

Library Reference 11.2.1

Regulatory compliance in Onondaga Lake tributaries, 2009.

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
pH (standard units)	Shall not be less than 6.5 nor more than 8.5	Ninemile Creek at Lakeland	26	7.90	6.37 - 8.46	96%
		Harbor Brook at Hiawatha	28	7.87	7.32 - 8.75	96%
		Harbor Brook at Velasko	28	7.71	7.30 - 8.22	100%
		Onondaga Creek at Kirkpatrick	26	7.87	6.78 - 8.07	100%
		Onondaga Creek at Dorwin	46	7.99	6.20 - 8.24	98%
		Onondaga Creek at Spencer	26	7.88	6.15 - 8.00	96%
		Ley Creek at Park	26	7.57	5.51 - 7.73	96%
		Tributary 5A at State Fair Blvd.	26	7.98	7.63 - 9.38	92%
		Allied East Flume	26	8.18	7.29 - 8.84	85%
		Onondaga Lake Outlet (2ft)	25	7.90	7.31 - 8.28	100%
		Onondaga Lake Outlet (12ft)	25	7.85	7.37 - 8.31	100%
		Bloody Brook at Old Liverpool Road	19	8.27	7.80 - 8.47	100%
		Bloody Brook at Onondaga Lake Parkway	18	8.21	7.80 - 8.37	100%
		Sawmill at Onondaga Lake Recreation Area	13	7.82	7.55 - 7.95	100%
Dissolved Oxygen (mg/l)	For nontrot waters, the minimum daily average shall not be less than 5.0 mg/l, and at no time shall the DO concentration be less than 4.0 mg/l.	Ninemile Creek at Lakeland	26	11.6	7.74 - 15.5	100% >4; 100% >5
		Harbor Brook at Hiawatha	28	11.2	8.36 - 14.9	100% >4; 100% >5
		Harbor Brook at Velasko	28	11.6	8.36 - 17.0	100% >4; 100% >5
		Onondaga Creek at Kirkpatrick	26	10.9	7.28 - 14.9	100% >4; 100% >5
		Onondaga Creek at Dorwin	46	10.9	7.38 - 15.7	100% >4; 100% >5
		Onondaga Creek at Spencer	26	10.9	7.53 - 14.9	100% >4; 100% >5
		Ley Creek at Park	26	8.50	4.38 - 14.2	100% >4; 96% >5
		Tributary 5A at State Fair Blvd.	26	7.18	4.06 - 12.8	100% >4; 85% >5
		Allied East Flume	26	9.64	5.86 - 18.3	100% >4; 100% >5
		Onondaga Lake Outlet (2ft)	25	10.8	5.78 - 18.4	100% >4; 100% >5
		Onondaga Lake Outlet (12ft)	25	10.2	4.56 - 16.5	100% >4; 92% >5
		Bloody Brook at Old Liverpool Road	19	13.0	9.20 - 16.4	100% >4; 100% >5
		Bloody Brook at Onondaga Lake Parkway	18	12.6	9.39 - 17.6	100% >4; 100% >5
		Sawmill at Onondaga Lake Recreation Area	13	8.31	5.54 - 15.7	100% >4; 100% >5

Regulatory compliance in Onondaga Lake tributaries, 2009 (continued).

