23, 2002



LOCAL NUMBER.--V-478, Site ID 310035093214101.

LOCATION.--Lat 31°00'35", long 93°21'41", Hydrologic Unit 08080204, Sec. 3, T. 1S, R. 9W.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 1,010 ft, screened 970-1,010 ft, casing diameter 8 to 6 to 4 1/2 in.

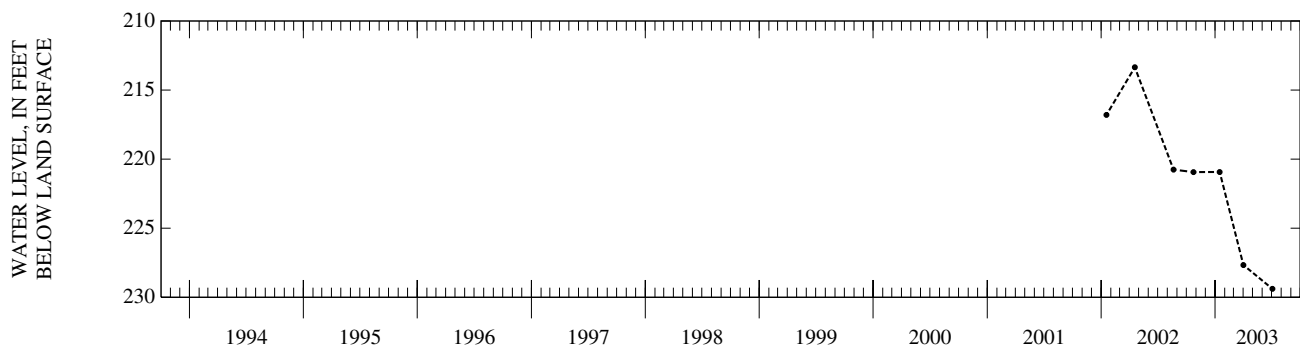
DATUM.--Elevation of land surface datum is 320 ft above NGVD of 1929. Measuring point: Gap in top plate covering casing on north side, 0.65 ft above land-surface datum.

PERIOD OF RECORD.--1977, 1986, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 203.00 ft below land-surface datum, Dec. 2, 1977; lowest recorded, 229.39 ft below land-surface datum, July 3, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	220.94	JAN 15	220.93	APR 01	227.67	JUL 03	229.39
WATER YEAR 2003		HIGHEST	220.93	JAN 15, 2003	LOWEST	229.39	JUL 03, 2003



VERNON PARISH—Continued

LOCAL NUMBER.--V-492, Site ID 310138093104501.

LOCATION.--Hydrologic Unit 08080203.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 610 ft, screened 568-608 ft, casing diameter 10 to 6 in.

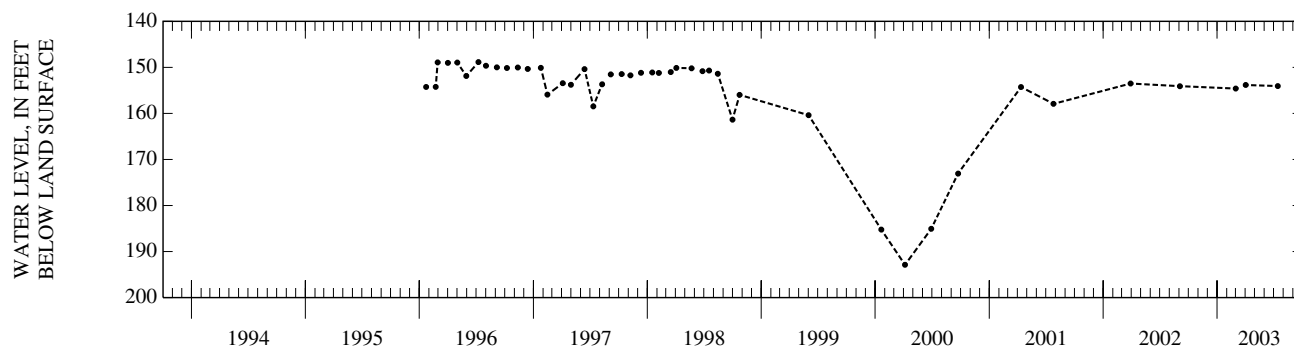
DATUM.--Elevation of land surface datum is 286.50 ft above NGVD of 1929. Measuring point: Red notch filed in lower lip of access pipe, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--1980, 1985, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 145.00 ft below land-surface datum, Dec. 10, 1980; lowest recorded, 192.88 ft below land-surface datum, Apr. 5, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 01	154.60	APR 02	153.83	JUL 14	154.06
WATER YEAR 2003 HIGHEST 153.83 APR 02, 2003 LOWEST 154.60 MAR 01, 2003					



LOCAL NUMBER.--V-496, Site ID 310412093134001.

LOCATION.--Hydrologic Unit 12010005.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 1,415 ft, screened 1,345-1,415 ft, casing diameter 16 to 10 in.

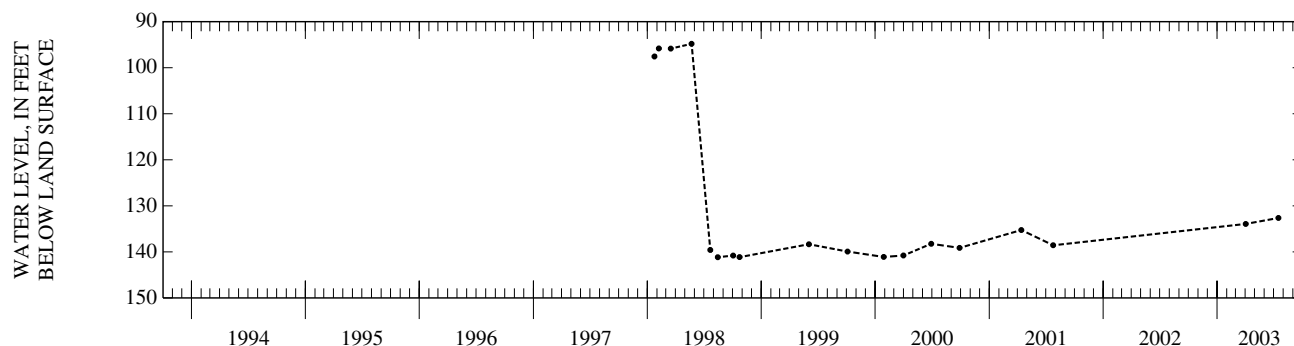
DATUM.--Elevation of land surface datum is 284.20 ft above sea level. Measuring point: Notch on east side of 1-in. pipe extending from casing cover, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1982, 1986, 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 94.82 ft below land-surface datum, May 22, 1998; lowest recorded, 141.16 ft below land-surface datum, Aug. 14, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 02	133.93	JUL 16	132.63
WATER YEAR 2003 HIGHEST 132.63 JUL 16, 2003 LOWEST 133.93 APR 02, 2003			



VERNON PARISH—Continued

LOCAL NUMBER.--V-497, Site ID 310316093115101.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 885 ft, screened 838-878 ft, casing diameter 16 to 10 in.

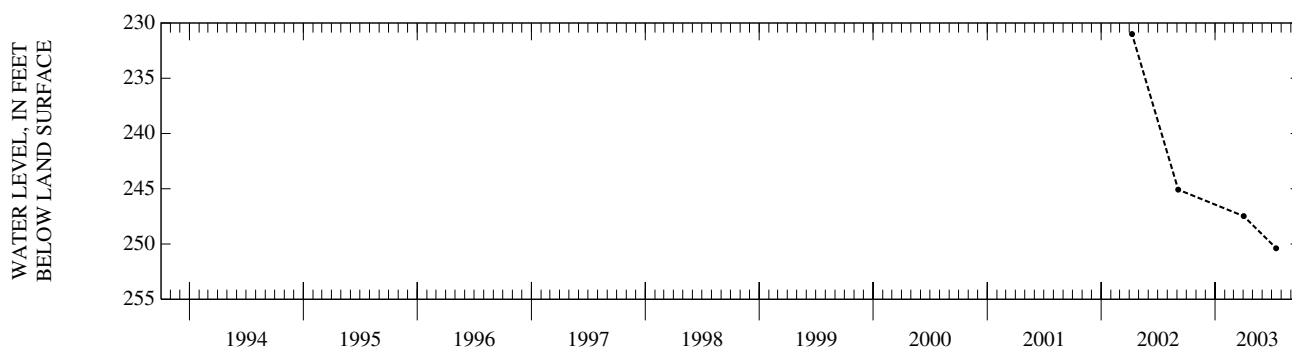
DATUM.--Elevation of land surface datum is 325 ft above NGVD of 1929. Measuring point: 1-in. hole in top of base plate, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--1982, 1985-86, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 231.00 ft below land-surface datum, Apr. 9, 2002; lowest recorded, 256.10 ft below land-surface datum, Dec. 30, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 02	247.48	JUL 15	250.38
WATER YEAR 2003 HIGHEST 250.38 JUL 15, 2003 LOWEST 250.38 JUL 15, 2003			



LOCAL NUMBER.--V-504, Site ID 310652093103101.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Carnahan bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 1,288 ft, screened 1,190-1,288 ft, casing diameter 24 to 16 to 10 in.

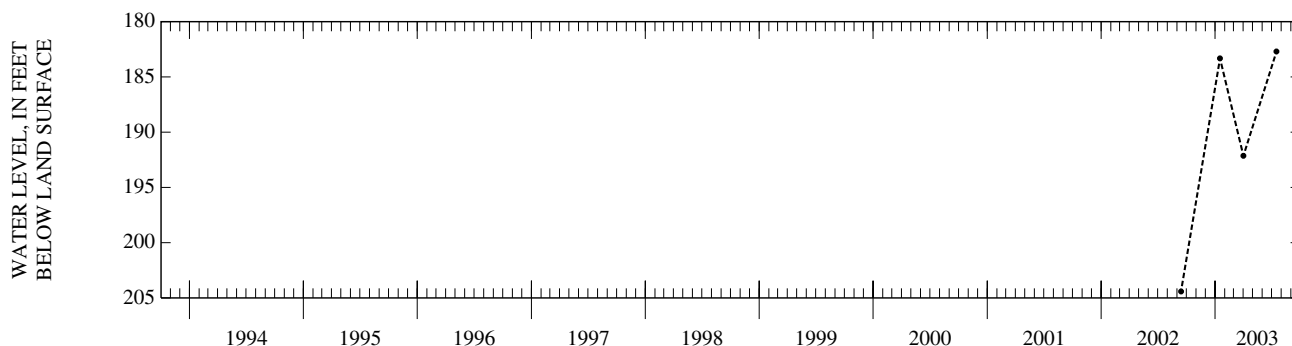
DATUM.--Elevation of land surface datum is 335 ft above NGVD of 1929. Measuring point: 1-in. pipe in 16-in. casing, 1.2 ft above land-surface datum.

PERIOD OF RECORD.--1983, 1985-86, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 173.30 ft below land-surface datum, Dec. 19, 1983; lowest recorded, 204.42 ft below land-surface datum, Sept. 13, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 16	183.32	APR 01	192.14	JUL 16	182.70
WATER YEAR 2003 HIGHEST 182.70 JUL 16, 2003 LOWEST 183.32 JAN 16, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-513, Site ID 310708093100904.

LOCATION.--Hydrologic Unit 12010005.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 1,275 ft, screened 1,167-1,217 ft and 1,245-1,275 ft, casing diameter 16 to 10 in.

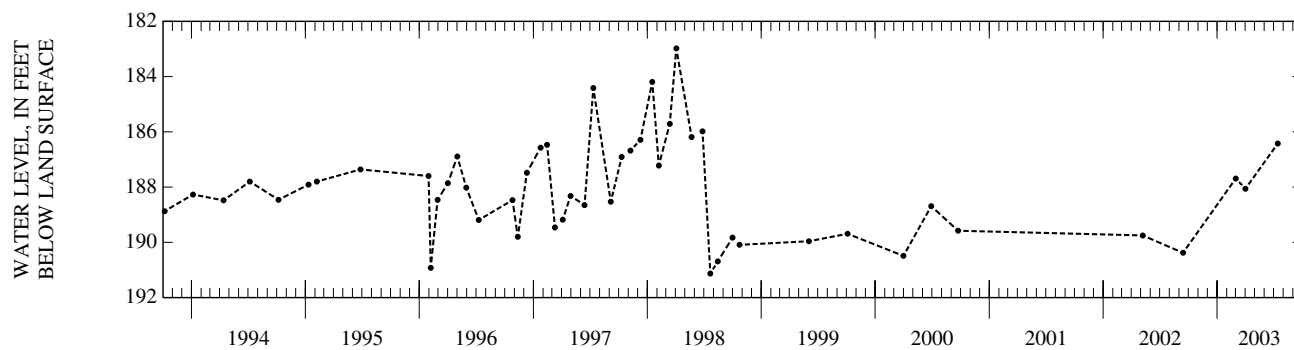
DATUM.--Elevation of land surface datum is 335 ft above NGVD of 1929. Measuring point: Coupling on top of 1-in. extension on drop pipe, 1.30 ft above land-surface datum.

PERIOD OF RECORD.--1982, 1985-2000, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 177.45 ft below land-surface datum, Jan. 3, 1992; lowest recorded, 193.00 ft below land-surface datum, Oct. 12, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 01	187.69	APR 01	188.06	JUL 14	186.42
WATER YEAR 2003 HIGHEST 186.42 JUL 14, 2003 LOWEST 188.06 APR 01, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-515, Site ID 310550093115801.

LOCATION.--Hydrologic Unit 12010005.

AQUIFER.--Carnahan Bayou aquifer of Miocene age (122CRNB).

WELL CHARACTERISTICS.--Depth 1,233 ft, screened 1,160-1,230 ft, casing diameter 24 to 16 to 10 3/4-in.

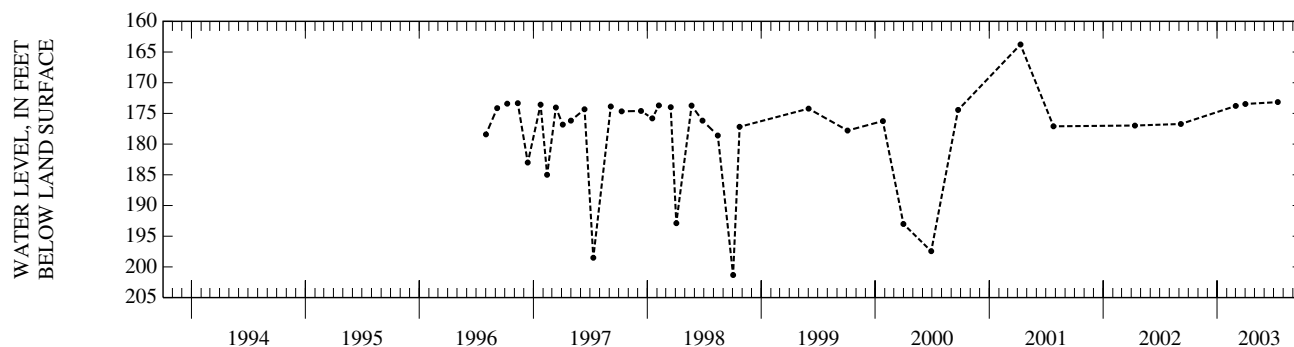
DATUM.--Elevation of land surface datum is 320 ft above NGVD of 1929. Measuring point: Lower lip of angled coupling after removing elbow, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--1985-86, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 138.00 ft below land-surface datum, Aug. 2, 1985; lowest recorded, 201.32 ft below land-surface datum, Oct. 2, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 01	173.78	APR 01	173.46	JUL 14	173.16
WATER YEAR 2003 HIGHEST 173.16 JUL 14, 2003 LOWEST 173.78 MAR 01, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-518, Site ID 310331093120002.

LOCATION.--Hydrologic Unit 12010005.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 885 ft, screened 825-885 ft, casing diameter 16 to 10 in.

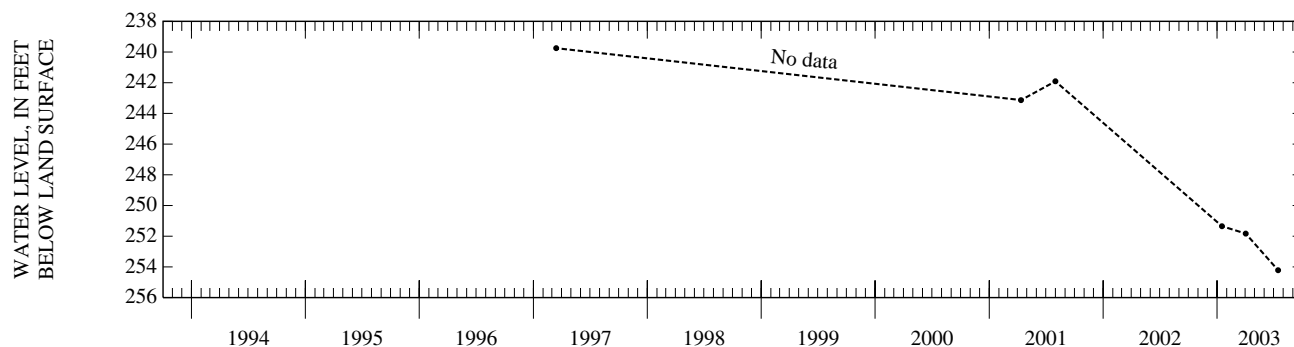
DATUM.--Elevation of land surface datum is 335 ft above NGVD of 1929. Measuring point: Top of airline on east side of well head, 2.8 ft above land-surface datum.

PERIOD OF RECORD.--1986, 1997, 2001, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 239.75 ft above land-surface datum, Mar. 14, 1997; lowest recorded, 254.22 ft below land-surface datum, July 15, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 16	251.35	APR 02	251.83	JUL 15	254.22
WATER YEAR 2003 HIGHEST 251.35 JAN 16, 2003 LOWEST 254.22 JUL 15, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-644, Site ID 310655093095101.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 612 ft, screened 539-612 ft, casing diameter 16 to 10 in.

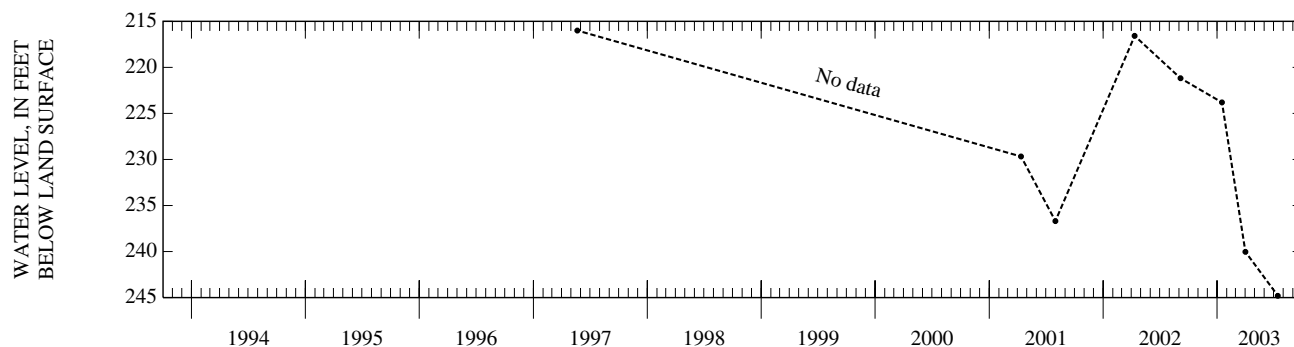
DATUM.--Elevation of land surface datum is 325 ft above NGVD of 1929. Measuring point: 1 1/4-in hole in top of wellhead cover, 2.3 ft above land-surface datum.

PERIOD OF RECORD.--1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 216.00 ft below land-surface datum, May 21, 1997; lowest recorded, 244.88 ft below land-surface datum, July 14, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 16	223.81	APR 01	240.03	JUL 14	244.80
WATER YEAR 2003 HIGHEST 223.81 JAN 16, 2003 LOWEST 244.80 JUL 14, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-651, Site ID 310452093065501.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 938 ft, screened 908-938 ft, casing diameter 6 to 3 in.

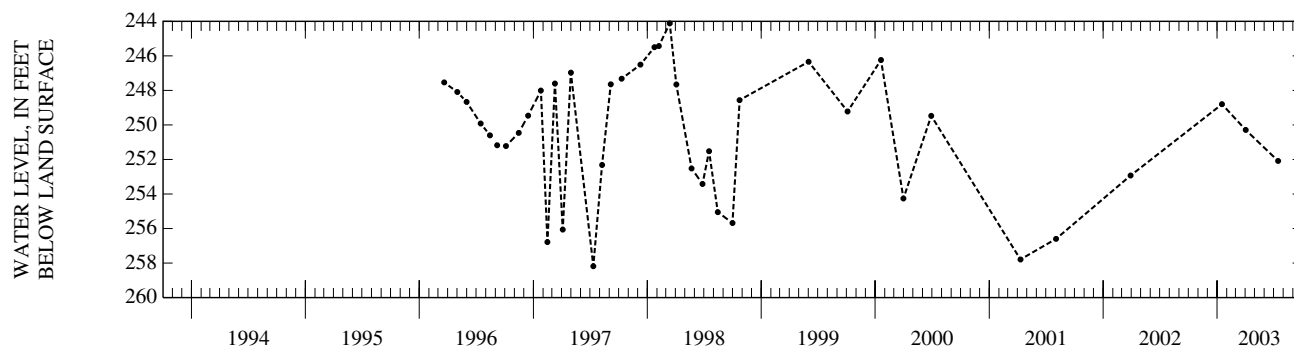
DATUM.--Elevation of land surface datum is 350 ft above NGVD of 1929. Measuring point: Red notch filed in lower wall of access pipe, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 244.12 ft below land-surface datum, Mar. 13, 1998; lowest recorded, 258.18 ft below land-surface datum, July 11, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 16	248.80	APR 02	250.29	JUL 15	252.09
WATER YEAR 2003 HIGHEST 248.80 JAN 16, 2003 LOWEST 252.09 JUL 15, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-652, Site ID 305626093124301.

LOCATION.--Lat 30°56'26", long 93°12'43", Hydrologic Unit 08080204, Sec. 32, T.15N, R. 8W.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 160 ft, screened 150-160 ft, casing diameter 4 in.

