Water-Data Report 2013

07374000 Mississippi River at Baton Rouge, LA

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

LOCATION.--Lat 30°26'44.4", long 91°11'29.6" referenced to North American Datum of 1983, in sec.45, T.7 S., R.1 W., West Baton Rouge Parish, LA, Hydrologic Unit 08070100, located on a city Pier, approximately 1.5 mi upstream of the Port Allen Locks, between the I-10 and Hwy. 190 bridges over the river.

DRAINAGE AREA.--1125810. mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 2004 to current year. Miscellaneous measurements made at site prior to 1976.

GAGE.--Water-stage recorder and water-quality monitor. Datum of gage is NAVD 88.

REMARKS.--Records are good. Discharge affected by tide at very low stages. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,436,000 ft^3/s, May 18-19, 2011; maximum gage height, 45.48 ft, May 18-19, 2011; minimum recorded discharge, 132,800 ft^3/s, Oct. 31, 2012; minimum recorded gage height, 3.43 ft, Oct. 31, 2012.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,003,000 ft^3/s, May 25, gage height, 35.97 ft; minimum discharge, 132,800 ft^3/s, Oct. 31, gage height, 3.43 ft.

07374000 Mississippi River at Baton Rouge, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[$\times 10^6$, million]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	180,800	146,800	169,500	374,900	708,200	560,600	715,700	828,200	946,900	792,900	522,200	324,600
2	178,200	156,600	165,100	401,800	697,400	550,200	707,400	844,600	928,400	766,500	500,500	313,600
3	191,100	160,800	161,800	425,900	679,400	537,500	703,600	861,800	908,700	736,800	475,000	304,000
4	201,200	163,600	164,900	437,300	658,700	524,200	689,400	872,500	885,500	708,400	451,900	295,300
5	205,100	166,100	162,200	438,900	641,600	507,000	668,800	885,500	861,500	679,300	431,800	282,800
6	207,400	165,800	155,000	442,000	629,000	491,200	654,400	894,300	842,700	661,400	412,100	274,900
7	204,600	162,000	151,400	442,700	623,300	481,100	640,000	904,000	832,800	642,900	392,600	266,800
8	200,900	162,200	151,400	448,200	618,300	477,800	622,500	911,000	823,500	624,200	375,900	264,600
9	194,100	164,100	154,300	457,600	616,800	477,200	604,500	917,000	820,300	610,600	357,900	264,000
10	184,300	178,100	156,800	468,300	621,200	480,800	585,700	934,200	822,400	602,400	341,500	256,200
11	175,600	198,100	154,900	508,600	635,800	492,300	563,300	946,000	825,300	598,200	332,500	258,700
12	169,000	217,300	159,900	511,800	661,200	501,300	544,700	953,000	834,100	601,900	323,300	256,800
13	163,600	223,600	158,300	499,000	676,000	504,600	538,700	959,100	842,900	610,900	313,800	250,300
14	162,300	229,100	162,800	495,900	691,100	504,100	550,500	963,000	851,300	625,000	316,200	245,000
15	160,600	223,300	170,500	505,200	703,000	504,900	558,700	966,500	859,300	636,900	328,400	234,300
16	164,900	218,000	180,700	520,700	707,000	508,100	560,900	967,900	867,800	644,200	343,300	222,200
17	171,800	211,400	198,100	536,800	701,900	518,100	561,400	969,000	875,300	651,100	369,800	217,300
18	173,800	203,300	215,500	549,600	688,800	538,300	563,200	970,300	878,200	658,500	398,000	214,500
19	168,800	193,400	239,600	567,500	672,800	563,300	571,100	971,300	879,900	667,900	426,700	216,000
20	162,300	183,100	266,200	590,600	657,800	584,900	585,300	974,900	879,500	676,800	451,300	210,700
21	160,000	176,800	278,300	614,900	645,500	608,200	604,900	978,300	876,300	683,700	464,700	218,600
22	159,300	174,200	288,700	636,300	636,800	626,600	627,100	991,300	871,200	688,800	470,500	221,700
23	163,100	173,600	300,500	651,700	632,300	641,400	647,900	998,400	866,200	691,300	473,400	221,300
24	162,700	172,800	308,800	663,100	620,100	655,400	668,700	1,000,000	859,000	688,400	470,600	216,800
25	163,800	174,700	312,000	673,100	613,500	665,600	692,100	1,000,000	853,800	683,800	459,000	216,000
26	165,500	180,600	318,400	684,500	602,700	677,400	720,700	998,900	848,300	675,900	441,100	216,600
27	162,400	185,900	326,600	694,200	585,100	694,300	746,900	996,300	843,500	664,000	421,000	216,100
28	156,800	182,300	334,500	703,500	571,400	708,800	770,100	991,400	835,300	648,100	397,800	213,800
29	150,800	178,200	352,600	710,300	---	718,900	790,400	985,900	826,500	621,300	375,200	212,600
30	147,100	174,300	355,000	716,600	---	721,000	809,300	977,100	811,700	588,100	354,900	207,700
31	141,000	---	362,900	712,800	---	719,700	---	963,500	---	553,500	337,700	---
Total	5,352,900	5,500,100	7,037,200	17.08×10^6	18.19×10^6	17.74×10^6	19.26×10^6	29.37×10^6	25.75×10^6	20.38×10^6	12.53×10^6	7,333,800
Mean	172,700	183,300	227,000	551,100	649,900	572,400	642,300	947,600	858,600	657,500	404,200	244,500
Max	207,400	229,100	362,900	716,600	708,200	721,000	809,300	1,000,000	946,900	792,900	522,200	324,600
Min	141,000	146,800	151,400	374,900	571,400	477,200	538,700	828,200	811,700	553,500	313,800	207,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	302,100	350,200	455,200	567,800	626,400	627,000	705,800	756,200	634,000	489,600	326,200	287,800
Max	600,300	873,000	815,900	864,300	937,400	862,800	1,247,000	1,293,000	1,065,000	703,600	492,100	448,800
(WY)	(2010)	(2010)	(2005)	(2005)	(2010)	(2008)	(2008)	(2011)	(2011)	(2008)	(2010)	(2008)
Min	172,700	183,300	226,700	291,200	312,200	428,700	429,200	425,000	244,100	177,400	152,300	162,000
(WY)	(2013)	(2013)	(2006)	(2006)	(2011)	(2006)	(2006)	(2012)	(2012)	(2012)	(2012)	(2012)

