

04213500 CATTARAUGUS CREEK AT GOWANDA, NY

Eastern Lake Erie Basin
Cattaraugus Subbasin

LOCATION.--Lat 42°27'48", long 78°56'04" referenced to North American Datum of 1927, Erie County, NY, Hydrologic Unit 04120102, on right bank 15 ft upstream from bridge on State Highways 39 and 62 at Gowanda, 4.2 mi downstream from South Branch, and 17.8 mi upstream from mouth.

DRAINAGE AREA.--436 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1939 to March 1998, October 1999 to current year.

REVISED RECORDS.--WSP 2112: Datum. WDR NY-71-1: 1956 (M). WDR NY-74-1: 1940-42 (M). WDR NY-82-3: Drainage area. WDR NY-09-3: 1990-98, 2000-08 (P).

GAGE.--Water-stage recorder. Datum of gage is 738.85 ft above NGVD of 1929. Prior to Oct. 1, 1969, at datum 0.11 ft lower. Prior to May 29, 2011 at location 470 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low and medium flow caused by powerplant 20 mi upstream from station. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s, Mar. 7, 1956, gage height, 14.03 ft; minimum discharge, about 6 ft³/s, Aug. 21, 1941, result of regulation; minimum gage height, 0.90 ft, Oct. 26, 1951.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 1	1115	13,500	8.93
Feb 28	1500	9,930	7.73
Mar 6	0630	11,800	8.39
Mar 11	0330	*15,800	*9.63
Apr 5	0345	8,100	7.04
Apr 20	0930	9,010	7.39
Apr 23	1100	8,230	7.09
May 3	1630	8,350	7.14

Minimum discharge, 140 ft³/s, July 23, Sept. 19, gage height, 1.40 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,280	432	9,360	4,330	e410	3,790	990	1,020	e860	334	191	233
2	650	392	3,500	3,220	e450	1,870	1,040	1,060	665	309	189	200
3	791	373	1,690	1,360	e450	e1,040	1,090	4,380	612	295	334	175
4	681	361	1,240	981	e460	983	3,500	3,690	661	281	399	166
5	1,470	431	1,040	825	e480	3,030	5,950	1,770	678	268	212	216
6	2,060	515	e860	682	e530	8,090	2,440	1,260	543	255	183	217
7	1,260	425	e780	e620	521	2,720	2,210	1,050	552	251	177	196
8	758	384	e730	e540	493	1,620	1,750	917	509	241	180	189
9	558	355	e680	e500	e400	1,370	1,290	798	453	236	285	183
10	457	337	658	e450	e360	4,430	1,120	709	418	225	537	171
11	408	319	665	e520	e370	9,220	1,060	650	440	218	248	172
12	420	299	941	e500	e400	2,820	938	612	534	209	189	182
13	377	288	1,550	e450	485	2,170	1,350	589	472	214	168	230
14	345	290	e800	e420	e540	1,540	1,220	2,080	397	198	250	173
15	355	287	e720	e406	e590	1,290	924	1,970	380	190	282	203
16	334	285	e670	e406	e620	1,820	893	2,650	370	185	238	193
17	316	803	e640	e400	e750	1,940	1,280	1,310	428	180	190	164
18	290	1,090	e620	e500	e4,500	3,650	1,020	1,110	360	175	166	152
19	279	889	571	580	3,720	2,650	890	2,890	329	175	158	145
20	273	627	e550	542	1,560	1,510	5,620	1,530	331	168	157	163
21	353	504	e530	e460	e1,080	3,620	2,300	1,100	323	163	265	153
22	476	793	e510	e380	e740	2,400	1,390	858	1,350	153	323	223
23	424	2,470	e500	e360	e700	1,680	4,760	787	1,030	144	207	191
24	395	1,140	e490	e340	e700	1,410	3,170	e3,000	1,260	158	175	232
25	378	768	e480	e540	672	1,190	1,980	e1,150	1,240	223	1,650	179
26	434	1,770	e460	565	e580	1,010	4,240	e1,910	692	283	487	160
27	1,130	1,200	e460	525	594	908	2,290	e980	518	181	293	150
28	689	852	e460	511	5,620	835	2,200	e990	456	170	234	467
29	770	700	e470	507	---	803	1,420	e1,010	488	467	202	318
30	617	1,050	e500	493	---	846	1,190	e950	389	266	183	249
31	499	---	e660	424	---	1,010	---	e1,000	---	195	170	---
Total	19,527	20,429	33,785	23,337	28,775	73,265	61,515	45,780	17,738	7,010	8,922	6,045
Mean	630	681	1,090	753	1,028	2,363	2,050	1,477	591	226	288	202
Max	2,060	2,470	9,360	4,330	5,620	9,220	5,950	4,380	1,350	467	1,650	467
Min	273	285	460	340	360	803	890	589	323	144	157	145
Cfsm	1.44	1.56	2.50	1.73	2.36	5.42	4.70	3.39	1.36	0.52	0.66	0.46
In.	1.67	1.74	2.88	1.99	2.46	6.25	5.25	3.91	1.51	0.60	0.76	0.52

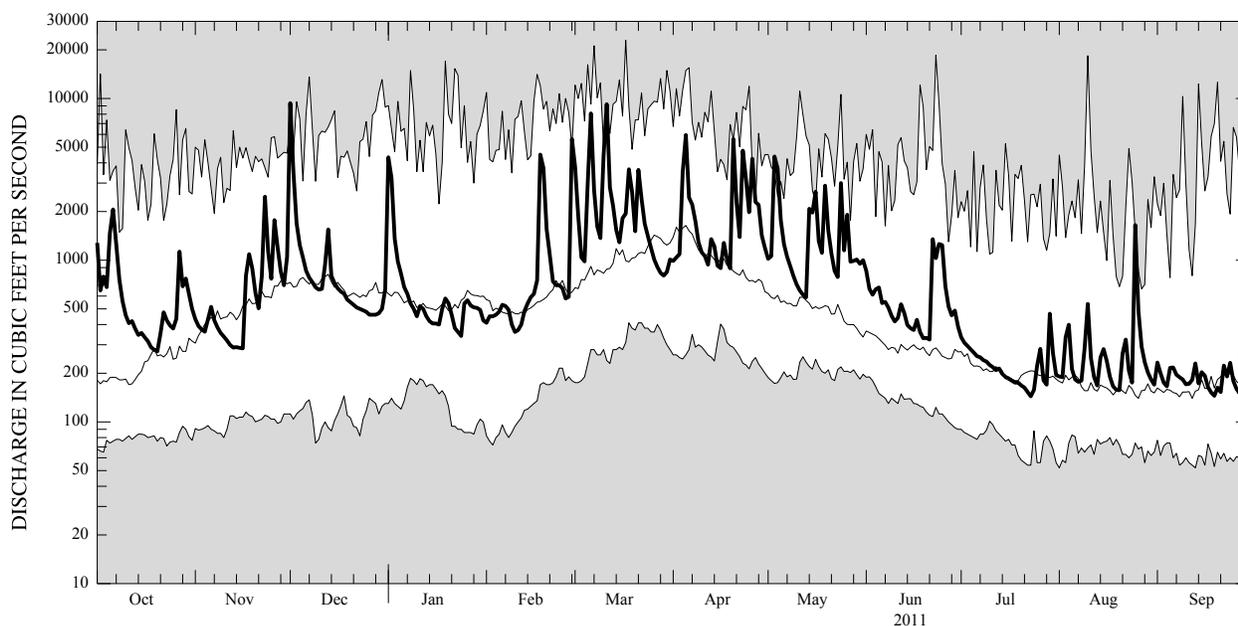
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	432	728	997	880	956	1,609	1,432	743	484	307	272	332
Max	1,780	1,772	2,168	2,305	2,819	3,824	3,686	1,948	1,436	867	1,520	2,423
(WY)	(2007)	(1986)	(2009)	(1998)	(1976)	(1945)	(1947)	(1943)	(1989)	(1986)	(2009)	(1977)
Min	81.8	118	111	136	222	790	279	283	143	78.3	79.5	85.8
(WY)	(1964)	(1961)	(1961)	(1961)	(1963)	(2001)	(1946)	(1941)	(1955)	(1955)	(1941)	(1960)