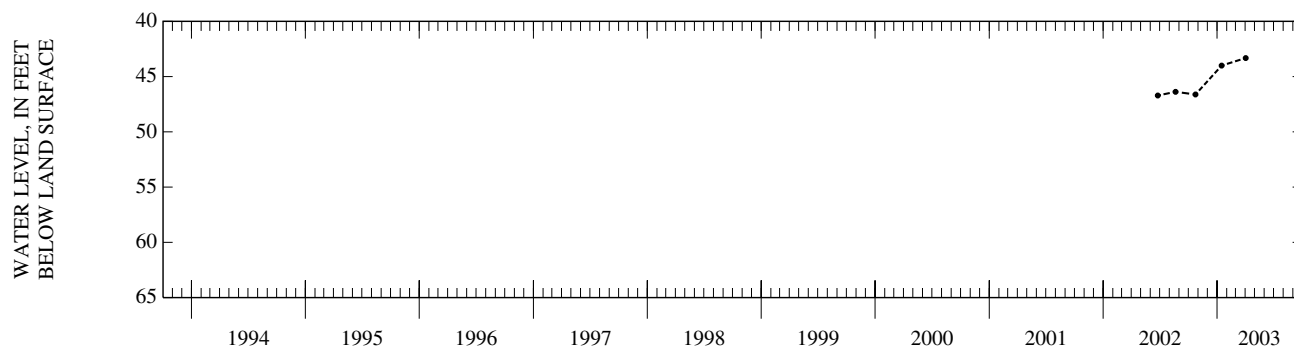
DATUM.--Elevation of land surface datum is 210 ft above NGVD of 1929. Measuring point: Top of access pipe on south side of well, 1.2 ft above land-surface datum.

PERIOD OF RECORD.--1990, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 43.32 ft below land-surface datum, Apr. 2, 2003; lowest recorded, 46.71 ft below land-surface datum, June 24, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	46.62	JAN 15	44.00	APR 02	43.32
WATER YEAR 2003 HIGHEST 43.32 APR 02, 2003 LOWEST 46.71 JUN 24, 2002					



VERNON PARISH—Continued

LOCAL NUMBER.--V-658, Site ID 310601093120201.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 635 ft, screened 505-635 ft, casing diameter 16 to 10 in.

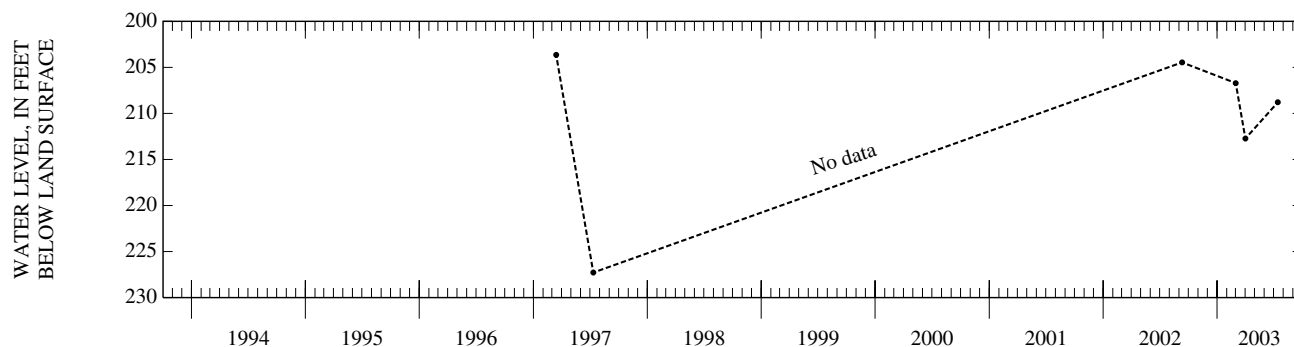
DATUM.--Elevation of land surface datum is 309 ft above NGVD of 1929. Measuring point: 1-in. pipe with threaded cap in plate, 1.6 ft above land-surface datum.

PERIOD OF RECORD.--1993, 1997, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 200.00 ft below land-surface datum (reported), June 1, 1993; lowest recorded, 227.28 ft below land-surface datum, July 11, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 01	206.71	APR 01	212.73	JUL 14	208.79
WATER YEAR 2003 HIGHEST 206.71 MAR 01, 2003 LOWEST 212.73 APR 01, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-659, Site ID 310248093125501.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 912 ft, screened 859-912 ft, casing diameter 24 to 16 in.

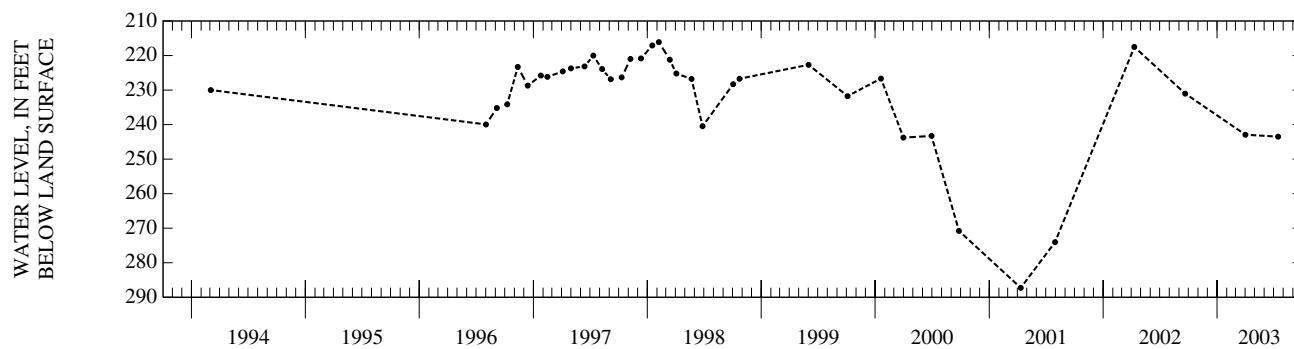
DATUM.--Elevation of land surface datum is 310 ft above NGVD of 1929. Measuring point: 3/4-in. pipe identification pipe in pump base, 2.1 ft above land-surface datum.

PERIOD OF RECORD.--1994, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 216.13 ft below land-surface datum, Feb. 6, 1998; lowest recorded, 287.27 ft below land-surface datum, Apr. 11, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 01	242.93	JUL 15	243.49
WATER YEAR 2003 HIGHEST 243.49 JUL 15, 2003 LOWEST 243.49 JUL 15, 2003			



VERNON PARISH—Continued

LOCAL NUMBER.--V-661, Site ID 310348093121101.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 860 ft, screened 807-860 ft, casing diameter 16 to 10 in.

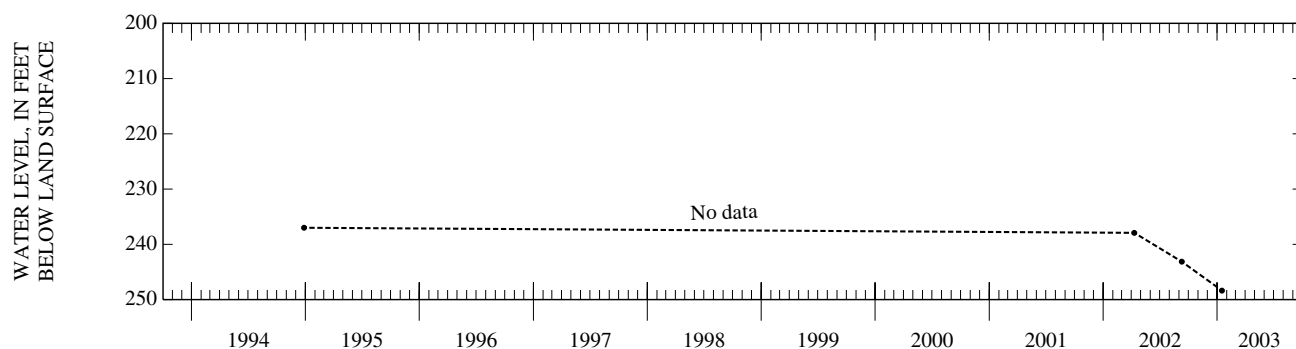
DATUM.--Elevation of land surface datum is 332 ft above NGVD of 1929. Measuring point: 2-in. vent pipe, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1991, 1997, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 201.22 ft below land-surface datum, Apr. 3, 2003; lowest recorded, 248.37 ft below land-surface datum, Jan. 16, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL
JAN 16	248.37
WATER YEAR 2003 HIGHEST 201.22 APR 02, 2003	
LOWEST 248.37 JAN 16, 2003	



VERNON PARISH—Continued

LOCAL NUMBER.--V-669, Site ID 310301093124201.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 904 ft, screened 844-904 ft, casing diameter 16 to 10 in.

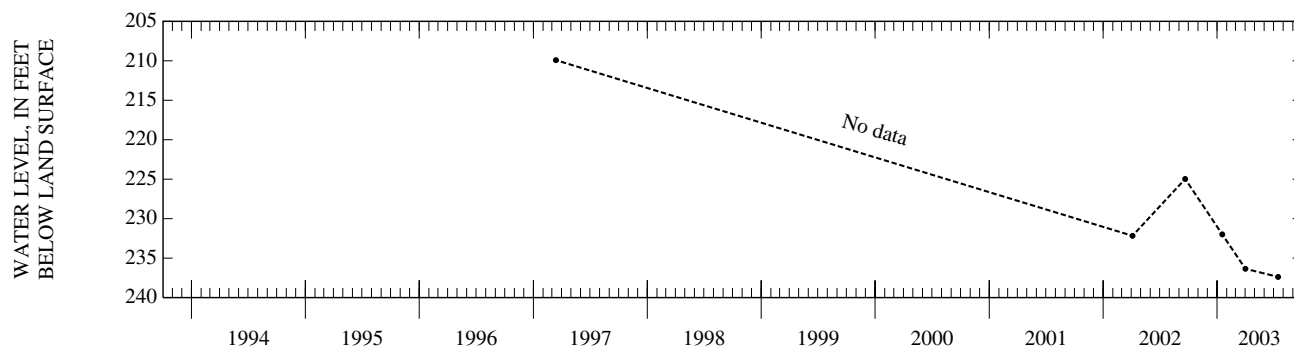
DATUM.--Elevation of land surface datum is 315 ft above NGVD of 1929. Measuring point: 1 1/2-in. vent pipe on west side of cement wellhead, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--1992, 1997, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 209.92 ft below land-surface datum, Mar. 13, 1997; lowest recorded, 237.38 ft below land-surface datum, July 15, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 17	232.00	APR 01	236.35	JUL 15	237.38
WATER YEAR 2003 HIGHEST 232.00 JAN 17, 2003 LOWEST 237.38 JUL 15, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-8502Z, Site ID 310440092550501.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 190 ft, screened 180-190 ft, casing diameter 2 in.

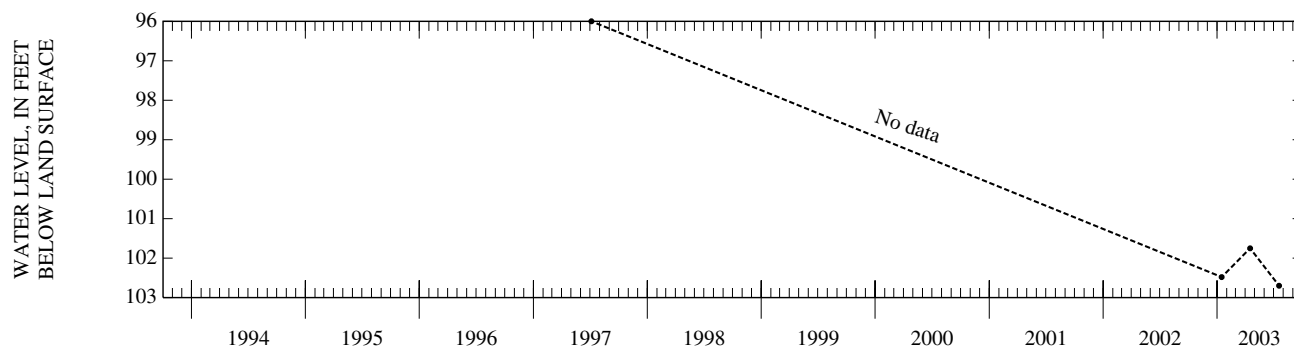
DATUM.--Elevation of land surface datum is 350 ft above NGVD of 1929. Measuring point: Top of PVC casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1997, current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 96.00 ft above land-surface datum (reported), July 5, 1997; lowest recorded, 102.70 ft below land-surface datum, July 18, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	102.48	APR 16	101.75	JUL 18	102.70
WATER YEAR 2003 HIGHEST 101.75 APR 16, 2003 LOWEST 102.70 JUL 18, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-8507Z, Site ID 310605092560201.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 160 ft, screened 150-160 ft, casing diameter 2 in.

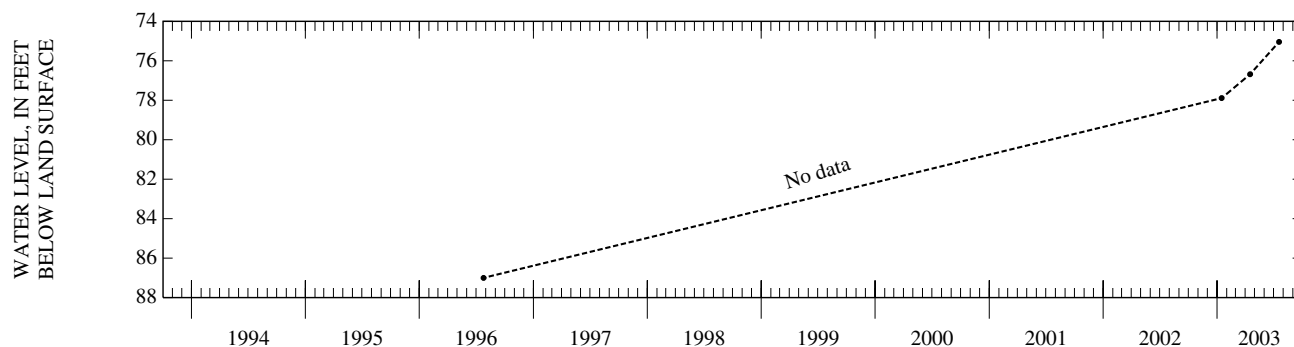
DATUM.--Elevation of land surface datum is 300 ft above NGVD of 1929. Measuring point: Top of PVC casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1996, current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 75.04 ft above land-surface datum, July 18, 2003; lowest recorded, 87.00 ft below land-surface datum (reported), July 24, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	77.89	APR 16	76.68	JUL 18	75.04
WATER YEAR 2003 HIGHEST 75.04 JUL 18, 2003 LOWEST 77.89 JAN 15, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-8508Z, Site ID 310607092572601.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 90 ft, screened 80-90 ft, casing diameter 2 in.

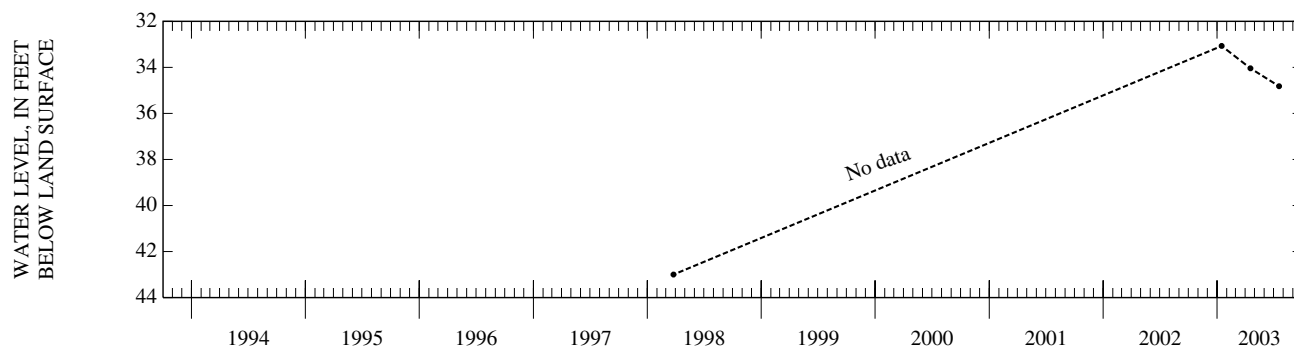
DATUM.--Elevation of land surface datum is 335 ft above NGVD of 1929. Measuring point: Top of PVC casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1998, current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 33.07 ft above land-surface datum, Jan. 15, 2003; lowest recorded, 43.00 ft below land-surface datum (reported), Mar. 25, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	33.07	APR 17	34.04	JUL 18	34.82
WATER YEAR 2003 HIGHEST 33.07 JAN 15, 2003 LOWEST 43.00 MAR 25, 1998					



VERNON PARISH—Continued

LOCAL NUMBER.--V-8586Z, Site ID 310821093054001.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 475 ft, screened 455-475 ft, casing diameter 2 in.

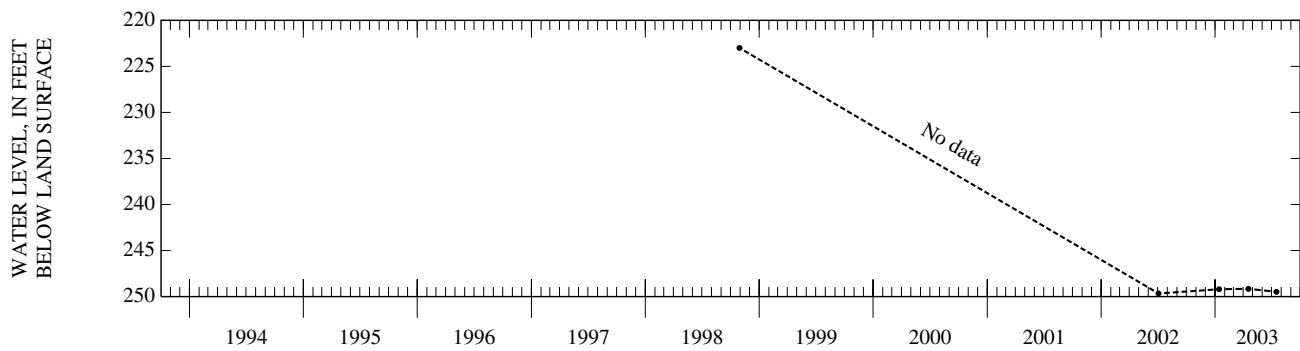
DATUM.--Elevation of land surface datum is 380 ft above NGVD of 1929. Measuring point: Top of PVC pipe, at land-surface datum.

PERIOD OF RECORD.--1998, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 223.00 ft below land-surface datum (reported), Oct. 29, 1998; lowest recorded, 249.66 ft below land-surface datum, July 3, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	249.20	APR 17	249.16	JUL 16	249.48
WATER YEAR 2003 HIGHEST 249.16 APR 17, 2003 LOWEST 249.48 JUL 16, 2003					



LOCAL NUMBER.--V-8588Z, Site ID 310647093090601.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 400 ft, screened 380-400 ft, casing diameter 2 in.

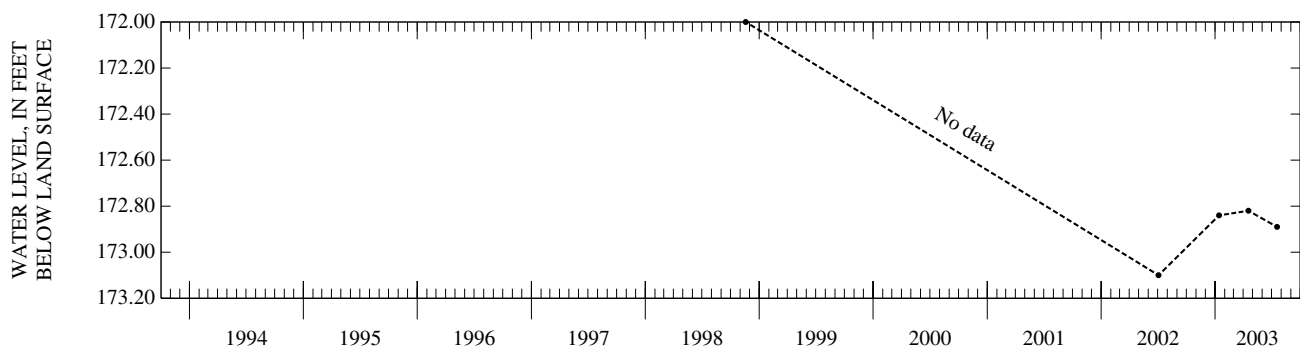
DATUM.--Elevation of land surface datum is 340 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--1998, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 172.00 ft below land-surface datum (reported), Nov. 18, 1998; lowest recorded, 173.10 ft below land-surface datum, July 3, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	172.84	APR 17	172.82	JUL 18	172.89
WATER YEAR 2003 HIGHEST 172.82 APR 17, 2003 LOWEST 172.89 JUL 18, 2003					



VERNON PARISH—Continued

LOCAL NUMBER.--V-8592Z, Site ID 310728093002301.

LOCATION.--Hydrologic Unit 08080203.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 380 ft, screened 370-380 ft, casing diameter 2 in.

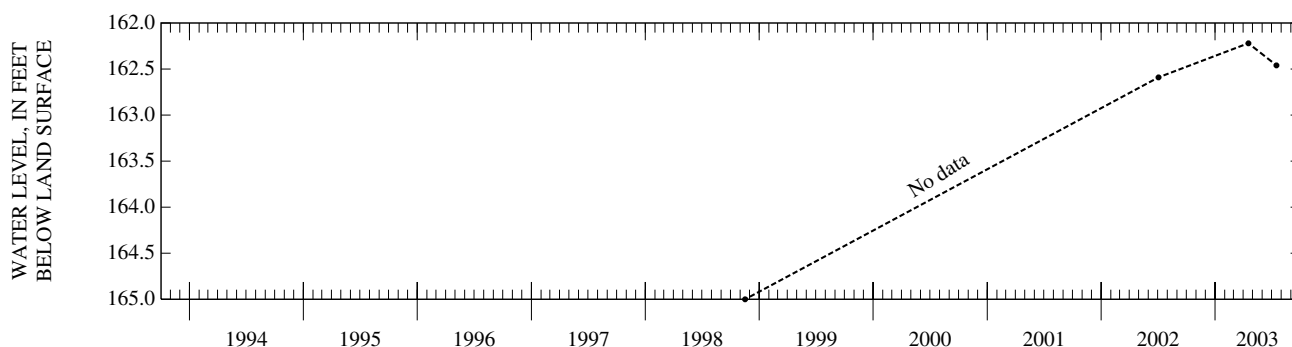
DATUM.--Elevation of land surface datum is 350 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--1998, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 162.22 ft above land-surface datum, Apr. 17, 2003; lowest recorded, 165.00 ft below land-surface datum (reported), Nov. 16, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	162.22	JUL 16	162.46
WATER YEAR 2003 HIGHEST 162.22 APR 17, 2003 LOWEST 162.46 JUL 16, 2003			



LOCAL NUMBER.--V-8807Z, Site ID 310450092570201.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 280 ft, screened 265-280 ft, casing diameter 2 in.

