

Water-Data Report 2011

**07373420 Mississippi River near St. Francisville, LA**

Lower Mississippi-Baton Rouge Basin  
Lower Mississippi-Baton Rouge Subbasin

LOCATION.--Lat 30°45'30", long 91°23'45" referenced to North American Datum of 1927, West Feliciana Parish, LA, Hydrologic Unit 08070100, at State Highway 10 Ferry Crossing, 2.0 mi southwest of St. Francisville, and at mile 266.0.

DRAINAGE AREA.--1125300 mi<sup>2</sup>, contributing.

**WATER-QUALITY RECORDS**

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

PERIOD OF DAILY RECORD.--

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

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

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to April 1990.

DISSOLVED SOLIDS: October 1978 to April 1990.

REMARKS.--At high stages, a significant amount of flow may occur outside of the main channel.

5/16 - 6/20 Because of unmeasurable flow outside the channel, all of these discharge values are either estimated from the Baton Rouge gage or are missing some of the flow.

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.

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per centimeter (50624)	Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units per centimeter (61726)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Transparency, water, in situ, Secchi disc, feet (49701)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)
10-27-2010	0900	.193	.139	8.7	8.0	465	20.4	1.1	38
12-08-2010	1000	.119	.087	10.8	8.1	481	9.2	.80	60
01-10-2011	0930	.105	.077	--	8.0	446	5.7	.80	51
02-09-2011	0900	.103	.077	13.3	8.2	461	4.2	.90	30
02-22-2011	1000	.086	.063	13.2	8.1	441	7.1	1.1	41
03-08-2011	0900	.107	.080	10.6	8.1	411	7.7	.30	230
03-21-2011	1000	.119	.089	10.2	8.0	327	10.7	.80	72
04-06-2011	1030	.111	.083	9.2	7.8	344	13.2	1.8	30
04-20-2011	0900	.098	.072	9.1	7.9	372	16.7	.90	54
05-09-2011	1100	.144	.108	8.6	7.8	284	18.6	1.0	38
05-16-2011	1200	.144	.108	6.7	7.8	270	19.2	.80	42
05-23-2011	1000	.141	.106	7.0	7.7	277	20.7	.90	32
05-30-2011	1000	.136	.101	7.0	7.9	306	22.3	1.5	23
06-06-2011	1000	.134	.099	7.8	7.8	334	24.4	1.5	21
06-13-2011	0930	.137	.100	6.5	7.8	347	26.3	1.0	30
06-20-2011	0900	.133	.096	6.7	7.9	391	28.0	1.1	31
06-27-2011	1000	.130	.094	7.8	7.8	429	26.9	.80	68
07-11-2011	1100	.116	.084	--	7.8	415	27.6	.70	80
07-25-2011	1000	.115	.082	6.0	7.9	478	29.6	.80	61
08-22-2011	1000	.109	.079	7.5	8.0	525	29.8	.90	45

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)
10-27-2010	0900	301	51.8	17.6	4.26	19.2	139	169	3.38
12-08-2010	1000	303	49.1	17.2	3.78	26.2	133	162	2.92
01-10-2011	0930	263	47.5	15.1	3.08	20.9	133	158	2.43
02-09-2011	0900	287	49.5	15.9	2.97	23.2	140	171	2.00
02-22-2011	1000	263	44.1	13.4	2.92	24.6	118	144	2.42
03-08-2011	0900	244	42.0	12.7	3.28	22.8	104	127	12.1
03-21-2011	1000	194	33.2	9.10	2.73	14.0	97.2	119	2.86
04-06-2011	1030	219	39.2	11.1	3.06	14.9	92.4	113	1.44
04-20-2011	0900	226	40.9	13.2	3.07	16.1	101	123	2.75
05-09-2011	1100	176	31.4	8.85	2.96	10.8	80.1	97.6	1.69
05-16-2011	1200	165	32.3	9.03	2.97	9.02	79.5	96.9	1.59
05-23-2011	1000	157	32.1	9.70	3.17	8.94	80.5	98.1	2.94
05-30-2011	1000	181	34.1	10.4	2.84	10.5	96.6	118	1.09
06-06-2011	1000	189	35.9	11.8	3.11	13.1	102	125	1.23
06-13-2011	0930	202	37.0	12.0	3.29	12.9	107	130	1.61
06-20-2011	0900	233	42.2	14.3	3.71	14.2	123	150	2.15
06-27-2011	1000	265	45.6	15.7	3.74	17.9	133	163	3.45
07-11-2011	1100	255	39.6	14.2	3.72	18.7	122	149	3.56
07-25-2011	1000	271	47.3	16.5	4.26	22.9	144	176	3.11
08-22-2011	1000	330	48.5	18.0	4.43	31.4	147	180	2.20

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 3 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Inorganic carbon, suspended sediment, total, mg/L (00688)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
10-27-2010	0900	17.9	.21	< .03	10.9	60.1	.35	.68	< .010	1.47
12-08-2010	1000	25.3	.21	.04	7.55	67.3	.36	.60	.023	1.38
01-10-2011	0930	20.8	.18	.09	8.67	50.0	.35	.57	.055	1.50
02-09-2011	0900	26.4	.18	< .03	8.08	50.8	.27	.57	.037	1.75
02-22-2011	1000	30.5	.16	< .03	7.17	50.5	.44	.57	.038	1.55
03-08-2011	0900	34.7	.16	.25	7.07	43.9	.42	1.3	.049	2.27
03-21-2011	1000	22.3	.13	< .03	6.63	31.3	.33	.67	.020	1.84
04-06-2011	1030	20.6	.16	.04	6.68	35.5	.31	.44	.011	1.64
04-20-2011	0900	20.8	.15	< .03	7.07	43.2	.24	.53	.011	1.75
05-09-2011	1100	14.2	.14	.06	7.27	31.6	.44	.54	.022	1.11
05-16-2011	1200	11.3	.11	< .03	7.65	29.5	.33	.47	.019	1.20
05-23-2011	1000	11.1	.10	.09	7.07	30.2	.31	.47	.010	1.23
05-30-2011	1000	12.3	.14	< .03	5.95	34.9	.29	.46	.013	1.14
06-06-2011	1000	14.9	.15	< .03	6.09	41.6	.31	.47	.018	1.15
06-13-2011	0930	14.4	.16	.35	6.48	40.3	.36	.45	< .010	1.47
06-20-2011	0900	15.1	.20	.20	7.96	44.0	.26	.53	< .010	2.00
06-27-2011	1000	16.1	.21	.06	7.86	53.6	.45	.65	< .010	1.90
07-11-2011	1100	14.9	.21	< .03	7.82	54.1	.32	.63	< .010	1.91
07-25-2011	1000	16.6	.25	.45	9.01	68.9	.33	.56	< .010	1.60
08-22-2011	1000	17.0	.26	.10	9.09	86.7	.29	.50	.015	1.11