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
<b>Fecal Coliform</b> <sup>3</sup> (cells/100 ml)	The monthly geometric mean, from a minimum of five examinations, shall not exceed 200 cfu/100ml  <i>N indicates the total number of samples with the number of months for which a minimum of five samples were collected.</i>	Ninemile Creek at Lakeland	0 (0)	95	<0 - 0	na
		Harbor Brook at Hiawatha	0 (0)	270	0 - >0	na
		Harbor Brook at Velasko	0 (0)	114	0 - 0	na
		Onondaga Creek at Kirkpatrick	0 (0)	470	0 - 0	na
		Onondaga Creek at Dorwin	1 (6)	230	6,000 - >6,000	67%
		Onondaga Creek at Spencer	0 (1)	4200	0 - 0	0%
		Ley Creek at Park	0 (0)	800	0 - >0	na
		Tributary 5A at State Fair Blvd.	0 (0)	52	<0 - 0	na
		Allied East Flume	0 (0)	43	<0 - 0	na
		Onondaga Lake Outlet (2ft)	0 (0)	16	<0 - 0	na
		Onondaga Lake Outlet (12ft)	-- (0)	--	--	na
		Bloody Brook at Old Liverpool Road	0 (0)	275	0 - 0	na
		Bloody Brook at Onondaga Lake Parkway	0 (0)	260	0 - 0	na
		Sawmill at Onondaga Lake Recreation Area	0 (0)	130	<0 - 0	na
<b>Ammonia-N</b> (mg/l)	Varies with pH and temperature.	Ninemile Creek at Lakeland	26	0.24	0.092 - 0.40	100%
		Harbor Brook at Hiawatha	26	0.054	<0.010 - 0.34	100%
		Harbor Brook at Velasko	26	0.029	<0.010 - 0.10	100%
		Onondaga Creek at Kirkpatrick	26	0.054	0.036 - 0.12	100%
		Onondaga Creek at Dorwin	45	0.033	<0.010 - 0.11	100%
		Onondaga Creek at Spencer	--	--	--	na
		Ley Creek at Park	26	0.34	0.092 - 0.55	100%
		Tributary 5A at State Fair Blvd.	26	0.16	0.090 - 0.19	96%
		Allied East Flume	26	0.94	0.151 - 2.12	38%
		Onondaga Lake Outlet (2ft)	25	0.13	0.032 - 0.39	100%
		Onondaga Lake Outlet (12ft)	25	0.12	0.039 - 0.39	100%
		Bloody Brook at Old Liverpool Road	19	0.034	<0.010 - 0.13	100%
		Bloody Brook at Onondaga Lake Parkway	18	0.071	0.023 - 0.10	100%
		Sawmill at Onondaga Lake Recreation Area	13	0.10	0.017 - 0.24	100%

Regulatory compliance in Onondaga Lake tributaries, 2009 (continued).