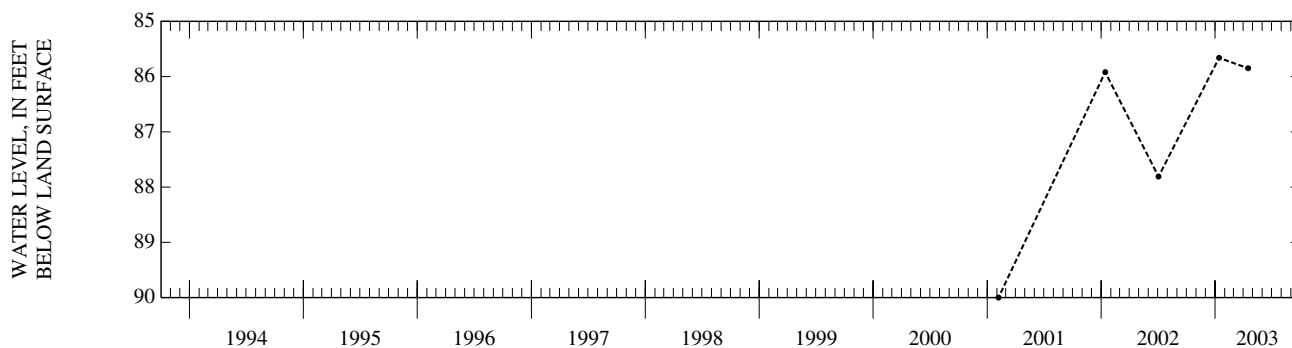
DATUM.--Elevation of land surface datum is 350 ft above NGVD of 1929. Measuring point: Top of PVC casing, inside water meter box, at land-surface datum.

PERIOD OF RECORD.--2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 85.66 ft below land-surface datum, Jan. 13, 2003; lowest recorded, 90.00 ft below land-surface datum (reported), Feb. 5, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	85.66	APR 16	85.85
WATER YEAR 2003 HIGHEST 85.66 JAN 13, 2003 LOWEST 85.85 APR 16, 2003			



VERNON PARISH—Continued

LOCAL NUMBER.--V-8808Z, Site ID 310450092570101.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Evangeline aquifer of Pliocene age (121EVGL).

WELL CHARACTERISTICS.--Depth 280 ft, screened 265-280 ft, casing diameter 2 in.

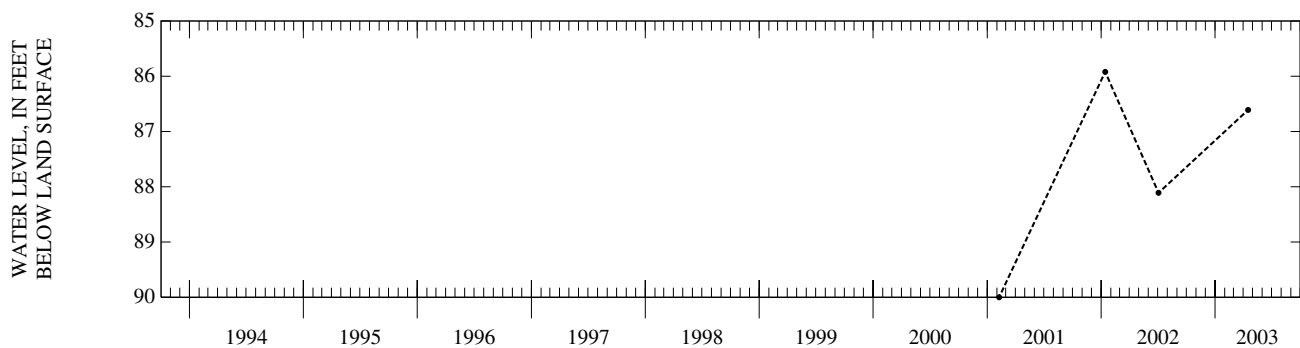
DATUM.--Elevation of land surface datum is 350 ft above NGVD of 1929. Measuring point: Top of PVC pipe inside meter box between green tee posts, at land-surface datum.

PERIOD OF RECORD.--2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 85.92 ft below land-surface datum, Jan. 13, 2002; lowest recorded, 90.00 ft below land-surface datum (reported), Feb. 7, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL
APR 16	86.61



LOCAL NUMBER.--V-8847Z, Site ID 310816093101301.

LOCATION.--Hydrologic Unit 08080204.

AQUIFER.--Williamson Creek aquifer of Miocene age (122WMCK).

WELL CHARACTERISTICS.--Depth 150 ft, screened 140-150 ft, casing diameter 2 in.

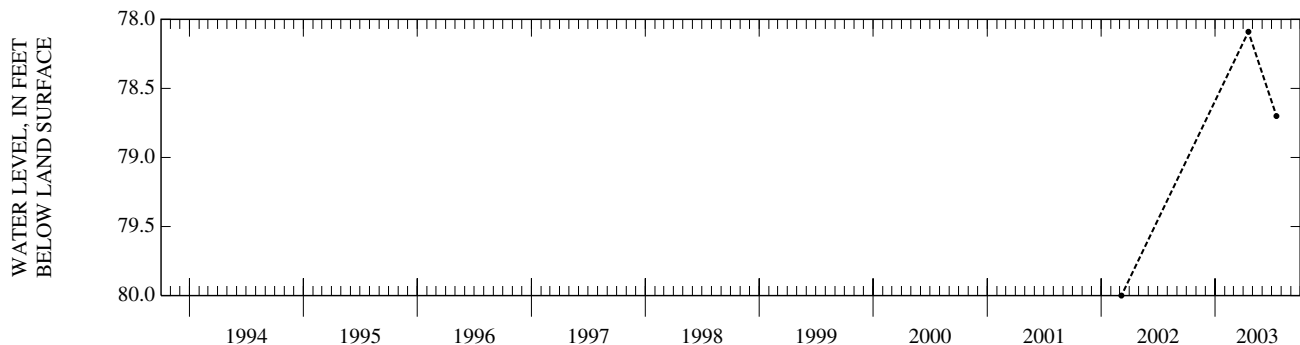
DATUM.--Elevation of land surface datum is 350 ft above NGVD of 1929. Measuring point: Top of PVC casing, unscrew metal downpipe, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 78.09 ft above land-surface datum, Apr. 17, 2003; lowest recorded, 80.00 ft below land-surface datum (reported), Mar. 6, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	78.09	JUL 16	78.70
WATER YEAR 2003 HIGHEST 78.09 APR 17, 2003 LOWEST 78.70 JUL 16, 2003			



WASHINGTON PARISH

LOCAL NUMBER.--Wa-13, Site ID 304652089512201.

LOCATION.--Lat 30°46'52", long 89°51'22", Hydrologic Unit 03180004, Sec. 38, T. 3S, R.13E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 156 ft, screened 90-156 ft, casing diameter 20 in.

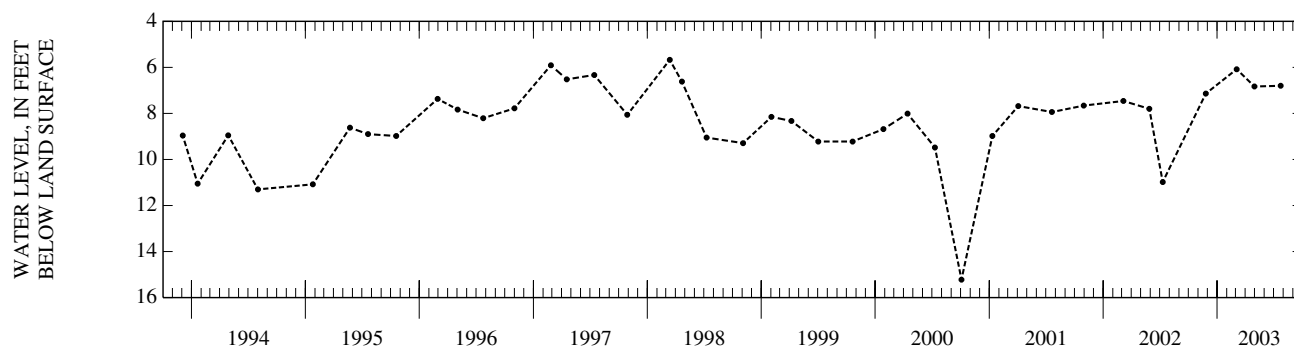
DATUM.--Elevation of land surface datum is 95 ft above NGVD of 1929. Measuring point: Top of 1-in. nipple, 0.7 ft above land-surface datum.

PERIOD OF RECORD.--1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.30 ft above land-surface datum, Feb. 22, 1961; lowest recorded, 44.07 ft below land-surface datum, Sept. 22, 1958.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	7.14	MAR 04	6.08	APR 30	6.83	JUL 23	6.80
WATER YEAR 2003		HIGHEST	6.08	MAR 04, 2003	LOWEST	7.14	NOV 25, 2002



WASHINGTON PARISH—Continued

LOCAL NUMBER.--Wa-43, Site ID 304107089523401.

LOCATION.--Lat 30°41'07", long 89°52'34", Hydrologic Unit 03180005, Sec. 49, T. 4S, R.13E.

AQUIFER.--Upper Ponchatoula aquifer of Pliocene age (121PNCLL).

WELL CHARACTERISTICS.--Depth 420 ft, screened interval unknown, casing diameter 2 in.

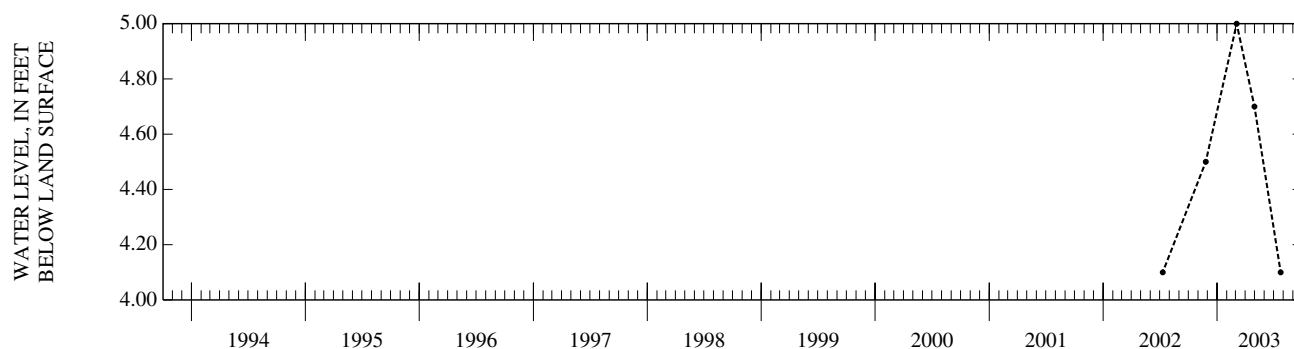
DATUM.--Elevation of land surface datum is 71 ft above NGVD of 1929. Measuring point: Top of lower valve, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--1950-84, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 31.00 ft above land-surface datum, Sept. 12, 1950; lowest recorded, 4.1 ft above land-surface datum, July 10, 2002, July 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	+4.5	MAR 04	+5.0	APR 30	+4.7	JUL 23	+4.1
WATER YEAR 2003		HIGHEST	+5.0 MAR 04, 2003	LOWEST	+4.1 JUL 23, 2003		



WASHINGTON PARISH—Continued

LOCAL NUMBER.--Wa-70, Site ID 305246090184301.

LOCATION.--Lat 30°52'46", long 90°18'43", Hydrologic Unit 08090201, Sec. 41, T. 2S, R. 9E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 90 ft, screened 80-90 ft, casing diameter 4 in.

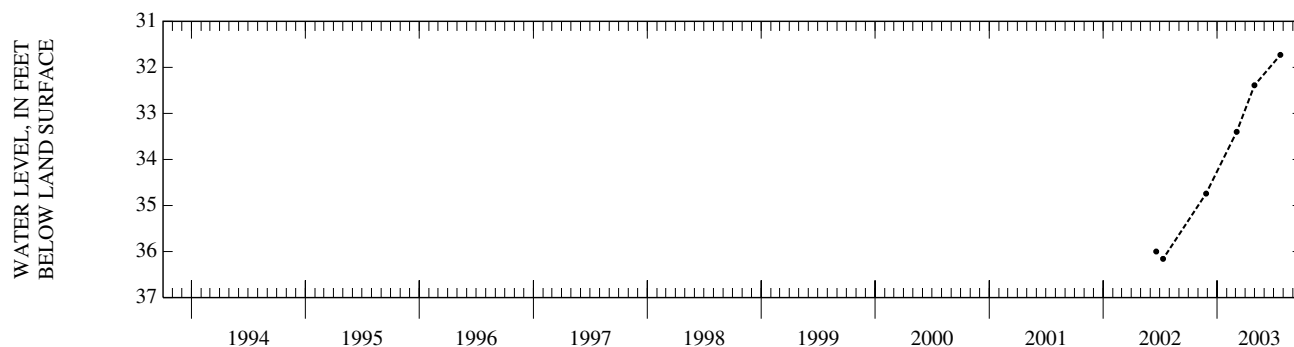
DATUM.--Elevation of land surface datum is 262 ft above NGVD of 1929. Measuring point: Access hole for wires in casing, 0.6 ft above land-surface datum.

PERIOD OF RECORD.--1968-69, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 31.73 ft below land-surface datum, July 22, 2003; lowest recorded, 39.60 ft below land-surface datum, June 13, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	34.74	MAR 04	33.40	APR 30	32.39	JUL 22	31.73
WATER YEAR 2003		HIGHEST	31.73	JUL 22, 2003	LOWEST	34.74	NOV 26, 2002



WASHINGTON PARISH—Continued

LOCAL NUMBER.--Wa-79, Site ID 304926090083001.

LOCATION.--Lat 30°49'26", long 90°08'30", Hydrologic Unit 03180004, Sec. 43, T. 1S, R.10E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 310 ft, screened 270-310 ft, casing diameter 2 in.

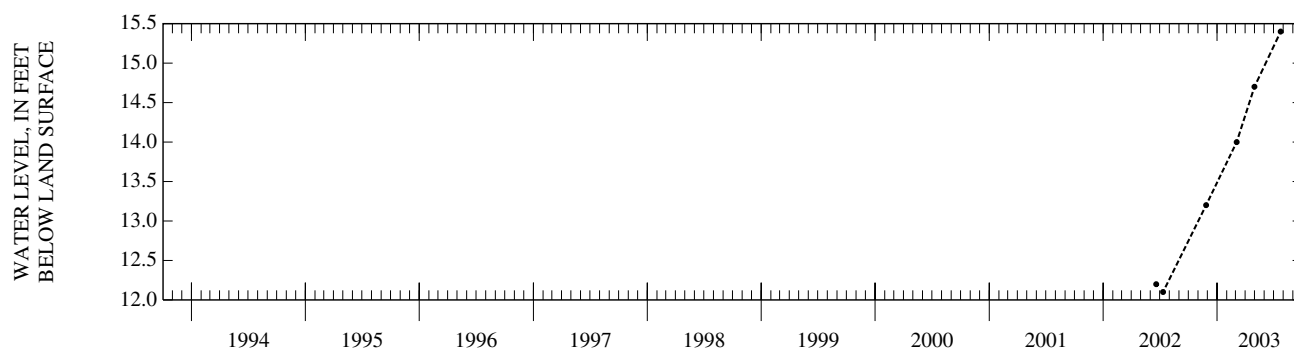
DATUM.--Elevation of land surface datum is 192 ft above NGVD of 1929. Measuring point: Center line of faucet closest to house, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--1969, 1975-77, 1990, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 24.50 ft above land-surface datum, Oct. 29, 1975; lowest recorded, 12.1 ft above land-surface datum, July 11, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	+13.2	MAR 04	+14.0	APR 30	+14.7	JUL 23	+15.4
WATER YEAR 2003		HIGHEST	+15.4	JUL 23, 2003	LOWEST	+13.2	NOV 26, 2002



WASHINGTON PARISH—Continued

LOCAL NUMBER.--Wa-114, Site ID 305405089553501.

LOCATION.--Lat 30°54'05", long 89°55'35", Hydrologic Unit 03180004, Sec. 6, T. 2S, R.13E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 168 ft, screened 158-168 ft, casing diameter 4 in.

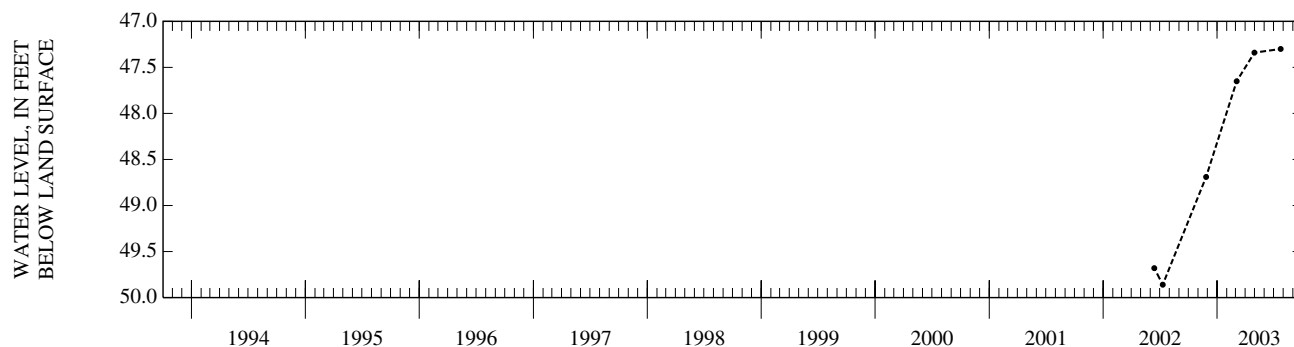
DATUM.--Elevation of land surface datum is 260 ft above NGVD of 1929. Measuring point: Hole in sanitary seal, 0.3 ft above land-surface datum.

PERIOD OF RECORD.--1976-77, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 47.25 ft below land-surface datum, Apr. 6, 1977; lowest recorded, 49.86 ft below land-surface datum, July 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	48.69	MAR 04	47.65	APR 30	47.34	JUL 23	47.30
WATER YEAR 2003		HIGHEST	47.30	JUL 23, 2003	LOWEST	48.69	NOV 26, 2002



WASHINGTON PARISH—Continued

LOCAL NUMBER.--Wa-116, Site ID 304629089590001.

LOCATION.--Lat 30°46'29", long 89°59'00", Hydrologic Unit 03180004, Sec. 40, T. 3S, R.12E.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 172 ft, screened 162-172 ft, casing diameter 4 in.

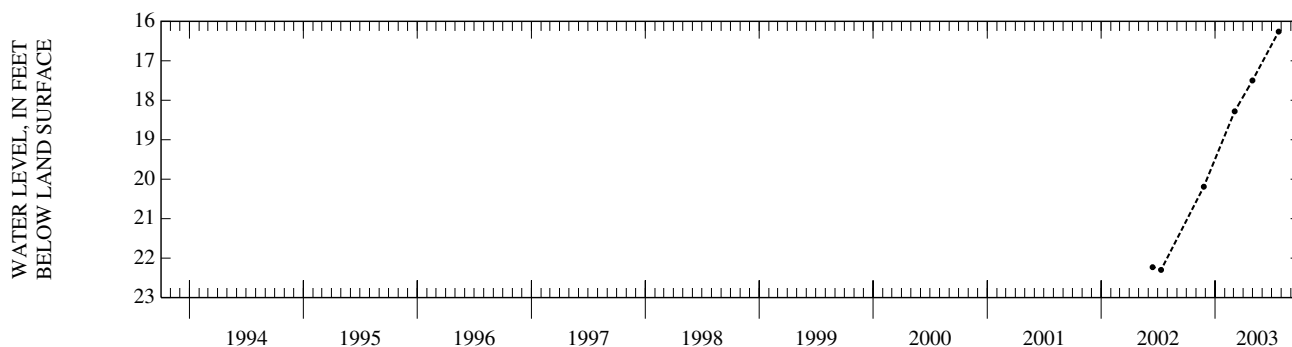
DATUM.--Elevation of land surface datum is 180 ft above NGVD of 1929. Measuring point: Top of casing at file notches, 0.25 ft above land-surface datum.

PERIOD OF RECORD.--1976-77, 1991, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.07 ft below land-surface datum, May 25, 1977; lowest recorded, 22.30 ft below land-surface datum, July 11, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	20.19	MAR 04	18.28	APR 30	17.50	JUL 23	16.26
WATER YEAR 2003 HIGHEST 16.26		JUL 23, 2003 LOWEST 20.19		NOV 25, 2002			



WASHINGTON PARISH—Continued

LOCAL NUMBER.--Wa-125, Site ID 304900089542601.

LOCATION.--Lat 30°49'00", long 89°54'26", Hydrologic Unit 03180004, Sec. 5, T. 3S, R.13E.

AQUIFER.--Amite aquifer of Miocene age (122AMIT).

WELL CHARACTERISTICS.--Depth 1,450 ft, screened 1,440-1,450 ft, casing diameter 2 in.