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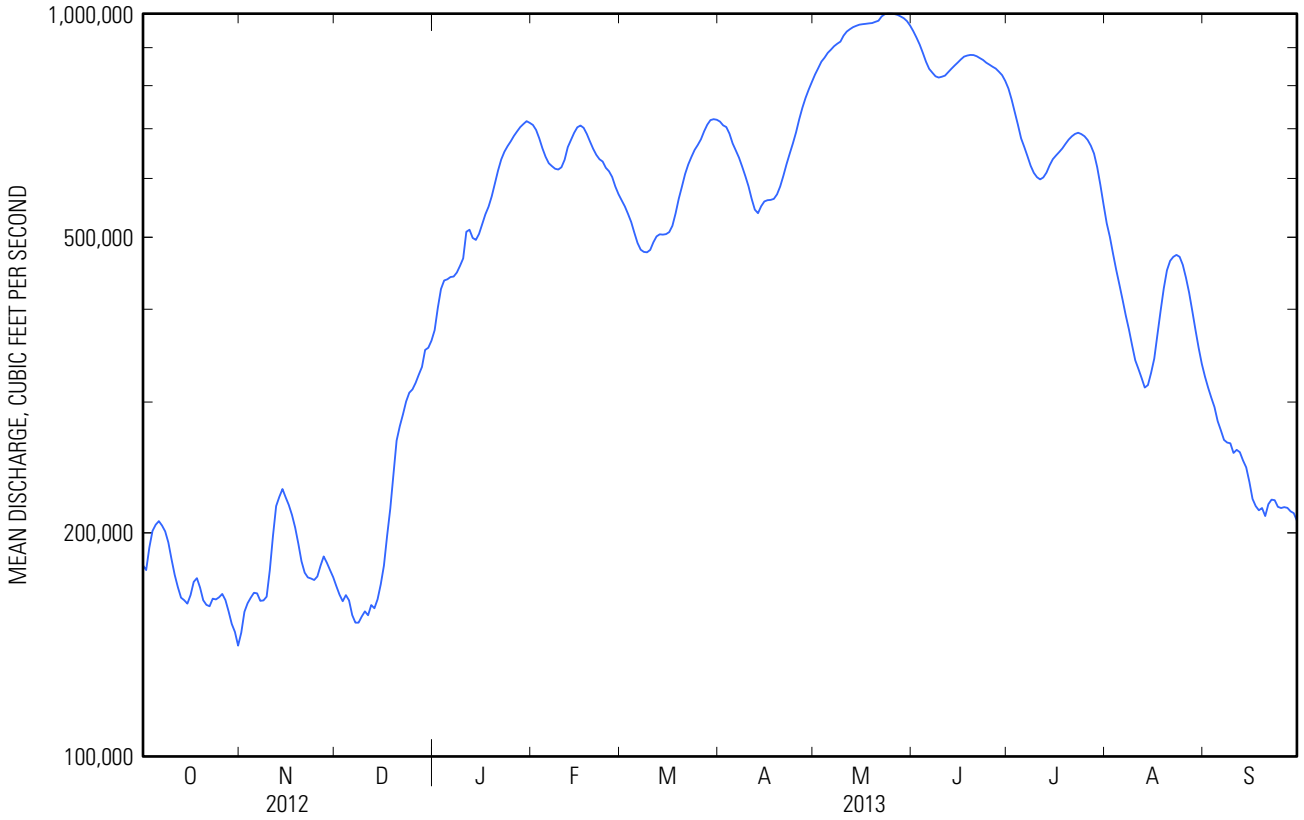
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2004 - 2013	
Annual total	131,048,600		185,565,300			
Annual mean	358,100		508,400		510,600	
Highest annual mean					677,300	2010
Lowest annual mean					299,400	2006
Highest daily mean	826,300	Mar 30	1,000,000	May 24	1,429,000	May 18, 2011
Lowest daily mean	141,000	Oct 31	141,000	Oct 31	141,000	Oct 31, 2012
Annual seven-day minimum	146,800	Jul 31	151,400	Oct 28	146,800	Jul 31, 2012
Maximum peak flow			1,003,000	May 25	1,436,000	May 18, 2011
Maximum peak stage			35.97	May 25	45.48	May 18, 2011
Instantaneous low flow			132,800	Oct 31	132,800	Oct 31, 2012
10 percent exceeds	738,500		873,600		881,000	
50 percent exceeds	236,000		524,200		457,600	
90 percent exceeds	155,000		165,700		205,000	



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.40	4.02	4.94	13.95	28.85	22.57	29.05	31.84	34.64	30.98	20.78	11.63
2	5.30	4.42	4.77	15.20	28.55	22.09	28.82	32.23	34.21	30.34	19.77	11.13
3	5.82	4.59	4.63	16.31	28.00	21.50	28.72	32.64	33.75	29.60	18.59	10.69
4	6.22	4.71	4.76	16.84	27.15	20.88	28.31	32.90	33.20	28.85	17.52	10.29
5	6.38	4.81	4.65	16.92	26.35	20.07	27.60	33.21	32.64	28.00	16.59	9.71
6	6.47	4.79	4.35	17.06	25.76	19.34	26.95	33.41	32.19	27.27	15.67	9.35
7	6.35	4.64	4.21	17.09	25.49	18.87	26.27	33.64	31.95	26.41	14.77	8.97
8	6.21	4.65	4.20	17.34	25.26	18.72	25.46	33.80	31.73	25.54	14.00	8.87
9	5.94	4.73	4.32	17.78	25.19	18.69	24.62	33.94	31.65	24.90	13.17	8.85
10	5.54	5.30	4.43	18.28	25.39	18.86	23.74	34.35	31.70	24.52	12.41	8.49
11	5.19	6.10	4.35	20.15	26.08	19.39	22.69	34.62	31.77	24.32	12.00	8.61
12	4.92	6.86	4.55	20.30	27.26	19.81	21.83	34.79	31.98	24.49	11.57	8.52
13	4.71	7.10	4.49	19.70	27.88	19.96	21.55	34.93	32.19	24.91	11.14	8.22
14	4.65	7.32	4.67	19.56	28.37	19.94	22.10	35.03	32.39	25.57	11.24	7.98
15	4.58	7.09	4.99	19.99	28.70	19.98	22.48	35.11	32.58	26.13	11.81	7.52
16	4.76	6.88	5.40	20.71	28.81	20.12	22.58	35.14	32.79	26.47	12.49	7.05
17	5.04	6.62	6.09	21.46	28.67	20.59	22.61	35.17	32.96	26.79	13.72	6.86
18	5.12	6.30	6.78	22.06	28.30	21.53	22.69	35.20	33.03	27.14	15.02	6.74
19	4.92	5.91	7.75	22.89	27.76	22.70	23.06	35.22	33.07	27.57	16.35	6.80
20	4.65	5.50	8.95	23.97	27.11	23.70	23.72	35.31	33.06	27.91	17.49	6.59
21	4.56	5.24	9.51	25.10	26.53	24.79	24.64	35.39	32.99	28.15	18.11	6.91
22	4.53	5.14	9.98	26.10	26.12	25.65	25.67	35.70	32.87	28.31	18.38	7.03
23	4.68	5.11	10.52	26.82	25.92	26.34	26.64	35.87	32.75	28.38	18.51	7.01
24	4.67	5.08	10.90	27.35	25.35	26.99	27.59	35.91	32.58	28.30	18.38	6.84
25	4.71	5.16	11.05	27.78	25.03	27.47	28.39	35.92	32.45	28.15	17.84	6.80
26	4.78	5.39	11.35	28.17	24.53	27.93	29.18	35.88	32.32	27.88	17.02	6.83
27	4.66	5.61	11.72	28.46	23.71	28.46	29.85	35.82	32.21	27.40	16.09	6.81
28	4.43	5.46	12.09	28.72	23.07	28.86	30.42	35.70	32.01	26.65	15.01	6.72
29	4.18	5.30	12.93	28.90	---	29.13	30.92	35.57	31.80	25.40	13.96	6.67
30	4.03	5.14	13.03	29.07	---	29.19	31.38	35.36	31.44	23.85	13.03	6.48
31	3.77	---	13.40	28.97	---	29.15	---	35.04	---	22.24	12.24	---
Max	6.47	7.32	13.40	29.07	28.85	29.19	31.38	35.92	34.64	30.98	20.78	11.63
Min	3.77	4.02	4.20	13.95	23.07	18.69	21.55	31.84	31.44	22.24	11.14	6.48

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-76, 1988, 1991-current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 2004 to current year.
WATER TEMPERATURE: October 2004 to current year.
PH: October 2004 to current year.
DISSOLVED OXYGEN: October 2004 to current year.
TURBIDITY: 2012

INSTRUMENTATION.--Water-quality monitor recording temperature, specific conductance, pH, and dissolved oxygen.

REMARKS.--
SPECIFIC CONDUCTANCE: Record fair. WATER TEMPERATURE: Record fair. PH: Record fair. DISSOLVED OXYGEN: Record fair.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 621 microsiemens/cm, Oct. 24, 2011; minimum, 251 microsiemens/cm, Feb. 2, 2005, Jan. 26 and Mar. 2, 2013.
WATER TEMPERATURE: Maximum, 32.7°C, Aug. 03, 2012; minimum, 2.3°C, Jan. 16, 2010.
PH: Maximum, 8.6 std. units, Mar. 14, 15, 2009; minimum, 7.0 std. units, Mar. 20, 2009.
DISSOLVED OXYGEN: Maximum, 13.4 mg/L, February 14, 15, 16, 2011; minimum, 5.2 mg/L, Aug. 22, 23, 24, 25, 2006.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 586 microsiemens/cm, Nov. 18; minimum, 251 microsiemens/cm, Jan. 26, Mar. 2 [THE FOLLOWING FLAG(S) APPEARED IN THE ADAPS END-OF-YEAR SUMMARY RETRIEVAL: #, value is write-protected with a "1"].
WATER TEMPERATURE: Maximum, 30.2°C, Aug. 4, Sept. 7; minimum, 6.7°C, Jan. 7, 8.
pH: Maximum, 8.3 standard units, Nov. 30, Dec. 1, 2, 3, Apr. 28; minimum, 7.6 standard units, on many days.
DISSOLVED OXYGEN: Maximum, 11.3 mg/L, Jan. 8, 9, 10; minimum, 5.7 mg/L, on several days.