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
<b>Arsenic</b> <sup>4,6</sup> (µg/l)	150 µg/l [A(C)]	Ninemile Creek at Lakeland	4	2.0	<2.0 - <2.0	100%
		Harbor Brook at Hiawatha	4	2.0	<2.0 - <2.0	100%
		Harbor Brook at Velasko	4	2.0	<2.0 - <2.0	100%
		Onondaga Creek at Kirkpatrick	4	2.0	<2.0 - <2.0	100%
		Onondaga Creek at Dorwin	4	2.0	<2.0 - <2.0	100%
		Onondaga Creek at Spencer	--	--	--	na
		Ley Creek at Park	4	2.0	<2.0 - <2.0	100%
		Tributary 5A at State Fair Blvd.	4	2.0	<2.0 - 2.6	100%
		Allied East Flume	4	2.5	<2.0 - 3.0	100%
		Onondaga Lake Outlet (2ft)	4	2.0	<2.0 - <2.0	100%
		Onondaga Lake Outlet (12ft)	4	2.0	<2.0 - <2.0	100%
		Bloody Brook at Old Liverpool Road	3	2.0	<2.0 - <2.0	100%
		Bloody Brook at Onondaga Lake Parkway	3	2.0	<2.0 - <2.0	100%
		Sawmill at Onondaga Lake Recreation Area	2	2.0	<2.0 - <2.0	100%
<b>Cadmium</b> <sup>4,6</sup> (µg/l)	0.85 exp (0.7852 [ln (ppm hardness)] - 2.715) [A(C)] <u>Standard Ranges (µg/l) by Site using Hardness:</u>	Ninemile Creek at Lakeland	4	0.8	<0.8 - <0.8	100%
		Harbor Brook at Hiawatha	4	0.8	<0.8 - <0.8	100%
		Harbor Brook at Velasko	4	0.8	<0.8 - <0.8	100%
		Onondaga Creek at Kirkpatrick	4	0.8	<0.8 - <0.8	100%
		Onondaga Creek at Dorwin	4	0.8	<0.8 - <0.8	100%
		Onondaga Creek at Spencer	--	--	--	na
		Ley Creek at Park	4	0.8	<0.8 - <0.8	100%
		Tributary 5A at State Fair Blvd.	4	0.8	<0.8 - <0.8	100%
		Allied East Flume	4	0.8	<0.8 - <0.8	100%
		Onondaga Lake Outlet (2ft)	4	0.8	<0.8 - <0.8	100%
		Onondaga Lake Outlet (12ft)	4	0.8	<0.8 - <0.8	100%
		Bloody Brook at Old Liverpool Road	3	0.8	<0.8 - <0.8	100%
		Bloody Brook at Onondaga Lake Parkway	3	0.8	<0.8 - <0.8	100%
		Sawmill at Onondaga Lake Recreation Area	2	0.8	<0.8 - <0.8	100%
		<i>Ninemile Creek at Lakeland: 7.8 - 12.0</i>				
		<i>Harbor Brook at Hiawatha: 8.9 - 11.7</i>				
		<i>Harbor Brook at Velasko: 10.1 - 13.2</i>				
		<i>Onondaga Creek at Kirkpatrick: 5.8 - 7.6</i>				
<i>Onondaga Creek at Dorwin: 4.6 - 5.8</i>						
<i>Onondaga Creek at Spencer: na</i>						
<i>Ley Creek at Park: 5.9 - 8.4</i>						
<i>Tributary 5A at State Fair Blvd.: 6.3 - 8.0</i>						
<i>Allied East Flume: 5.4 - 7.6</i>						
<i>Onondaga Lake Outlet (2ft): 4.6 - 6.7</i>						
<i>Onondaga Lake Outlet (12ft): 6.4 - 6.8</i>						
<i>Bloody Brook at Old Liverpool Road: 6.8 - 10.3</i>						
<i>Bloody Brook at Onondaga Lake Parkway: 6.7 - 10.1</i>						
<i>Sawmill at Onondaga Lake Recreation Area: 9.2 - 12.8</i>						

Regulatory compliance in Onondaga Lake tributaries, 2009 (continued).