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1940 - 2011	
Annual total	257,469		346,128			
Annual mean	705		948		760	
Highest annual mean					1,030	1977
Lowest annual mean					532	1995
Highest daily mean	9,360	Dec 1	9,360	Dec 1	22,900	Mar 17, 1942
Lowest daily mean	146	Sep 2	144	Jul 23	52	Sep 13, 1945
Annual seven-day minimum	165	Aug 15	162	Jul 18	57	Sep 7, 1945
Annual runoff (cfsm)	1.62		2.17		1.74	
Annual runoff (inches)	21.97		29.53		23.69	
10 percent exceeds	1,220		2,120		1,620	
50 percent exceeds	475		530		438	
90 percent exceeds	207		187		130	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 2011 to September 2011.

CHEMICAL DATA: Water year 2011 (d).

NUTRIENT DATA: Water year 2011 (d).

INORGANIC DATA: Water year 2011 (a).

ORGANIC DATA: Water year 2011 (a).

SEDIMENT DATA: Water year 2011 (d).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 2011 to September 2011.

SPECIFIC CONDUCTANCE: June 2011 to September 2011.

pH: June 2011 to September 2011.

DISSOLVED OXYGEN: June 2011 to September 2011.

TURBIDITY: June 2011 to September 2011.

INSTRUMENTATION.--ISCO refrigerated automatic sampler since June 2011. A YSI 6920-V2 continuous monitor with water temperature, specific conductance, pH, dissolved oxygen and turbidity since June 2011 provides 15-minute-interval readings.

COOPERATION.--In cooperation with the U.S. Environmental Protection Agency's Great Lakes Restoration Initiative (GLRI).

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.0°C, July 22, 2011; minimum, 13.5°C, Sept. 16, 17, 2011.

SPECIFIC CONDUCTANCE: Maximum, 590 $\mu\text{S}/\text{cm}$ @ 25°C, Sept. 20, 21, 2011; minimum, 191 $\mu\text{S}/\text{cm}$ @ 25°C, Aug. 25 2011.

pH: Maximum, 8.7, on several days; minimum, 8.1, June 22, July 29, Aug. 25, 2011.

DISSOLVED OXYGEN: Maximum, 10.7 mg/L, Sept. 16, 17, 2011; minimum, 6.8 mg/L, July 21, 22, 2011.

TURBIDITY: Maximum, >1,260 FNU, Aug. 25, 2011; minimum, 6.0 FNU, July 6, 2011.[>, actual value is known to be greater than the value shown].

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 33.0°C, July 22; minimum, 13.5°C, Sept. 16, 17.

SPECIFIC CONDUCTANCE: Maximum, 590 $\mu\text{S}/\text{cm}$ @ 25°C, Sept. 20, 21; minimum, 191 $\mu\text{S}/\text{cm}$ @ 25°C, Aug. 25.

pH: Maximum, 8.7, on several days; minimum, 8.1, June 22, July 29, Aug. 25.

DISSOLVED OXYGEN: Maximum, 10.7 mg/L, Sept. 16, 17; minimum, 6.8 mg/L, July 21, 22.

TURBIDITY: Maximum, >1,260 FNU, Aug. 25; minimum, 6 FNU, July 6 [>, actual value is known to be greater than the value shown].

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
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04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

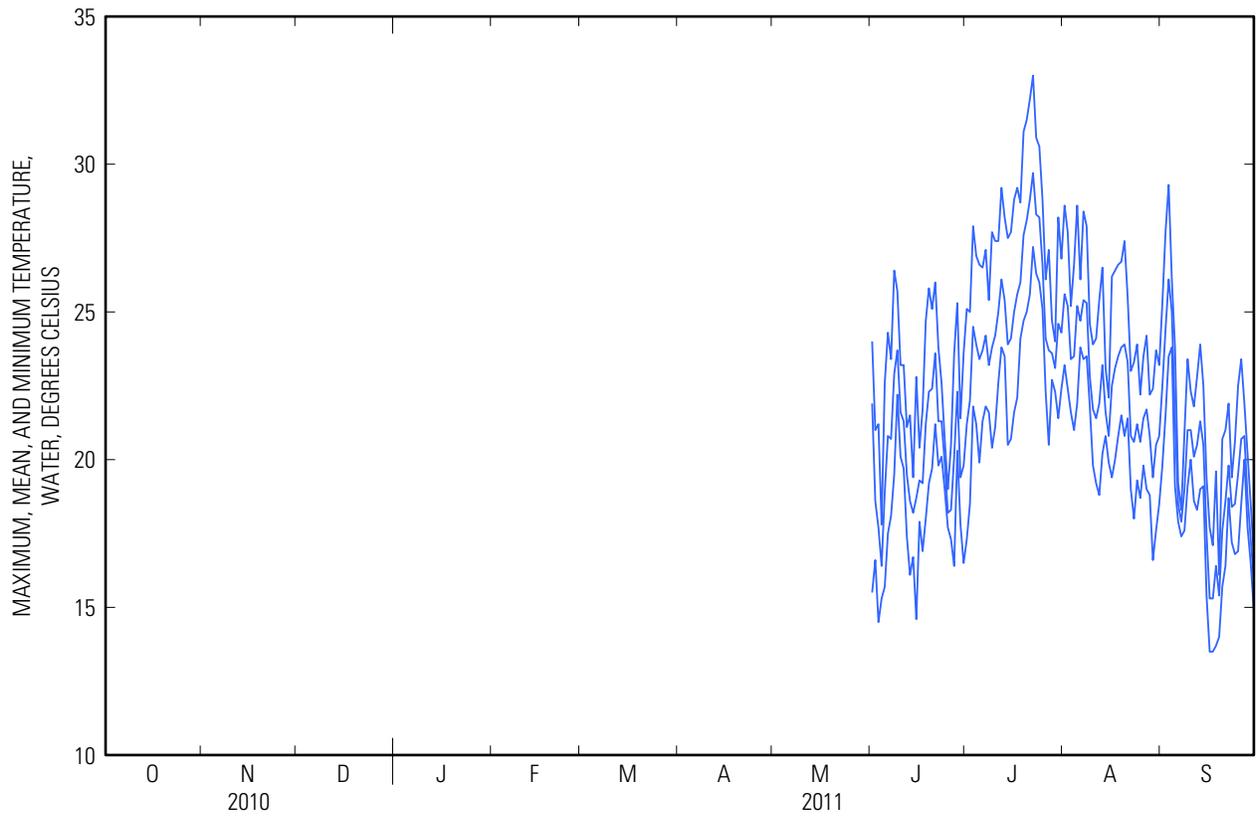
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
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04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	24.0	15.5	21.9	25.1	17.3	21.2	28.6	23.2	25.6	25.3	19.8	22.5
2	21.0	16.6	18.6	25.0	18.5	22.0	27.7	22.4	25.2	27.7	21.5	24.4
3	21.2	14.5	17.7	27.9	21.8	24.5	25.2	21.6	23.4	29.3	23.5	26.1
4	17.8	15.3	16.4	26.9	21.2	23.9	26.6	21.0	23.5	26.1	23.8	25.0
5	22.6	15.7	18.9	26.6	19.9	23.4	28.6	21.9	25.2	23.8	19.1	21.4
6	24.3	17.5	20.8	26.5	21.3	23.7	26.1	23.8	24.7	19.2	17.9	18.5
7	23.4	18.1	20.7	27.1	21.8	24.2	28.4	23.4	25.4	18.3	17.4	17.9
8	26.4	19.5	22.9	25.4	21.6	23.2	27.9	23.5	25.3	20.9	17.6	19.0
9	25.7	22.2	23.7	27.7	20.4	23.8	24.6	21.8	22.8	23.4	19.1	21.0
10	23.2	20.1	21.6	27.4	21.1	24.2	23.9	19.8	21.7	22.3	20.0	21.0
11	23.2	19.7	21.3	27.4	22.6	25.0	24.1	19.2	21.4	21.8	18.6	20.1
12	21.1	17.4	19.5	29.2	23.8	26.1	25.4	18.8	21.9	22.8	18.3	20.5
13	21.5	16.1	18.6	28.2	23.5	25.4	26.5	20.2	23.2	23.9	19.0	21.3
14	19.4	16.7	18.2	27.5	20.5	23.9	23.1	20.8	21.6	22.5	19.1	20.5
15	22.8	14.6	18.7	27.7	20.7	24.1	22.1	19.9	20.8	19.4	15.4	17.5
16	20.4	17.9	19.3	28.8	21.6	25.0	26.2	19.4	22.5	17.7	13.5	15.3
17	21.7	16.9	19.2	29.2	22.1	25.6	26.4	20.0	23.1	17.1	13.5	15.3
18	24.7	18.0	21.2	28.7	24.1	26.0	26.6	20.8	23.5	19.6	13.7	16.4
19	25.8	19.2	22.3	31.1	24.7	27.6	26.7	21.5	23.8	16.1	14.0	15.4
20	25.1	19.7	22.4	31.5	25.0	28.1	27.4	20.8	23.9	20.7	15.7	17.6
21	26.0	21.2	23.6	32.2	25.6	28.8	25.5	21.4	23.3	21.0	16.4	18.6
22	23.8	19.8	21.3	33.0	27.2	29.7	23.0	19.0	20.8	21.9	18.7	19.8
23	22.6	20.1	21.3	30.9	26.3	28.3	23.3	18.0	20.6	19.4	17.2	18.4
24	20.7	19.0	19.9	30.6	26.0	28.2	23.9	19.3	21.2	20.6	16.8	18.5
25	19.0	17.7	18.2	28.8	25.1	26.6	22.2	18.7	20.6	22.5	16.9	19.5
26	20.5	17.3	18.3	26.1	22.3	24.1	23.5	19.8	21.4	23.4	18.5	20.7
27	23.6	16.4	20.1	27.1	20.5	23.7	24.2	19.0	21.7	21.9	20.0	20.8
28	25.3	20.3	22.3	24.7	22.7	23.6	22.2	18.8	20.8	20.2	17.7	18.7
29	21.4	17.8	19.4	24.0	22.3	23.1	22.4	16.6	19.4	18.5	16.5	17.3
30	23.6	16.5	19.8	28.2	21.4	24.6	23.7	17.6	20.5	16.7	14.9	15.9
31	---	---	---	26.8	22.4	24.3	23.2	18.5	20.8	---	---	---
Month	26.4	14.5	20.3	33.0	17.3	25.0	28.6	16.6	22.6	29.3	13.5	19.5