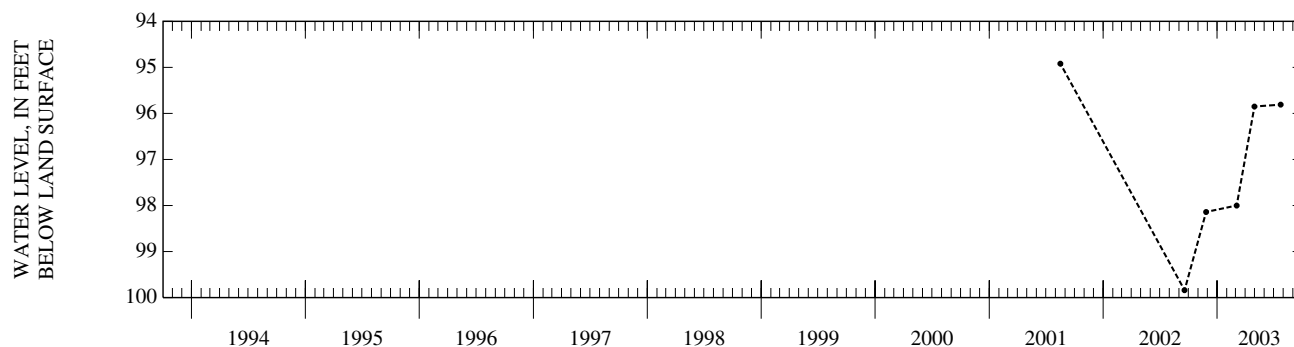
DATUM.--Elevation of land surface datum is 150 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 0.4 ft above land-surface datum.

PERIOD OF RECORD.--1977-89, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 66.46 ft below land-surface datum, Apr. 3, 1978; lowest recorded, 98.14 ft below land-surface datum, Nov. 26, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	98.14	MAR 04	98.00	APR 30	95.85	JUL 23	95.81
WATER YEAR 2003 HIGHEST 95.81		JUL 23, 2003		LOWEST 98.14		NOV 26, 2002	



WASHINGTON PARISH—Continued

LOCAL NUMBER.--Wa-158, Site ID 304612089512401.

LOCATION.--Hydrologic Unit 031800004.

AQUIFER.--Amite aquifer of Miocene age (122AMIT).

WELL CHARACTERISTICS.--Depth 1,414 ft, screened 1,337-1,414 ft, casing diameter 12 3/4 to 8 5/8 in.

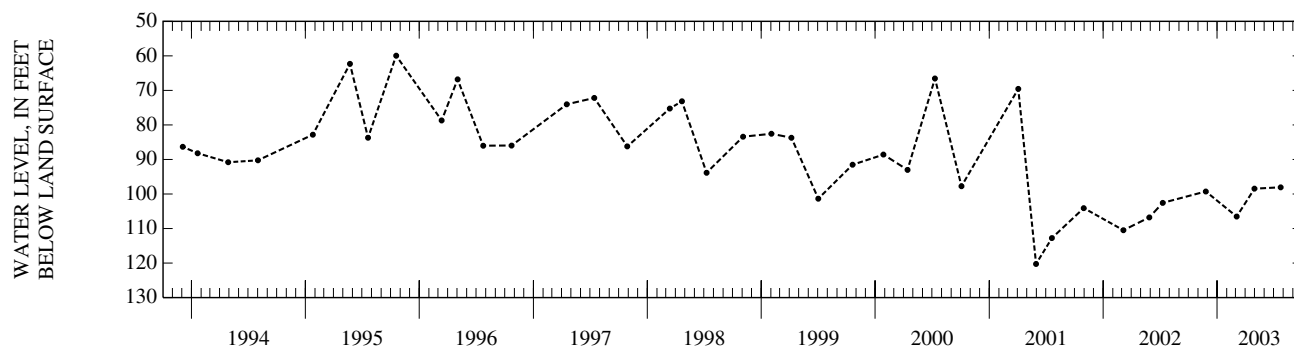
DATUM.--Elevation of land surface datum is 97 ft above NGVD of 1929. Measuring point: 3/4-in. bolt in sanitary seal, 1.63 ft above land-surface datum.

PERIOD OF RECORD.--1987, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 53.00 ft below land-surface datum (reported), May 18, 1987; lowest recorded, 120.25 ft below land-surface datum, May 30, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	99.26	MAR 04	106.53	APR 30	98.46	JUL 23	98.06
WATER YEAR 2003		HIGHEST	98.06	JUL 23, 2003	LOWEST	106.53	MAR 04, 2003



WEBSTER PARISH

LOCAL NUMBER.--Wb-219, Site ID 323220093165902.

LOCATION.--Lat 32°32'20", long 93°16'59", Hydrologic Unit 11140203, Sec. 22, T.18N, R. 9W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 136 ft, screened 116-136 ft, casing diameter 10 in.

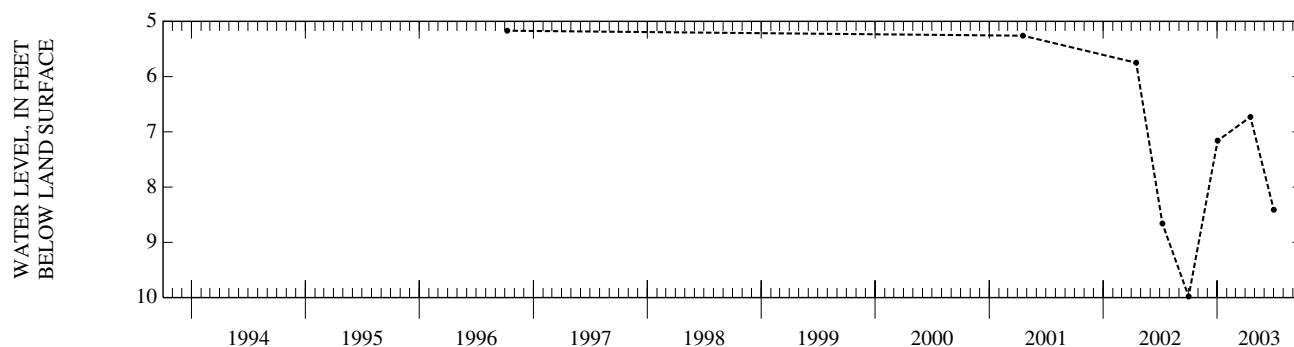
DATUM.--Elevation of land surface datum is 190 ft above NGVD of 1929. Measuring point: Top edge of well casing, 0.9 ft above land-surface datum.

PERIOD OF RECORD.--1963, 1975, 1977, 1980, 1985, 1989, 1996, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.17 ft below land-surface datum, May 13, 1975; lowest recorded, 9.98 ft below land-surface datum, Oct. 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	9.98	JAN 02	7.16	APR 17	6.73	JUL 01	8.41
WATER YEAR 2003 HIGHEST		6.73	APR 17, 2003	LOWEST		9.98	OCT 01, 2002



LOCAL NUMBER.--Wb-399, Site ID 325518093221901.

LOCATION.--Lat 32°55'18", long 93°22'19", Hydrologic Unit 11140203, Sec. 2, T.22N, R.10W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 298 ft, screened 288-298 ft, casing diameter 2 in.

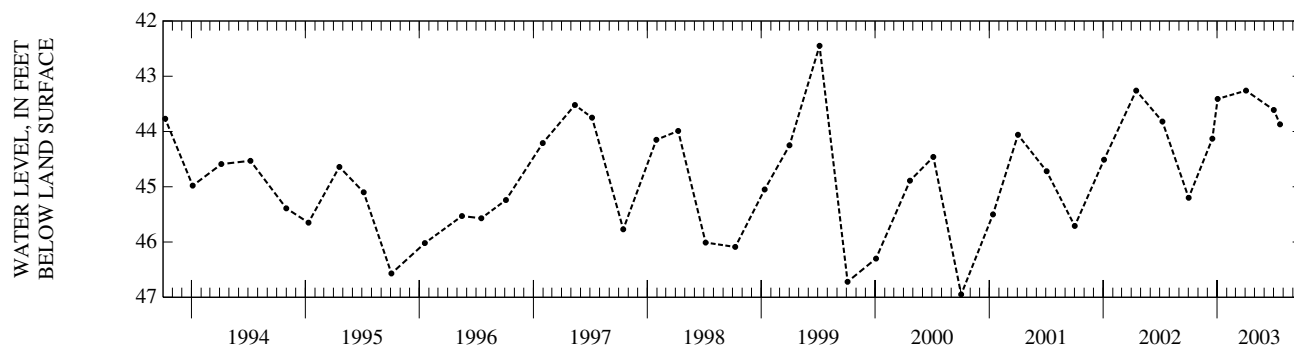
DATUM.--Elevation of land surface datum is 205 ft above NGVD of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 42.45 ft below land-surface datum, July 6, 1999; lowest recorded, 46.95 ft below land-surface datum, Oct. 2, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	45.20	DEC 16	44.13	JAN 02	43.41	APR 03	43.26	JUL 01	43.61	JUL 21	43.87
WATER YEAR 2003 HIGHEST		43.26	APR 03, 2003	LOWEST		45.20	OCT 01, 2002				



WEST BATON ROUGE PARISH

LOCAL NUMBER.--WBR-5, Site ID 302732091121901.

LOCATION.--Lat 30°27'32", long 91°12'19", Hydrologic Unit 08070300, Sec. 66, T. 7S, R.12E.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,335 ft, screened 1,230-1,335 ft, casing diameter 8 in.

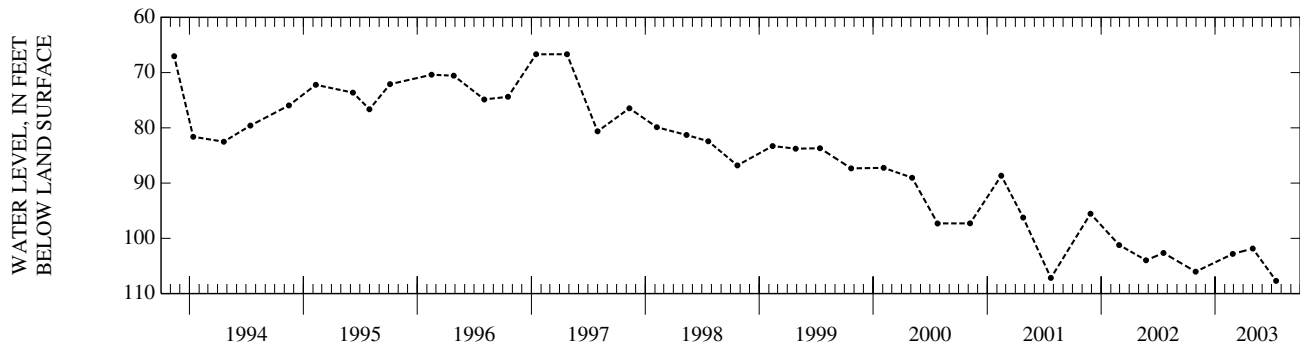
DATUM.--Elevation of land surface datum is 27 ft above NGVD of 1929. Measuring point: Top edge of 3/8-in. hole in 8-in. collar, 4.90 ft above land-surface datum.

PERIOD OF RECORD.--1943-46, 1949-50, 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 36.10 ft above land-surface datum, June 21, 1943; lowest recorded, 112.62 ft below land-surface datum, Aug. 15, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	106.04	FEB 26	102.81	MAY 01	101.85	JUL 15	107.70
WATER YEAR 2003 HIGHEST 101.85 MAY 01, 2003				LOWEST 107.70 JUL 15, 2003			



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-100A, Site ID 302652091121401.

LOCATION.--Lat 30°26'52", long 91°12'14", Hydrologic Unit 08070300, Sec. 68, T. 7S, R.12E.

AQUIFER.--"1,700-foot" sand of Baton Rouge area of Pliocene age (12117BR).

WELL CHARACTERISTICS.--Depth 1,888 ft, screened 1,884-1,888 ft, casing diameter 4 in.

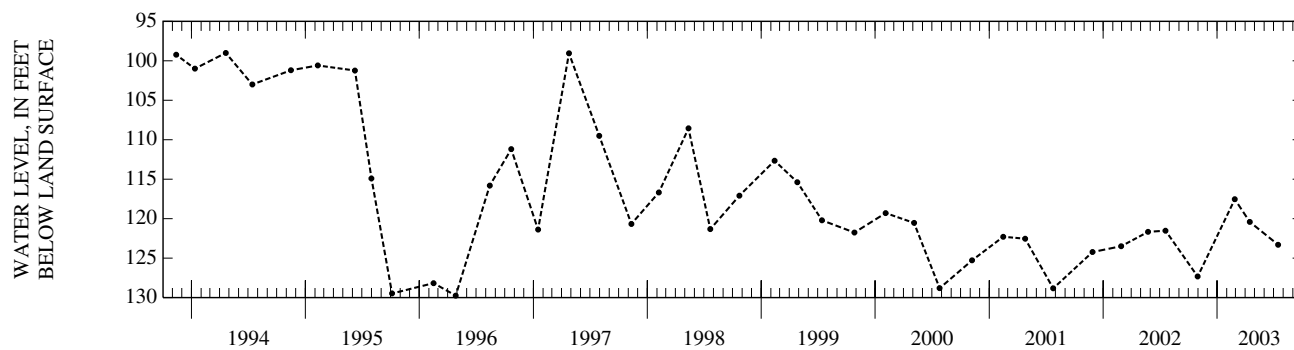
DATUM.--Elevation of land surface datum is 29 ft above NGVD of 1929. Measuring point: Top of 4-in. casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 58.30 ft below land-surface datum, May 6, 1966; lowest recorded, 129.75 ft below land-surface datum, Apr. 26, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	127.33	FEB 26	117.54	APR 15	120.41	JUL 15	123.31
WATER YEAR 2003		HIGHEST	117.54 FEB 26, 2003	LOWEST	127.33	OCT 30, 2002	



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-100B, Site ID 302652091121402.

LOCATION.--Lat 30°26'52", long 91°12'14", Hydrologic Unit 08070300, Sec. 68, T. 7S, R.12E.

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 2,448 ft, screened 2,444-2,448 ft, casing diameter 2 in.

DATUM.--Elevation of land surface datum is 29 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.06 ft above land-surface datum.

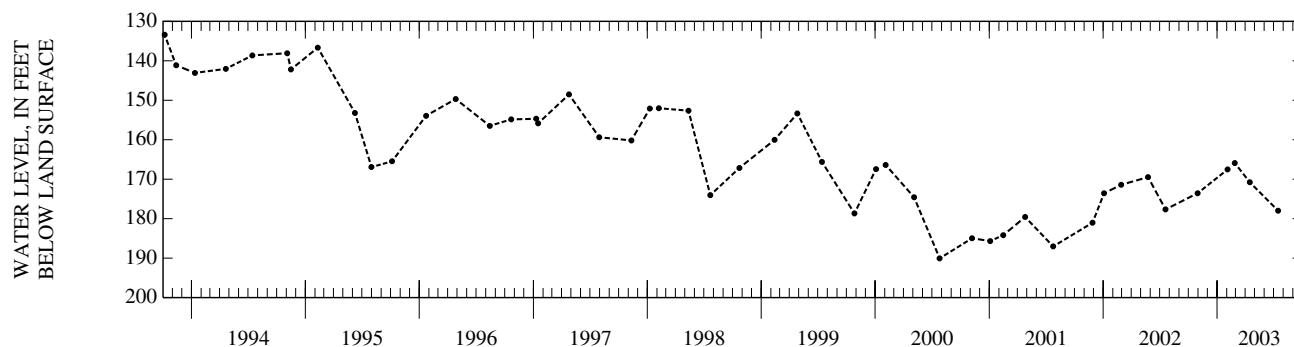
PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 87.97 ft below land-surface datum, May 17, 1966; lowest recorded, 190.06 ft below land-surface datum, July 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	173.55	FEB 03	167.53	FEB 26	165.90	APR 15	170.77	JUL 15	178.00

WATER YEAR 2003 HIGHEST 165.90 FEB 26, 2003 LOWEST 178.00 JUL 15, 2003



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-102A, Site ID 302806091172601.

LOCATION.--Lat 30°28'06", long 91°17'26", Hydrologic Unit 08070300, Sec. 7, T. 7S, R.12E.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,288 ft, screened 1,284-1,288 ft, casing diameter 4 in.

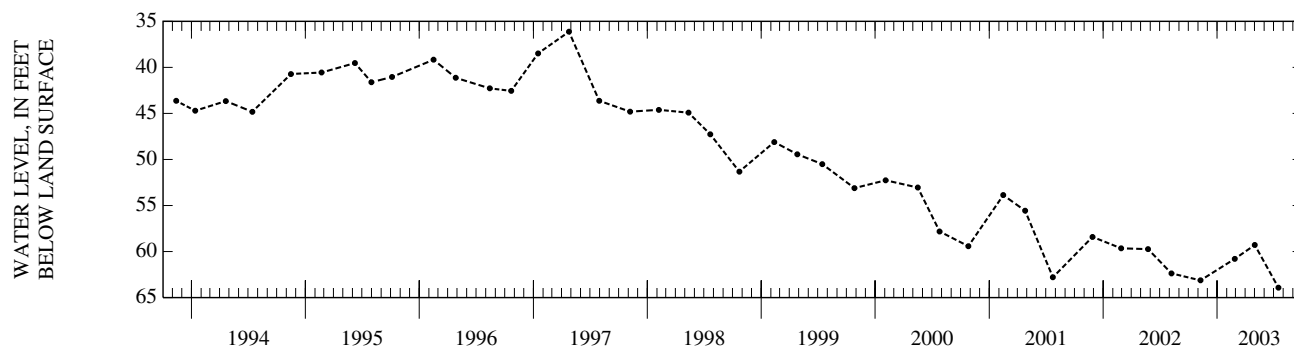
DATUM.--Elevation of land surface datum is 18 ft above NGVD of 1929. Measuring point: Top of 4-in. casing, 1.71 ft above land-surface datum.

PERIOD OF RECORD.--1966-88, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 36.13 ft below land-surface datum, Apr. 24, 1997; lowest recorded, 63.93 ft below land-surface datum, July 16, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	63.13	FEB 26	60.79	MAY 01	59.29	JUL 16	63.93
WATER YEAR 2003		HIGHEST	59.29	MAY 01, 2003	LOWEST	63.93	JUL 16, 2003



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-102B, Site ID 302806091172602.

LOCATION.--Lat 30°28'06", long 91°17'26", Hydrologic Unit 08070300, Sec. 7, T. 7S, R.12E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 2,100 ft, screened 2,096-2,100 ft, casing diameter 4 to 2 in.

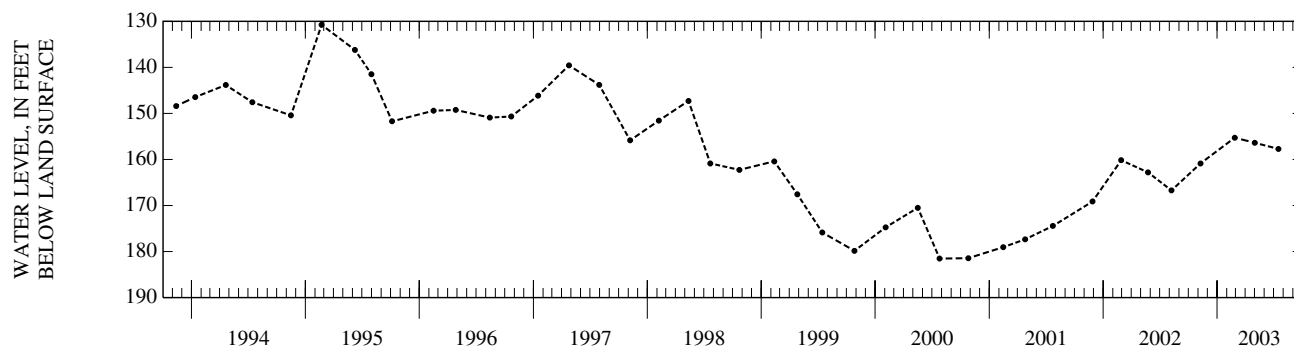
DATUM.--Elevation of land surface datum is 18 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.07 ft above land-surface datum.

PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 63.89 ft below land-surface datum, Apr. 22, 1966; lowest recorded, 189.22 ft below land-surface datum, Sept. 25, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	160.86	FEB 26	155.27	MAY 01	156.38	JUL 16	157.71
WATER YEAR 2003		HIGHEST	155.27	FEB 26, 2003	LOWEST	160.86	NOV 08, 2002



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-106, Site ID 302703091133703.

LOCATION.--Lat 30°27'03", long 91°13'37", Hydrologic Unit 08070300, Sec. 93, T. 7S, R.12E.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 2,017 ft, screened 2,012-2,017 ft, casing diameter 2 in.

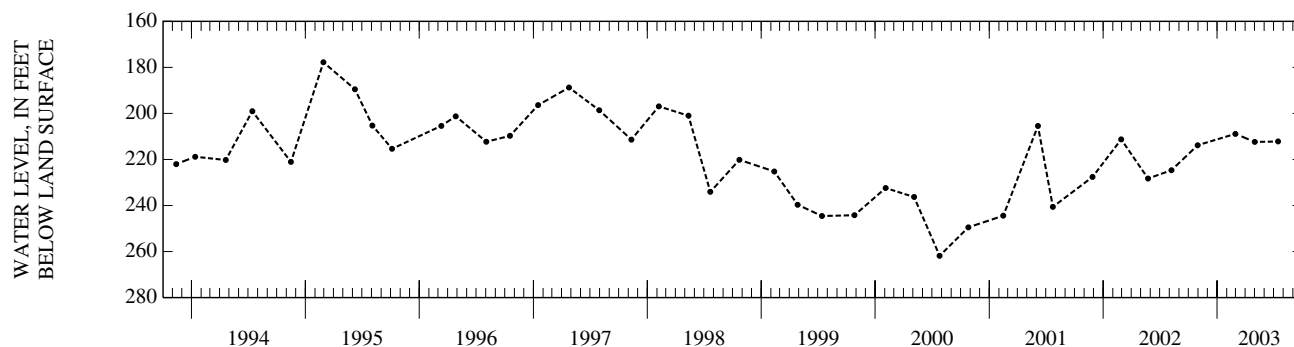
DATUM.--Elevation of land surface datum is 22 ft above NGVD of 1929. Measuring point: Top edge of 3/4-in. air line, 2.08 ft above land-surface datum.