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
<b>Chromium</b> <sup>4,6</sup> (µg/l)	0.86 exp (0.819 [ln (ppm hardness)] + 0.6848) [A(C)]	Ninemile Creek at Lakeland	4	2.0	<2.0 - <2.0	100%
	<u>Standard Ranges (µg/l) by Site using Hardness:</u>	Harbor Brook at Hiawatha	4	2.0	<2.0 - <2.0	100%
	<i>Ninemile Creek at Lakeland: 291 - 460</i>	Harbor Brook at Velasko	4	2.0	<2.0 - <2.0	100%
	<i>Harbor Brook at Hiawatha: 335 - 445</i>	Onondaga Creek at Kirkpatrick	4	2.0	<2.0 - <2.0	100%
	<i>Harbor Brook at Velasko: 382 - 506</i>	Onondaga Creek at Dorwin	4	2.0	<2.0 - <2.0	100%
	<i>Onondaga Creek at Kirkpatrick: 214 - 286</i>	Onondaga Creek at Spencer	--	--	--	na
	<i>Onondaga Creek at Dorwin: 169 - 214</i>	Ley Creek at Park	4	2.0	<2.0 - 2.4	100%
	<i>Onondaga Creek at Spencer: na</i>	Tributary 5A at State Fair Blvd.	4	79	53 - 106	100%
	<i>Ley Creek at Park: 220 - 318</i>	Allied East Flume	4	2.0	<2.0 - 2.1	100%
	<i>Tributary 5A at State Fair Blvd.: 232 - 299</i>	Onondaga Lake Outlet (2ft)	4	2.0	<2.0 - <2.0	100%
	<i>Allied East Flume: 199 - 284</i>	Onondaga Lake Outlet (12ft)	4	2.0	<2.0 - <2.0	100%
	<i>Onondaga Lake Outlet (2ft): 170 - 248</i>	Bloody Brook at Old Liverpool Road	3	2.0	<2.0 - <2.0	100%
	<i>Onondaga Lake Outlet (12ft): 237 - 253</i>	Bloody Brook at Onondaga Lake Parkway	3	2.0	<2.0 - <2.0	100%
	<i>Bloody Brook at Old Liverpool Road: 254 - 392</i>	Sawmill at Onondaga Lake Recreation Area	2	2.0	<2.0 - <2.0	100%
	<i>Bloody Brook at Onondaga Lake Parkway: 249 - 382</i>					
	<i>Sawmill at Onondaga Lake Recreation Area: 346 - 490</i>					
<b>Copper</b> <sup>4,6</sup> (µg/l)	0.96 exp (0.8545 [ln (ppm hardness)] - 1.702) [A(C)]	Ninemile Creek at Lakeland	4	2.5	<2.5 - 4.4	100%
	<u>Standard Ranges (µg/l) by Site using Hardness:</u>	Harbor Brook at Hiawatha	4	3.3	<2.5 - 5.2	100%
	<i>Ninemile Creek at Lakeland: 37 - 60</i>	Harbor Brook at Velasko	4	2.5	<2.5 - <2.5	100%
	<i>Harbor Brook at Hiawatha: 43 - 58</i>	Onondaga Creek at Kirkpatrick	4	2.9	<2.5 - 4.2	100%
	<i>Harbor Brook at Velasko: 50 - 66</i>	Onondaga Creek at Dorwin	4	2.5	<2.5 - <2.5	100%
	<i>Onondaga Creek at Kirkpatrick: 27 - 37</i>	Onondaga Creek at Spencer	--	--	--	na
	<i>Onondaga Creek at Dorwin: 21 - 27</i>	Ley Creek at Park	4	2.9	<2.5 - 3.4	100%
	<i>Onondaga Creek at Spencer: na</i>	Tributary 5A at State Fair Blvd.	4	49	41 - 68	0%
	<i>Ley Creek at Park: 28 - 41</i>	Allied East Flume	4	3.6	<2.5 - 4.4	100%
	<i>Tributary 5A at State Fair Blvd.: 29 - 38</i>	Onondaga Lake Outlet (2ft)	4	2.5	<2.5 - <2.5	100%
	<i>Allied East Flume: 25 - 36</i>	Onondaga Lake Outlet (12ft)	4	2.5	<2.5 - 3.5	100%
	<i>Onondaga Lake Outlet (2ft): 21 - 32</i>	Bloody Brook at Old Liverpool Road	3	4.4	2.5 - 4.7	100%
	<i>Onondaga Lake Outlet (12ft): 30 - 32</i>	Bloody Brook at Onondaga Lake Parkway	3	3.5	<2.5 - 4.4	100%
	<i>Bloody Brook at Old Liverpool Road: 32 - 51</i>	Sawmill at Onondaga Lake Recreation Area	2	2.5	<2.5 - <2.5	100%
	<i>Bloody Brook at Onondaga Lake Parkway: 32 - 50</i>					
	<i>Sawmill at Onondaga Lake Recreation Area: 45 - 64</i>					

Regulatory compliance in Onondaga Lake tributaries, 2009 (continued).