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 4 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Nitrite, water, filtered, mg/L as N (00613)	Orthophos- phate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)	Phos- phorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Iron, water, filtered, µg/L (01046)	Lithium, water, filtered, µg/L (01130)	Strontium, water, filtered, µg/L (01080)
10-27-2010	0900	.002	.108	.42	.106	.208	12	10.2	198
12-08-2010	1000	.013	.082	.26	.087	.242	18	13.0	220
01-10-2011	0930	.008	.054	.32	.060	.192	23	7.8	201
02-09-2011	0900	.010	.051	.29	.061	.163	38	7.3	199
02-22-2011	1000	.012	.049	.27	.051	.150	43	6.4	199
03-08-2011	0900	.037	.069	.91	.075	.541	68	4.7	176
03-21-2011	1000	.019	.051	.31	.057	.253	97	2.8	126
04-06-2011	1030	.014	.049	.17	.052	.147	44	3.1	140
04-20-2011	0900	.020	.062	.36	.068	.227	30	5.1	155
05-09-2011	1100	.033	.057	.20	.064	.150	112	3.2	123
05-16-2011	1200	.031	.054	.16	.058	.158	130	2.7	114
05-23-2011	1000	.019	.055	.22	.062	.151	77	2.4	116
05-30-2011	1000	.007	.063	.15	.070	.139	43	4.2	124
06-06-2011	1000	.003	.065	.14	.078	.145	62	5.3	140
06-13-2011	0930	.003	.075	.21	.079	.183	24	5.7	149
06-20-2011	0900	.003	.087	.19	.089	.180	18	6.1	165
06-27-2011	1000	.001	.094	.38	.098	.253	30	9.0	179
07-11-2011	1100	.001	.086	.37	.088	.269	9	10.2	177
07-25-2011	1000	<.001	.102	.31	.102	.261	16	13.0	224
08-22-2011	1000	.001	.115	.29	.112	.274	12	17.4	266

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 5 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Vanadium, water, filtered, µg/L (01085)	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49295)	2,4-D methyl ester, water, filtered, recoverable, µg/L (50470)	2,4-D, water, filtered, recoverable, µg/L (39732)	2,4-DB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38746)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)
10-27-2010	0900	2.2	1.9	47	.76	< .036	--	--	--	< .006
12-08-2010	1000	1.4	1.5	79	.79	< .036	--	--	--	< .006
01-10-2011	0930	.81	1.0	48	.57	< .036	--	--	--	< .006
02-09-2011	0900	.81	1.0	47	.67	< .036	--	--	--	< .006
02-22-2011	1000	.71	.83	45	.60	< .036	--	--	--	< .006
03-08-2011	0900	1.3	1.1	42	.61	< .036	--	--	--	< .006
03-21-2011	1000	1.2	.89	23	.49	< .036	--	--	--	< .006
04-06-2011	1030	.95	.94	27	.52	E .004	--	--	--	< .006
04-20-2011	0900	1.0	1.0	32	.55	< .036	--	--	--	< .006
05-09-2011	1100	1.2	1.1	26	.43	< .036	--	--	--	< .006
05-16-2011	1200	1.5	1.3	24	.47	< .036	--	--	--	< .006
05-23-2011	1000	1.3	1.2	21	.45	< .036	--	--	--	< .006
05-30-2011	1000	1.2	1.4	29	.47	< .036	< .200	.03	< .02	< .006
06-06-2011	1000	1.2	1.5	32	.55	< .036	< .200	.03	< .02	< .006
06-13-2011	0930	1.3	1.7	32	.57	< .036	< .200	.02	< .02	< .006
06-20-2011	0900	1.8	2.0	33	.76	< .036	< .200	.02	< .02	< .006
06-27-2011	1000	2.0	2.0	42	.86	< .036	< .200	< .06	< .02	< .006
07-11-2011	1100	2.0	1.8	46	.78	< .036	< .200	< .06	< .02	< .006
07-25-2011	1000	2.3	2.5	50	.80	< .036	< .200	< .06	< .02	< .006
08-22-2011	1000	3.0	2.9	62	.95	< .036	--	--	--	< .006