07374000 Mississippi River at Baton Rouge, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	542	489	506	512	479	491	546	502	526	358	349	353
2	542	452	492	522	475	493	536	505	511	357	345	353
3	490	463	479	490	461	476	517	505	512	353	331	343
4	506	461	479	477	455	466	537	513	525	332	316	325
5	488	449	460	473	456	463	537	510	522	342	319	330
6	467	443	452	485	453	470	520	496	509	321	315	317
7	448	414	432	490	462	471	562	492	523	318	312	315
8	426	407	417	486	465	476	522	481	493	327	312	320
9	430	410	419	522	469	485	499	480	489	313	290	298
10	483	421	443	509	462	474	500	415	474	304	290	296
11	477	428	450	503	453	463	488	472	480	297	275	283
12	492	435	454	505	463	482	501	472	484	288	262	272
13	501	467	481	471	461	466	494	475	484	269	264	267
14	498	456	472	478	428	462	528	489	508	278	267	273
15	490	463	475	495	456	474	497	478	487	282	278	279
16	477	462	468	524	495	511	486	458	474	282	274	277
17	482	470	475	565	518	543	509	453	481	286	268	273
18	513	476	488	586	529	558	493	457	468	283	263	272
19	507	476	492	542	521	527	478	465	470	275	263	269
20	492	462	478	528	515	521	477	442	459	273	262	268
21	508	462	482	525	511	517	474	440	455	269	260	262
22	476	463	469	525	508	516	463	375	432	276	262	269
23	480	459	466	558	504	520	474	412	424	277	262	269
24	507	460	476	556	502	521	418	406	410	269	257	264
25	538	466	498	511	491	499	409	391	398	264	254	258
26	485	467	472	511	492	499	421	385	400	257	251	254
27	486	471	477	511	494	503	392	370	384	255	252	253
28	507	474	485	536	495	514	370	342	356	260	253	257
29	503	465	487	556	493	505	352	326	341	263	257	258
30	465	443	451	510	499	505	353	335	347	266	261	263
31	484	444	459	---	---	---	355	335	346	272	264	267
Month	542	407	469	586	428	496	562	326	457	358	251	286

07374000 Mississippi River at Baton Rouge, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	279	269	274	292	274	287	302	291	295	309	299	306
2	276	270	273	289	251	277	301	292	296	303	291	297
3	271	264	268	287	253	281	307	293	297	295	289	292
4	264	259	261	290	283	286	305	293	300	295	288	291
5	262	255	257	293	283	287	299	294	297	295	287	290
6	269	254	257	286	284	284	307	296	301	290	284	286
7	260	255	257	289	286	288	312	301	304	287	282	284
8	258	254	256	298	288	291	314	304	307	285	281	283
9	265	258	261	299	293	296	318	305	310	285	281	283
10	278	264	269	302	299	300	313	309	312	284	276	280
11	275	270	272	303	298	300	331	310	318	283	277	279
12	275	265	267	312	298	306	323	310	316	284	279	281
13	265	258	261	314	305	310	326	316	319	283	272	280
14	266	260	262	316	305	308	323	306	316	286	277	281
15	272	265	268	310	304	307	323	304	313	284	278	281
16	282	272	277	311	307	309	322	317	319	280	274	278
17	278	269	272	313	309	311	329	300	319	280	275	278
18	270	267	269	322	312	318	327	321	324	281	277	280
19	274	262	266	326	318	323	323	316	319	284	279	281
20	265	262	263	338	326	332	325	316	321	283	279	281
21	270	257	266	361	338	349	334	325	329	283	279	281
22	277	270	274	368	361	365	333	329	331	287	273	282
23	295	277	287	361	331	346	334	320	330	285	267	282
24	286	281	283	331	317	323	327	311	318	288	279	284
25	292	285	288	317	311	314	311	299	304	289	283	285
26	296	273	291	312	306	309	308	299	301	290	286	287
27	301	295	297	307	301	304	312	303	307	291	288	290
28	295	291	293	309	297	300	313	303	309	294	291	293
29	---	---	---	298	295	296	314	306	311	295	293	294
30	---	---	---	298	295	296	317	307	313	297	294	295
31	---	---	---	300	294	296	---	---	---	306	296	300
Month	301	254	271	368	251	306	334	291	312	309	267	286

07374000 Mississippi River at Baton Rouge, LA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	302	298	300	360	349	353	397	366	378	425	393	410
2	305	298	300	354	342	348	378	361	370	417	394	409
3	308	293	305	351	329	343	372	366	369	427	397	419
4	310	304	308	351	342	346	381	368	376	436	406	423
5	310	304	307	350	340	347	387	379	383	441	425	435
6	316	308	312	379	343	352	413	386	395	479	438	452
7	322	310	316	360	349	354	405	395	399	497	447	470
8	331	317	323	365	354	359	406	397	402	493	447	457
9	332	295	326	372	358	365	425	402	413	464	452	459
10	330	321	326	389	362	375	420	404	410	473	420	458
11	323	309	317	382	370	376	419	405	409	485	435	471
12	322	307	311	379	370	374	419	405	412	488	461	473
13	319	304	310	376	363	370	430	415	422	465	448	454
14	309	301	305	367	360	364	432	422	428	465	451	457
15	311	301	305	361	345	354	444	427	432	479	456	463
16	308	301	304	348	333	339	465	443	455	481	466	473
17	315	305	308	341	333	337	477	460	470	481	462	474
18	327	313	319	341	334	338	478	469	474	520	477	498
19	334	321	327	352	338	345	475	445	460	504	478	486
20	329	320	324	361	344	351	471	461	467	492	457	484
21	333	319	324	366	352	356	488	466	474	494	431	469
22	336	323	329	365	343	350	482	428	452	478	430	462
23	349	326	338	345	335	341	436	398	408	476	458	468
24	346	324	337	351	336	343	398	384	391	482	447	469
25	341	328	336	343	336	339	387	369	382	502	452	478
26	340	329	335	351	342	346	397	369	385	512	495	506
27	344	334	340	351	344	348	385	376	378	530	468	508
28	347	338	344	370	344	353	392	366	379	514	470	502
29	355	342	348	353	342	346	408	377	395	498	487	491
30	360	345	351	354	344	348	390	344	384	495	476	488
31	---	---	---	367	350	359	398	388	393	---	---	---
Month	360	293	321	389	329	352	488	344	411	530	393	466