PERIOD OF RECORD.--1966-88, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 166.62 ft below land-surface datum, July 28, 1966; lowest recorded, 288.20 ft below land-surface datum, Nov. 8, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	213.81	FEB 28	208.87	MAY 01	212.40	JUL 15	212.19
WATER YEAR 2003		HIGHEST	208.87	FEB 28, 2003	LOWEST	213.81	OCT 30, 2002



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-111, Site ID 302550091124101.

LOCATION.--Hydrologic Unit 08070300.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 2,650 ft, screened 2,610-2,650 ft, casing diameter 16 to 10 to 8 in.

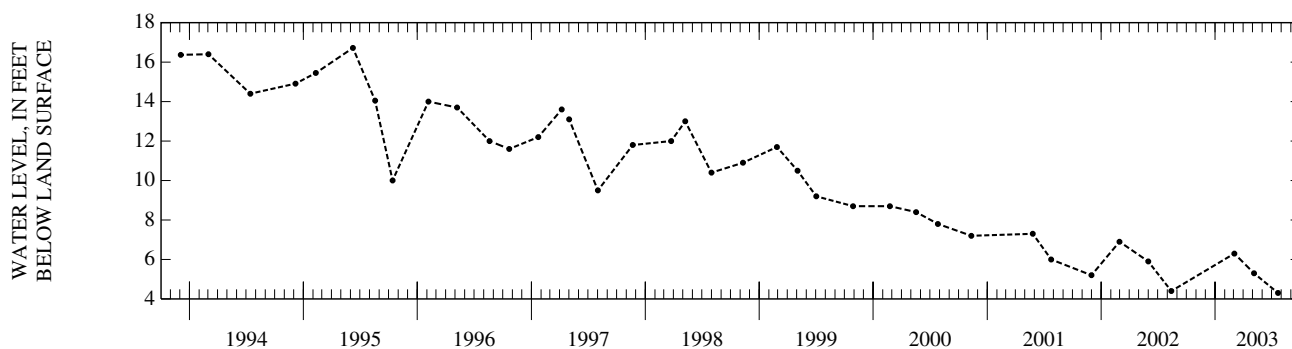
DATUM.--Elevation of land surface datum is 25 ft above NGVD of 1929. Measuring point: At faucet, 2.3 ft above land-surface datum.

PERIOD OF RECORD.--1970-71, 1974, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 43.5 ft above land-surface datum, Jan. 15, 1970; lowest recorded, 4.3 ft above land-surface datum, July 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR
OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 03	+6.3	MAY 05	+5.3	JUL 21	+4.3
WATER YEAR 2003 HIGHEST +6.3 MAR 03, 2003 LOWEST +4.3 JUL 21, 2003					



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-132, Site ID 302505091132001.

LOCATION.--Hydrologic Unit 08070300.

AQUIFER.--"1,500-ft" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 2,082 ft, screened 2,012-2,082 ft, casing diameter 12 3/4 to 8 5/8 to 6 5/8-in.

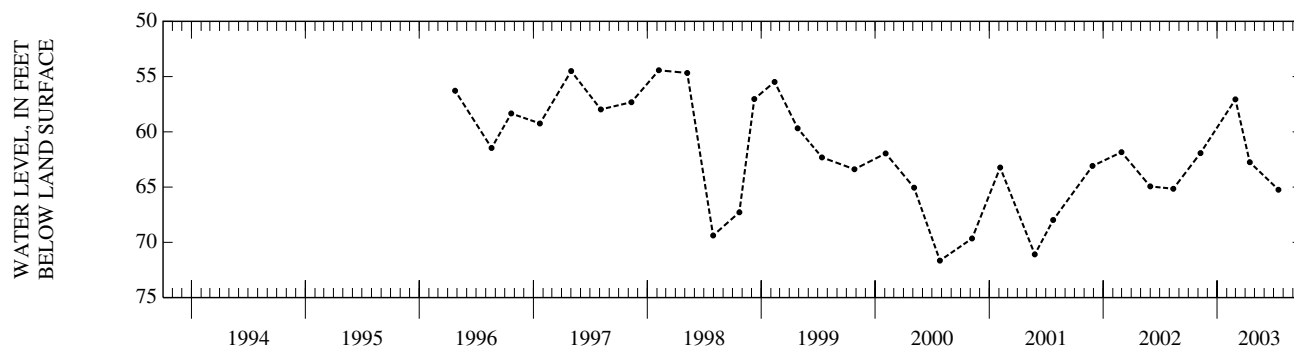
DATUM.--Elevation of land surface datum is 20 ft above NGVD of 1929. Measuring point: Top of sanitary seal on west side, remove 1/2-in. pipe and cap, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1976, 1993-94, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 30.65 ft below land-surface datum, Feb. 10, 1976; lowest recorded, 71.65 ft below land-surface datum, July 26, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	61.92	FEB 28	57.06	APR 15	62.75	JUL 16	65.24
WATER YEAR 2003		HIGHEST	57.06	FEB 28, 2003	LOWEST	65.24	JUL 16, 2003



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-146, Site ID 302853091150201.

LOCATION.--Lat 30°28'53", long 91°15'02", Hydrologic Unit 08070300, Sec.119, T. 7S, R.12E.

AQUIFER.--"400-foot" sand of Baton Rouge area of Pleistocene age (11204BR).

WELL CHARACTERISTICS.--Depth 472 ft, screened 462-472 ft, casing diameter 2 1/2 in.

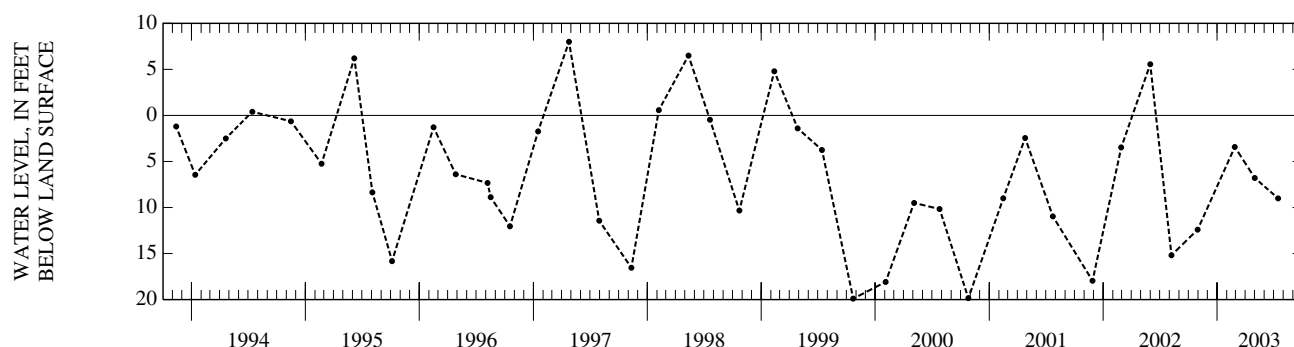
DATUM.--Elevation of land surface datum is 25 ft above NGVD of 1929. Measuring point: Lip of 3/4-in. nipple, 2.76 ft above land-surface datum.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.54 ft above land-surface datum, Apr. 27, 1979; lowest recorded, 20.60 ft below land-surface datum, Oct. 24, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	12.40	FEB 26	3.42	MAY 01	6.79	JUL 15	9.01
WATER YEAR 2003 HIGHEST		3.42	FEB 26, 2003	LOWEST		12.40	OCT 30, 2002



LOCAL NUMBER.--WBR-148, Site ID 302702091185101.

LOCATION.--Lat 30°27'02", long 91°18'51", Hydrologic Unit 08070300, Sec. 23, T. 7S, R.11E.

AQUIFER.--"1,200-foot" sand of Baton Rouge area of Pliocene age (12112BR).

WELL CHARACTERISTICS.--Depth 1,304 ft, screened 1,294-1,304 ft, casing diameter 2 1/2 in.

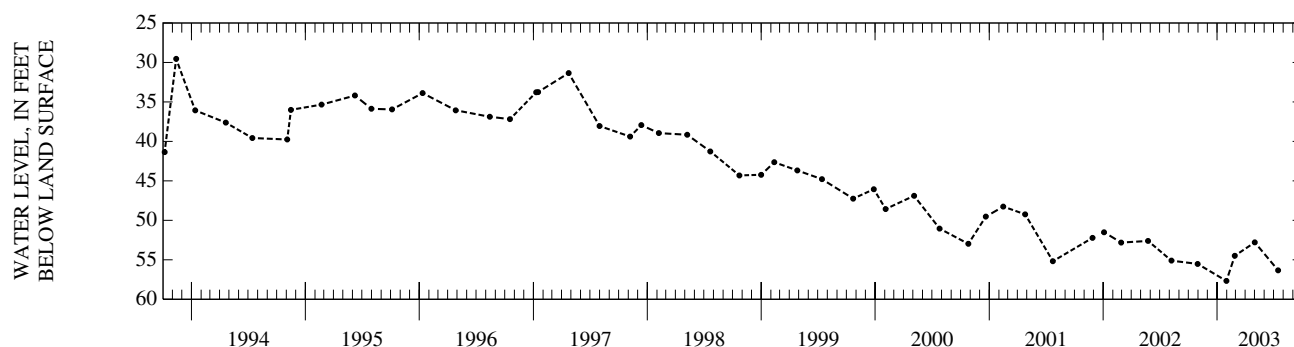
DATUM.--Elevation of land surface datum is 14 ft above NGVD of 1929. Measuring point: Top of 2 1/2-in. casing, at land-surface datum.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 29.54 ft below land-surface datum, Nov. 12, 1993; lowest recorded, 57.68 ft below land-surface datum, Jan. 30, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	55.52	JAN 30	57.68	FEB 26	54.49	MAY 01	52.79	JUL 15	56.34
WATER YEAR 2003 HIGHEST		52.79	MAY 01, 2003	LOWEST		57.68	JAN 30, 2003		



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-160, Site ID 302958091124801.

LOCATION.--Lat 30°29'58", long 91°12'48", Hydrologic Unit 08070300, Sec. 50, T. 6S, R.12E.

AQUIFER.--"800-foot" sand of Baton Rouge area of Pliocene age (12108BR).

WELL CHARACTERISTICS.--Depth 840 ft, screened 830-840 ft, casing diameter 4 to 2 in.

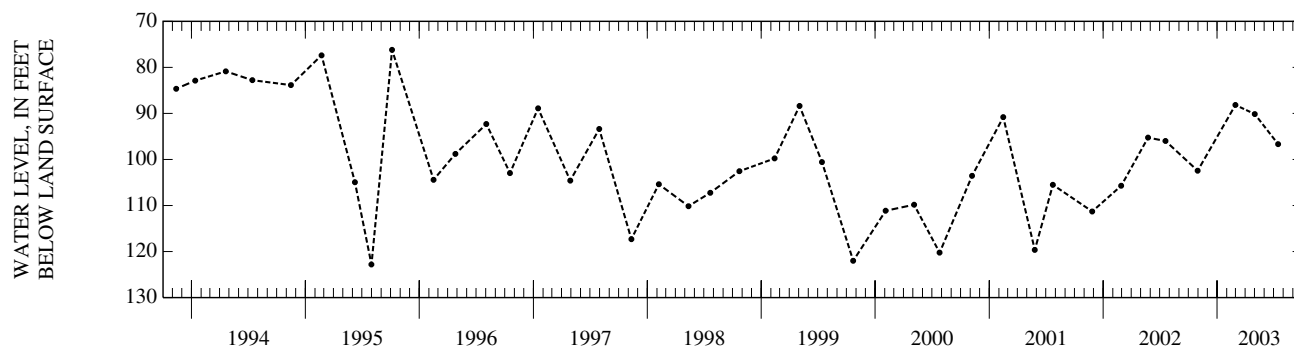
DATUM.--Elevation of land surface datum is 26 ft above NGVD of 1929. Measuring point: 1/2-in. hole in top of 4-in. cap, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 47.10 ft below land-surface datum, July 15, 1980; lowest recorded, 122.81 ft below land-surface datum, July 31, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	102.45	FEB 28	88.17	MAY 01	90.14	JUL 15	96.68
WATER YEAR 2003 HIGHEST		88.17 FEB 28, 2003	LOWEST		102.45	OCT 30, 2002	



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-161, Site ID 302958091124802.

LOCATION.--Lat 30°29'58", long 91°12'48", Hydrologic Unit 08070300, Sec. 50, T. 6S, R.12E.

AQUIFER.--"600-foot" sand of Baton Rouge area of Pleistocene age (11206BR).

WELL CHARACTERISTICS.--Depth 650 ft, screened 640-650 ft, casing diameter 2 in.

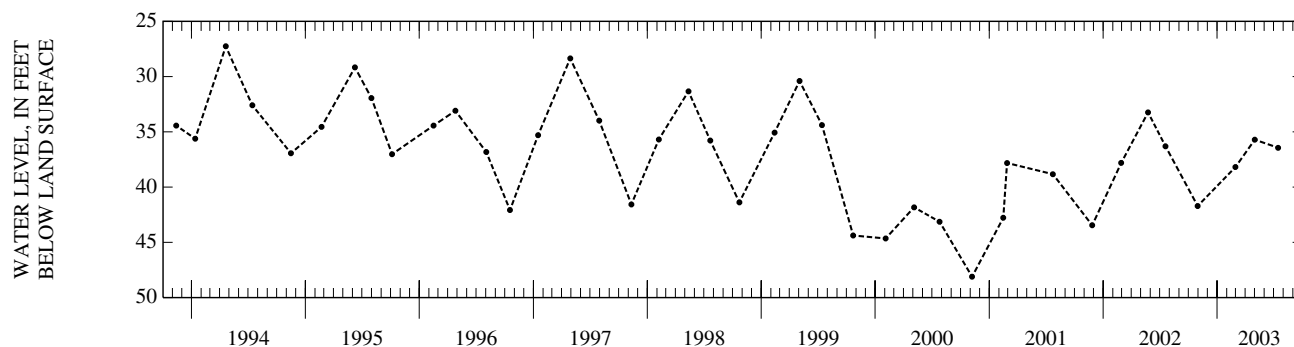
DATUM.--Elevation of land surface datum is 26 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.86 ft below land-surface datum, July 5, 1990; lowest recorded, 63.75 ft below land-surface datum, Sept. 19, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	41.71	FEB 28	38.19	MAY 01	35.71	JUL 15	36.44
WATER YEAR 2003		HIGHEST	35.71	MAY 01, 2003	LOWEST	41.71	OCT 30, 2002



WEST BATON ROUGE PARISH—Continued

LOCAL NUMBER.--WBR-173, Site ID 302456091130202.

LOCATION.--Hydrologic Unit 08070300.

AQUIFER.--"1,500-foot" sand of Baton Rouge area of Pliocene age (12115BR).

WELL CHARACTERISTICS.--Depth 2,194 ft, screened 2,124-2,194 ft, casing diameter 18 to 12 to 8 in.

DATUM.--Elevation of land surface datum is 25 ft above NGVD of 1929. Measuring point: Lower lip of access pipe on east side, 1.5 ft above land-surface datum.

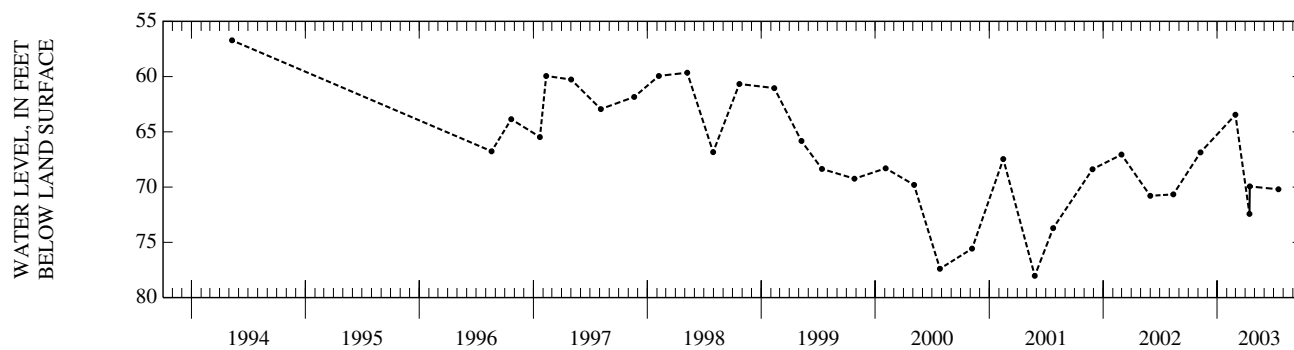
PERIOD OF RECORD.--1994, 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 56.72 ft below land-surface datum, May 10, 1994; lowest recorded, 78.03 ft below land-surface datum, May 26, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	66.86	FEB 28	63.45	APR 14	72.42	APR 15	69.94	JUL 16	70.20

WATER YEAR 2003 HIGHEST 63.45 FEB 28, 2003 LOWEST 72.42 APR 14, 2003



WEST CARROLL PARISH

LOCAL NUMBER.--WC-36, Site ID 324508091252301.

LOCATION.--Lat 32°45'08", long 91°25'23", Hydrologic Unit 08050002, Sec. 2, T.20S, R.10E.

AQUIFER.--Cockfield aquifer of Eocene age (124CCKF).

WELL CHARACTERISTICS.--Depth 383 ft, screened 377-383 ft, casing diameter 4 to 2 in.

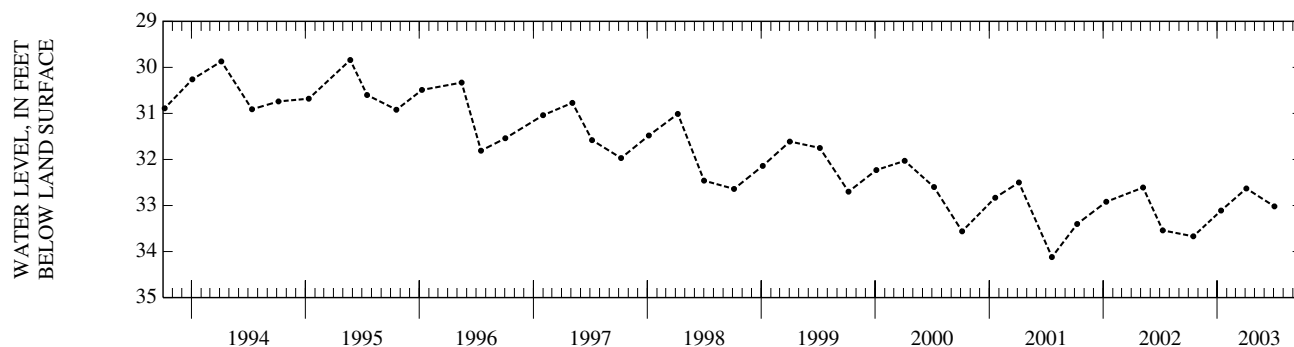
DATUM.--Elevation of land surface datum is 106.35 ft above NGVD of 1929. Measuring point: Top of casing collar, 1.1 ft above land-surface datum.

PERIOD OF RECORD.--1955-82, 1984-87, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 28.13 ft below land-surface datum, Mar. 19, 1963; lowest recorded, 34.12 ft below land-surface datum, July 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	33.67	JAN 13	33.11	APR 04	32.63	JUL 03	33.02
WATER YEAR 2003 HIGHEST		32.63	APR 04, 2003	LOWEST		33.67	OCT 16, 2002



LOCAL NUMBER.--WC-230, Site ID 324508091252302.

LOCATION.--Lat 32°45'08", long 91°25'23", Hydrologic Unit 08050002, Sec. 2, T.20N, R.10E.

AQUIFER.--Mississippi River alluvial aquifer of Pleistocene age (112MRVA).

WELL CHARACTERISTICS.--Depth 87 ft, screened 84-87 ft, casing diameter 2 to 1 1/4 in.

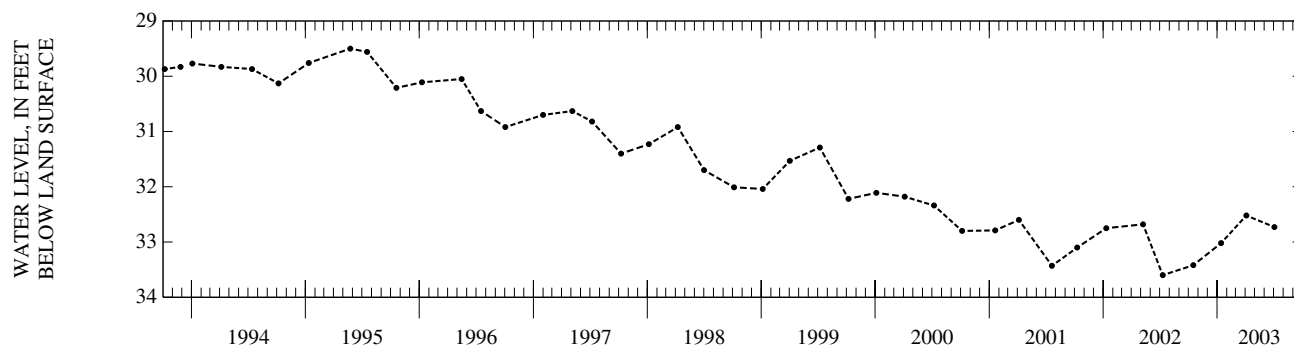
DATUM.--Elevation of land surface datum is 120 ft above NGVD of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 28.19 ft below land-surface datum, July 17, 1990; lowest recorded, 33.60 ft below land-surface datum, July 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	33.42	JAN 13	33.02	APR 04	32.52	JUL 03	32.73
WATER YEAR 2003 HIGHEST		32.52	APR 04, 2003	LOWEST		33.42	OCT 16, 2002



WEST FELICIANA PARISH

LOCAL NUMBER.--WF-22D, Site ID 305643091341201.

LOCATION.--Lat 30°56'43", long 91°34'12", Hydrologic Unit 08070201, Sec. 53, T. 1S, R. 5W.

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 907 ft, screened 847-907 ft, casing diameter 12 in.