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 6 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	2-Hydroxy-4-isopropyl-amino-6-ethyl-2-Chloro-4-isopropyl-amino-6-ethyl-2-Chloro-6-ethyl-2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L					3-Hydroxy carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L		4-Chloro-2-methyl-phenol, water, filtered, recoverable, µg/L	
		2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, µg/L (61618)	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable, µg/L (04040)	2-Chloro-6-ethyl-amino-4-triazine, water, filtered, recoverable, µg/L (04038)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, µg/L (61620)	2-Hydroxy-4-isopropyl-amino-6-ethyl-amino-6-triazine, water, filtered, recoverable, µg/L (50355)	3,4-Dichloro-aniline, water, filtered, recoverable, µg/L (61625)	3,5-Di-chloro-aniline, water, filtered, recoverable, µg/L (61627)		3-Hydroxy carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49308)
10-27-2010	0900	< .010	E .074	--	< .010	--	E .005	< .004	--	< .005
12-08-2010	1000	< .010	E .063	--	< .010	--	< .005	< .004	--	< .005
01-10-2011	0930	< .010	E .052	--	< .010	--	E .003	< .004	--	< .005
02-09-2011	0900	< .010	E .029	--	< .010	--	E .004	< .004	--	< .005
02-22-2011	1000	< .010	E .040	--	< .010	--	E .004	< .004	--	< .005
03-08-2011	0900	< .010	E .051	--	< .010	--	< .004	< .004	--	< .005
03-21-2011	1000	< .010	E .036	--	< .010	--	E .003	< .004	--	< .005
04-06-2011	1030	< .010	E .030	--	< .010	--	< .004	< .004	--	< .005
04-20-2011	0900	< .010	E .038	--	< .010	--	E .004	< .004	--	< .005
05-09-2011	1100	< .010	E .101	--	< .010	--	E .005	< .004	--	< .005
05-16-2011	1200	< .010	E .081	--	< .010	--	E .004	< .004	--	< .005
05-23-2011	1000	< .010	E .086	--	< .010	--	E .006	< .004	--	< .005
05-30-2011	1000	< .010	E .084	.03	< .010	.117	E .004	< .004	< .040	< .005
06-06-2011	1000	< .010	E .113	< .06	< .010	.124	E .005	< .004	< .040	< .005
06-13-2011	0930	< .010	E .332	.08	< .010	.154	E .005	< .004	< .040	< .005
06-20-2011	0900	< .010	E .336	.08	< .010	.205	E .009	< .004	< .040	< .005
06-27-2011	1000	< .010	E .296	.06	< .010	.211	E .009	< .004	< .040	< .005
07-11-2011	1100	< .010	E .272	.06	< .010	.209	E .008	< .004	< .040	< .005
07-25-2011	1000	< .010	E .236	.07	< .010	.312	E .006	< .004	< .040	< .005
08-22-2011	1000	< .010	E .104	--	< .010	--	E .005	< .004	--	< .005

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 7 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Acetochlor, water, filtered, recoverable, µg/L (49260)	Acifluorfen, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49315)	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldicarb sulfone, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49313)	Aldicarb sulfoxide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49314)	Aldicarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49312)	alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)
10-27-2010	0900	.017	--	< .008	--	--	--	< .006	.087	< .04
12-08-2010	1000	.017	--	< .008	--	--	--	< .006	.139	< .04
01-10-2011	0930	.021	--	< .008	--	--	--	< .006	.105	< .04
02-09-2011	0900	.018	--	< .008	--	--	--	< .006	.079	< .04
02-22-2011	1000	.017	--	< .008	--	--	--	< .006	.070	< .04
03-08-2011	0900	.016	--	< .008	--	--	--	< .006	.092	< .04
03-21-2011	1000	.013	--	< .008	--	--	--	< .006	.063	< .04
04-06-2011	1030	.011	--	< .008	--	--	--	< .006	.061	< .04
04-20-2011	0900	.012	--	< .008	--	--	--	< .006	.163	< .04
05-09-2011	1100	.048	--	< .008	--	--	--	< .006	.629	< .04
05-16-2011	1200	.039	--	.006	--	--	--	< .006	E .481	< .04
05-23-2011	1000	.036	--	< .008	--	--	--	< .006	.426	< .04
05-30-2011	1000	.032	< .040	< .008	< .08	< .060	< .12	< .006	.446	< .04
06-06-2011	1000	.077	< .040	< .008	< .08	< .060	< .12	< .006	.908	< .04
06-13-2011	0930	.266	< .040	.011	< .08	< .060	< .12	< .006	.406	< .04
06-20-2011	0900	.225	< .040	.011	< .08	< .060	< .12	< .006	.616	< .04
06-27-2011	1000	.186	< .040	.009	< .08	< .060	< .12	< .006	.488	< .04
07-11-2011	1100	.150	< .040	.009	< .08	< .060	< .12	< .006	.511	< .04
07-25-2011	1000	.082	< .040	< .008	< .08	< .060	< .12	< .006	.631	< .04
08-22-2011	1000	.016	--	< .008	--	--	--	< .006	.222	< .04



## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Bendio-carb, water, filtered, recoverable, µg/L (50299)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Benomyl, water, filtered, recoverable, µg/L (50300)	Ben-sulfuron-methyl, water, filtered, recoverable, µg/L (61693)	Bentazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38711)	Bromacil, water, filtered, recoverable, µg/L (04029)	Brom-oxynil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49311)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49310)
10-27-2010	0900	< .120	--	< .014	--	--	--	--	--	--
12-08-2010	1000	< .120	--	< .014	--	--	--	--	--	--
01-10-2011	0930	< .120	--	< .014	--	--	--	--	--	--
02-09-2011	0900	< .120	--	< .014	--	--	--	--	--	--
02-22-2011	1000	< .120	--	< .014	--	--	--	--	--	--
03-08-2011	0900	< .120	--	< .014	--	--	--	--	--	--
03-21-2011	1000	< .120	--	< .014	--	--	--	--	--	--
04-06-2011	1030	< .120	--	< .014	--	--	--	--	--	--
04-20-2011	0900	< .120	--	< .014	--	--	--	--	--	--
05-09-2011	1100	< .120	--	< .014	--	--	--	--	--	--
05-16-2011	1200	< .120	--	< .014	--	--	--	--	--	--
05-23-2011	1000	< .120	--	< .014	--	--	--	--	--	--
05-30-2011	1000	< .120	< .04	< .014	< .060	< .06	< .06	< .06	< .12	< .04
06-06-2011	1000	< .120	< .04	< .014	< .060	< .06	< .06	< .06	< .12	< .04
06-13-2011	0930	< .120	< .04	< .014	< .060	< .06	< .06	< .06	< .12	< .04
06-20-2011	0900	< .120	< .04	< .014	< .060	< .06	< .06	< .06	< .12	< .04
06-27-2011	1000	< .120	< .04	< .014	< .060	< .06	< .06	< .06	< .12	< .04
07-11-2011	1100	< .120	< .04	< .014	< .060	< .06	< .06	< .06	< .12	< .04
07-25-2011	1000	< .120	< .04	< .014	< .060	< .06	< .06	< .06	< .12	< .04
08-22-2011	1000	< .120	--	< .014	--	--	--	--	--	--