	Max	Min	Mean
Year	586	251	370

07374000 Mississippi River at Baton Rouge, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	25.0	24.1	24.6	18.3	17.4	17.8	13.2	12.4	12.7	8.5	8.3	8.5
2	24.5	23.8	24.1	18.5	17.6	17.8	13.4	12.5	12.9	8.3	7.8	8.1
3	24.0	23.6	23.8	18.4	17.4	17.8	13.6	12.6	13.0	7.8	7.6	7.7
4	23.9	23.6	23.7	17.9	17.4	17.6	13.1	12.9	13.0	7.6	7.2	7.4
5	23.8	23.4	23.6	18.1	17.1	17.5	13.3	13.0	13.2	7.2	7.0	7.1
6	23.6	23.0	23.4	17.6	16.9	17.2	13.6	13.0	13.2	7.0	6.8	6.9
7	23.0	22.2	22.7	17.6	16.6	17.0	13.6	13.0	13.2	6.8	6.7	6.8
8	22.2	21.4	21.8	17.4	16.3	16.6	13.9	13.1	13.5	7.3	6.7	6.8
9	21.6	21.2	21.4	17.0	16.0	16.4	14.4	13.4	13.8	7.6	7.3	7.4
10	21.7	21.1	21.3	16.4	15.9	16.1	14.9	13.4	14.1	8.1	7.3	7.7
11	21.9	21.2	21.4	16.2	15.9	16.0	13.4	12.9	13.2	8.3	7.6	7.9
12	22.0	21.2	21.5	16.2	15.5	15.9	13.4	12.6	12.9	9.0	7.6	8.4
13	22.2	21.3	21.6	15.5	14.7	15.1	13.4	12.4	12.8	9.5	8.9	9.1
14	22.2	21.4	21.7	14.7	14.3	14.5	13.3	12.3	12.7	9.5	9.0	9.2
15	22.3	21.4	21.8	14.5	14.1	14.2	13.1	12.5	12.8	9.0	8.6	8.8
16	21.9	21.2	21.5	14.2	13.8	14.0	13.0	12.7	12.9	8.6	8.4	8.5
17	22.1	21.1	21.5	14.0	13.6	13.8	13.1	12.8	13.0	8.4	8.1	8.2
18	21.7	21.2	21.4	13.9	13.5	13.7	13.0	12.6	12.8	8.1	8.0	8.0
19	21.7	20.9	21.2	14.0	13.5	13.7	12.8	12.5	12.7	8.0	7.7	7.8
20	21.6	20.6	21.0	14.1	13.5	13.7	13.0	12.5	12.8	7.7	7.5	7.6
21	21.6	20.4	20.8	14.2	13.5	13.7	12.5	12.0	12.3	7.5	7.1	7.3
22	21.2	20.2	20.6	14.1	13.4	13.7	12.0	11.6	11.8	7.1	6.9	7.0
23	21.2	20.2	20.6	14.0	13.4	13.6	11.6	11.4	11.5	7.0	6.8	6.9
24	21.1	20.4	20.7	13.8	13.1	13.4	11.6	11.3	11.4	7.1	7.0	7.1
25	21.4	20.4	20.7	13.6	12.9	13.2	11.5	11.2	11.3	7.3	7.0	7.1
26	21.3	20.0	20.7	13.7	13.0	13.2	11.2	10.5	10.8	7.5	7.3	7.4
27	20.3	19.2	19.8	13.2	12.8	13.0	10.5	10.1	10.2	7.6	7.4	7.5
28	19.6	18.4	19.0	13.2	12.6	12.8	10.3	10.0	10.1	7.6	7.5	7.5
29	18.8	17.9	18.3	12.9	12.4	12.6	10.1	9.4	9.8	7.7	7.5	7.6
30	18.4	17.6	17.9	13.0	12.4	12.6	9.4	9.0	9.1	8.0	7.7	7.9
31	18.5	17.4	17.9	---	---	---	9.0	8.5	8.7	7.8	7.6	7.7
Month	25.0	17.4	21.4	18.5	12.4	14.9	14.9	8.5	12.2	9.5	6.7	7.7

07374000 Mississippi River at Baton Rouge, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	7.7	7.6	7.6	8.3	8.2	8.2	9.1	8.8	8.9	16.1	15.9	16.0
2	7.7	7.6	7.7	8.2	7.8	8.0	9.3	9.0	9.1	16.0	15.9	16.0
3	7.9	7.7	7.8	7.9	7.7	7.8	9.8	9.3	9.5	15.9	15.5	15.8
4	8.0	7.9	8.0	8.0	7.7	7.9	9.9	9.8	9.8	15.6	15.4	15.5
5	8.1	8.0	8.0	8.2	7.9	8.1	10.2	9.9	10.0	15.5	15.3	15.4
6	8.3	8.1	8.2	8.2	7.9	8.1	10.4	10.1	10.3	15.4	15.2	15.3
7	8.4	8.2	8.3	8.1	7.9	8.0	10.6	10.3	10.4	15.7	15.4	15.5
8	8.3	8.2	8.2	8.2	7.9	8.1	11.1	10.6	10.8	16.0	15.7	15.8
9	8.3	8.2	8.2	8.1	8.0	8.1	11.7	11.1	11.4	16.3	15.9	16.1
10	8.5	8.2	8.4	8.4	8.0	8.2	12.6	11.7	12.1	16.6	16.3	16.5
11	8.5	8.3	8.4	8.8	8.3	8.6	13.2	12.6	12.9	17.1	16.6	16.8
12	8.5	8.1	8.3	8.7	8.4	8.5	13.4	12.9	13.2	17.6	17.1	17.3
13	8.2	8.0	8.1	8.8	8.4	8.6	13.8	13.3	13.5	17.9	17.6	17.7
14	8.0	7.7	7.8	8.7	8.4	8.6	14.3	13.8	14.1	18.3	17.9	18.1
15	7.7	7.6	7.7	8.9	8.5	8.7	15.0	14.3	14.6	18.6	18.3	18.4
16	7.7	7.6	7.7	9.2	8.8	9.0	15.8	15.0	15.4	18.9	18.5	18.7
17	7.8	7.6	7.7	9.7	9.2	9.4	16.4	15.8	16.1	19.2	18.9	19.0
18	8.0	7.7	7.8	10.1	9.7	9.9	17.0	16.4	16.7	19.6	19.2	19.4
19	8.2	8.0	8.1	10.4	10.0	10.2	16.9	16.7	16.8	20.1	19.6	19.8
20	8.4	8.2	8.3	10.3	10.1	10.2	16.9	16.6	16.7	20.6	20.1	20.3
21	8.6	8.3	8.5	10.2	10.0	10.2	17.0	16.7	16.8	21.1	20.6	20.8
22	8.9	8.6	8.8	10.0	9.8	9.9	17.2	16.8	17.0	21.3	21.1	21.2
23	8.8	8.7	8.7	9.8	9.4	9.6	17.3	17.1	17.2	21.7	21.3	21.5
24	9.0	8.7	8.9	9.4	8.9	9.1	17.2	16.8	17.1	22.0	21.6	21.8
25	9.2	8.8	9.1	8.9	8.6	8.7	16.8	16.6	16.7	22.4	22.0	22.2
26	9.0	8.6	8.8	8.6	8.4	8.5	16.6	16.4	16.5	22.6	22.4	22.5
27	8.7	8.5	8.6	8.6	8.3	8.4	16.4	16.3	16.3	22.8	22.6	22.7
28	8.6	8.3	8.4	8.6	8.4	8.5	16.3	16.2	16.2	23.1	22.8	22.9
29	---	---	---	8.7	8.5	8.6	16.3	16.0	16.2	23.4	23.0	23.2
30	---	---	---	8.9	8.6	8.7	16.2	16.0	16.1	23.7	23.3	23.5
31	---	---	---	8.9	8.7	8.8	---	---	---	23.9	23.6	23.7
Month	9.2	7.6	8.2	10.4	7.7	8.7	17.3	8.8	13.9	23.9	15.2	19.0

