



The following Table summarizes our coliform testing results in both streams and the adjacent water bodies around Sodus Bay. Samples were collected from 18 sites from around the bay and tested for total coliforms (24 hr) or *E. coli* (48hr) as specified in AOAC method 991.14. Specific conductivity gives you some estimate of how much sediment was coming into the water body. Bacterial counts were determined using 3M Petrifilm CC (total Coliform) and EC (total coliform/ *E coli*) to measure coliform abundance using a 1 ml sample. The EC and CC total coliform results were log averaged together at 24 hr (n=2). A value of 1/n was used for any zero readings. *E.coli* abundance was determined from a single reading after 48 hr. Guidance values¹ for interpretation of the results are given in the top table:

Guideline Values for interpretation of results.

Indicator (per 100 ml)	EPA recreational contact	NYS Bathing beach (single sample)	NYS (30 day log average)
Total Coliform		-	2,400
Fecal Coliform	200	1,000	200
<i>E coli</i>		235	126

Total Coliform and *E. coli* test results for June 28, 2017. Values that exceed these guidelines are in bold.

ESF id	Location	water temperature (°C)	specific Conductivity	Total coliform (n=2)	Total <i>E coli</i> (n=1)
Tributaries and Creeks					
2	Sodus Creek at Glenmark Road	Na	na	2260	300
1	Sodus Creek at Briggs Road	14.7	587	1000	500
3	Rte 104 Bridge	20.4	503	100	0
4	3 rd Creek	21.6	360	50	0
5	2 nd Creek	17	569	240	0
16	Clark Creek	Na	Na	420	500
South End of the Bay					
13	Oak Park Marina	22.9	757	70	100
3	Rte 104 Bridge (repeated)	20.4	503	100	0
West of Sodus Point					
6	1 st Creek at Arney's Marina	20.7	550	140	100
7	Katlynn Marina	20.5	349	450	200
10	Yacht Club	21.3	350	70	0
11	Sodus Point lagoon	21.2	416	280	100
East of Sodus Point					
12	Restaurant Gazebo	21.4	353	1050	200
9	Muni parking lot boat launch	21	356	650	400
8	Coast Guard Station	20.6	346	100	0
Crescent Beach and LeRoy Island					
14	Crescent Beach West	21	339	50	0
15	Crescent Beach Center	22	352	50	0
18	Crescent Beach East	22.7	354	70	0
17	LeRoy Island Bridge	22	352	280	0
QAQC samples					
19	Onondaga Lake Inner Harbor	17.8	2,978	1750	0
20	Blank	na	na	<50	0
21	Coast Guard Beach repeat	na	na	600	100
22	Restaurant Gazebo repeat	na	na	730	0

Comments: None of the samples collected exceeded the guidance values for total coliform. Based on a single test, three tributaries and one sample from the bay itself exceeded the more stringent single day guidance value for *E. coli*. We will test again later this summer after the runoff has subsided.

¹ https://www.health.ny.gov/regulations/nycrr/title_10/part_6/subpart_6-2.htm#s6215