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 9 of 21

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49309)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674)	Chloramben methyl ester, water, filtered, recoverable, µg/L (61188)	Chlorimuron-ethyl, water, filtered, recoverable, µg/L (50306)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)
10-27-2010	0900	< .060	--	< .060	--	--	< .06	< .004	< .010
12-08-2010	1000	< .060	--	< .060	--	--	< .06	< .004	< .010
01-10-2011	0930	< .060	--	< .060	--	--	< .06	< .004	< .010
02-09-2011	0900	< .060	--	< .060	--	--	< .06	< .004	< .010
02-22-2011	1000	< .060	--	< .060	--	--	< .06	< .004	< .010
03-08-2011	0900	< .060	--	< .060	--	--	< .06	< .004	< .010
03-21-2011	1000	E .006	--	< .060	--	--	< .06	< .004	< .010
04-06-2011	1030	< .060	--	< .060	--	--	< .06	< .004	< .010
04-20-2011	0900	< .060	--	< .060	--	--	< .06	< .004	< .010
05-09-2011	1100	< .060	--	< .060	--	--	< .06	< .004	< .010
05-16-2011	1200	< .060	--	< .060	--	--	< .06	< .004	< .010
05-23-2011	1000	< .060	--	< .060	--	--	< .06	< .004	< .010
05-30-2011	1000	< .060	< .040	< .060	< .10	< .080	< .06	< .004	< .010
06-06-2011	1000	< .060	< .040	< .060	< .10	< .080	< .06	< .004	< .010
06-13-2011	0930	< .060	< .040	< .060	< .10	< .080	< .06	< .004	< .010
06-20-2011	0900	< .060	< .040	< .060	< .10	< .080	< .06	< .004	< .010
06-27-2011	1000	< .060	< .040	< .060	< .10	< .080	< .06	< .004	< .010
07-11-2011	1100	< .060	< .040	< .060	< .10	< .080	< .06	< .004	< .010
07-25-2011	1000	< .060	< .040	< .060	< .10	< .080	< .06	< .004	< .010
08-22-2011	1000	< .060	--	< .060	--	--	< .06	< .004	< .010

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	cis-Propiconazole, water, filtered, recoverable, µg/L (79846)	Clopyralid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49305)	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cycloate, water, filtered, recoverable, µg/L (04031)	Cyfluthrin, water, filtered, recoverable, µg/L (61585)	Cyper-methrin, water, filtered, recoverable, µg/L (61586)	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49304)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfenyl-fipronil amide, water, filtered, recoverable, µg/L (62169)
10-27-2010	0900	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
12-08-2010	1000	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
01-10-2011	0930	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
02-09-2011	0900	< .008	--	< .022	--	< .016	< .020	--	.003	< .029
02-22-2011	1000	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
03-08-2011	0900	< .008	--	< .022	--	< .016	< .020	--	.003	< .029
03-21-2011	1000	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
04-06-2011	1030	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
04-20-2011	0900	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
05-09-2011	1100	< .008	--	< .022	--	< .016	< .020	--	.003	< .029
05-16-2011	1200	< .008	--	< .022	--	< .016	< .020	--	< .008	< .029
05-23-2011	1000	E .005	--	< .022	--	< .016	< .020	--	< .008	< .029
05-30-2011	1000	< .008	< .06	< .022	< .04	< .016	< .020	< .04	< .008	< .029
06-06-2011	1000	< .008	< .06	< .022	< .04	< .016	< .020	< .04	< .008	< .029
06-13-2011	0930	< .008	< .06	< .022	< .04	< .016	< .020	< .04	< .008	< .029
06-20-2011	0900	< .008	< .06	< .022	< .04	< .016	< .020	< .04	< .008	< .029
06-27-2011	1000	< .008	< .06	< .022	< .04	< .016	< .020	< .04	< .008	< .029
07-11-2011	1100	< .008	< .06	< .022	< .04	< .016	< .020	< .04	< .008	< .029
07-25-2011	1000	E .005	< .06	< .022	< .04	< .016	< .020	< .04	< .008	< .029
08-22-2011	1000	E .009	--	< .022	--	< .016	< .020	--	< .008	< .029

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Dichlor-								
		Desulfinyl- fipronil, water, filtered, recover- able, µg/L (62170)	Diazinon, water, filtered, recover- able, µg/L (39572)	Dicamba, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38442)	prop, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49302)	Dichlor- vos, water, filtered, recover- able, µg/L (38775)	Dicroto- phos, water, filtered, recover- able, µg/L (38454)	Dieldrin, water, filtered, recover- able, µg/L (39381)	Dimetho- ate, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82662)	Dinoseb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49301)
10-27-2010	0900	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
12-08-2010	1000	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
01-10-2011	0930	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
02-09-2011	0900	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
02-22-2011	1000	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
03-08-2011	0900	.007	< .006	--	--	< .04	< .08	< .008	< .006	--
03-21-2011	1000	.005	< .006	--	--	< .04	< .08	< .008	< .006	--
04-06-2011	1030	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
04-20-2011	0900	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
05-09-2011	1100	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
05-16-2011	1200	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
05-23-2011	1000	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--
05-30-2011	1000	< .012	< .006	< .04	< .04	< .04	< .08	< .008	< .006	< .04
06-06-2011	1000	< .012	< .006	< .04	< .04	< .04	< .08	< .008	< .006	< .04
06-13-2011	0930	< .012	< .006	< .04	< .04	< .04	< .08	< .008	< .006	< .04
06-20-2011	0900	< .012	< .006	< .04	< .04	< .04	< .08	< .008	< .006	< .04
06-27-2011	1000	< .012	< .006	< .04	< .04	< .04	< .08	< .008	< .006	< .04
07-11-2011	1100	< .012	< .006	< .04	< .04	< .04	< .08	< .008	< .006	< .04
07-25-2011	1000	< .012	< .006	< .04	< .04	< .04	< .08	< .008	< .006	< .04
08-22-2011	1000	< .012	< .006	--	--	< .04	< .08	< .008	< .006	--