07374000 Mississippi River at Baton Rouge, LA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	24.3	23.9	24.1	28.4	28.1	28.3	29.4	29.1	29.3	29.5	29.0	29.2
2	24.5	24.2	24.3	28.4	28.2	28.3	29.6	29.3	29.5	29.7	29.2	29.4
3	24.7	24.4	24.5	28.3	28.2	28.2	30.0	29.5	29.7	29.9	29.4	29.6
4	24.8	24.6	24.7	28.3	28.1	28.2	30.2	29.8	29.9	29.8	29.4	29.6
5	25.0	24.8	24.9	28.3	28.1	28.2	30.0	29.7	29.8	29.9	29.5	29.6
6	25.1	24.9	25.0	28.1	27.9	28.0	30.0	29.7	29.8	29.9	29.5	29.7
7	25.1	24.9	25.0	28.0	27.9	27.9	30.0	29.7	29.8	30.2	29.8	29.9
8	25.1	24.9	25.1	28.0	27.7	27.9	30.0	29.7	29.9	30.1	29.7	29.9
9	24.9	24.6	24.7	28.2	27.9	28.0	29.9	29.7	29.8	29.9	29.6	29.7
10	24.6	24.5	24.5	28.4	28.1	28.2	29.9	29.6	29.7	30.0	29.6	29.8
11	24.7	24.5	24.6	28.3	28.0	28.2	29.8	29.6	29.7	29.8	29.6	29.7
12	24.8	24.6	24.7	28.1	27.8	28.0	29.9	29.5	29.7	30.0	29.6	29.7
13	24.9	24.7	24.8	27.9	27.6	27.7	29.9	29.5	29.6	30.0	29.6	29.8
14	25.2	24.8	25.0	27.7	27.6	27.6	29.6	29.2	29.5	30.0	29.6	29.8
15	25.3	25.0	25.2	27.6	27.5	27.6	29.4	29.0	29.2	30.0	29.5	29.7
16	25.5	25.2	25.4	27.6	27.4	27.5	29.3	28.9	29.1	29.8	29.3	29.5
17	25.6	25.4	25.5	27.9	27.6	27.7	29.3	29.0	29.1	29.7	29.2	29.4
18	25.8	25.6	25.7	28.1	27.8	27.9	29.0	28.6	28.8	29.6	29.1	29.3
19	25.8	25.6	25.7	28.3	28.0	28.2	28.6	28.1	28.3	29.2	28.8	29.0
20	25.9	25.6	25.7	28.4	28.1	28.3	28.1	27.8	27.9	29.1	28.6	28.8
21	26.1	25.8	25.9	28.3	28.2	28.2	27.8	27.6	27.7	28.6	28.0	28.3
22	26.4	26.0	26.2	28.3	28.1	28.2	27.9	27.6	27.7	28.0	27.3	27.6
23	26.6	26.4	26.5	28.5	28.3	28.4	28.0	27.7	27.8	27.5	27.0	27.3
24	26.9	26.6	26.7	28.8	28.5	28.6	27.9	27.8	27.9	27.6	27.1	27.2
25	27.1	26.9	27.0	29.0	28.7	28.8	28.0	27.8	27.9	27.5	27.0	27.2
26	27.4	27.1	27.2	29.1	28.9	29.0	28.2	27.9	28.1	27.4	26.9	27.1
27	27.7	27.4	27.5	29.0	28.9	29.0	28.4	28.1	28.2	27.3	26.8	27.0
28	28.0	27.7	27.8	29.0	28.7	28.9	28.7	28.3	28.5	27.0	26.6	26.8
29	28.1	27.9	28.0	29.1	28.8	29.0	29.0	28.5	28.7	26.8	26.4	26.6
30	28.3	28.0	28.1	29.2	28.9	29.0	29.1	28.7	28.9	26.5	26.1	26.3
31	---	---	---	29.4	29.0	29.2	29.2	28.8	29.0	---	---	---
Month	28.3	23.9	25.7	29.4	27.4	28.3	30.2	27.6	29.0	30.2	26.1	28.8

	Max	Min	Mean
Year	30.2	6.7	18.2

07374000 Mississippi River at Baton Rouge, LA—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		October			November			December			January	
1	8.1	8.0	8.0	8.1	8.0	8.0	8.3	8.2	8.3	8.1	8.0	8.1
2	8.0	7.9	8.0	8.1	7.9	8.0	8.3	8.2	8.2	8.1	8.1	8.1
3	8.1	8.0	8.0	8.0	7.9	8.0	8.3	8.2	8.2	8.1	8.1	8.1
4	8.0	8.0	8.0	8.1	8.0	8.0	8.2	8.1	8.2	8.1	8.0	8.1
5	8.0	7.9	8.0	8.2	8.0	8.1	8.2	8.1	8.2	8.1	8.0	8.1
6	7.9	7.9	7.9	8.2	8.1	8.1	8.2	8.1	8.1	8.1	8.1	8.1
7	7.9	7.8	7.9	8.2	8.0	8.1	8.1	8.1	8.1	8.2	8.1	8.2
8	7.9	7.8	7.9	8.1	8.0	8.1	8.2	8.0	8.1	8.2	8.1	8.2
9	7.9	7.9	7.9	8.1	8.0	8.0	8.1	8.0	8.1	8.2	8.1	8.1
10	8.0	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.1	8.1	8.1	8.1
11	8.0	7.9	7.9	8.0	8.0	8.0	8.2	8.1	8.1	8.1	8.0	8.0
12	8.1	8.0	8.0	8.1	8.0	8.0	8.2	8.1	8.1	8.1	7.9	8.0
13	8.1	8.0	8.0	8.1	8.1	8.1	8.2	8.0	8.1	8.0	7.9	8.0
14	8.1	8.0	8.0	8.1	8.0	8.1	8.2	8.1	8.1	8.0	8.0	8.0
15	8.1	8.0	8.1	8.1	8.0	8.1	8.1	8.1	8.1	8.0	8.0	8.0
16	8.1	8.0	8.1	8.2	8.1	8.1	8.1	8.1	8.1	8.0	8.0	8.0
17	8.2	8.0	8.1	8.1	8.1	8.1	8.1	8.0	8.1	8.0	8.0	8.0
18	8.1	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.0	8.0	8.0
19	8.2	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.0	8.0	8.0
20	8.2	8.1	8.1	8.1	8.0	8.1	8.1	8.1	8.1	8.0	8.0	8.0
21	8.2	8.0	8.1	8.1	8.0	8.1	8.1	8.0	8.1	8.0	8.0	8.0
22	8.1	8.0	8.1	8.1	8.1	8.1	8.1	7.9	8.0	8.0	8.0	8.0
23	8.2	8.0	8.1	8.1	8.0	8.1	8.1	8.0	8.0	8.0	8.0	8.0
24	8.1	8.0	8.1	8.2	8.0	8.1	8.0	8.0	8.0	8.0	8.0	8.0
25	8.1	8.0	8.0	8.2	8.1	8.1	8.0	8.0	8.0	8.0	8.0	8.0
26	8.1	7.9	8.1	8.2	8.1	8.2	8.1	8.0	8.1	8.0	8.0	8.0
27	8.2	8.1	8.1	8.2	8.1	8.2	8.1	8.0	8.1	8.0	8.0	8.0
28	8.2	8.0	8.1	8.2	8.1	8.1	8.0	8.0	8.0	8.0	8.0	8.0
29	8.2	8.0	8.1	8.2	8.1	8.1	8.0	7.9	8.0	8.0	8.0	8.0
30	8.1	8.0	8.0	8.3	8.1	8.3	8.1	8.0	8.1	8.0	8.0	8.0
31	8.1	8.0	8.0	---	---	---	8.0	8.0	8.0	8.0	8.0	8.0
Max	8.2	8.1	8.1	8.3	8.1	8.3	8.3	8.2	8.3	8.2	8.1	8.2
Min	7.9	7.8	7.9	8.0	7.9	8.0	8.0	7.9	8.0	8.0	7.9	8.0

07374000 Mississippi River at Baton Rouge, LA—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		February			March			April			May	
1	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.8
2	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.8
3	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.8
4	8.0	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.8
5	7.9	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.7
6	7.9	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.7
7	7.9	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.7
8	7.9	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.7	7.7	7.7
9	8.0	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.7	7.7	7.7
10	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.7	7.7	7.7
11	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.7	7.6	7.7
12	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.6	7.7
13	8.0	7.9	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.7
14	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.7	7.7
15	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.9	7.7	7.6	7.7
16	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.7	7.6	7.7
17	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.7	7.6	7.7
18	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.7	7.6	7.7
19	8.0	7.9	7.9	8.1	8.0	8.1	7.9	7.8	7.9	7.7	7.6	7.6
20	7.9	7.9	7.9	8.1	8.1	8.1	7.9	7.8	7.9	7.6	7.6	7.6
21	8.0	7.9	7.9	8.1	8.1	8.1	7.9	7.9	7.9	7.7	7.6	7.7
22	8.0	7.9	7.9	8.1	8.0	8.0	7.9	7.8	7.9	7.7	7.6	7.7
23	8.0	7.9	8.0	8.0	8.0	8.0	7.9	7.8	7.9	7.7	7.6	7.7
24	8.0	7.9	7.9	8.0	8.0	8.0	7.9	7.8	7.8	7.7	7.6	7.7
25	8.0	7.9	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.7	7.6	7.6
26	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.6	7.6	7.6
27	8.0	8.0	8.0	8.0	7.9	8.0	7.8	7.8	7.8	7.7	7.6	7.6
28	8.0	8.0	8.0	8.0	7.9	8.0	8.3	7.8	7.9	7.7	7.6	7.7
29	---	---	---	8.0	7.9	7.9	7.9	7.8	7.8	7.9	7.7	7.8
30	---	---	---	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.6	7.7
31	---	---	---	7.9	7.9	7.9	---	---	---	7.8	7.7	7.7
Max	8.0	8.0	8.0	8.1	8.1	8.1	8.3	7.9	7.9	7.9	7.8	7.8
Min	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.6	7.6	7.6