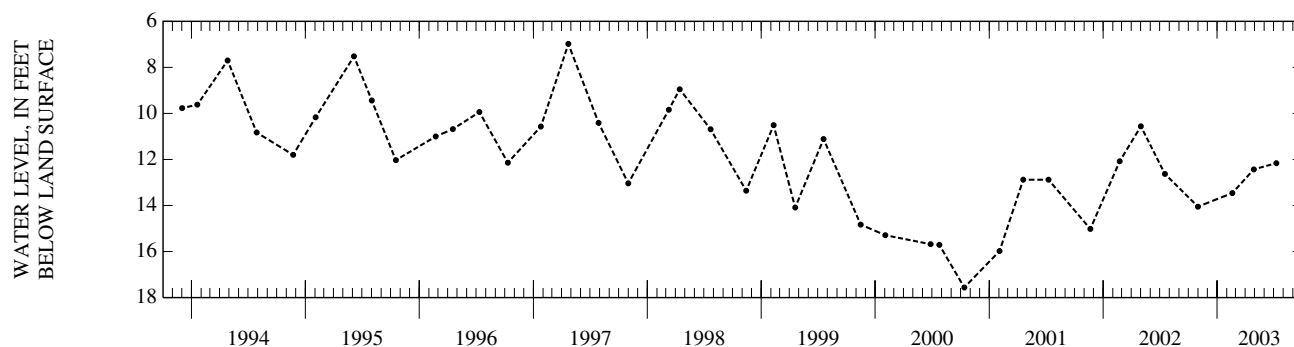
DATUM.--Elevation of land surface datum is 60 ft above NGVD of 1929. Measuring point: Hole in top of reducer above casing, 0.65 ft above land-surface datum.

PERIOD OF RECORD.--1956, 1958-88, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.90 ft above land-surface datum, Apr. 3, 1959; lowest recorded, 17.56 ft below land-surface datum, Oct. 12, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	14.05	FEB 18	13.46	APR 28	12.43	JUL 09	12.16
WATER YEAR 2003		HIGHEST	12.16	JUL 09, 2003	LOWEST	14.05	OCT 31, 2002



WEST FELICIANA PARISH—Continued

LOCAL NUMBER.--WF-40, Site ID 305633091341601.

LOCATION.--Lat 30°56'33", long 91°34'16", Hydrologic Unit 08070201, Sec. 24, T. 1S, R. 5W.

AQUIFER.--"2,000-foot" sand of Baton Rouge area of Miocene age (12220BR).

WELL CHARACTERISTICS.--Depth 632 ft, screened 549-632 ft, casing diameter 12 to 9 5/8 in.

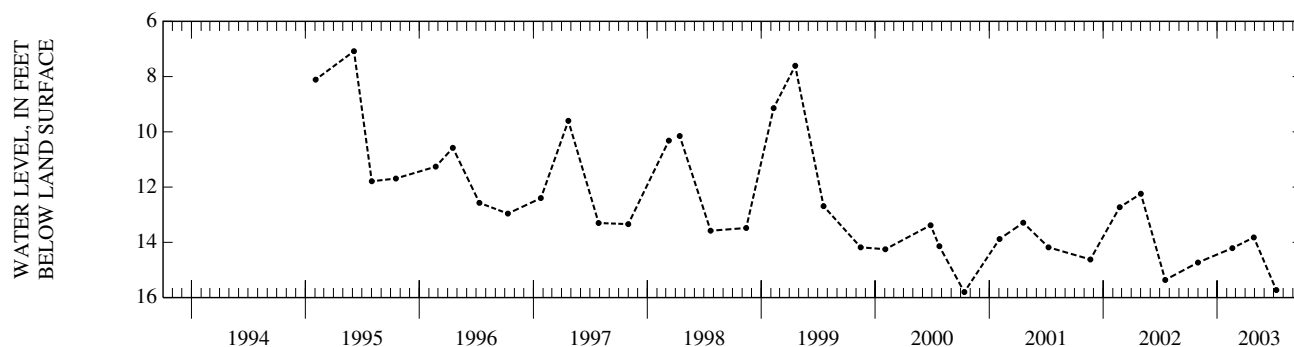
DATUM.--Elevation of land surface datum is 50 ft above NGVD of 1929. Measuring point: Bottom edge of 3/4-in. nipple, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--1956, 1958-59, 1963-88, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 23.90 ft above land-surface datum, May 8, 1958; lowest recorded, 17.25 ft below land-surface datum, Nov. 18, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	14.73	FEB 18	14.21	APR 28	13.82	JUL 09	15.73
WATER YEAR 2003 HIGHEST		13.82	APR 28, 2003	LOWEST		15.73	JUL 09, 2003



WEST FELICIANA PARISH—Continued

LOCAL NUMBER.--WF-158, Site ID 304844091204101.

LOCATION.--Lat 30°48'44", long 91°20'41", Hydrologic Unit 08070201, Sec. 80, T. 3S, R. 2W.

AQUIFER.--Upland terrace aquifer of Pleistocene age (112UPTC).

WELL CHARACTERISTICS.--Depth 156 ft, screened 146-156 ft, casing diameter 2 in.

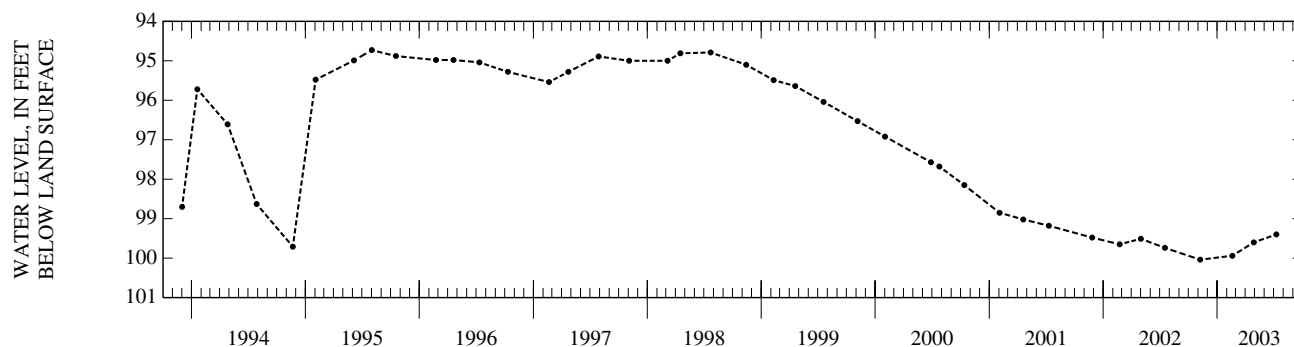
DATUM.--Elevation of land surface datum is 198 ft above NGVD of 1929. Measuring point: Top of 2-in. casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--1958, 1976-78, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 80.00 ft below land-surface datum (reported), Dec. 1, 1958; lowest recorded, 102.23 ft below land-surface datum, Aug. 5, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 07	100.04	FEB 18	99.94	APR 28	99.60	JUL 09	99.40
WATER YEAR 2003 HIGHEST 99.40		JUL 09, 2003		LOWEST 100.04		NOV 07, 2002	



WEST FELICIANA PARISH—Continued

LOCAL NUMBER.--WF-222, Site ID 304704091223801.

LOCATION.--Hydrologic Unit 08070201.

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 1,526 ft, screened 1,446-1,526 ft, casing diameter 12 to 8 in.

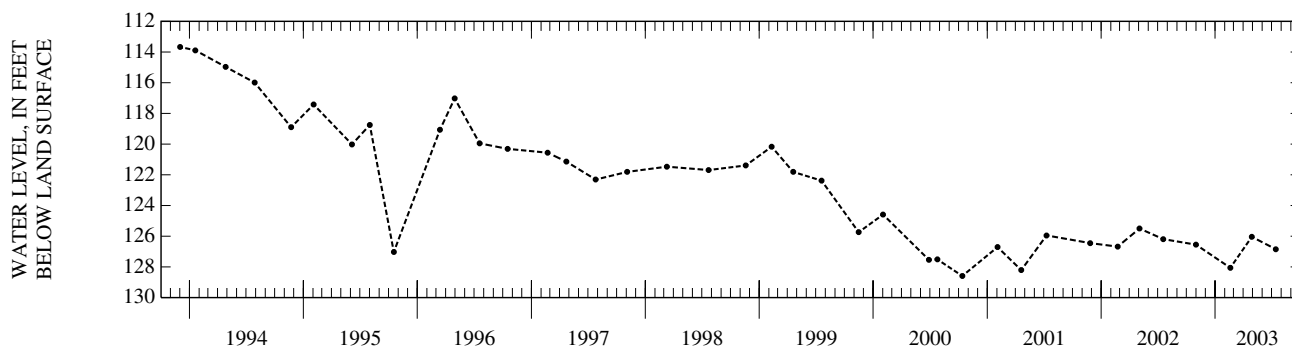
DATUM.--Elevation of land surface datum is 140 ft above NGVD of 1929. Measuring point: Plug in flange before discharge pipe, 1.23 ft above land-surface datum.

PERIOD OF RECORD.--1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 59.64 below land-surface datum, Apr. 16, 1962; lowest recorded, 133.95 ft below land-surface datum, Jan. 27, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	126.55	FEB 18	128.06	APR 28	126.04	JUL 14	126.85
WATER YEAR 2003		HIGHEST	126.04	APR 28, 2003	LOWEST	128.06	FEB 18, 2003



WEST FELICIANA PARISH—Continued

LOCAL NUMBER.--WF-254, Site ID 304933091224201.

LOCATION.--Lat 30°49'33", long 91°22'42", Hydrologic Unit 08070201, Sec. 68, T. 2S, R. 3W.

AQUIFER.--"1,700-foot" sand of Baton Rouge area of Pliocene age (12117BR).

WELL CHARACTERISTICS.--Depth 793 ft, screened interval unknown, casing diameter 4 in.

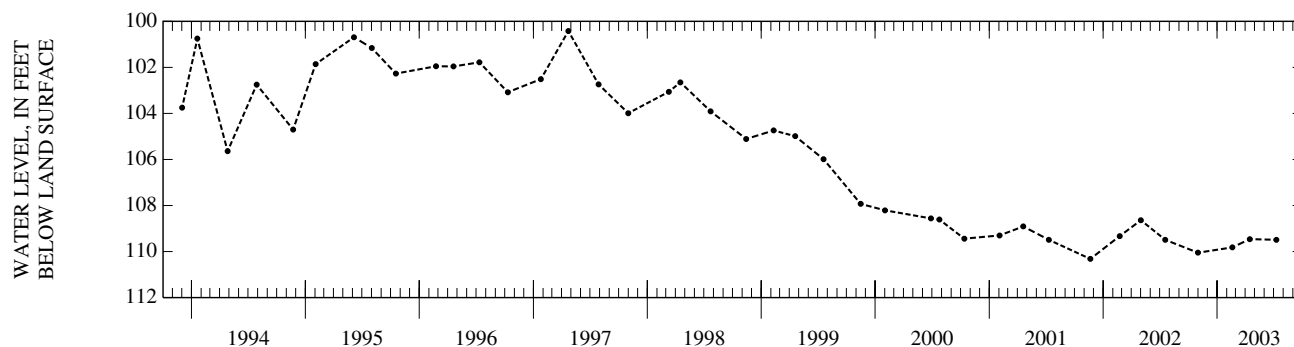
DATUM.--Elevation of land surface datum is 155 ft above NGVD of 1929. Measuring point: Top edge of 3-in. casing, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 100.42 ft below land-surface datum, Apr. 22, 1997; lowest recorded, 110.32 ft below land-surface datum, No. 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	110.05	FEB 18	109.82	APR 15	109.46	JUL 09	109.49
WATER YEAR 2003 HIGHEST 109.46 APR 15, 2003				LOWEST 110.05 OCT 31, 2002			



WEST FELICIANA PARISH—Continued

LOCAL NUMBER.--WF-274, Site ID 304958091191801.

LOCATION.--Hydrologic Unit 08070201.

AQUIFER.--"2,800-foot" sand of Baton Rouge area of Miocene age (12228BR).

WELL CHARACTERISTICS.--Depth 1,630 ft, screened 1,590-1,630 ft, casing diameter 10 to 6 in.

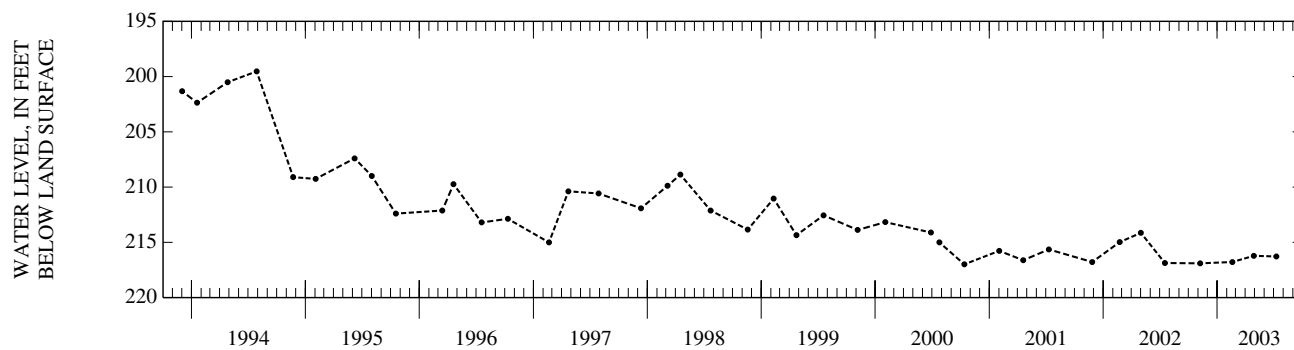
DATUM.--Elevation of land surface datum is 220 ft above NGVD of 1929. Measuring point: Edge of breather pipe, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--1982, 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 198.38 ft below land-surface datum, Sept. 16, 1992; lowest recorded, 216.99 ft below land-surface datum, Oct. 12, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 07	216.90	FEB 18	216.78	APR 28	216.22	JUL 09	216.28
WATER YEAR 2003				HIGHEST 216.22	APR 28, 2003	LOWEST 216.90	NOV 07, 2002



WEST FELICIANA PARISH—Continued

LOCAL NUMBER.--WF-286, Site ID 305547091202301.

LOCATION.--Hydrologic Unit 08070201.

AQUIFER.--"2,400-foot" sand of Baton Rouge area of Miocene age (12224BR).

WELL CHARACTERISTICS.--Depth 982 ft, screened 912-930 ft and 940-982 ft, casing diameter 10 3/4 to 8 5/8-in.

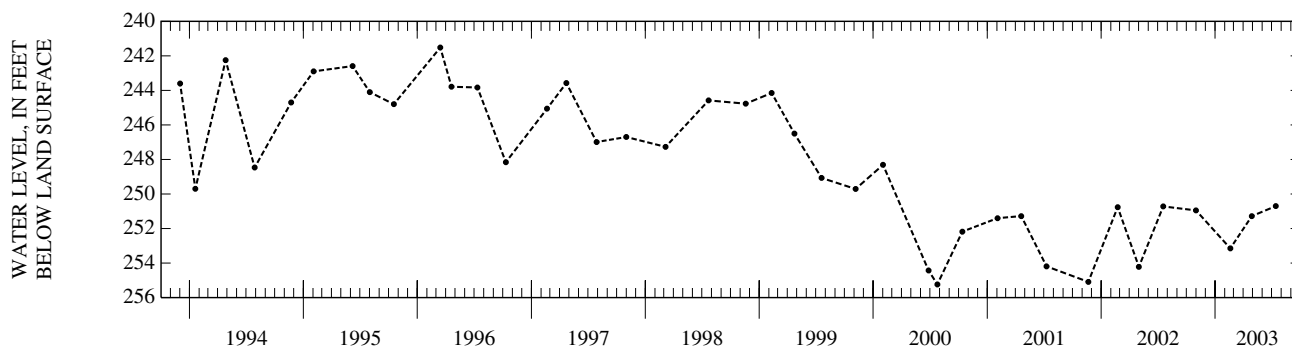
DATUM.--Elevation of land surface datum is 290 ft above NGVD of 1929. Measuring point: Edge of breather pipe on west side, 1.9 ft above land-surface datum.

PERIOD OF RECORD.--1987, 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 234.00 below land-surface datum (reported), Sept. 26, 1987; lowest recorded, 255.24 ft below land-surface datum, July 24, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	250.95	FEB 18	253.15	APR 28	251.28	JUL 14	250.70
WATER YEAR 2003 HIGHEST 250.70 JUL 14, 2003				LOWEST 253.15 FEB 18, 2003			



WINN PARISH

LOCAL NUMBER.--W-28, Site ID 315527092370801.

LOCATION.--Hydrologic Unit 08040303.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 480 ft, screened 360-480 ft, casing diameter 14 to 10 in.

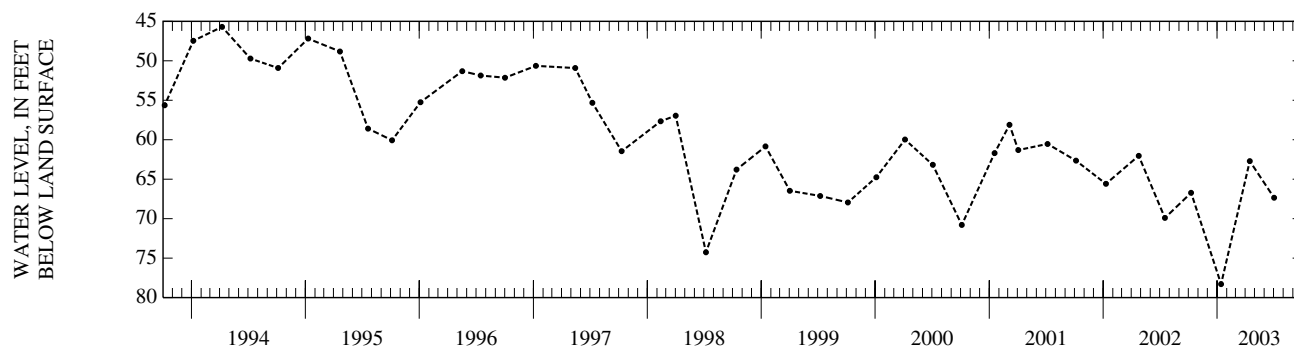
DATUM.--Elevation of land surface datum is 105 ft above NGVD of 1929. Measuring point: Top of 1-in. coupling, 1.1 ft above land-surface datum.

PERIOD OF RECORD.--1963, 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 39.10 ft below land-surface datum, Apr. 6, 1992; lowest recorded, 78.29 ft below land-surface datum, Jan. 13, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	66.72	JAN 13	78.29	APR 15	62.70	JUL 02	67.36
WATER YEAR 2003 HIGHEST 66.72		OCT 09, 2002		LOWEST 78.29		JAN 13, 2003	



LOCAL NUMBER.--W-172, Site ID 320541092291601.

LOCATION.--Lat 32°05'41", long 92°29'16", Hydrologic Unit 08040302, Sec. 20, T.13N, R. 1W.

AQUIFER.--Sparta aquifer of Eocene age (124SPRT).

WELL CHARACTERISTICS.--Depth 655 ft, screened 645-655 ft, casing diameter 2 in.