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
<b>Cyanide</b> (µg/l)	5.2 µg/l (Free CN) [A(C)]	Ninemile Creek at Lakeland	4	3.0	<3.0 - <3.0	100%
		Harbor Brook at Hiawatha	4	3.0	<3.0 - <3.0	100%
		Harbor Brook at Velasko	4	3.0	<3.0 - <3.0	100%
		Onondaga Creek at Kirkpatrick	4	3.0	<3.0 - <3.0	100%
		Onondaga Creek at Dorwin	4	3.0	<3.0 - <3.0	100%
		Onondaga Creek at Spencer	--	--	--	na
		Ley Creek at Park	4	3.0	<3.0 - 8.0	75%
		Tributary 5A at State Fair Blvd.	4	3.0	<3.0 - <3.0	100%
		Allied East Flume	4	3.0	<3.0 - 5.0	100%
		Onondaga Lake Outlet (2ft)	4	3.0	<3.0 - <3.0	100%
		Onondaga Lake Outlet (12ft)	4	3.0	<3.0 - <3.0	100%
		Bloody Brook at Old Liverpool Road	3	3.0	<3.0 - <3.0	100%
		Bloody Brook at Onondaga Lake Parkway	3	3.0	<3.0 - <3.0	100%
		Sawmill at Onondaga Lake Recreation Area	2	3.0	<3.0 - <3.0	100%
<b>Lead</b> <sup>4,6</sup> (µg/l)	(1.46203 - [ln (hardness) 0.145712]) exp (1.273 [ln (hardness)] - 4.297) [A(C)]  <u>Standard Ranges (µg/l) by Site using Hardness:</u> <i>Ninemile Creek at Lakeland: 22 - 38</i> <i>Harbor Brook at Hiawatha: 26 - 37</i> <i>Harbor Brook at Velasko: 31 - 43</i> <i>Onondaga Creek at Kirkpatrick: 15 - 21</i> <i>Onondaga Creek at Dorwin: 11 - 15</i> <i>Onondaga Creek at Spencer: na</i> <i>Ley Creek at Park: 15 - 24</i> <i>Tributary 5A at State Fair Blvd.: 17 - 23</i> <i>Allied East Flume: 14 - 21</i> <i>Onondaga Lake Outlet (2ft): 11 - 18</i> <i>Onondaga Lake Outlet (12ft): 17 - 18</i> <i>Bloody Brook at Old Liverpool Road: 19 - 32</i> <i>Bloody Brook at Onondaga Lake Parkway: 18 - 31</i> <i>Sawmill at Onondaga Lake Recreation Area: 27 - 41</i>	Ninemile Creek at Lakeland	4	2.0	<2.0 - <2.0	100%
		Harbor Brook at Hiawatha	4	2.0	<2.0 - <2.0	100%
		Harbor Brook at Velasko	4	2.0	<2.0 - <2.0	100%
		Onondaga Creek at Kirkpatrick	4	2.0	<2.0 - <2.0	100%
		Onondaga Creek at Dorwin	4	2.0	<2.0 - <2.0	100%
		Onondaga Creek at Spencer	--	--	--	na
		Ley Creek at Park	4	2.0	<2.0 - 2.0	100%
		Tributary 5A at State Fair Blvd.	4	6.1	3.0 - 7.0	100%
		Allied East Flume	4	2.0	<2.0 - 3.0	100%
		Onondaga Lake Outlet (2ft)	4	2.0	<2.0 - <2.0	100%
		Onondaga Lake Outlet (12ft)	4	2.0	<2.0 - <2.0	100%
		Bloody Brook at Old Liverpool Road	3	2.0	<2.0 - <2.0	100%
		Bloody Brook at Onondaga Lake Parkway	3	2.0	<2.0 - <2.0	100%
		Sawmill at Onondaga Lake Recreation Area	2	2.0	<2.0 - <2.0	100%

Regulatory compliance in Onondaga Lake tributaries, 2009 (continued).