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Di-phenamid, water, filtered, recoverable, µg/L (04033)	Disulfoton sulfone, water, filtered, recoverable, µg/L (61640)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82677)	Diuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49300)	Endosulfan sulfate, water, filtered, recoverable, µg/L (61590)	EPTC, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82668)	Ethion monoxon, water, filtered, recoverable, µg/L (61644)	Ethion, water, filtered, recoverable, µg/L (82346)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82672)
10-27-2010	0900	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
12-08-2010	1000	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
01-10-2011	0930	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
02-09-2011	0900	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
02-22-2011	1000	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
03-08-2011	0900	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
03-21-2011	1000	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
04-06-2011	1030	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
04-20-2011	0900	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
05-09-2011	1100	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
05-16-2011	1200	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
05-23-2011	1000	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016
05-30-2011	1000	< .04	< .01	< .04	.03	< .016	< .006	< .02	< .008	< .016
06-06-2011	1000	< .04	< .01	< .04	.04	< .016	< .006	< .02	< .008	< .016
06-13-2011	0930	< .04	< .01	< .04	.04	< .016	< .006	< .02	< .008	< .016
06-20-2011	0900	< .04	< .01	< .04	.04	< .016	< .006	< .02	< .008	< .016
06-27-2011	1000	< .04	< .01	< .04	.03	< .016	< .006	< .02	< .008	< .016
07-11-2011	1100	< .04	< .01	< .04	.03	< .016	< .006	< .02	< .008	< .016
07-25-2011	1000	< .04	< .01	< .04	.04	< .016	< .006	< .02	< .008	< .016
08-22-2011	1000	--	< .01	< .04	--	< .016	< .006	< .02	< .008	< .016

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Fenami-phos sulfone, water, filtered, recoverable, µg/L (61645)	Fenami-phos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenami-phos, water, filtered, recoverable, µg/L (61591)	Fenuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49297)	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Flumet-sulam, water, filtered, recoverable, µg/L (61694)	Fluometuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38811)
10-27-2010	0900	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
12-08-2010	1000	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
01-10-2011	0930	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
02-09-2011	0900	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
02-22-2011	1000	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
03-08-2011	0900	< .054	< .08	< .03	--	< .012	< .024	E .002	--	--
03-21-2011	1000	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
04-06-2011	1030	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
04-20-2011	0900	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
05-09-2011	1100	< .054	< .08	< .03	--	< .012	< .024	E .005	--	--
05-16-2011	1200	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
05-23-2011	1000	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--
05-30-2011	1000	< .054	< .08	< .03	< .06	< .012	< .024	< .018	< .06	< .04
06-06-2011	1000	< .054	< .08	< .03	< .06	< .012	< .024	< .018	< .06	.03
06-13-2011	0930	< .054	< .08	< .03	< .06	< .012	< .024	< .018	< .06	.04
06-20-2011	0900	< .054	< .08	< .03	< .06	< .012	< .024	< .018	< .06	.02
06-27-2011	1000	< .054	< .08	< .03	< .06	< .012	< .024	< .018	< .06	.03
07-11-2011	1100	< .054	< .08	< .03	< .06	< .012	< .024	< .018	< .06	.01
07-25-2011	1000	< .054	< .08	< .03	< .06	< .012	< .024	< .018	< .06	< .04
08-22-2011	1000	< .054	< .08	< .03	--	< .012	< .024	< .018	--	--

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexa-zinone, water, filtered, recoverable, µg/L (04025)	Imazaquin, water, filtered, recoverable, µg/L (50356)	Imazethapyr, water, filtered, recoverable, µg/L (50407)	Imidacloprid, water, filtered, recoverable, µg/L (61695)	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofen-phos, water, filtered, recoverable, µg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, µg/L (61595)	Linuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38478)
10-27-2010	0900	< .005	< .008	--	--	--	< .014	< .006	< .010	--
12-08-2010	1000	< .005	< .008	--	--	--	< .014	< .006	< .010	--
01-10-2011	0930	< .005	< .008	--	--	--	< .014	< .006	< .010	--
02-09-2011	0900	< .005	< .009	--	--	--	< .014	< .006	< .010	--
02-22-2011	1000	< .005	< .009	--	--	--	< .014	< .006	< .010	--
03-08-2011	0900	< .005	< .008	--	--	--	< .014	< .006	< .010	--
03-21-2011	1000	< .005	< .008	--	--	--	< .014	< .006	< .010	--
04-06-2011	1030	< .005	< .008	--	--	--	< .014	< .006	< .010	--
04-20-2011	0900	< .005	< .008	--	--	--	< .014	< .006	< .010	--
05-09-2011	1100	< .005	< .008	--	--	--	< .014	< .006	< .010	--
05-16-2011	1200	< .005	< .008	--	--	--	< .014	< .006	< .010	--
05-23-2011	1000	< .005	< .008	--	--	--	< .014	< .006	< .010	--
05-30-2011	1000	< .005	< .008	< .06	< .06	< .060	< .014	< .006	< .010	< .04
06-06-2011	1000	< .005	< .008	< .06	< .06	< .060	< .014	< .006	< .010	< .04
06-13-2011	0930	< .005	< .008	E .01	< .06	< .060	< .014	< .006	< .010	< .04
06-20-2011	0900	< .005	< .008	< .06	< .06	< .060	< .014	< .006	< .010	< .04
06-27-2011	1000	< .005	< .008	< .06	< .06	< .060	< .014	< .006	< .010	< .04
07-11-2011	1100	< .005	< .008	< .06	< .06	< .060	< .014	< .006	< .010	< .04
07-25-2011	1000	< .005	< .008	< .06	< .06	< .060	< .014	< .006	< .010	< .04
08-22-2011	1000	< .005	< .008	--	--	--	< .014	< .006	< .010	--