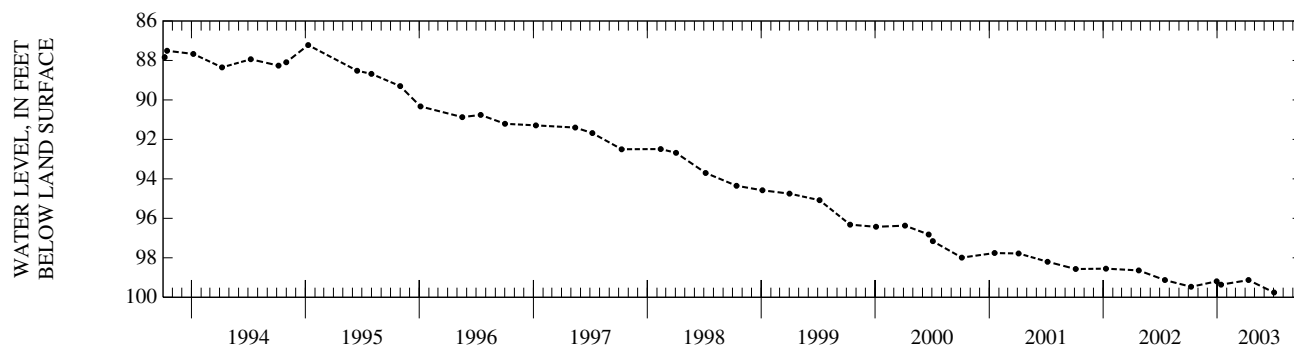
DATUM.--Elevation of land surface datum is 140 ft above NGVD of 1929. Measuring point: Top of casing, 4.7 ft above land-surface datum.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 81.68 ft below land-surface datum, Mar. 2, 1979; lowest recorded, 99.76 ft below land-surface datum, July 2, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	99.47	DEC 30	99.19	JAN 13	99.36	APR 11	99.13	JUL 02	99.76
WATER YEAR 2003 HIGHEST 99.13		APR 11, 2003		LOWEST 99.76		JUL 02, 2003			



QUALITY OF GROUND WATER

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS

{See end of table for explanation of hydrogeologic unit (aquifer) codes}

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Geologic unit	Depth of well, feet below LSD (72008)	Date	Depth to water level, feet below LSD (72019)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)
ACADIA PARISH							
AC- 451	300740092265001	112CHCTU	293	03-28-03	--	799	40.0
				09-10-03	--	799	41.0
AC- 919	300846092322701	112CHCTU	274	04-30-03	--	806	87.0
ASCENSION PARISH							
AN- 502	300956090525201	112NORC	300	03-20-03	--	851	140
				09-09-03	--	818	130
AN- 547	301557090541001	112GZNO	535	03-19-03	--	291	6.00
				09-09-03	--	290	6.20
CALCASIEU PARISH							
CU- 767	301036093124401	11207LC	850	03-26-03	67.19	3,650	1,010
				09-11-03	72.67	3,630	1,010
CU- 771	301336093183002	11202LC	241	03-27-03	57.56	429	16.0
				09-17-03	59.33	429	16.0
CU- 787	300353093210201	11205LC	734	03-27-03	49.81	523	45.0
				09-16-03	52.58	521	45.0
CU- 812	301213093013301	112CHCTU	265	04-30-03	--	1,010	130
CU- 960	301031093204902	11205LC	598	03-27-03	84.54	766	140
				09-16-03	88.11	759	130
CU-1012	300707093043501	11202LC	363	04-29-03	--	789	57.0
CU-1385	301324093170501	11205LC	580	03-27-03	--	694	110
				09-17-03	--	672	100
CAMERON PARISH							
CN- 80L	295846092381105	112CHCTU	481	03-28-03	31.17	1,320	260
				09-10-03	33.91	1,280	250
CN- 86L	300120093320802	11205LC	641	04-02-03	--	a1,930	470
				09-16-03	37.02	2,000	490
CN- 88L	300055093093004	11205LC	804	03-27-03	46.85	2,370	590
				09-11-03	49.94	2,370	590
CN- 90	295611093044801	11202LC	396	03-26-03	29.22	996	160
				09-11-03	31.48	991	160
CN- 92	300104093015601	11202LC	443	03-26-03	34.30	1,850	410
				09-11-03	38.89	1,810	400
CN- 196	300122093060401	11202LC	420	04-29-03	--	1,250	240
CONCORDIA PARISH							
CO- 205	312614091400001	112MRVA	130	03-27-03	10.06	981	66.0
				09-02-03	18.45	939	64.0
CO- 215	312630091390001	112MRVA	121	03-27-03	8.31	3,140	780
				09-02-03	14.29	3,130	810
EAST BATON ROUGE PARISH							
EB- 151	302641091085801	12220BR	2,658	12-05-02	--	a342	2.80
				02-21-03	--	353	2.80
EB- 413	302642091083201	12115BR	1,745	02-21-03	--	345	6.40
EB- 434	302619091104003	11206BR	611	12-30-02	63.73	444	--
EB- 621	302500091052501	12112BR	1,487	12-05-02	--	a464	39.0
				02-21-03	--	360	8.0

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Geologic unit	Depth of well, feet below LSD (72008)	Date	Depth to water level, feet below LSD (72019)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)
EAST BATON ROUGE PARISH--Continued							
EB- 630	302651091112408	12220BR	2,253	12-05-02	--	a411	11.0
				02-21-03	--	407	11.0
EB- 700	303130091073101	12228BR	2,557	01-09-03	--	580	8.40
EB- 733	302647091083301	12220BR	2,637	02-21-03	--	355	5.50
EB- 750	303141091114801	12228BR	2,643	12-05-02	--	a727	64.0
				02-21-03	--	744	64.0
EB- 771	302646091083801	12115BR	1,739	12-05-02	--	a324	4.00
				02-21-03	--	337	4.00
EB- 778	302509091082701	12220BR	2,586	01-13-03	15.26	1,010	150
EB- 780A	302509091082702	12112BR	1,622	01-15-03	--	3,250	910
EB- 782A	302535091090402	12110BR	1,189	01-27-03	38.06	1,870	460
EB- 783B	302502091113602	12220BR	2,675	01-15-03	-0.52	3,420	750
EB- 792B	302605091080602	12220BR	2,286	12-30-02	--	389	2.30
EB- 793	302719091103201	11206BR	687	01-09-03	57.63	328	3.00
EB- 794	302559091110801	12224BR	2,709	12-26-02	--	1,440	270
EB- 798	303133091103101	12228BR	2,647	12-05-02	--	a1,740	390
EB- 803B	302306091022602	12220BR	2,565	01-10-03	--	2,340	580
EB- 804A	302428091035001	12117BR	1,950	01-13-03	114.21	387	2.20
EB- 804B	302428091035002	12224BR	2,762	01-13-03	111.82	758	110
EB- 805	302428091035003	12110BR	1,072	12-17-02	--	25,200	8,620
EB- 825	302553091092002	11204BR	475	01-29-03	36.96	274	3.90
EB- 870	302729091100601	11206BR	692	01-27-03	71.87	287	3.00
EB- 879	302402091005201	11206BR	664	01-10-03	--	304	3.10
EB- 917	302614091083001	12115BR	1,736	12-12-02	--	444	44.0
EB- 918	302547091074401	12115BR	1,834	12-27-02	144.42	2,470	680
EB- 990	302509091035301	12112BR	1,450	12-05-02	--	a307	2.60
EB-1017C	302406091021203	11204BR	567	12-05-02	--	a302	3.80
				02-21-03	--	310	3.80
EB-1028	302605091100901	12220BR	2,238	12-09-02	202.91	1,200	250
EB-1149	302653091103702	12224BR	2,694	12-05-02	--	a386	2.50
				02-21-03	--	404	2.60
EB-1150	302653091103703	12220BR	2,242	12-05-02	--	a620	76.0
				02-21-03	--	508	43.0
EB-1253	302652091112410	12223BR	2,687	02-21-03	--	428	3.10
EB-1278	302501091052601	11204BR	547	02-03-03	32.95	314	2.80
FRANKLIN PARISH							
FR- 720	320941091411301	112MRVA	100	03-06-03	18.75	10,200	3,120
				09-02-03	18.55	9,730	3,170
FR- 721	320958091425501	112MRVA	77	03-06-03	9.30	1,680	260
				09-02-03	11.43	1,630	260
IBERIA PARISH							
I- 93	300035091443301	112CHCTU	585	03-25-03	18.42	730	38.0
				09-03-03	18.55	713	37.0
JEFFERSON PARISH							
JF- 161	295549090104101	112GZNO	772	03-20-03	--	2,640	630
				09-09-03	--	1,350	240
JF- 184	295926090143201	112GZNO	704	03-19-03	--	906	150
				09-05-03	--	811	120

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Geologic unit	Depth of well, feet below LSD (72008)	Date	Depth to water level, feet below LSD (72019)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)
JEFFERSON DAVIS PARISH							
JD- 491	300508092405601	112CHCTU	377	03-28-03	--	717	98.0
				09-10-03	--	715	98.0
JD- 860	301241092591901	112CHCTU	275	04-29-03	--	1,120	160
MADISON PARISH							
MA- 64	322614091122001	112MRVA	117	03-28-03	7.84	9,290	2,760
				09-03-03	12.25	9,550	2,820
MA- 65	322428091130201	112MRVA	119	03-28-03	4.89	6,250	1,700
				09-03-03	8.70	6,330	1,690
MOREHOUSE PARISH							
MO- 65	324647091543801	124SPRT	564	03-04-03	--	1,230	190
				09-03-03	--	1,220	190
MO- 342	324753091471201	124SPRT	620	11-15-02	98.73	2,070	410
				03-04-03	98.75	2,030	420
MO- 710	325826091280401	112MRVA	130	03-06-03	16.04	2,600	440
				09-03-03	16.57	2,620	460
MO- 842	325359091344802	112MRVA	90	11-15-02	37.22	1,420	160
				04-04-03	35.61	1,460	160
				09-03-03	35.05	1,410	170
ORLEANS PARISH							
OR- 61	300055090013101	112GZNO	653	03-19-03	--	1,100	88.0
OR- 203	300349089562401	112GZNO	453	03-24-03	58.99	1,680	340
OUACHITA PARISH							
OU- 402	321714092041401	124SPRT	750	11-14-02	60.68	3,620	860
				03-07-03	60.01	3,470	850
				09-02-03	61.75	3,570	860
OU- 403	321714092041402	124SPRT	460	11-14-02	69.84	1,810	280
				03-07-03	69.44	1,770	290
				09-02-03	70.67	1,800	280
OU- 405	322531092053901	124SPRT	775	11-13-02	134.96	2,110	420
				03-06-03	135.28	2,080	420
				09-02-03	136.92	2,100	420
OU- 469	322425092020401	124SPRT	400	03-06-03	--	1,030	130
				09-03-03	--	1,010	130
RAPIDES PARISH							
R- 612	312028092304801	122CRNB	577	04-09-03	--	866	--
R- 748	311727092270801	122CRNB	1,213	07-22-03	--	391	11.0
R- 875	311537092263701	122WMCK	504	07-22-03	--	496	16.0
R-1003	312341092094501	122CRNB	844	04-08-03	--	866	--
				07-21-03	--	865	200
R-1006	312122092194401	122CRNB	837	04-08-03	--	362	--
				07-21-03	--	366	7.30
R-1098	311814092204803	122WMCK	355	04-03-03	--	328	--
R-1192	312422092272701	122CRNB	314	04-03-03	--	272	--

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Geologic unit	Depth of well, feet below LSD (72008)	Date	Depth to water level, feet below LSD (72019)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)
RAPIDES PARISH--Continued							
R-1202	311736092271203	122CRNB	1,190	07-22-03	--	396	10.0
R-1203	311612092270606	122CRNB	990	07-22-03	--	1,240	53.0
R-1206	311906092225201	122CRNB	933	04-28-03	--	373	--
R-1209	310734092394204	122CRNB	2,153	04-09-03	--	1,480	--
				07-22-03	--	1,500	290
R-1292	310828092350402	122CRNB	2,126	07-22-03	--	627	69.0
R-1357	311729092261002	122CRNB	723	07-22-03	--	474	26.0
R-1406	311727092271002	122WMCK	337	07-22-03	--	758	55.0
R-1426	311900092261501	122CRNB	1,071	07-21-03	--	378	22.0
R-1497	312141092195401	122CRNB	1,013	07-21-03	--	1,090	160
RICHLAND PARISH							
RI- 112	322623091294901	112MRVA	67	11-14-02	35.37	1,190	270
				03-06-03	35.30	1,170	270
				09-02-03	35.11	1,130	270
RI- 114	322636091295702	112MRVA	66	11-14-02	31.76	1,370	260
				03-06-03	31.62	1,350	270
				09-02-03	31.31	1,380	270
RI- 124	322605091301101	112MRVA	84	11-14-02	32.11	1,930	420
				03-06-03	32.08	1,960	410
				09-02-03	31.87	1,920	420
ST JAMES PARISH							
SJ- 229	295936090503401	112GRMC	345	12-03-02	--	1,290	160
				06-05-03	--	1,150	110
				09-09-03	--	1,290	170
ST JOHN THE BAPTIST PARISH							
SJB- 180	301143090260101	120CVGN	3,091	03-19-03	--	794	39.0
ST LANDRY PARISH							
SL- 345	304911092063701	112MRVA	158	04-30-03	--	1,220	100
SL- 714	304827092101101	112CHCT	178	04-30-03	--	1,110	95.0
ST MARTIN PARISH							
SMN- 108	301304091424001	112CHCTL	505	03-25-03	3.11	2,110	400
				09-03-03	7.10	2,090	400
SMN- 109	301304091424002	112CHCTU	375	03-25-03	3.82	1,200	120
				09-03-03	7.74	1,190	120
ST MARY PARISH							
SM- 57U	294749091402301	112CHCTU	638	03-25-03	9.49	1,180	190
				09-03-03	8.99	1,160	180

SPECIFIC CONDUCTANCE AND CHLORIDE CONCENTRATIONS IN GROUND WATER FROM SELECTED WELLS—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Geologic unit	Depth of well, feet below LSD (72008)	Date	Depth to water level, feet below LSD (72019)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)
VERMILION PARISH							
VE- 637L	295345092100703	112CHCTU	243	03-26-03	13.17	2,890	730
				09-02-03	13.77	2,850	730
VE- 639	293845092264901	112CHCTU	608	03-26-03	10.24	1,560	300
				09-03-03	10.22	1,540	300
WEST BATON ROUGE PARISH							
WBR- 35	302657091124201	12112BR	1,290	01-10-03	--	316	2.70
WBR- 100B	302652091121402	12224BR	2,448	02-03-03	167.53	375	3.50
WBR- 112	302550091124102	12115BR	2,205	11-08-02	--	649	76.0
				05-05-03	--	632	73.0
WBR- 113	302547091123201	12115BR	2,242	11-08-02	--	1,200	220
				03-03-03	--	1,310	250
				05-05-03	--	1,180	210
WBR- 132	302505091132001	12115BR	2,082	06-04-03	--	580	74.0
WBR- 136	302712091145701	12112BR	1,305	01-10-03	--	288	3.50
WBR- 148	302702091185101	12112BR	1,304	01-30-03	57.68	343	2.80
WBR- 173	302456091130202	12115BR	2,194	02-03-03	--	402	25.0
WBR- 181	302644091121201	12117BR	1,900	01-10-03	--	302	3.00
WINN PARISH							
W- 144B	315450092310102	124SPRT	550	11-12-02	54.78	1,720	190
				03-05-03	54.25	1,730	200
				09-02-03	55.80	1,730	200
W- 179	315948092300301	124SPRT	585	11-12-02	122.42	1,580	270
				03-03-03	122.09	1,590	280
				09-02-03	123.28	1,570	270

a Specific Conductance, wat unfiltered lab, uS/cm

HYDROGEOLOGIC UNIT (AQUIFER):

112CHCTL- Chicot aquifer, lower sand unit, Pleistocene age.
 112CHCTU- Chicot aquifer, upper sand unit, Pleistocene age.
 112GRMC- Gramercy aquifer, pleistocene age.
 112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
 112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
 112NORC-Norco aquifer, Pleistocene age.
 11202LC-"200-foot" sand of Lake Charles area, Pleistocene age.
 11204BR-"400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
 11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
 11206BR-"600-foot" sand of Baton Rouge area, Pleistocene age.
 11207LC-"700-foot" sand of Lake Charles area, Pleistocene age.
 120CVGN-Covington aquifer, Pliocene age.
 12110BR-"1,000-foot" sand of Baton Rouge area, Pliocene age.
 12112BR-"1,200-foot" sand of Baton Rouge area, Pliocene age.
 12115BR-"1,500-foot" sand of Baton Rouge area, Pliocene age.
 12117BR-"1,700-foot" sand of Baton Rouge area, Pliocene age.
 122CRNB-Carnahan Bayou aquifer, Miocene age.
 122WMCK-Williamson Creek aquifer, Miocene age.
 12220BR-"2,000-foot" sand of Baton Rouge area, Miocene age.
 12223BR-"2,000 and 2,400 foot" sands of Baton Rouge area, Miocene age.
 12224BR-"2,400-foot" sand of Baton Rouge area, Miocene age.
 12228BR-"2,800-foot" sand of Baton Rouge area, Miocene age.
 124SPRT-Sparta sand, Eocene age.

MISCELLANEOUS ANALYSES

{See page 926 for explanation of hydrogeologic unit (aquifer) codes}

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Date	Depth of well, feet below LSD (72008)	Geologic unit	Color, water, fltrd, Pt-Co units (00080)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
BIENVILLE PARISH											
BI- 246	323244092550601	05-23-03 09-09-03	583	124SPRT	-- --	5.2 5.1	81 77	23.3 23.1	13 13	2.80 2.70	1.50 1.50
BOSSIER PARISH											
BO- 475	324849093375601	05-20-03 09-09-03	360	124SPRT	-- --	5.9 5.9	154 149	20.1 20.2	12 12	3.00 3.00	1.20 1.20
CALCASIEU PARISH											
CU-1385	301324093170501	09-17-03	580	11205LC	<5	--	672	24.7	110	31.0	7.90
CALDWELL PARISH											
CA- 106	321507092145202	05-15-03 09-16-03	535	124SPRT	-- --	8.4 8.4	1,110 1,090	23.1 22.9	2 2	0.55 0.52	0.21 0.19
CLAIBORNE PARISH											
CL- 150	325103092434901	05-14-03 09-18-03	750	124SPRT	-- --	8.5 8.5	531 536	24.8 24.8	-- --	0.23 0.22	0.06 0.06
FRANKLIN PARISH											
FR- 720	320941091411301	03-06-03	100	112MRVA	--	--	10,200	20.1	1,000	261	92.0
FR- 721	320958091425501	03-06-03	77	112MRVA	--	--	1,680	20.1	390	97.0	37.0
JACKSON PARISH											
JA- 115	321822092270402	05-20-03 09-12-03	940	124SPRT	-- --	8.7 8.8	1,040 1,050	27.2 27.0	2 2	0.58 0.56	0.10 0.10
JEFFERSON PARISH											
JF- 184	295926090143201	09-05-03	704	112GZNO	40	--	811	24.9	16	4.00	1.50
LINCOLN PARISH											
L- 160	322951092382301	05-22-03 09-09-03	792	124SPRT	-- --	8.1 8.1	463 458	25.8 25.8	2 2	0.47 0.48	0.16 0.16
MADISON PARISH											
MA- 64	322614091122001	09-03-03	117	112MRVA	--	7.4	9,550	22.8	620	168	48.0
MA- 65	322428091130201	09-03-03	119	112MRVA	--	7.2	6,330	20.7	810	214	67.0
MOREHOUSE PARISH											
MO- 86	324636091473402	05-16-03 09-11-03	600	124SPRT	-- --	8.0 8.1	1,860 1,830	22.4 23.0	19 20	5.10 5.40	1.40 1.50
MO- 423	324128091521801	05-16-03 09-11-03	778	124SPRT	-- --	8.8 8.6	2,060 1,990	21.8 23.0	12 13	3.90 4.20	0.58 0.66

QUALITY OF GROUND WATER
MISCELLANEOUS ANALYSES—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
BIENVILLE PARISH												
BI- 246	05-23-03	4.20	7.3	17	4.2	<0.1	41.0	9.8	82	83	902	24
	09-09-03	4.20	6.6	b20	4.2	<0.1	40.0	9.3	87	--	814	21
BOSSIER PARISH												
BO- 475	05-20-03	2.00	26.0	57	6.8	0.1	30.0	4.0	109	106	1,450	34
	09-09-03	1.90	26.0	b61	6.8	0.1	31.0	3.9	147	110	1,480	34
CALCASIEU PARISH												
CU-1385	09-17-03	2.30	91.0	c170	100	0.2	48.0	<0.40	--	385	1,270	385
CALDWELL PARISH												
CA- 106	05-15-03	1.10	270	559	18.0	1.9	11.0	<0.2	--	680	22	<1
	09-16-03	1.10	260	575	18.0	1.9	12.0	<0.21	--	667	32	<1
CLAIBORNE PARISH												
CL- 150	05-14-03	0.70	120	193	44.0	0.3	13.0	0.2	294	312	8	<1
	09-18-03	0.70	120	b201	45.0	0.3	13.0	<0.21	--	309	9	<1
FRANKLIN PARISH												
FR- 720	03-06-03	8.90	1,640	b439	3,120	0.2	30.0	<2.00	--	5,800	11,200	166
FR- 721	03-06-03	3.30	190	b384	260	0.2	28.0	1.90	851	854	3,110	278
JACKSON PARISH												
JA- 115	05-20-03	0.80	220	241	154	0.3	14.0	5.9	541	583	4	<1
	09-12-03	0.80	220	272	155	0.3	15.0	5.5	560	572	5	<1
JEFFERSON PARISH												
JF- 184	09-05-03	1.50	170	c207	120	0.3	28.0	<0.40	--	465	78	34
LINCOLN PARISH												
L- 160	05-22-03	0.70	100	168	29.0	0.2	22.0	9.9	263	280	17	2
	09-09-03	0.70	100	b178	29.0	0.2	23.0	10	306	278	18	2
MADISON PARISH												
MA- 64	09-03-03	10.0	1,880	832	2,820	1.7	28.0	<1.8	--	5,520	3,590	404
MA- 65	09-03-03	8.70	1,090	709	1,690	0.9	28.0	<1.0	--	3,670	7,880	506
MOREHOUSE PARISH												
MO- 86	05-16-03	3.40	400	465	306	1.5	9.70	<0.3	--	1,040	407	8
	09-11-03	3.30	390	b471	311	1.5	10.0	<0.35	--	1,040	366	8
MO- 423	05-16-03	1.90	440	385	407	0.8	6.10	<0.4	--	1,140	147	4
	09-11-03	1.60	420	b400	404	0.8	11.0	<0.35	--	1,100	86	4

MISCELLANEOUS ANALYSES—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Date	Depth of well, feet below LSD (72008)	Geologic unit	Color, water, fltrd, Pt-Co units (00080)	Carbon dioxide water, unfltrd mg/L (00405)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
NATCHITOCHE PARISH											
NA- 562	313925093044401	10-09-02	725	124SPRT	--	1.1	8.6	1,370	26.5	2	0.70
		05-15-03			--	--	8.6	1,290	26.1	2	0.78
		09-16-03			--	--	8.6	1,400	26.8	2	0.76
OUACHITA PARISH											
OU- 78	322854092091501	09-18-03	730	124SPRT	--	--	8.5	2,020	24.8	38	11.0
OU- 464	322808092042301	05-16-03	620	124SPRT	--	--	8.5	1,090	23.4	2	0.47
		09-11-03			--	--	8.4	1,070	23.4	2	0.44
OU- 542	321918092051701	05-16-03	350	124SPRT	--	--	8.4	1,280	21.4	4	0.93
		09-11-03			--	--	8.4	1,260	21.4	4	0.92
OU- 628	323805091555201	05-16-03	700	124SPRT	--	--	8.4	1,520	24.9	4	1.10
		09-11-03			--	--	8.4	1,490	24.9	4	1.10
RAPIDES PARISH											
R-1210	310810092364304	07-22-03	2,036	122CRNB	5	6.8	7.9	1,250	36.9	5	1.80
R-1431	310814092364401	07-22-03	528	122WMCK	10	5.4	7.9	482	23.7	14	4.70
UNION PARISH											
UN- 28	325407092150201	05-16-03	595	124SPRT	--	--	8.3	1,470	23.5	7	2.00
		09-18-03			--	--	7.4	1,530	23.9	7	2.10
UN- 140	325641092242101	05-14-03	753	124SPRT	--	--	7.5	1,220	24.1	5	1.60
		09-09-03			--	--	7.5	1,220	24.6	6	1.70
UN- 202	325004092260801	05-14-03	800	124SPRT	--	--	8.5	1,270	24.6	3	0.91
UN- 205	325944092355901	09-09-03	725	124SPRT	--	--	7.8	768	27.2	2	0.60
		05-14-03			--	--	8.5	1,440	25.2	15	5.00
		09-18-03			--	--	8.5	1,480	25.2	16	5.40
WEBSTER PARISH											
WB- 356	330107093283801	05-20-03	491	124SPRT	--	--	7.5	345	20.7	24	6.50
		09-09-03			--	--	7.5	335	20.7	24	6.30
WB- 406	323600093142001	05-20-03	640	124SPRT	--	--	7.5	351	25.8	50	17.0
		09-09-03			--	--	6.9	369	24.5	53	18.0
WINN PARISH											
W- 162	320453092291201	10-09-02	352	124SPRT	--	26	7.5	958	26.0	3	0.87
		05-15-03			--	--	8.6	1,020	21.6	2	0.54
		09-12-03			--	--	8.5	1,040	21.5	2	0.51
W- 202	315501092371501	10-09-02	682	124SPRT	--	1.9	8.5	846	25.4	1	0.35
		05-15-03			--	--	8.4	887	24.9	2	0.38
		09-16-03			--	--	8.3	874	24.8	1	0.35