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued



04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
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Month	---	---	---	---	---	---	---	---	---	---	---	---

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

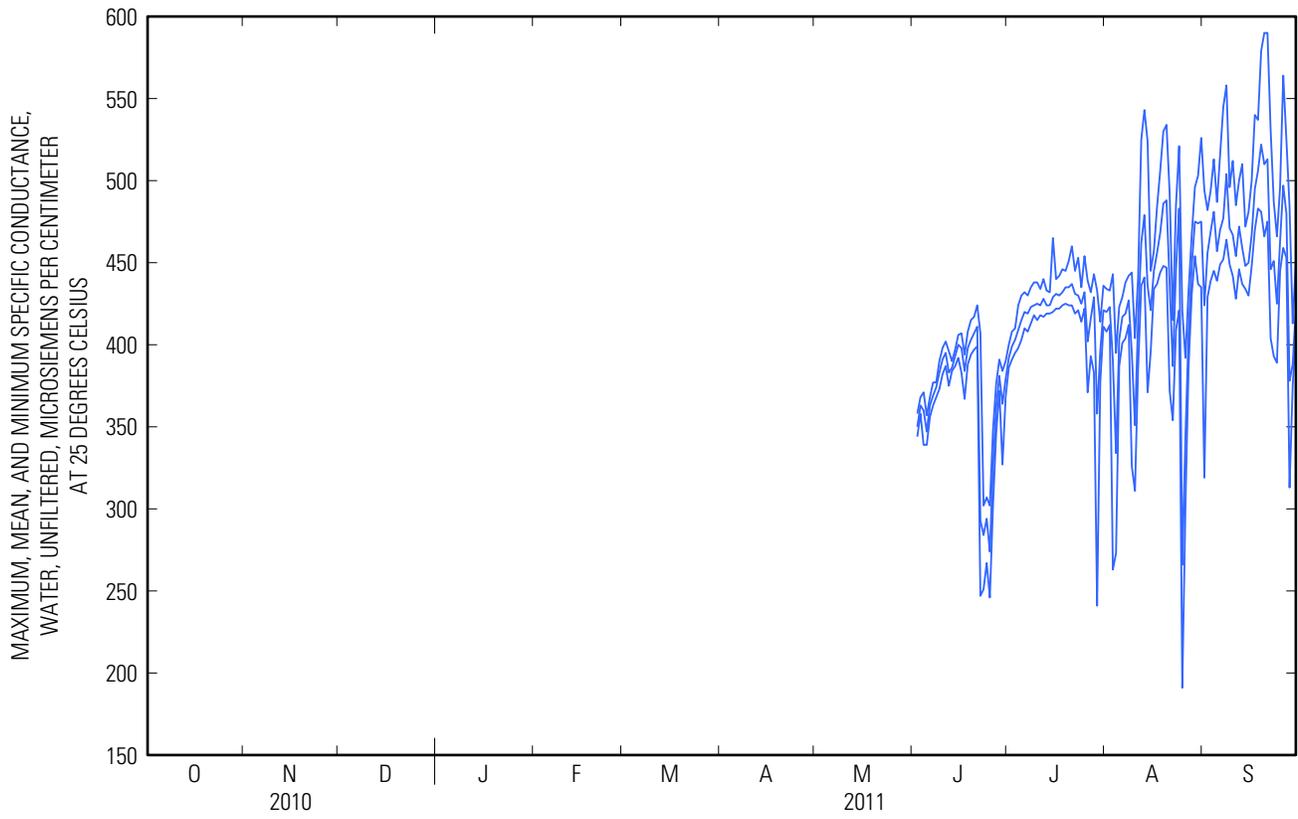
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
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Month	---	---	---	---	---	---	---	---	---	---	---	---