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
<b>Mercury</b> <sup>4,5</sup> (µg/l)	0.0007 µg/l [H(FC)]	Ninemile Creek at Lakeland	4	0.02	<0.02 - <0.02	see note
		Harbor Brook at Hiawatha	4	0.02	<0.02 - <0.02	
		Harbor Brook at Velasko	4	0.02	<0.02 - <0.02	
		Onondaga Creek at Kirkpatrick	4	0.02	<0.02 - <0.02	
		Onondaga Creek at Dorwin	4	0.02	<0.02 - <0.02	
		Onondaga Creek at Spencer	--	--	--	
		Ley Creek at Park	4	0.02	<0.02 - <0.02	
		Tributary 5A at State Fair Blvd.	4	0.03	<0.02 - 0.03	
		Allied East Flume	4	0.08	0.04 - 0.18	
		Onondaga Lake Outlet (2ft)	4	0.02	<0.02 - <0.02	
		Onondaga Lake Outlet (12ft)	4	0.02	<0.02 - <0.02	
		Bloody Brook at Old Liverpool Road	3	0.02	<0.02 - <0.02	
		Bloody Brook at Onondaga Lake Parkway	3	0.02	<0.02 - <0.02	
		Sawmill at Onondaga Lake Recreation Area	2	0.02	<0.02 - <0.02	
		<b>Nickel</b> <sup>4,6</sup> (µg/l)	0.997 exp (0.846 [ln (ppm hardness)] + 0.0584) [A(C)] <u>Standard Ranges (µg/l) by Site using Hardness:</u> <i>Ninemile Creek at Lakeland: 214 - 343</i> <i>Harbor Brook at Hiawatha: 247 - 331</i> <i>Harbor Brook at Velasko: 283 - 378</i> <i>Onondaga Creek at Kirkpatrick: 155 - 210</i> <i>Onondaga Creek at Dorwin: 122 - 156</i> <i>Onondaga Creek at Spencer: na</i> <i>Ley Creek at Park: 160 - 234</i> <i>Tributary 5A at State Fair Blvd.: 169 - 219</i> <i>Allied East Flume: 145 - 208</i> <i>Onondaga Lake Outlet (2ft): 123 - 181</i> <i>Onondaga Lake Outlet (12ft): 173 - 185</i> <i>Bloody Brook at Old Liverpool Road: 185 - 291</i> <i>Bloody Brook at Onondaga Lake Parkway: 182 - 283</i> <i>Sawmill at Onondaga Lake Recreation Area: 255 - 366</i>	Ninemile Creek at Lakeland	4	
Harbor Brook at Hiawatha	4			3.8	<3.8 - <3.8	100%
Harbor Brook at Velasko	4			3.8	<3.8 - <3.8	100%
Onondaga Creek at Kirkpatrick	4			3.8	<3.8 - <3.8	100%
Onondaga Creek at Dorwin	4			3.8	<3.8 - <3.8	100%
Onondaga Creek at Spencer	--			--	--	na
Ley Creek at Park	4			3.8	<3.8 - <3.8	100%
Tributary 5A at State Fair Blvd.	4			115	81 - 144	100%
Allied East Flume	4			3.8	<3.8 - <3.8	100%
Onondaga Lake Outlet (2ft)	4			3.8	<3.8 - <3.8	100%
Onondaga Lake Outlet (12ft)	4			3.8	<3.8 - <3.8	100%
Bloody Brook at Old Liverpool Road	3			3.8	<3.8 - <3.8	100%
Bloody Brook at Onondaga Lake Parkway	3			3.8	<3.8 - <3.8	100%
Sawmill at Onondaga Lake Recreation Area	2			3.8	<3.8 - <3.8	100%