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)	MCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38482)	MCPB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38487)	Metalaxyl, water, filtered, recoverable, µg/L (50359)	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methiocarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38501)	Methomyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49296)
10-27-2010	0900	< .022	< .016	--	--	--	< .014	< .012	--	--
12-08-2010	1000	< .022	< .016	--	--	--	< .014	< .012	--	--
01-10-2011	0930	< .022	< .016	--	--	--	< .014	< .012	--	--
02-09-2011	0900	< .022	< .016	--	--	--	< .014	< .012	--	--
02-22-2011	1000	< .022	< .016	--	--	--	< .014	< .012	--	--
03-08-2011	0900	< .022	< .016	--	--	--	< .014	< .012	--	--
03-21-2011	1000	< .022	< .016	--	--	--	< .014	< .012	--	--
04-06-2011	1030	< .022	< .016	--	--	--	< .014	< .012	--	--
04-20-2011	0900	< .022	< .016	--	--	--	< .014	< .012	--	--
05-09-2011	1100	< .022	< .016	--	--	--	< .014	< .012	--	--
05-16-2011	1200	< .022	< .016	--	--	--	< .014	< .012	--	--
05-23-2011	1000	< .022	< .016	--	--	--	< .014	< .012	--	--
05-30-2011	1000	< .022	< .016	< .04	< .20	< .04	< .014	< .012	< .040	< .120
06-06-2011	1000	< .022	< .016	< .04	< .20	< .04	< .014	< .012	< .040	< .120
06-13-2011	0930	< .022	< .016	< .04	< .20	< .04	.010	< .012	< .040	< .120
06-20-2011	0900	< .022	< .016	< .04	< .20	.01	.013	< .012	< .040	< .120
06-27-2011	1000	< .022	< .016	< .04	< .20	.01	.013	< .012	< .040	< .120
07-11-2011	1100	< .022	< .016	< .04	< .20	.01	.013	< .012	< .040	< .120
07-25-2011	1000	< .022	< .016	< .04	< .20	< .04	.010	< .012	< .040	< .120
08-22-2011	1000	< .022	< .016	--	--	--	.006	< .012	--	--



## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Methyl paraoxon, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Metsulfuron-methyl, water, filtered, recoverable, µg/L (61697)	Molinate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82671)	Myclobutanol, water, filtered, recoverable, µg/L (61599)	N-(4-Chlorophenyl)-N'-methyl-urea, water, filtered, recoverable, µg/L (61692)	Neburon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49294)
10-27-2010	0900	<.01	<.008	.044	<.012	--	<.004	<.010	--	--
12-08-2010	1000	<.01	<.008	.051	<.012	--	<.004	<.010	--	--
01-10-2011	0930	<.01	<.008	.048	.007	--	<.004	<.010	--	--
02-09-2011	0900	<.01	<.008	.042	<.012	--	<.004	<.010	--	--
02-22-2011	1000	<.01	<.008	.033	<.012	--	<.004	<.010	--	--
03-08-2011	0900	<.01	<.008	.043	<.012	--	<.004	<.010	--	--
03-21-2011	1000	<.01	<.008	.036	<.012	--	<.004	<.010	--	--
04-06-2011	1030	<.01	<.008	.031	<.012	--	<.004	<.010	--	--
04-20-2011	0900	<.01	<.008	.073	.007	--	<.004	<.010	--	--
05-09-2011	1100	<.01	<.008	.170	.011	--	<.004	<.010	--	--
05-16-2011	1200	<.01	<.008	.169	.009	--	<.004	<.010	--	--
05-23-2011	1000	<.01	<.008	.147	<.012	--	<.004	<.010	--	--
05-30-2011	1000	<.01	<.008	.137	<.012	<.14	<.004	<.010	<.06	<.02
06-06-2011	1000	<.01	<.008	.243	<.012	<.14	<.004	<.010	<.06	<.02
06-13-2011	0930	<.01	<.008	.778	.018	<.14	<.004	<.010	<.06	<.02
06-20-2011	0900	<.01	<.008	.692	.017	<.14	<.004	<.010	<.06	<.02
06-27-2011	1000	<.01	<.008	.938	.020	<.14	<.004	<.010	<.06	<.02
07-11-2011	1100	<.01	<.008	.807	.015	<.14	<.004	<.010	<.06	<.02
07-25-2011	1000	<.01	<.008	.509	.015	<.14	<.004	<.010	<.06	<.02
08-22-2011	1000	<.01	<.008	.122	<.012	--	<.004	<.010	--	--