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	400	386	392	434	408	420	494	319	424
2	358	344	350	408	391	399	433	412	423	482	429	456
3	368	358	363	410	395	403	443	263	390	494	439	469
4	371	339	360	424	398	409	395	273	334	513	445	481
5	357	339	347	430	403	415	423	387	403	487	439	457
6	368	356	363	432	410	420	429	401	417	516	449	470
7	377	363	369	430	408	419	438	404	419	545	452	477
8	377	368	374	435	413	423	442	412	427	558	464	504
9	390	373	383	438	418	424	444	326	395	496	449	471
10	398	382	391	438	415	425	404	311	351	512	442	467
11	402	387	395	434	418	424	441	386	415	485	428	454
12	396	375	383	440	417	428	525	436	462	500	446	472
13	390	384	386	433	419	424	543	441	479	510	437	459
14	397	387	393	432	419	424	524	371	436	472	434	448
15	406	392	400	465	420	429	445	396	421	481	430	450
16	407	383	398	440	422	431	457	434	445	500	448	467
17	394	367	384	442	422	430	484	437	456	540	470	495
18	408	388	398	446	424	432	506	444	468	537	483	506
19	415	394	403	445	425	435	530	448	486	579	481	522
20	417	397	407	451	424	435	534	447	488	590	466	510
21	424	399	411	460	424	437	492	372	437	590	475	513
22	407	247	293	445	419	431	415	354	387	531	404	446
23	302	251	284	453	421	430	485	409	446	487	393	451
24	307	267	294	435	414	425	521	421	483	466	389	425
25	302	246	274	454	422	432	421	191	266	496	445	463
26	348	302	326	439	371	402	392	302	344	564	459	497
27	376	346	362	432	393	416	433	387	408	525	453	480
28	391	372	381	443	383	429	467	431	448	484	313	378
29	384	327	364	433	241	358	496	454	475	413	375	388
30	390	368	379	414	377	396	503	437	474	451	409	423
31	---	---	---	436	411	421	526	435	475	---	---	---
Month	---	---	---	465	241	419	543	191	425	590	313	464

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

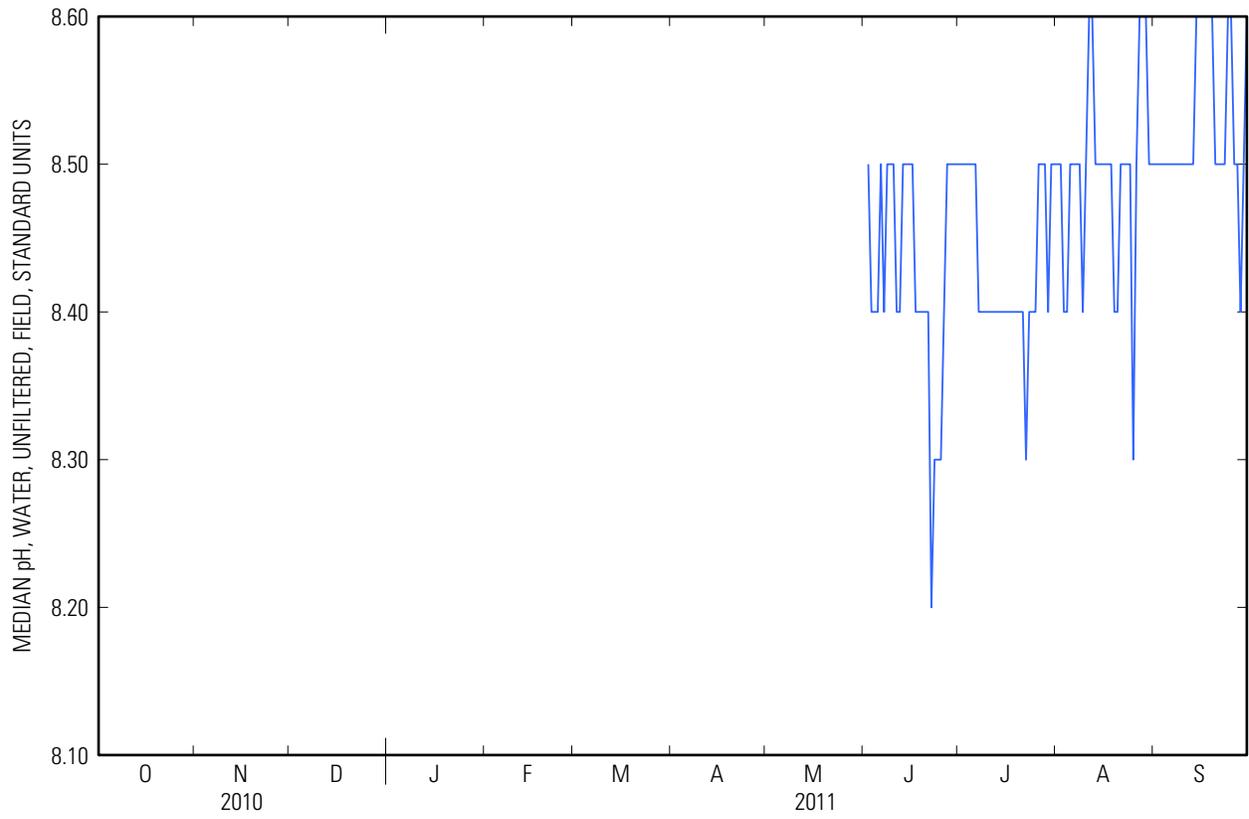


04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
 WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
 DAILY MEDIAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
2	---	---	---	---	---	---	---	---	8.5	8.5	8.5	8.5
3	---	---	---	---	---	---	---	---	8.4	8.5	8.4	8.5
4	---	---	---	---	---	---	---	---	8.4	8.5	8.4	8.5
5	---	---	---	---	---	---	---	---	8.4	8.5	8.5	8.5
6	---	---	---	---	---	---	---	---	8.5	8.5	8.5	8.5
7	---	---	---	---	---	---	---	---	8.4	8.4	8.5	8.5
8	---	---	---	---	---	---	---	---	8.5	8.4	8.5	8.5
9	---	---	---	---	---	---	---	---	8.5	8.4	8.4	8.5
10	---	---	---	---	---	---	---	---	8.5	8.4	8.5	8.5
11	---	---	---	---	---	---	---	---	8.4	8.4	8.6	8.5
12	---	---	---	---	---	---	---	---	8.4	8.4	8.6	8.5
13	---	---	---	---	---	---	---	---	8.5	8.4	8.5	8.5
14	---	---	---	---	---	---	---	---	8.5	8.4	8.5	8.6
15	---	---	---	---	---	---	---	---	8.5	8.4	8.5	8.6
16	---	---	---	---	---	---	---	---	8.5	8.4	8.5	8.6
17	---	---	---	---	---	---	---	---	8.4	8.4	8.5	8.6
18	---	---	---	---	---	---	---	---	8.4	8.4	8.5	8.6
19	---	---	---	---	---	---	---	---	8.4	8.4	8.4	8.6
20	---	---	---	---	---	---	---	---	8.4	8.4	8.4	8.5
21	---	---	---	---	---	---	---	---	8.4	8.4	8.5	8.5
22	---	---	---	---	---	---	---	---	8.2	8.3	8.5	8.5
23	---	---	---	---	---	---	---	---	8.3	8.4	8.5	8.5
24	---	---	---	---	---	---	---	---	8.3	8.4	8.5	8.6
25	---	---	---	---	---	---	---	---	8.3	8.4	8.3	8.6
26	---	---	---	---	---	---	---	---	8.4	8.5	8.5	8.5
27	---	---	---	---	---	---	---	---	8.5	8.5	8.6	8.5
28	---	---	---	---	---	---	---	---	8.5	8.5	8.6	8.4
29	---	---	---	---	---	---	---	---	8.5	8.4	8.6	8.5
30	---	---	---	---	---	---	---	---	8.5	8.5	8.5	8.6
31	---	---	---	---	---	---	---	---	---	8.5	8.5	---
Max	---	---	---	---	---	---	---	---	---	8.5	8.6	8.6
Min	---	---	---	---	---	---	---	---	---	8.3	8.3	8.4
Med	---	---	---	---	---	---	---	---	---	8.4	8.5	8.5