07374000 Mississippi River at Baton Rouge, LA—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		June			July			August			September	
1	7.8	7.6	7.7	7.8	7.8	7.8	7.9	7.8	7.8	8.0	7.9	8.0
2	7.7	7.6	7.7	7.8	7.8	7.8	7.9	7.9	7.9	8.0	7.9	8.0
3	7.8	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	8.0	7.9	8.0
4	7.9	7.7	7.7	7.8	7.8	7.8	8.0	7.9	7.9	7.9	7.9	7.9
5	7.7	7.6	7.7	7.8	7.8	7.8	8.0	8.0	8.0	8.0	7.9	7.9
6	7.7	7.7	7.7	7.9	7.8	7.8	8.0	8.0	8.0	8.0	7.9	8.0
7	7.7	7.7	7.7	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0
8	7.7	7.7	7.7	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0
9	7.7	7.7	7.7	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0
10	7.8	7.7	7.7	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0
11	7.8	7.7	7.7	8.0	7.9	8.0	8.1	8.0	8.0	8.0	8.0	8.0
12	7.8	7.7	7.7	8.0	8.0	8.0	8.0	7.9	8.0	8.0	8.0	8.0
13	7.8	7.7	7.7	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
14	7.8	7.7	7.8	8.0	8.0	8.0	8.0	7.9	8.0	8.0	8.0	8.0
15	7.8	7.8	7.8	8.0	7.9	8.0	8.0	7.9	7.9	8.0	8.0	8.0
16	7.8	7.7	7.7	8.0	7.9	7.9	8.0	7.9	7.9	8.0	8.0	8.0
17	7.7	7.7	7.7	7.9	7.9	7.9	8.0	7.9	8.0	8.1	8.0	8.0
18	7.7	7.7	7.7	7.9	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.0
19	7.8	7.7	7.7	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0
20	7.8	7.7	7.7	7.9	7.9	7.9	8.0	7.9	8.0	8.1	8.0	8.0
21	7.8	7.7	7.7	7.9	7.9	7.9	8.0	7.9	8.0	8.1	8.0	8.0
22	7.8	7.7	7.7	8.0	7.9	7.9	8.0	7.9	7.9	8.0	7.9	7.9
23	7.8	7.7	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	7.9	8.0
24	7.8	7.8	7.8	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
25	7.8	7.8	7.8	8.0	7.9	8.0	7.9	7.9	7.9	8.0	7.9	8.0
26	7.8	7.8	7.8	8.0	7.9	8.0	7.9	7.9	7.9	8.0	8.0	8.0
27	7.8	7.8	7.8	8.0	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
28	7.8	7.8	7.8	7.9	7.8	7.9	7.9	7.9	7.9	8.0	8.0	8.0
29	7.8	7.8	7.8	7.9	7.8	7.9	7.9	7.9	7.9	8.0	7.9	7.9
30	7.8	7.8	7.8	7.9	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9
31	---	---	---	7.9	7.8	7.8	8.0	7.9	7.9	---	---	---
Max	7.9	7.8	7.8	8.0	8.0	8.0	8.1	8.0	8.0	8.1	8.0	8.0
Min	7.7	7.6	7.7	7.8	7.8	7.8	7.9	7.8	7.8	7.9	7.9	7.9

	Max	Min	Median
Year Maximum	8.3	8.2	8.3
Year Minimum	7.6	7.6	7.6

07374000 Mississippi River at Baton Rouge, LA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	7.5	7.1	7.3	9.2	8.6	8.8	11.0	10.4	10.6	10.8	10.7	10.8
2	7.3	7.0	7.2	9.1	8.5	8.8	10.9	10.4	10.6	10.9	10.8	10.9
3	7.2	7.1	7.2	9.3	8.7	9.0	10.8	10.4	10.6	11.0	10.9	11.0
4	7.4	7.2	7.3	9.4	8.8	9.1	10.7	10.3	10.5	11.0	10.9	11.0
5	7.4	7.2	7.3	9.5	9.0	9.2	10.6	10.2	10.3	11.1	11.0	11.1
6	7.2	7.0	7.1	9.6	9.1	9.2	10.6	10.1	10.3	11.2	11.1	11.1
7	7.1	7.0	7.0	9.6	9.0	9.2	10.7	10.0	10.3	11.2	11.2	11.2
8	7.3	6.9	7.1	9.3	8.9	9.1	10.7	10.0	10.3	11.3	11.2	11.3
9	7.6	7.2	7.4	9.2	8.9	9.0	10.5	9.8	10.2	11.3	11.2	11.2
10	7.8	7.5	7.6	9.2	8.9	9.0	10.2	9.7	9.9	11.3	11.1	11.2
11	7.8	7.6	7.7	9.3	9.1	9.2	10.3	9.8	10.0	11.2	10.9	11.1
12	8.1	7.8	8.0	9.3	9.2	9.3	10.4	9.7	10.0	11.2	10.7	10.9
13	8.3	7.9	8.1	9.4	9.2	9.3	10.4	9.8	10	10.8	10.7	10.8
14	8.4	8.0	8.2	9.5	9.1	9.3	10.3	9.8	10.0	10.9	10.7	10.8
15	8.5	8.0	8.3	9.6	9.4	9.5	10.1	9.7	9.9	10.9	10.8	10.9
16	8.5	8.2	8.3	9.8	9.6	9.7	9.8	9.7	9.7	10.8	10.8	10.8
17	8.6	8.1	8.4	9.9	9.7	9.8	9.8	9.5	9.7	10.8	10.8	10.8
18	8.7	8.2	8.4	9.9	9.7	9.8	9.9	9.7	9.8	10.8	10.7	10.7
19	9.0	8.2	8.5	10.0	9.8	9.9	10.0	9.9	9.9	10.8	10.7	10.7
20	8.8	8.3	8.5	10.1	9.8	9.9	9.9	9.8	9.9	10.7	10.6	10.7
21	8.9	8.2	8.5	10.2	9.9	10.0	9.8	9.8	9.8	10.8	10.6	10.7
22	8.8	8.3	8.5	10.2	9.9	10.0	9.8	9.8	9.8	10.8	10.7	10.8
23	8.9	8.3	8.6	10.3	9.9	10.0	9.9	9.8	9.8	10.7	10.4	10.6
24	9.0	8.4	8.6	10.4	10.0	10.1	10.0	9.9	9.9	10.5	10.4	10.5
25	9.0	8.3	8.6	10.5	10.1	10.2	10.1	10.0	10.0	10.6	10.5	10.6
26	8.9	8.1	8.5	10.6	10.2	10.3	10.2	10.1	10.2	10.6	10.6	10.6
27	9.1	8.6	8.8	10.4	10.2	10.3	10.3	10.2	10.3	10.6	10.5	10.5
28	9.1	8.5	8.8	10.7	10.2	10.4	10.2	10.2	10.2	10.6	10.5	10.6
29	9.2	8.7	8.9	10.7	10.3	10.4	10.4	10.2	10.3	10.7	10.6	10.6
30	9.2	8.6	8.9	10.9	10.3	10.5	10.5	10.4	10.5	10.8	10.7	10.7
31	9.2	8.7	8.9	---	---	---	10.7	10.4	10.5	10.9	10.8	10.8
Month	9.2	6.9	8.1	10.9	8.5	9.6	11.0	9.5	10.1	11.3	10.4	10.8