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Nico-sulfuron, water, filtered, recoverable, µg/L (50364)	Nor-flurazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49293)	Oryzalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49292)	Oxamyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38866)	Oxy-fluorfen, water, filtered, recoverable, µg/L (61600)	Pendi-methalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)
10-27-2010	0900	--	--	--	--	< .006	< .012	< .03	< .020	< .05
12-08-2010	1000	--	--	--	--	< .006	< .012	< .03	< .020	< .05
01-10-2011	0930	--	--	--	--	< .006	< .012	< .03	< .020	< .05
02-09-2011	0900	--	--	--	--	< .006	< .012	< .03	< .020	< .05
02-22-2011	1000	--	--	--	--	< .006	< .012	< .03	< .020	< .05
03-08-2011	0900	--	--	--	--	< .006	< .012	< .03	< .020	< .05
03-21-2011	1000	--	--	--	--	< .006	< .012	< .03	< .020	< .05
04-06-2011	1030	--	--	--	--	< .006	< .012	< .03	< .020	< .05
04-20-2011	0900	--	--	--	--	< .006	< .012	< .03	< .020	< .05
05-09-2011	1100	--	--	--	--	< .006	< .012	< .03	< .020	< .05
05-16-2011	1200	--	--	--	--	< .006	< .012	< .03	< .020	< .05
05-23-2011	1000	--	--	--	--	< .006	< .012	< .03	< .020	< .05
05-30-2011	1000	< .10	< .04	< .04	< .12	< .006	< .012	< .03	< .020	< .05
06-06-2011	1000	< .10	< .04	< .04	< .12	< .006	< .012	< .03	< .020	< .05
06-13-2011	0930	< .10	< .04	< .04	< .12	< .006	< .012	< .03	< .020	< .05
06-20-2011	0900	< .10	< .04	< .04	< .12	< .006	< .012	< .03	< .020	< .05
06-27-2011	1000	< .10	< .04	< .04	< .12	< .006	< .012	< .03	< .020	< .05
07-11-2011	1100	< .10	< .04	< .04	< .12	< .006	< .012	< .03	< .020	< .05
07-25-2011	1000	< .10	< .04	< .04	< .12	< .006	< .012	< .03	< .020	< .05
08-22-2011	1000	--	--	--	--	< .006	< .012	< .03	< .020	< .05

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Phosmet, water, filtered, recoverable, µg/L (61601)	Picloram, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49291)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82685)	Propham, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49236)	Propiconazole, water, filtered, recoverable, µg/L (50471)	Propoxur, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38538)
10-27-2010	0900	< .014	--	.009	.008	< .010	< .02	--	--	--
12-08-2010	1000	< .014	--	.012	.008	< .010	< .02	--	--	--
01-10-2011	0930	< .014	--	.008	< .007	< .010	< .02	--	--	--
02-09-2011	0900	< .014	--	.007	< .006	< .010	< .02	--	--	--
02-22-2011	1000	< .014	--	.008	< .006	< .010	< .02	--	--	--
03-08-2011	0900	< .014	--	.010	< .006	< .010	< .02	--	--	--
03-21-2011	1000	< .014	--	.008	< .006	< .010	< .02	--	--	--
04-06-2011	1030	< .014	--	.007	< .006	< .010	< .02	--	--	--
04-20-2011	0900	< .014	--	.007	.005	< .010	< .02	--	--	--
05-09-2011	1100	< .014	--	.009	.007	< .010	< .02	--	--	--
05-16-2011	1200	< .140	--	.007	.006	< .010	< .02	--	--	--
05-23-2011	1000	< .014	--	.008	.007	< .010	< .02	--	--	--
05-30-2011	1000	< .014	< .12	.005	.009	< .010	< .02	< .040	< .04	< .060
06-06-2011	1000	--	< .12	.007	.035	< .010	< .02	< .040	< .04	< .060
06-13-2011	0930	--	< .12	.008	.021	< .010	< .02	< .040	< .04	< .060
06-20-2011	0900	--	< .12	.011	.018	< .010	< .02	< .040	< .04	< .060
06-27-2011	1000	< .140	< .12	.010	.026	< .010	< .02	< .040	< .04	< .060
07-11-2011	1100	< .140	< .12	.009	.011	< .010	< .02	< .040	< .04	< .060
07-25-2011	1000	< .140	< .12	.012	.017	< .010	< .02	< .040	< .04	< .060
08-22-2011	1000	< .140	--	.006	.008	< .010	< .02	--	--	--

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Propyz- amide, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82676)	Siduron, water, filtered, recover- able, µg/L (38548)	Simazine, water, filtered, recover- able, µg/L (04035)	Sulfo- meturon- methyl, water, filtered, recover- able, µg/L (50337)	Tebu- thiuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82670)	Tefluthrin, water, filtered, recover- able, µg/L (61606)	Terbacil, water, filtered, recover- able, µg/L (04032)	Terbufos oxygen analog sulfone, water, filtered, recover- able, µg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82675)
10-27-2010	0900	< .004	--	.013	--	< .03	< .010	--	< .04	< .02
12-08-2010	1000	< .004	--	.114	--	< .03	< .010	--	< .04	< .02
01-10-2011	0930	< .004	--	.125	--	E .01	< .010	--	< .04	< .02
02-09-2011	0900	< .004	--	.051	--	< .03	< .010	--	< .04	< .02
02-22-2011	1000	< .004	--	.056	--	< .03	< .010	--	< .04	< .02
03-08-2011	0900	< .004	--	.183	--	< .03	< .010	--	< .04	< .02
03-21-2011	1000	< .004	--	.208	--	< .03	< .010	--	< .04	< .02
04-06-2011	1030	< .004	--	.120	--	E .01	< .010	--	< .04	< .02
04-20-2011	0900	< .004	--	.054	--	E .01	< .010	--	< .04	< .02
05-09-2011	1100	< .004	--	.111	--	< .03	< .010	--	< .04	< .02
05-16-2011	1200	< .004	--	E .086	--	< .03	< .010	--	< .04	< .02
05-23-2011	1000	< .004	--	.076	--	< .03	< .010	--	< .04	< .02
05-30-2011	1000	< .004	< .04	.055	< .060	< .03	< .010	< .040	< .04	< .02
06-06-2011	1000	< .004	< .04	.046	< .060	< .03	< .010	< .040	< .04	< .02
06-13-2011	0930	< .004	< .04	.026	< .060	< .03	< .010	< .040	< .04	< .02
06-20-2011	0900	< .004	< .04	.031	< .060	< .03	< .010	< .040	< .04	< .02
06-27-2011	1000	< .004	< .04	.023	< .060	< .03	< .010	< .040	< .04	< .02
07-11-2011	1100	< .004	< .04	.025	< .060	< .03	< .010	< .040	< .05	< .02
07-25-2011	1000	< .004	< .04	.025	< .060	E .01	< .010	< .040	< .04	< .02
08-22-2011	1000	< .004	--	.012	--	E .01	< .010	--	< .04	< .02