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued



04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
 WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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Month	---	---	---	---	---	---	---	---	---	---	---	---

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

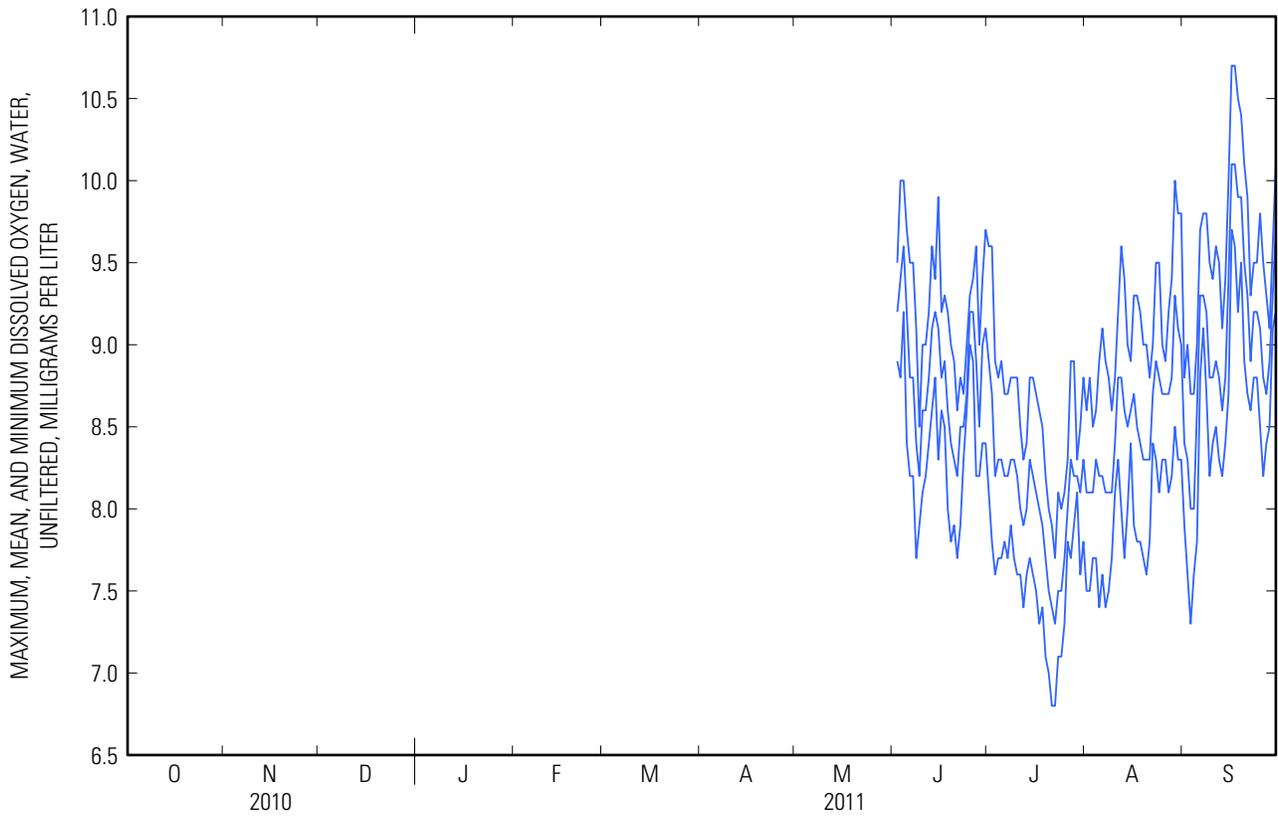
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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Month	---	---	---	---	---	---	---	---	---	---	---	---

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	9.6	8.1	8.9	8.6	7.5	8.1	8.8	7.9	8.4
2	9.5	8.9	9.2	9.6	7.8	8.7	8.8	7.5	8.1	9.0	7.6	8.3
3	10.0	8.8	9.4	8.9	7.6	8.2	8.5	7.7	8.1	8.7	7.3	8.0
4	10.0	9.2	9.6	8.8	7.7	8.3	8.6	7.7	8.3	8.7	7.6	8.0
5	9.7	8.4	9.2	8.9	7.7	8.3	8.9	7.4	8.2	9.0	7.8	8.6
6	9.5	8.2	8.8	8.7	7.8	8.2	9.1	7.6	8.2	9.7	8.8	9.3
7	9.5	8.2	8.8	8.7	7.7	8.2	8.9	7.4	8.1	9.8	9.1	9.3
8	9.1	7.7	8.4	8.8	7.9	8.3	8.8	7.5	8.1	9.8	8.7	9.2
9	8.5	7.9	8.2	8.8	7.7	8.3	8.6	7.7	8.1	9.5	8.2	8.8
10	9.0	8.1	8.6	8.8	7.6	8.2	8.8	8.1	8.4	9.4	8.4	8.8
11	9.0	8.2	8.6	8.5	7.6	8.0	9.2	8.3	8.8	9.6	8.5	8.9
12	9.2	8.4	8.8	8.3	7.4	7.9	9.6	8.0	8.8	9.5	8.3	8.8
13	9.6	8.6	9.1	8.4	7.6	8.0	9.4	7.7	8.6	9.1	8.2	8.6
14	9.4	8.8	9.2	8.8	7.7	8.3	9.0	8.0	8.5	9.4	8.4	8.8
15	9.9	8.3	9.1	8.8	7.6	8.2	8.9	8.4	8.6	10.0	8.7	9.4
16	9.2	8.6	8.8	8.7	7.5	8.1	9.3	7.9	8.7	10.7	9.7	10.1
17	9.3	8.5	8.9	8.6	7.3	8.0	9.3	7.8	8.5	10.7	9.6	10.1
18	9.2	8.0	8.6	8.5	7.4	7.9	9.2	7.8	8.4	10.5	9.2	9.9
19	9.0	7.8	8.4	8.2	7.1	7.7	9.0	7.7	8.3	10.4	9.5	9.9
20	8.9	7.9	8.3	8.0	7.0	7.5	9.0	7.6	8.3	10.1	8.9	9.5
21	8.6	7.7	8.2	7.9	6.8	7.4	8.8	7.8	8.3	9.9	8.7	9.3
22	8.8	7.9	8.5	7.7	6.8	7.3	9.0	8.4	8.7	9.3	8.6	8.9
23	8.7	8.3	8.5	8.1	7.1	7.5	9.5	8.3	8.9	9.5	8.8	9.2
24	9.0	8.6	8.7	8.0	7.1	7.5	9.5	8.1	8.8	9.5	8.8	9.2
25	9.3	9.0	9.2	8.1	7.3	7.7	9.0	8.3	8.7	9.8	8.5	9.1
26	9.4	8.9	9.2	8.3	7.8	8.0	8.9	8.3	8.7	9.5	8.2	8.8
27	9.6	8.2	8.9	8.9	7.7	8.3	9.2	8.1	8.7	9.3	8.4	8.7
28	9.0	8.2	8.5	8.9	7.9	8.2	9.4	8.2	8.8	9.1	8.5	8.9
29	9.4	8.4	9.0	8.3	8.1	8.2	10.0	8.5	9.3	9.6	9.1	9.3
30	9.7	8.4	9.1	8.5	7.6	8.1	9.8	8.3	9.1	10.1	9.2	9.7
31	---	---	---	8.8	7.8	8.3	9.8	8.3	9.0	---	---	---
Month	---	---	---	9.6	6.8	8.1	10.0	7.4	8.5	10.7	7.3	9.1