07374000 Mississippi River at Baton Rouge, LA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	10.9	10.9	10.9	10.8	10.8	10.8	10.3	10.2	10.3	7.7	7.6	7.6
2	10.9	10.9	10.9	10.9	10.8	10.9	10.3	10.2	10.2	7.6	7.5	7.5
3	10.9	10.8	10.9	10.9	10.9	10.9	10.2	10.2	10.2	7.6	7.5	7.5
4	10.8	10.8	10.8	11.0	10.9	11.0	10.2	10.1	10.1	7.6	7.5	7.6
5	10.8	10.7	10.7	11.0	11.0	11.0	10.1	10.0	10.1	7.6	7.5	7.6
6	10.7	10.6	10.6	11.1	11.0	11.0	10.1	10.0	10.0	7.6	7.5	7.6
7	10.6	10.6	10.6	11.1	11.1	11.1	10.0	10.0	10.0	7.5	7.5	7.5
8	10.7	10.6	10.6	11.1	11.1	11.1	10.0	9.9	10	7.5	7.4	7.5
9	10.8	10.7	10.7	11.2	11.1	11.1	9.9	9.9	9.9	7.4	7.4	7.4
10	10.8	10.8	10.8	11.2	11.2	11.2	9.9	9.8	9.9	7.4	7.3	7.4
11	10.8	10.8	10.8	11.2	11.0	11.1	9.8	9.7	9.8	7.4	7.2	7.3
12	10.8	10.7	10.8	11.0	11.0	11.0	9.7	9.6	9.6	7.2	7.1	7.2
13	10.8	10.7	10.7	11.0	10.9	11.0	9.6	9.5	9.5	7.1	7.0	7.0
14	10.9	10.8	10.8	11.0	10.9	11.0	9.5	9.2	9.4	7.0	7.0	7.0
15	10.9	10.9	10.9	11.0	10.9	11.0	9.2	9.1	9.2	7.0	6.9	6.9
16	11.0	10.9	10.9	11.0	10.9	10.9	9.1	8.8	8.9	6.9	6.9	6.9
17	11.0	10.9	10.9	10.9	10.9	10.9	8.8	8.6	8.7	6.9	6.8	6.9
18	10.9	10.9	10.9	10.9	10.8	10.9	8.6	8.4	8.5	6.8	6.8	6.8
19	10.9	10.8	10.9	10.8	10.8	10.8	8.4	8.4	8.4	6.8	6.7	6.8
20	10.9	10.8	10.8	10.8	10.6	10.7	8.4	8.3	8.3	6.8	6.7	6.7
21	10.8	10.8	10.8	10.6	10.4	10.5	8.3	8.2	8.3	6.7	6.6	6.6
22	10.8	10.7	10.8	10.4	10.0	10.2	8.2	8.0	8.1	6.6	6.5	6.6
23	10.7	10.7	10.7	10.0	10.0	10.0	8.0	7.9	8.0	6.5	6.4	6.5
24	10.7	10.6	10.6	10.2	10.0	10.1	7.9	7.8	7.9	6.4	6.3	6.4
25	10.7	10.6	10.6	10.3	10.2	10.2	7.9	7.8	7.8	6.3	6.2	6.3
26	10.7	10.6	10.7	10.3	10.3	10.3	7.9	7.9	7.9	6.3	6.2	6.2
27	10.8	10.7	10.8	10.3	10.2	10.3	7.9	7.9	7.9	6.2	6.1	6.2
28	10.8	10.8	10.8	10.2	10.2	10.2	7.9	7.8	7.9	6.1	6.1	6.1
29	---	---	---	10.2	10.2	10.2	7.8	7.8	7.8	6.1	6.0	6.1
30	---	---	---	10.2	10.2	10.2	7.8	7.7	7.7	6.0	6.0	6.0
31	---	---	---	10.3	10.2	10.2	---	---	---	6.0	6.0	6.0
Month	11.0	10.6	10.8	11.2	10.0	10.7	10.3	7.7	9.0	7.7	6.0	6.9

07374000 Mississippi River at Baton Rouge, LA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	6.0	5.9	5.9	5.8	5.8	5.8	5.9	5.7	5.8	6.8	6.6	6.7
2	6.0	5.9	5.9	5.8	5.7	5.7	6.0	5.9	6.0	6.8	6.6	6.7
3	5.9	5.9	5.9	5.7	5.7	5.7	6.2	5.9	6.1	6.8	6.5	6.7
4	5.9	5.9	5.9	5.7	5.7	5.7	6.3	6.1	6.2	6.5	6.3	6.4
5	5.9	5.9	5.9	5.8	5.7	5.7	6.6	6.3	6.4	6.6	6.4	6.5
6	6.0	5.9	5.9	5.9	5.8	5.8	6.7	6.5	6.6	6.6	6.4	6.5
7	6.0	5.9	5.9	6.0	5.9	6.0	6.7	6.5	6.6	6.7	6.5	6.6
8	6.0	5.9	6.0	6.1	6.0	6.0	6.7	6.5	6.6	6.7	6.5	6.6
9	6.1	6.0	6.1	6.2	6.1	6.1	6.6	6.4	6.5	6.7	6.4	6.6
10	6.1	6.0	6.0	6.3	6.2	6.2	6.6	6.4	6.5	6.7	6.4	6.6
11	6.0	5.9	5.9	6.4	6.3	6.3	6.7	6.5	6.6	6.7	6.5	6.5
12	5.9	5.8	5.8	6.4	6.4	6.4	6.7	6.5	6.6	6.8	6.5	6.6
13	5.8	5.8	5.8	6.5	6.4	6.4	6.7	6.5	6.6	6.8	6.6	6.7
14	5.8	5.8	5.8	6.4	6.4	6.4	6.6	6.3	6.4	6.7	6.5	6.6
15	5.9	5.8	5.8	6.4	6.4	6.4	6.5	6.3	6.4	6.7	6.4	6.6
16	5.9	5.8	5.8	6.4	6.4	6.4	6.5	6.3	6.4	6.6	6.4	6.5
17	5.8	5.8	5.8	6.4	6.4	6.4	6.4	6.3	6.4	6.8	6.5	6.6
18	5.8	5.8	5.8	6.4	6.4	6.4	6.5	6.3	6.4	6.8	6.4	6.6
19	5.9	5.8	5.8	6.4	6.3	6.3	6.5	6.4	6.4	6.8	6.5	6.6
20	5.9	5.8	5.9	6.3	6.3	6.3	6.5	6.4	6.4	6.9	6.6	6.8
21	5.8	5.8	5.8	6.3	6.2	6.3	6.5	6.4	6.4	7.0	6.6	6.7
22	5.8	5.8	5.8	6.3	6.3	6.3	6.4	6.4	6.4	6.6	6.3	6.5
23	5.9	5.8	5.8	6.3	6.3	6.3	6.4	6.3	6.4	6.8	6.4	6.7
24	5.9	5.9	5.9	6.4	6.3	6.3	6.6	6.4	6.5	6.7	6.3	6.5
25	6.0	5.9	6.0	6.4	6.3	6.3	6.7	6.6	6.6	6.9	6.4	6.7
26	6.0	5.9	6.0	6.3	6.2	6.3	6.7	6.6	6.6	7.2	6.8	7.0
27	6.0	5.9	5.9	6.2	6.0	6.1	6.7	6.6	6.6	7.2	6.9	7.1
28	6.0	5.9	5.9	6.0	5.9	6.0	6.7	6.6	6.6	7.1	6.8	7.0
29	6.0	5.9	6.0	5.9	5.8	5.8	6.8	6.6	6.7	6.9	6.6	6.8
30	5.9	5.8	5.9	5.8	5.7	5.7	6.8	6.7	6.7	6.7	6.4	6.6
31	---	---	---	5.8	5.7	5.7	6.8	6.7	6.7	---	---	---
Month	6.1	5.8	5.9	6.5	5.7	6.1	6.8	5.7	6.5	7.2	6.3	6.7

	Max	Min	Mean
Year	11.3	5.7	8.4

07374000 Mississippi River at Baton Rouge, LA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 5

[$CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; 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]