## Regulatory compliance in Onondaga Lake tributaries, 2009 (continued).

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
Nitrite-N (µg/l)	100 µg/l (Warm water fishery)	Ninemile Creek at Lakeland	26	20	<10 - 55	100%
		Harbor Brook at Hiawatha	26	10	<10 - 34	100%
		Harbor Brook at Velasko	26	10	<10 - 30	100%
		Onondaga Creek at Kirkpatrick	26	10	<10 - 70	100%
		Onondaga Creek at Dorwin	31	10	<10 - 130	97%
		Onondaga Creek at Spencer	--	--	--	na
		Ley Creek at Park	26	20	<10 - 83	100%
		Tributary 5A at State Fair Blvd.	26	19	<10 - 130	96%
		Allied East Flume	26	901	316 - 3,430	0%
		Onondaga Lake Outlet (2ft)	25	28	10 - 54	100%
		Onondaga Lake Outlet (12ft)	25	30	20 - 55	100%
		Bloody Brook at Old Liverpool Road	19	10	<10 - 19	100%
		Bloody Brook at Onondaga Lake Parkway	19	10	<10 - 20	100%
Sawmill at Onondaga Lake Recreation Area	13	10	<10 - 20	100%		
Zinc <sup>4,6</sup> (µg/l)	exp (0.85 [ln (ppm hardness)] + 0.50) [A(C)] <u>Standard Ranges (µg/l) by Site using Hardness:</u>	Ninemile Creek at Lakeland	4	11.6	8.0 - 22.1	100%
		Harbor Brook at Hiawatha	4	9.65	7.2 - 21.5	100%
		Harbor Brook at Velasko	4	6.85	<5.0 - 8.4	100%
		Onondaga Creek at Kirkpatrick	4	9.15	7.3 - 13.6	100%
		Onondaga Creek at Dorwin	4	6.5	<5.0 - 8.1	100%
		Onondaga Creek at Spencer	--	--	--	na
		Ley Creek at Park	4	13.3	10.2 - 18.5	100%
		Tributary 5A at State Fair Blvd.	4	26.25	25 - 29	100%
		Allied East Flume	4	23.85	12.0 - 41.0	100%
		Onondaga Lake Outlet (2ft)	4	6.3	5.5 - 7.0	100%
		Onondaga Lake Outlet (12ft)	4	6.6	5.4 - 7.4	100%
		Bloody Brook at Old Liverpool Road	3	13.7	12.9 - 18.1	100%
		Bloody Brook at Onondaga Lake Parkway	3	14	9.6 - 17.4	100%
		Sawmill at Onondaga Lake Recreation Area	2	8.75	6.3 - 11.2	100%
		<i>Ninemile Creek at Lakeland: 342 - 549</i>				
		<i>Harbor Brook at Hiawatha: 396 - 531</i>				
<i>Harbor Brook at Velasko: 453 - 606</i>						
<i>Onondaga Creek at Kirkpatrick: 248 - 336</i>						
<i>Onondaga Creek at Dorwin: 195 - 249</i>						
<i>Onondaga Creek at Spencer: na</i>						
<i>Ley Creek at Park: 255 - 374</i>						
<i>Tributary 5A at State Fair Blvd.: 270 - 351</i>						
<i>Allied East Flume: 231 - 333</i>						
<i>Onondaga Lake Outlet (2ft): 196 - 289</i>						
<i>Onondaga Lake Outlet (12ft): 276 - 295</i>						
<i>Bloody Brook at Old Liverpool Road: 296 - 465</i>						
<i>Bloody Brook at Onondaga Lake Parkway: 291 - 453</i>						
<i>Sawmill at Onondaga Lake Recreation Area: 409 - 587</i>						

Regulatory compliance in Onondaga Lake tributaries, 2009 (continued).

Parameter (units)	NYSDEC Standard (Classes B and C) <sup>1</sup>	Sampling Station	Sample Results <sup>2</sup>			% of Measurements in Compliance
			N	Median	Range	
<b>Hardness</b> (mg/l)	No Standard	Ninemile Creek at Lakeland	26	620	667 - 931	na
		Harbor Brook at Hiawatha	26	832	786 - 903	na
		Harbor Brook at Velasko	26	953	891 - 1,043	na
		Onondaga Creek at Kirkpatrick	26	427	413 - 520	na
		Onondaga Creek at Dorwin	44	323	317 - 437	na
		Onondaga Creek at Spencer	26	414	398 - 482	na
		Ley Creek at Park	26	486	455 - 591	na
		Tributary 5A at State Fair Blvd.	26	413	424 - 578	na
		Allied East Flume	26	432	405 - 516	na
		Onondaga Lake Outlet (2ft)	25	412	388 - 467	na
		Onondaga Lake Outlet (12ft)	25	424	418 - 473	na
		Bloody Brook at Old Liverpool Road	19	659	622 - 764	na
		Bloody Brook at Onondaga Lake Parkway	19	637	613 - 741	na
		Sawmill at Onondaga Lake Recreation Area	13	609	597 - 1,004	na