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued



04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
 WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
 WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

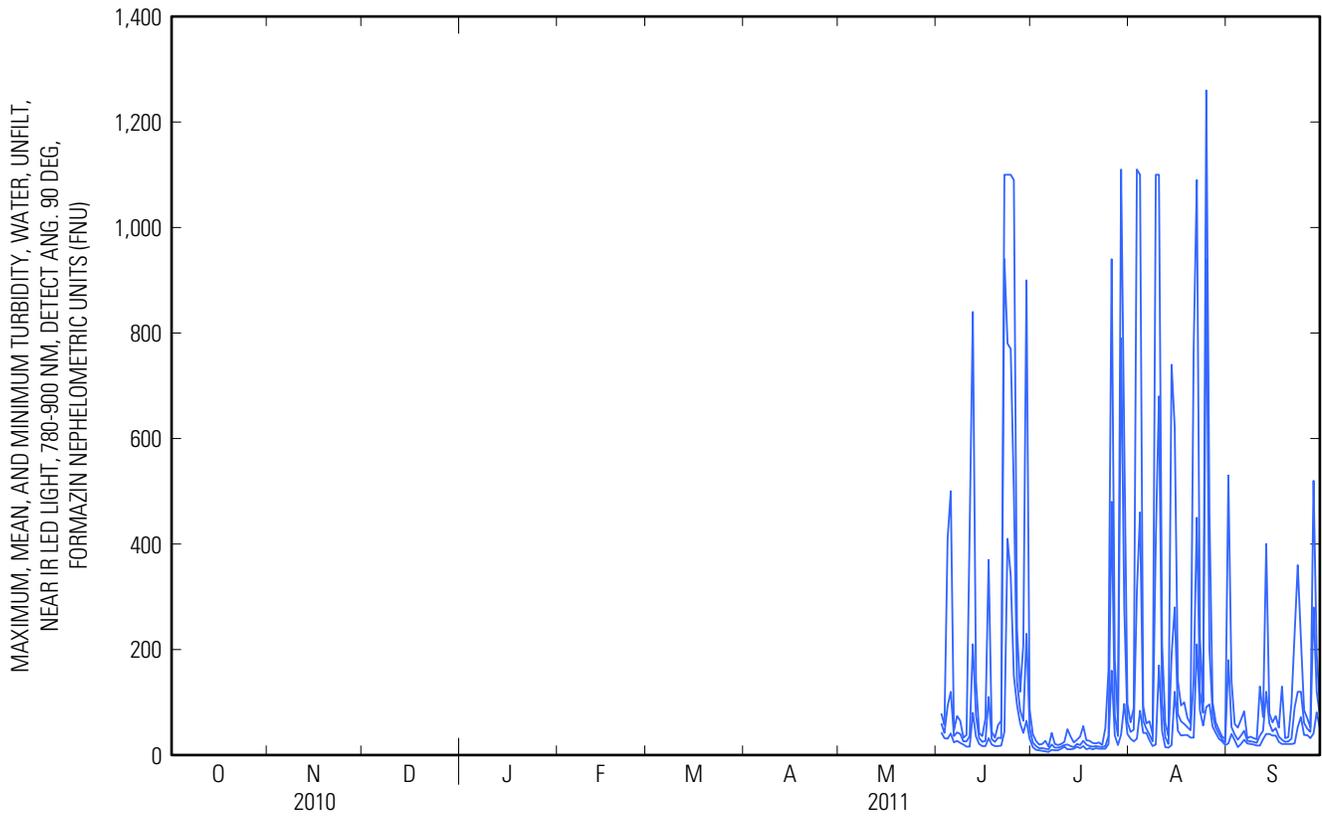
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	40	15	24	62	31	44	530	22	180
2	79	43	60	27	10	17	89	26	48	140	40	53
3	57	32	42	20	9.0	13	>1,110	31	310	59	28	39
4	410	31	93	21	8.0	13	>1,100	84	460	52	15	29
5	500	41	120	27	7.0	12	93	42	65	67	21	37
6	47	24	36	16	6.0	11	60	42	50	83	29	46
7	74	27	43	42	10	20	64	28	39	32	22	27
8	65	23	40	21	9.0	14	39	17	26	35	21	26
9	33	20	26	19	9.0	14	>1,100	20	410	32	20	25
10	38	16	26	21	12	16	>1,100	170	680	30	18	23
11	430	16	36	25	16	19	210	45	100	130	18	37
12	840	80	210	49	11	20	61	15	34	72	30	46
13	140	35	75	35	11	17	36	14	21	400	40	120
14	42	21	32	24	12	15	740	19	190	79	40	60
15	36	17	25	29	16	21	620	120	280	62	37	45
16	70	17	27	35	13	19	140	46	78	74	37	51
17	370	32	110	55	17	27	94	37	64	52	25	35
18	44	20	30	28	11	20	100	38	59	130	21	29
19	33	17	25	27	13	17	71	38	53	32	21	25
20	57	17	33	23	11	16	59	33	47	34	21	26
21	65	18	32	22	13	17	770	33	140	98	21	31
22	>1,100	44	940	24	12	16	>1,090	210	450	230	22	90
23	>1,100	410	780	19	12	15	220	84	120	360	53	120
24	>1,100	340	770	51	12	17	100	56	80	220	72	120
25	>1,090	150	500	160	21	36	>1,260	91	940	85	38	61
26	240	95	140	940	160	480	460	96	200	70	38	50
27	120	60	85	180	37	76	100	54	77	53	32	44
28	210	42	65	64	19	36	62	42	52	520	41	280
29	900	65	230	>1,110	39	790	48	31	40	190	81	120
30	87	31	51	590	97	280	35	26	30	92	51	75
31	---	---	---	97	40	63	31	19	24	---	---	---
Month	---	---	---	>1,110	6	70	>1,260	10	168	530	20	60

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued



04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25 °C (90095)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)
02-28-2011	1710	9,300	--	--	8.1	208	--	.5	--
03-01-2011	1000	3,640	--	--	--	214	--	1.5	--
04-25-2011	1525	1,690	--	--	8.2	276	190	9.7	--
04-26-2011	0000	4,610	--	--	--	254	--	--	--
04-26-2011	0115	5,640	--	--	--	262	--	--	--
04-26-2011	0230	5,870	--	--	--	259	--	--	--
04-26-2011	0900	4,710	--	--	--	224	--	--	--
04-26-2011	1115	4,000	--	--	--	214	--	--	--
06-01-2011	1100	893	8.4	8.4	8.5	342	336	22.9	83
07-06-2011	1000	251	8.7	8.5	8.5	433	420	22.6	10
08-02-2011	1500	192	8.4	8.5	--	--	430	27.7	34
08-09-2011	1200	483	8.3	8.4	8.1	359	366	22.1	430
09-07-2011	1300	195	9.7	8.6	--	--	468	18.1	24