Date	Sample start time	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)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)
10-22-2012	**1300**	8.9	8.0	449	20.4	24	271	40.4	14.6
12-03-2012	**1100**	10.8	8.1	517	12.5	E 14	335	44.6	17.1
01-14-2013	**1200**	--	8.0	284	9.0	120	179	29.3	8.59
02-21-2013	**0800**	11.1	8.2	286	8.4	86	173	29.2	8.66
03-04-2013	**1300**	11.1	8.2	304	7.7	94	178	30.9	9.18
03-18-2013	**1100**	11.1	7.7	347	9.7	48	206	34.2	10.6
04-08-2013	**1300**	10.2	8.0	328	10.7	73	189	32.9	10.4
04-22-2013	**1300**	8.2	7.7	354	16.9	64	202	35.5	12.2
05-06-2013	**1300**	7.4	7.5	300	15.3	110	173	31.9	9.20
05-20-2013	**1300**	6.5	7.5	305	20.3	30	191	32.6	9.53
06-03-2013	**1300**	5.7	7.5	335	24.4	32	184	36.3	11.4
06-17-2013	**1300**	5.6	7.4	321	25.4	100	206	33.7	10.3
07-15-2013	**1300**	6.4	7.6	364	27.5	84	213	38.5	12.3
08-19-2013	**1300**	6.0	7.9	424	28.1	68	274	38.6	11.8

07374000 Mississippi River at Baton Rouge, LA—Continued

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[$CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; 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]

Date	Sample start time	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)
10-22-2012	**1300**	3.59	31.5	123	149	2.01	0.5	22.6	0.19
12-03-2012	**1100**	3.63	35.7	124	150	1.92	.5	29.8	.21
01-14-2013	**1200**	2.38	12.8	79.3	96.1	4.25	.2	14.7	.11
02-21-2013	**0800**	2.66	13.1	76.0	91.2	3.63	.7	15.8	.11
03-04-2013	**1300**	2.57	15.3	81.5	98.6	3.93	.3	20.0	.11
03-18-2013	**1100**	2.43	16.3	90.8	110	3.18	.3	23.5	E .08
04-08-2013	**1300**	2.82	17.4	84.3	102	3.30	.1	21.8	.12
04-22-2013	**1300**	3.10	17.6	--	107	5.29	.3	20.2	.16
05-06-2013	**1300**	3.43	12.8	87.5	106	5.88	.3	15.9	.14
05-20-2013	**1300**	2.97	10.3	96.0	116	.58	.3	13.8	.13
06-03-2013	**1300**	3.41	12.8	101	122	2.05	.3	16.3	.16
06-17-2013	**1300**	3.67	13.8	92.0	112	4.54	.2	17.9	.17
07-15-2013	**1300**	3.79	13.0	106	128	4.78	.3	16.1	.05
08-19-2013	**1300**	3.42	23.4	115	139	4.09	.6	28.5	.19

07374000 Mississippi River at Baton Rouge, LA—Continued

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[$CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; 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]

Date	Sample start time	Inorganic carbon, suspended sediment, total, mg/L (00688)	Silica, water, filtered, mg/L as SiO_2 (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)	Nitrite, water, filtered, mg/L as N (00613)	Orthophos-phate, water, filtered, mg/L as P (00671)
10-22-2012	**1300**	< .03	4.94	68.0	0.26	0.49	< .010	0.437	0.001	0.064
12-03-2012	**1100**	.05	4.65	84.0	.28	.53	< .010	.761	.001	.053
01-14-2013	**1200**	< .03	5.96	32.8	.29	.69	.027	.832	.011	.050
02-21-2013	**0800**	< .03	6.87	31.5	.26	.66	.025	1.20	.014	.051
03-04-2013	**1300**	.45	6.04	31.2	.40	.70	.032	1.18	.011	.051
03-18-2013	**1100**	< .03	6.50	36.4	.28	.57	.026	1.47	.010	.054
04-08-2013	**1300**	< .03	5.92	33.9	.34	.76	.030	1.39	.022	.054
04-22-2013	**1300**	< .03	5.45	38.5	.33	.68	< .010	1.45	.032	.072
05-06-2013	**1300**	< .03	6.55	28.4	.43	.83	< .010	1.95	.025	.062
05-20-2013	**1300**	.14	6.29	26.2	.38	.50	.012	1.89	.025	.072
06-03-2013	**1300**	.30	6.13	27.8	.41	.57	< .010	1.88	.003	.085
06-17-2013	**1300**	< .03	7.30	25.3	.39	.83	< .010	2.54	.002	.094
07-15-2013	**1300**	< .03	8.00	36.7	.46	.74	< .010	2.76	.001	.116
08-19-2013	**1300**	< .03	7.01	43.8	.38	.57	< .010	1.03	< .001	.087

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[$CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; 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]

Date	Sample start time	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)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Iron, water, filtered, µg/L (01046)	Lithium, water, filtered, µg/L (01130)	Strontium, water, filtered, µg/L (01080)	Vanadium, water, filtered, µg/L (01085)
10-22-2012	**1300**	0.229	0.072	0.158	--	10.2	10.7	220	1.7
12-03-2012	**1100**	.256	.062	.133	--	8.1	12.2	268	1.5
01-14-2013	**1200**	.406	.058	.343	--	128	3.92	138	1.1
02-21-2013	**0800**	.511	.061	.265	--	152	2.70	124	1.1
03-04-2013	**1300**	.608	.064	.241	--	166	3.13	127	.98
03-18-2013	**1100**	.364	.061	.178	--	148	3.29	145	.91
04-08-2013	**1300**	.444	.064	.241	--	117	2.84	132	1.1
04-22-2013	**1300**	.541	.082	.300	--	66.1	4.17	147	1.1
05-06-2013	**1300**	.562	.070	.290	--	92.9	2.66	130	1.3
05-20-2013	**1300**	.035	.078	.178	2.14	79.1	2.61	114	1.3
06-03-2013	**1300**	.185	.087	.204	2.43	52.7	2.83	128	1.4
06-17-2013	**1300**	.346	.096	.302	2.83	56.5	3.22	125	2.0
07-15-2013	**1300**	.526	.117	.311	3.21	28.8	3.50	141	1.9
08-19-2013	**1300**	.475	.099	.264	1.38	14.3	5.93	163	2.5

07374000 Mississippi River at Baton Rouge, LA—Continued

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Part 5 of 5
[$CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; 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]

Date	Sample start time	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	Organic carbon, suspended sediment, total, mg/L (00689)	Organic carbon, water, filtered, mg/L (00681)
10-22-2012	**1300**	1.7	82	0.59	2.00	3.48
12-03-2012	**1100**	1.4	91	.56	1.87	3.42
01-14-2013	**1200**	.95	38	.34	4.25	3.73
02-21-2013	**0800**	.81	29	.33	3.63	3.79
03-04-2013	**1300**	.81	31	.37	3.48	3.48
03-18-2013	**1100**	.76	35	.41	3.18	2.91
04-08-2013	**1300**	.85	30	.44	3.30	3.54
04-22-2013	**1300**	.97	32	.48	5.29	3.51
05-06-2013	**1300**	1.1	28	.51	5.88	4.30
05-20-2013	**1300**	1.2	27	.50	.44	3.96
06-03-2013	**1300**	1.5	28	.59	1.75	3.99
06-17-2013	**1300**	1.5	32	.53	4.54	4.60
07-15-2013	**1300**	1.5	33	.55	4.78	3.89
08-19-2013	**1300**	1.8	43	.50	4.09	3.75

WATER-QUALITY DATA
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[ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters]

Date	Sample start time	Discharge, instantaneous, ft^3/s (00061)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
10-22-2012	**1300**	152,000	100	44	18,100
12-03-2012	**1100**	159,000	99	32	13,700
01-14-2013	**1200**	503,000	93	288	391,000
02-21-2013	**0800**	648,000	81	152	266,000
03-04-2013	**1300**	524,000	80	169	239,000
03-18-2013	**1100**	541,000	77	110	161,000
04-08-2013	**1300**	622,000	83	133	223,000
04-22-2013	**1300**	633,000	79	169	289,000
05-06-2013	**1300**	891,000	75	209	503,000
05-20-2013	**1300**	972,000	52	104	273,000
06-03-2013	**1300**	888,000	61	106	254,000
06-17-2013	**1300**	837,000	74	191	432,000
07-15-2013	**1300**	638,000	94	164	283,000
08-19-2013	**1300**	433,000	96	154	180,000