## 07373420 Mississippi River near St. Francisville, LA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; cm, centimeter; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Terbutyl- azine, water, filtered, recover- able, µg/L (04022)	Thioben- carb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82681)	trans- Propicon- azole, water, filtered, recover- able, µg/L (79847)	Tribuphos, water, filtered, recover- able, µg/L (61610)	Triclopyr, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49235)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82661)	2,4-D plus 2,4-D methyl ester, sum on a molar basis, microgram s per liter as 2,4-D (66496)	Caffeine, water, filtered, recover- able, µg/L (50305)	Organic carbon, suspended sediment, total, mg/L (00689)
10-27-2010	0900	.01	< .016	< .01	< .018	--	< .018	--	--	3.37
12-08-2010	1000	.01	< .016	< .01	< .018	--	< .018	--	--	2.87
01-10-2011	0930	< .01	< .016	< .01	< .018	--	< .018	--	--	2.34
02-09-2011	0900	< .01	< .016	< .01	< .018	--	< .018	--	--	2.00
02-22-2011	1000	< .01	< .016	< .01	< .018	--	< .018	--	--	2.41
03-08-2011	0900	.01	< .016	< .02	< .018	--	< .018	--	--	11.8
03-21-2011	1000	< .01	< .016	< .01	< .018	--	< .018	--	--	2.85
04-06-2011	1030	< .01	< .016	< .01	< .018	--	< .018	--	--	1.41
04-20-2011	0900	< .01	< .016	< .01	< .018	--	< .018	--	--	2.75
05-09-2011	1100	< .01	< .016	< .01	< .018	--	< .018	--	--	1.62
05-16-2011	1200	< .01	< .016	< .01	< .018	--	.005	--	--	1.59
05-23-2011	1000	< .01	< .016	E .01	< .018	--	.004	--	--	2.85
05-30-2011	1000	< .01	< .016	E .01	< .018	< .08	< .018	.03	.024	1.09
06-06-2011	1000	< .01	< .016	< .01	< .018	< .08	< .018	.03	< .080	1.20
06-13-2011	0930	< .01	< .016	< .01	< .018	< .08	< .018	.02	< .080	1.26
06-20-2011	0900	< .01	< .016	< .01	< .018	< .08	< .018	.02	< .080	1.96
06-27-2011	1000	< .01	< .016	< .01	< .018	< .08	< .018	< .06	< .080	3.39
07-11-2011	1100	< .01	< .016	< .01	< .018	< .08	< .018	< .06	< .080	3.56
07-25-2011	1000	< .01	< .016	E .01	< .018	< .08	< .018	< .06	< .080	2.66
08-22-2011	1000	M	< .016	E .01	< .018	--	< .018	--	--	2.10

**07373420 Mississippi River near St. Francisville, LA—Continued**

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2010 TO  
SEPTEMBER 2011**

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[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen;  
NTRU, nephelometric turbidity ratio  
unit; P, phosphorus; SiO<sub>2</sub>, silicon  
dioxide; cm, centimeter; mg/L,  
milligrams per liter; nm, nanometers;  
°C, degrees Celsius; µS/cm,  
microsiemens per centimeter; µg/L,  
micrograms per liter; --, no data; <, less  
than; E, estimated; M, presence verified  
but not quantified]

<b>Date</b>	<b>Sample start time</b>	<b>Organic carbon, water, filtered, mg/L (00681)</b>
10-27-2010	0900	5.7
12-08-2010	1000	4.1
01-10-2011	0930	3.5
02-09-2011	0900	3.4
02-22-2011	1000	3.5
03-08-2011	0900	3.6
03-21-2011	1000	3.6
04-06-2011	1030	3.5
04-20-2011	0900	3.4
05-09-2011	1100	4.4
05-16-2011	1200	4.2
05-23-2011	1000	3.8
05-30-2011	1000	4.5
06-06-2011	1000	4.0
06-13-2011	0930	4.3
06-20-2011	0900	4.3
06-27-2011	1000	4.2
07-11-2011	1100	4.0
07-25-2011	1000	4.0
08-22-2011	1000	3.9

## 07373420 Mississippi River near St. Francisville, LA—Continued

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; --, no data; E, estimated]

Date	Sample start time	Discharge, instanta- neous, ft <sup>3</sup> /s (00061)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concen- tration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
10-27-2010	0900	282,000	99	83	63,200
12-08-2010	1000	353,000	75	176	168,000
01-10-2011	0930	267,000	89	124	89,400
02-09-2011	0900	290,000	64	78	61,100
02-22-2011	1000	299,000	84	71	57,300
03-08-2011	0900	668,000	81	569	1,030,000
03-21-2011	1000	893,000	73	150	362,000
04-06-2011	1030	938,000	50	110	279,000
04-20-2011	0900	733,000	75	145	287,000
05-09-2011	1100	E	74	74	E 240,000
		1,200,000			
05-16-2011	1200	E	64	70	E 227,000
		1,200,000			
05-23-2011	1000	E	59	70	E 266,000
		1,410,000			
05-30-2011	1000	E	--	61	E 221,000
		1,340,000			
06-06-2011	1000	E	64	46	E 161,000
		1,300,000			
06-13-2011	0930	E	66	72	E 196,000
		1,010,000			
06-20-2011	0900	E 925,000	73	91	E 227,000
06-27-2011	1000	704,000	83	172	327,000
07-11-2011	1100	674,000	80	179	326,000
07-25-2011	1000	551,000	88	149	222,000
08-22-2011	1000	412,000	97	95	106,000