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	Gage height, ft (00065)	Bisphenol A-d3, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62839)	Caffeine-13C, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62840)	Deca-fluoro-biphenyl, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62841)	Fluor-anthene-d10, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62842)	Sample volume, Schedule 4433 and Labcode 8033 (WWWW), milliliters (99963)	Sampling method (82398)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)
02-28-2011	1710	7.52	--	--	--	--	--	EWI	22.2	3.16
03-01-2011	1000	4.97	--	--	--	--	--	EWI	--	--
04-25-2011	1525	3.61	--	--	--	--	--	EWI	35.4	5.76
04-26-2011	0000	5.49	--	--	--	--	--	EWI	--	--
04-26-2011	0115	5.99	--	--	--	--	--	EWI	--	--
04-26-2011	0230	6.10	--	--	--	--	--	EWI	--	--
04-26-2011	0900	5.54	--	--	--	--	--	EWI	--	--
04-26-2011	1115	5.17	--	--	--	--	--	EWI	--	--
06-01-2011	1100	2.72	--	--	--	--	--	EWI	47.7	8.13
07-06-2011	1000	1.75	--	--	--	--	--	EWI	55.8	10.7
08-02-2011	1500	1.57	114	112	67.4	117	963	EWI	--	--
08-09-2011	1200	2.21	--	--	--	--	--	EWI	43.0	9.27
09-07-2011	1300	1.58	--	--	--	--	--	EWI	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Sulfate, water, filtered, mg/L (00945)	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)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)
02-28-2011	1710	20.5	.121	20.1	.0288	.774	.00245	.00915	1.36
03-01-2011	1000	20.1	--	--	.0375	.766	.00313	.00935	.349
04-25-2011	1525	18.0	.047	15.7	.0195	.742	.00181	.00814	.0722
04-26-2011	0000	13.8	--	--	.0120	.585	.002	.00782	.482
04-26-2011	0115	13.5	--	--	.0233	.514	.00214	.00935	.707
04-26-2011	0230	14.5	--	--	.0198	.465	.00343	.00921	.952
04-26-2011	0900	12.1	--	--	.0174	.449	.00197	.00859	.602
04-26-2011	1115	12.0	--	--	.0160	.418	.00201	.00854	.521
06-01-2011	1100	20.8	.078	18.8	.0137	.803	.00501	.00524	.0397
07-06-2011	1000	30.7	.065	23.2	.0120	.968	.0067	.00505	.0087
08-02-2011	1500	--	--	--	--	--	--	--	--
08-09-2011	1200	22.4	.072	26.8	.0203	.525	.00641	< .004	.701
09-07-2011	1300	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	1,4-							
		Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	Atrazine, water, unfiltered, recoverable, µg/L (39630)	Bromacil, water, unfiltered, recoverable, µg/L (30234)	Camphor, water, unfiltered, recoverable, µg/L (62817)	Carbaryl, water, unfiltered, recoverable, µg/L (39750)	Carbazole, water, unfiltered, recoverable, µg/L (77571)	Chlorpyrifos, water, unfiltered, recoverable, µg/L (38932)
02-28-2011	1710	1.43	--	--	--	--	--	--	--
03-01-2011	1000	1.20	--	--	--	--	--	--	--
04-25-2011	1525	1.05	--	--	--	--	--	--	--
04-26-2011	0000	1.32	--	--	--	--	--	--	--
04-26-2011	0115	1.34	--	--	--	--	--	--	--
04-26-2011	0230	1.66	--	--	--	--	--	--	--
04-26-2011	0900	1.23	--	--	--	--	--	--	--
04-26-2011	1115	1.12	--	--	--	--	--	--	--
06-01-2011	1100	1.08	--	--	--	--	--	--	--
07-06-2011	1000	1.06	--	--	--	--	--	--	--
08-02-2011	1500	--	< .08	.027	< .16	.032	< .06	.008	< .32
08-09-2011	1200	1.64	--	--	--	--	--	--	E .022
09-07-2011	1300	--	--	--	--	--	--	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	Diazinon, water, unfiltered, recoverable, µg/L (39570)	Dichlorvos, water, unfiltered, recoverable, µg/L (30218)	Metalaxyl, water, unfiltered, recoverable, µg/L (04254)	Metolachlor, water, unfiltered, recoverable, µg/L (82612)	p-Cresol, water, unfiltered, recoverable, µg/L (77146)	Pentachlorophenol, water, unfiltered, recoverable, µg/L (39032)	Prometon, water, unfiltered, recoverable, µg/L (39056)	1-Methylnaphthalene, water, unfiltered, recoverable, µg/L (81696)	2,6-Dimethylnaphthalene, water, unfiltered, recoverable, µg/L (62805)
02-28-2011	1710	--	--	--	--	--	--	--	--	--
03-01-2011	1000	--	--	--	--	--	--	--	--	--
04-25-2011	1525	--	--	--	--	--	--	--	--	--
04-26-2011	0000	--	--	--	--	--	--	--	--	--
04-26-2011	0115	--	--	--	--	--	--	--	--	--
04-26-2011	0230	--	--	--	--	--	--	--	--	--
04-26-2011	0900	--	--	--	--	--	--	--	--	--
04-26-2011	1115	--	--	--	--	--	--	--	--	--
06-01-2011	1100	--	--	--	--	--	--	--	--	--
07-06-2011	1000	--	--	--	--	--	--	--	--	--
08-02-2011	1500	< .32	< .08	< .16	.009	< .08	< 1.60	< .16	< .04	< .04
08-09-2011	1200	--	--	--	--	--	--	--	--	--
09-07-2011	1300	--	--	--	--	--	--	--	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	2-Methyl-naphthalene, water, unfiltered, recoverable, µg/L (30194)	3,4-Di-chloro-phenyl isocyanate, water, unfiltered, recoverable, µg/L (63145)	3-beta-Coprostanol, water, unfiltered, recoverable, µg/L (62806)	3-Methyl-1H-indole, water, unfiltered, recoverable, µg/L (62807)	3-tert-Butyl-4-hydroxy-anisole, water, unfiltered, recoverable, µg/L (61702)	4-Cumyl-phenol, water, unfiltered, recoverable, µg/L (62808)	4-n-Octyl-phenol, water, unfiltered, recoverable, µg/L (62809)	4-Nonyl-phenol (sum of all isomers), water, unfiltered, recoverable, µg/L (62829)	4-Nonyl-phenol diethoxylate (sum of all isomers), water, unfiltered, recoverable, µg/L (61703)
02-28-2011	1710	--	--	--	--	--	--	--	--	--
03-01-2011	1000	--	--	--	--	--	--	--	--	--
04-25-2011	1525	--	--	--	--	--	--	--	--	--
04-26-2011	0000	--	--	--	--	--	--	--	--	--
04-26-2011	0115	--	--	--	--	--	--	--	--	--
04-26-2011	0230	--	--	--	--	--	--	--	--	--
04-26-2011	0900	--	--	--	--	--	--	--	--	--
04-26-2011	1115	--	--	--	--	--	--	--	--	--
06-01-2011	1100	--	--	--	--	--	--	--	--	--
07-06-2011	1000	--	--	--	--	--	--	--	--	--
08-02-2011	1500	< .04	< .32	< 1.6	< .04	< .16	< .04	< .02	< 1.6	< 1.60
08-09-2011	1200	--	--	--	--	--	--	--	--	--
09-07-2011	1300	--	--	--	--	--	--	--	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	4-Nonyl-phenol mono-ethoxylate (sum of all isomers), water, unfiltered, recoverable, µg/L (61704)	4-tert-Octyl-phenol di-ethoxylate, water, unfiltered, recoverable, µg/L (62486)	4-tert-Octyl-phenol mono-ethoxylate, water, unfiltered, recoverable, µg/L (62485)	4-tert-Octyl-phenol, water, unfiltered, recoverable, µg/L (62810)	5-Methyl-1H-benzotriazole, water, unfiltered, recoverable, µg/L (61944)	9,10-Anthraquinone, water, unfiltered, recoverable, µg/L (62813)	Acetophenone, water, unfiltered, recoverable, µg/L (62811)	Acetyl hexa-methyl tetrahydro naphthalene, water, unfiltered, recoverable, µg/L (62812)	Anthracene, water, unfiltered, recoverable, µg/L (34220)
02-28-2011	1710	--	--	--	--	--	--	--	--	--
03-01-2011	1000	--	--	--	--	--	--	--	--	--
04-25-2011	1525	--	--	--	--	--	--	--	--	--
04-26-2011	0000	--	--	--	--	--	--	--	--	--
04-26-2011	0115	--	--	--	--	--	--	--	--	--
04-26-2011	0230	--	--	--	--	--	--	--	--	--
04-26-2011	0900	--	--	--	--	--	--	--	--	--
04-26-2011	1115	--	--	--	--	--	--	--	--	--
06-01-2011	1100	--	--	--	--	--	--	--	--	--
07-06-2011	1000	--	--	--	--	--	--	--	--	--
08-02-2011	1500	< 1.6	< .20	< .60	< .4	< .32	< .04	< .4	< .04	< .02
08-09-2011	1200	--	--	--	--	--	--	--	--	--
09-07-2011	1300	--	--	--	--	--	--	--	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 8 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	BDE	Benzo[a]-	Benzo-	beta-Sitos-	beta-Stig-	Bis(2-	Bisphenol	Caffeine,	Choles-
		congener 47, water, unfiltered, recover- able, µg/L (63147)	pyrene, water, unfiltered, recover- able, µg/L (34247)	phenone, water, unfiltered, recover- able, µg/L (62814)	terol, water, unfiltered, recover- able, µg/L (62815)	mastanol, water, unfiltered, recover- able, µg/L (61948)	ethylhexyl) phthalate, water, unfiltered, recover- able, µg/L (39100)	A, water, unfiltered, recover- able, µg/L (62816)	water, unfiltered, recover- able, µg/L (81436)	terol, water, unfiltered, recover- able, µg/L (62818)
02-28-2011	1710	--	--	--	--	--	--	--	--	--
03-01-2011	1000	--	--	--	--	--	--	--	--	--
04-25-2011	1525	--	--	--	--	--	--	--	--	--
04-26-2011	0000	--	--	--	--	--	--	--	--	--
04-26-2011	0115	--	--	--	--	--	--	--	--	--
04-26-2011	0230	--	--	--	--	--	--	--	--	--
04-26-2011	0900	--	--	--	--	--	--	--	--	--
04-26-2011	1115	--	--	--	--	--	--	--	--	--
06-01-2011	1100	--	--	--	--	--	--	--	--	--
07-06-2011	1000	--	--	--	--	--	--	--	--	--
08-02-2011	1500	< .04	< .02	< .08	< 1.6	< 1.60	< 2	.016	E .038	E .23
08-09-2011	1200	--	--	--	--	--	--	--	--	--
09-07-2011	1300	--	--	--	--	--	--	--	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 9 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	Cotinine, water, unfiltered, recoverable, µg/L (61945)	Diethyl phthalate, water, unfiltered, recoverable, µg/L (34336)	D-Limonene, water, unfiltered, recoverable, µg/L (62819)	Fluoranthene, water, unfiltered, recoverable, µg/L (34376)	Hexahydrohexamethylcyclopentabenzopyran, water, unfiltered, recoverable, µg/L (62823)	Indole, water, unfiltered, recoverable, µg/L (62824)	Isoborneol, water, unfiltered, recoverable, µg/L (62825)	Iso-phorone, water, unfiltered, recoverable, µg/L (34408)	Isopropylbenzene, water, unfiltered, recoverable, µg/L (77223)
02-28-2011	1710	--	--	--	--	--	--	--	--	--
03-01-2011	1000	--	--	--	--	--	--	--	--	--
04-25-2011	1525	--	--	--	--	--	--	--	--	--
04-26-2011	0000	--	--	--	--	--	--	--	--	--
04-26-2011	0115	--	--	--	--	--	--	--	--	--
04-26-2011	0230	--	--	--	--	--	--	--	--	--
04-26-2011	0900	--	--	--	--	--	--	--	--	--
04-26-2011	1115	--	--	--	--	--	--	--	--	--
06-01-2011	1100	--	--	--	--	--	--	--	--	--
07-06-2011	1000	--	--	--	--	--	--	--	--	--
08-02-2011	1500	< .08	< .4	< .16	.007	< .04	< .04	< .08	< .04	< .04
08-09-2011	1200	--	--	--	--	--	--	--	--	--
09-07-2011	1300	--	--	--	--	--	--	--	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 10 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	Iso-quinoline, water, unfiltered, recoverable, µg/L (62826)	Menthol, water, unfiltered, recoverable, µg/L (62827)	Methyl salicylate, water, unfiltered, recoverable, µg/L (62828)	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	Phenanthrene, water, unfiltered, recoverable, µg/L (34461)	Phenol, water, unfiltered, recoverable, µg/L (34694)	Pyrene, water, unfiltered, recoverable, µg/L (34469)	Tetra-chloro-ethene, water, unfiltered, recoverable, µg/L (34475)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)
02-28-2011	1710	--	--	--	--	--	--	--	--	--
03-01-2011	1000	--	--	--	--	--	--	--	--	--
04-25-2011	1525	--	--	--	--	--	--	--	--	--
04-26-2011	0000	--	--	--	--	--	--	--	--	--
04-26-2011	0115	--	--	--	--	--	--	--	--	--
04-26-2011	0230	--	--	--	--	--	--	--	--	--
04-26-2011	0900	--	--	--	--	--	--	--	--	--
04-26-2011	1115	--	--	--	--	--	--	--	--	--
06-01-2011	1100	--	--	--	--	--	--	--	--	--
07-06-2011	1000	--	--	--	--	--	--	--	--	--
08-02-2011	1500	< .04	< .32	< .08	< .02	< .02	< .16	.005	< .16	< .16
08-09-2011	1200	--	--	--	--	--	--	--	--	--
09-07-2011	1300	--	--	--	--	--	--	--	--	--