QUALITY OF GROUND WATER
MISCELLANEOUS ANALYSES—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
NATCHITOCHES PARISH													
NA- 562	10-09-02	0.11	0.90	280	225	280	0.4	14.0	0.40	711	727	4	<1
	05-15-03	0.11	0.90	280	217	284	0.4	14.0	0.4	711	724	12	<1
	09-16-03	0.11	0.90	280	b219	294	0.4	15.0	<0.35	--	771	4	<1
OUACHITA PARISH													
OU- 78	09-18-03	2.60	2.00	390	297	463	0.3	12.0	<0.70	--	1,020	24	2
OU- 464	05-16-03	0.11	1.00	240	272	167	0.3	12.0	0.3	584	593	11	<1
	09-11-03	0.12	0.90	220	b281	169	0.3	12.0	<0.35	--	592	12	<1
OU- 542	05-16-03	0.32	1.50	290	469	124	1.4	11.0	<0.3	--	735	20	<1
	09-11-03	0.32	1.50	280	b473	125	1.3	11.0	<0.21	--	749	23	1
OU- 628	05-16-03	0.24	1.30	320	367	248	0.6	12.0	<0.3	--	840	15	<1
	09-11-03	0.24	1.30	320	389	252	0.6	12.0	<0.28	--	836	17	<1
RAPIDES PARISH													
R-1210	07-22-03	0.23	2.20	270	310	210	1.1	57.0	0.60	729	771	51	3
R-1431	07-22-03	0.65	1.20	110	244	12.0	1.2	17.0	0.90	294	320	4	2
UNION PARISH													
UN- 28	05-16-03	0.43	1.50	310	229	327	0.3	12.0	<0.3	--	812	26	2
	09-18-03	0.43	1.50	300	242	339	0.3	12.0	<0.28	--	793	12	2
UN- 140	05-14-03	0.32	1.30	250	203	244	0.3	11.0	0.2	631	673	9	2
	09-09-03	0.33	1.30	260	233	246	0.3	12.0	<0.28	--	683	11	2
UN- 202	05-14-03	0.23	1.20	270	285	214	0.4	12.0	<0.3	--	710	14	<1
	09-09-03	0.09	0.80	160	282	95.0	0.3	12.0	0.21	438	435	21	<1
	05-14-03	0.50	1.60	280	157	352	0.2	12.0	<0.3	--	739	6	2
UN- 205	09-18-03	0.52	1.60	280	191	355	0.2	12.0	<0.28	--	719	6	2
WEBSTER PARISH													
WB- 356	05-20-03	1.90	1.60	65.0	138	12.0	0.2	13.0	9.8	193	180	102	11
	09-09-03	1.90	1.50	64.0	b143	12.0	0.2	13.0	9.4	238	197	90	11
WB- 406	05-20-03	1.90	3.30	53.0	135	11.0	<0.1	15.0	21.0	203	221	<2	1
	09-09-03	2.00	9.80	52.0	130	22.0	<0.1	15.0	21	218	216	62	15
WINN PARISH													
W- 162	10-09-02	0.23	1.10	230	440	32.0	1.7	11.0	0.60	541	592	238	31
	05-15-03	0.19	1.10	250	516	13.0	1.6	11.0	<0.2	--	627	33	4
	09-12-03	0.19	1.20	230	b521	14.0	1.6	11.0	<0.21	--	617	34	4
W- 202	10-09-02	0.13	0.80	190	285	94.0	0.4	13.0	3.30	473	477	8	1
	05-15-03	0.14	0.90	200	274	99.0	0.3	13.0	2.9	481	502	36	2
	09-16-03	0.14	0.90	190	312	99.0	0.3	14.0	2.8	495	505	48	2

Remark codes used in this table:

< -- Less than

a--- Specific conductance, water unfiltered, lab, cS/cm 25 degC (90095)

b--- Alkalinity, water, filtered, fixed end point, lab, mg/L as CaCO3 (29801)

c--- Alkalinity, water, unfiltered, incremental titration, field, mg/L as CaCO3 (00419)

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM - ACADIAN-PONCHATRAIN STUDY UNIT

{See page 926 for explanation of hydrogeologic unit (aquifer) codes}

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Geologic unit	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)
ACADIA PARISH										
AC-6896Z	09-08-03	112CHCTU	96	--	10.	--	8.7	0.1	7.4	7.6
BEAUREGARD PARISH										
BE-6077Z	09-10-03	112CHCT	180.	--	103.	--	8.2	--	6.1	7.1
CALCASIEU PARISH										
CU-7082Z	09-09-03	11202LC	260.	31.95	13.00	--	4.3	0.4	7.3	7.8
JEFFERSON DAVIS PARISH										
JD-5938Z	09-10-03	112CHCT	145.	--	35.	--	0.5	0.2	6.5	7.1
LAFAYETTE PARISH										
LF-10000Z	03-11-03	112CHCTU	79.	61.42	56.	67.0	--	4.9	6.0	6.5
LF-10016Z	03-12-03	112CHCTU	76.	48.35	31.	64.0	5.0	1.8	7.3	7.5
LF-10026Z	03-13-03	112CHCTU	65.	45.28	39.	53.0	1.1	0.9	6.5	6.4
LF-10180Z	03-13-03	112CHCTU	64.	42.61	28.	52.0	0.3	1.4	6.8	6.8
LF-9976Z	03-12-03	112CHCTU	51.	36.42	34.	40.0	0.3	6.7	7.0	6.7
ST LANDRY PARISH										
SL-6924Z	09-09-03	112CHCT	50.	--	60.	--	5.1	0.2	7.2	7.5

Local identifier	Date	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, unfltrd, mg/L (00915)	Magnesium, water, unfltrd, mg/L (00925)	Potassium, water, unfltrd, mg/L (00935)	Sodium adsorption ratio (00931)
ACADIA PARISH										
AC-6896Z	09-08-03	709	754	28.5	23.7	160	44.5	12.8	2.33	3
BEAUREGARD PARISH										
BE-6077Z	09-10-03	197	--	27.0	24.1	45	11.8	3.81	2.53	2
CALCASIEU PARISH										
CU-7082Z	09-09-03	389	415	31.0	23.9	66	17.9	5.24	1.10	4
JEFFERSON DAVIS PARISH										
JD-5938Z	09-10-03	266	214	30.0	22.3	60	14.5	5.71	1.46	2
LAFAYETTE PARISH										
LF-10000Z	03-11-03	106	116	--	21.6	27	6.99	2.34	1.38	0.8
LF-10016Z	03-12-03	356	380	--	22.3	140	39.9	9.99	5.12	0.8
LF-10026Z	03-13-03	191	--	--	21.4	65	15.9	6.25	3.02	0.7
LF-10180Z	03-13-03	303	326	--	21.4	97	26.7	7.47	1.56	1
LF-9976Z	03-12-03	190	197	--	20.9	24	6.74	1.71	21.1	2
ST LANDRY PARISH										
SL-6924Z	09-09-03	489	508	27.0	23.8	220	54.5	19.4	1.78	0.7

ANALYSES OF SAMPLES COLLECTED AT SELECTED GROUND-WATER SITES
NATIONAL WATER-QUALITY ASSESSMENT PROGRAM - ACADIAN-PONCHATRAIN STUDY UNIT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt fxd end lab, mg/L as CaCO ₃ (29801)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
ACADIA PARISH											
AC-6896Z	09-08-03	90.4	54	231	225	275	0.20	103	<0.2	36.7	<0.2
BEAUREGARD PARISH											
BE-6077Z	09-10-03	23.7	52	53	51	62	0.13	28.3	<0.2	57.2	7.0
CALCASIEU PARISH											
CU-7082Z	09-09-03	66.6	68	202	190	231	0.03	12.5	<0.2	19.2	<0.2
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	36.1	56	98	100	122	0.31	31.0	0.3	55.9	2.6
LAFAYETTE PARISH											
LF-10000Z	03-11-03	9.51	42	--	42	51	0.05	3.18	0.16	46.9	3.5
LF-10016Z	03-12-03	22.1	25	--	171	208	0.08	14.1	0.33	33.6	2.0
LF-10026Z	03-13-03	13.8	30	--	93	106	0.07	7.59	0.24	45.7	5.9
LF-10180Z	03-13-03	32.0	41	--	156	190	0.06	7.91	0.29	37.9	1.1
LF-9976Z	03-12-03	19.4	45	--	91	102	0.09	5.45	0.19	44.4	1.1
ST LANDRY PARISH											
SL-6924Z	09-09-03	22.3	18	258	250	305	0.09	16.7	0.3	37.3	<0.2

Local identifier	Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)
ACADIA PARISH										
AC-6896Z	09-08-03	--	--	421	1.1	1.19	0.92	<0.06	<0.008	0.20
BEAUREGARD PARISH										
BE-6077Z	09-10-03	166	0.23	169	<0.10	--	<0.04	<0.06	<0.008	--
CALCASIEU PARISH										
CU-7082Z	09-09-03	--	--	243	0.36	0.36	0.28	<0.06	<0.008	0.09
JEFFERSON DAVIS PARISH										
JD-5938Z	09-10-03	212	0.28	205	0.13	0.09	0.07	<0.06	E.004n	0.06
LAFAYETTE PARISH										
LF-10000Z	03-11-03	106	0.14	103	<0.10	--	<0.04	1.42	<0.008	--
LF-10016Z	03-12-03	230	0.30	223	<0.10	--	<0.04	<0.06	<0.008	--
LF-10026Z	03-13-03	153	0.20	146	<0.10	--	<0.04	<0.06	<0.008	--
LF-10180Z	03-13-03	211	0.28	203	<0.10	--	<0.04	0.17	<0.008	--
LF-9976Z	03-12-03	154	0.20	146	<0.10	--	<0.04	0.50	<0.008	--
ST LANDRY PARISH										
SL-6924Z	09-09-03	--	--	302	0.28	0.25	0.20	<0.06	<0.008	0.09

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Local identifier	Date	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic, water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)
ACADIA PARISH											
AC-6896Z	09-08-03	--	E.16n	<2	<0.30	0.5	557	<0.06	71	<0.04	<0.8
BEAUREGARD PARISH											
BE-6077Z	09-10-03	0.156	0.05	<2	<0.30	1.9	119	<0.06	15	<0.04	<0.8
CALCASIEU PARISH											
CU-7082Z	09-09-03	0.484	0.16	M	<0.30	1.2	151	<0.06	54	<0.04	<0.8
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	1.13	0.37	<2	<0.30	1.3	122	<0.06	21	<0.04	<0.8
LAFAYETTE PARISH											
LF-10000Z	03-11-03	0.488	0.16	<2	<0.30	0.5	38	E.03	15	0.05	7.5
LF-10016Z	03-12-03	0.601	0.20	<2	<0.30	1.9	133	<0.06	22	0.04	<0.8
LF-10026Z	03-13-03	1.54	0.50	E1	<0.30	4.1	71	<0.06	20	<0.04	<0.8
LF-10180Z	03-13-03	1.34	0.44	<2	<0.30	1.9	133	<0.06	22	0.04	<0.8
LF-9976Z	03-12-03	1.06	0.34	M	<0.30	1.0	47	<0.06	20	<0.04	19.2
ST LANDRY PARISH											
SL-6924Z	09-09-03	0.488	0.16	<2	<0.30	0.3	183	<0.06	48	<0.04	<0.8

Local identifier	Date	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
ACADIA PARISH											
AC-6896Z	09-08-03	0.13	0.3	1,160	<0.08	17.8	57.9	0.5	0.30	<0.5	<0.20
BEAUREGARD PARISH											
BE-6077Z	09-10-03	1.42	1.2	412	E.04	11.7	89.9	0.4	2.82	<0.5	<0.20
CALCASIEU PARISH											
CU-7082Z	09-09-03	0.04	E.2	25	E.04	7.8	75.3	2.9	0.20	<0.5	<0.20
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	0.03	<0.2	2,900	<0.08	10.5	388	0.3	0.25	<0.5	<0.20
LAFAYETTE PARISH											
LF-10000Z	03-11-03	0.05	9.1	<10	0.92	7.4	3.3	0.5	2.56	<0.5	M
LF-10016Z	03-12-03	0.32	1.3	E5	E.05	24.4	151	2.6	2.80	E.5	<0.20
LF-10026Z	03-13-03	1.37	1.5	657	<0.08	16.3	432	0.7	1.60	<0.5	M
LF-10180Z	03-13-03	1.22	2.5	--	E.06	6.1	168	0.9	2.86	1.9	<0.20
LF-9976Z	03-12-03	0.06	0.9	<10	<0.08	36.7	<2.0	0.3	0.87	<0.5	M
ST LANDRY PARISH											
SL-6924Z	09-09-03	0.19	E.2	2,620	0.55	11.2	153	0.9	0.71	<0.5	<0.20

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Local identifier	Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Uranium natural water, fltrd, ug/L (22703)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	Deethyl-atrazine water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)
ACADIA PARISH												
AC-6896Z	09-08-03	455	<0.04	<0.02	0.9	2	<0.006	<0.006	<0.006	<0.004	<0.005	95.3
BEAUREGARD PARISH												
BE-6077Z	09-10-03	116	<0.04	<0.02	0.5	2	<0.006	<0.006	<0.006	<0.004	<0.005	92.6
CALCASIEU PARISH												
CU-7082Z	09-09-03	210	<0.04	<0.02	1.5	25	<0.006	<0.006	<0.006	<0.004	<0.005	96.2
JEFFERSON DAVIS PARISH												
JD-5938Z	09-10-03	74.8	<0.04	<0.02	0.9	79	<0.006	<0.006	<0.006	<0.004	<0.005	100
LAFAYETTE PARISH												
LF-10000Z	03-11-03	36.3	<0.04	E.02	1.4	5	<0.006	<0.006	<0.006	<0.004	<0.005	84.7
LF-10016Z	03-12-03	129	<0.04	0.39	1.1	1	<0.006	<0.006	<0.006	<0.004	<0.005	94.5
LF-10026Z	03-13-03	55.2	<0.04	<0.02	<0.1	4	<0.006	<0.006	<0.006	<0.004	<0.005	101
LF-10180Z	03-13-03	191	<0.04	0.10	3.9	M	<0.006	<0.006	<0.006	<0.004	<0.005	89.3
LF-9976Z	03-12-03	175	<0.04	0.05	1.9	2	<0.006	<0.006	<0.006	<0.004	<0.005	104
ST LANDRY PARISH												
SL-6924Z	09-09-03	220	<0.04	<0.02	2.1	262	<0.006	<0.006	<0.006	<0.004	<0.005	92.8

Local identifier	Date	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	Dacthal water fltrd 0.7u GF (82682)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
LF-10016Z	03-12-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
LF-10026Z	03-13-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
LF-10180Z	03-13-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
LF-9976Z	03-12-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003

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Local identifier	Date	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diazi- non-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.004	<0.005	113	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.004	<0.005	99.0	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.004	<0.005	105	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.004	<0.005	109	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.004	<0.005	107	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
LF-10016Z	03-12-03	<0.004	<0.005	110	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
LF-10026Z	03-13-03	<0.004	<0.005	124	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
LF-10180Z	03-13-03	<0.004	<0.005	105	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
LF-9976Z	03-12-03	<0.004	<0.005	109	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.004	<0.005	102	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005

Local identifier	Date	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.005	<0.007	<0.003	<0.010	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
LF-10016Z	03-12-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
LF-10026Z	03-13-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
LF-10180Z	03-13-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
LF-9976Z	03-12-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002

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Local identifier	Date	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
LF-10016Z	03-12-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
LF-10026Z	03-13-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
LF-10180Z	03-13-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
LF-9976Z	03-12-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011
Local identifier	Date	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2- Tetra- chloro- ethane, water, unfltrd ug/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd ug/L (34506)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.02	<0.005	<0.02	E.057	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
LF-10016Z	03-12-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
LF-10026Z	03-13-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
LF-10180Z	03-13-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
LF-9976Z	03-12-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	<0.03	<0.03

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water, unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.09	<0.06	<0.06n	<0.04	<0.04n	<0.05	<0.2	<0.2	<0.3	<0.16
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.09	<0.06	<0.06n	<0.04	<0.04n	<0.05	<0.2	<0.2	<0.3	<0.16
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.09	<0.06	<0.06n	<0.04	<0.04n	<0.05	<0.2	<0.2	<0.3	<0.16
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.09	<0.06	<0.06n	<0.04	<0.04n	<0.05	<0.2	<0.2	<0.3	<0.16
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16
LF-10016Z	03-12-03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16
LF-10026Z	03-13-03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16
LF-10180Z	03-13-03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16
LF-9976Z	03-12-03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.09	<0.06	<0.06n	<0.04	<0.04n	<0.05	<0.2	<0.2	<0.3	<0.16
Local identifier	Date	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo-chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-ethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	103	<0.03	<0.04
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	103	<0.03	<0.04
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	103	<0.03	<0.04
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	102	<0.03	<0.04
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	97.6	<0.03	<0.04
LF-10016Z	03-12-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	96.7	<0.03	<0.04
LF-10026Z	03-13-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	98.4	<0.03	<0.04
LF-10180Z	03-13-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	101	<0.03	<0.04
LF-9976Z	03-12-03	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	100	<0.03	<0.04
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.1	<0.1	E.06n	<0.5	<0.04	<0.03	<0.1	99.1	<0.03	<0.04

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Local identifier	Date	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	14Bromo fluoro-benzene surrog. VOC Sch wat unfltrd ug/L (99834)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.03	<0.1	<0.05	85.2	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.03	<0.1	<0.05	82.7	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.03	<0.1	<0.05	83.9	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.03	<0.1	<0.05	81.8	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.03	<0.1	<0.05	75.2	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
LF-10016Z	03-12-03	<0.03	<0.1	<0.05	79.1	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
LF-10026Z	03-13-03	<0.03	<0.1	<0.05	75.3	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
LF-10180Z	03-13-03	<0.03	<0.1	<0.05	72.3	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
LF-9976Z	03-12-03	<0.03	<0.1	<0.05	80.1	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.03	<0.1	<0.05	77.9	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12

Local identifier	Date	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)
ACADIA PARISH											
AC-6896Z	09-08-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
CALCASIEU PARISH											
CU-7082Z	09-09-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
LF-10016Z	03-12-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	E.02	<0.03
LF-10026Z	03-13-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
LF-10180Z	03-13-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
LF-9976Z	03-12-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03
ST LANDRY PARISH											
SL-6924Z	09-09-03	<7	<1	<0.04	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03

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Local identifier	Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unfltrd ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
LF-10016Z	03-12-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
LF-10026Z	03-13-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
LF-10180Z	03-13-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
LF-9976Z	03-12-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.1	<0.2	<0.04	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10

Local identifier	Date	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
LF-10016Z	03-12-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
LF-10026Z	03-13-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
LF-10180Z	03-13-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
LF-9976Z	03-12-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0

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Local identifier	Date	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
LF-10016Z	03-12-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
LF-10026Z	03-13-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
LF-10180Z	03-13-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
LF-9976Z	03-12-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.3	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04

Local identifier	Date	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	Toluene-d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)
ACADIA PARISH											
AC-6896Z	09-08-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	103	<0.03	<0.09
BEAUREGARD PARISH											
BE-6077Z	09-10-03	<0.05	<0.2	<0.10	<0.03	<0.06	5	<0.05	98.3	<0.03	<0.09
CALCASIEU PARISH											
CU-7082Z	09-09-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	99.1	<0.03	<0.09
JEFFERSON DAVIS PARISH											
JD-5938Z	09-10-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	98.3	<0.03	<0.09
LAFAYETTE PARISH											
LF-10000Z	03-11-03	<0.05	<0.2	<0.10	E.04	<0.06	<2	<0.05	95.7	<0.03	<0.09
LF-10016Z	03-12-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	96.0	<0.03	<0.09
LF-10026Z	03-13-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	95.1	<0.03	<0.09
LF-10180Z	03-13-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	94.5	<0.03	<0.09
LF-9976Z	03-12-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	94.5	<0.03	<0.09
ST LANDRY PARISH											
SL-6924Z	09-09-03	<0.05	<0.2	<0.10	<0.03	<0.06	<2	<0.05	96.7	<0.03	<0.09

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Local identifier	Date	trans- 1,4-Di- chloro- 2- butene, wat unfltrd ug/L (73547)	Tri- bromo- methane water unfltrd ug/L (32104)	Tri- chloro- ethene, water, unfltrd ug/L (39180)	Tri- chloro- fluoro- methane water unfltrd ug/L (34488)	Tri- chloro- methane water unfltrd ug/L (32106)	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)
ACADIA PARISH									
AC-6896Z	09-08-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	18	110
BEAUREGARD PARISH									
BE-6077Z	09-10-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	16	30
CALCASIEU PARISH									
CU-7082Z	09-09-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	18	130
JEFFERSON DAVIS PARISH									
JD-5938Z	09-10-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	--	--
LAFAYETTE PARISH									
LF-10000Z	03-11-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	--	--
LF-10016Z	03-12-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	--	--
LF-10026Z	03-13-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	--	--
LF-10180Z	03-13-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	--	--
LF-9976Z	03-12-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	--	--
ST LANDRY PARISH									
SL-6924Z	09-09-03	<0.7	<0.10	<0.04	<0.09	<0.02	<0.1	20	170

Remark codes used in this table:

< -- Less than

E -- Estimated value

M-- Presence verified, not quantified

Value qualifier codes used in this table:

n -- Below the NDV

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Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second-per-day [(ft ³ /s/d)]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.223×10^3	cubic meter (m ³)
	1.223×10^{-3}	cubic hectometer (hm ³)
	1.223×10^{-6}	cubic kilometer (km ³)
Flow rate		
cubic foot per second (ft ³ /s)	2.832×10^1	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$