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 11 of 11

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; 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	Tributyl phosphate, water, unfiltered, recoverable, µg/L (62832)	Triclosan, water, unfiltered, recoverable, µg/L (61708)	Triethyl citrate, water, unfiltered, recoverable, µg/L (62833)	Triphenyl phosphate, water, unfiltered, recoverable, µg/L (62834)	Tris(2-butoxyethyl) phosphate, water, unfiltered, recoverable, µg/L (62830)	Tris(2-chloroethyl) phosphate, water, unfiltered, recoverable, µg/L (62831)	Tris(di-chloroisopropyl) phosphate, water, unfiltered, recoverable, µg/L (61707)	Suspended sediment concentration, mg/L (80154)
02-28-2011	1710	--	--	--	--	--	--	--	3,580
03-01-2011	1000	--	--	--	--	--	--	--	672
04-25-2011	1525	--	--	--	--	--	--	--	131
04-26-2011	0000	--	--	--	--	--	--	--	1,300
04-26-2011	0115	--	--	--	--	--	--	--	2,020
04-26-2011	0230	--	--	--	--	--	--	--	2,290
04-26-2011	0900	--	--	--	--	--	--	--	1,260
04-26-2011	1115	--	--	--	--	--	--	--	902
06-01-2011	1100	--	--	--	--	--	--	--	53
07-06-2011	1000	--	--	--	--	--	--	--	30
08-02-2011	1500	< .04	< .32	< .04	< .08	E .166	< .16	< .32	--
08-09-2011	1200	--	--	--	--	--	--	--	1,280
09-07-2011	1300	--	--	--	--	--	--	--	--