

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2014

8/12/2014

Samples Collected by Salem Sound Coastwatch staff and volunteers: **Barbara Warren (SS-BW), Susan Yochelson (SS-SY)**

Gary Moore (SS-GM), Susan Stratton (SS-SS), Hannah Sinclair (SS-HS)

MCST: Lynn Atkinson, Carolyn Kelly, Francie Caudill, Susan Purser, Joan Nesbit, Kate Culhane

Weather Rating: **DRY**

Low Tide: **6:44 AM**

Salem Sound Coastwatch's Clean Beaches and Streams Program is an ongoing water quality monitoring program that collects data at low tide from prioritized, potential pollution sources/sites along Salem Sound's coastline, including outfall pipes, culverts, and small streams. Sites may change throughout the season. For more information, contact Barbara Warren at 978-741-7900.

Testing conducted specifically for water quality at bathing beaches is performed by each city/town Board of Health.

Salem Sound Coastwatch Sampling Sites by Community	Site Number	Time of Sampling (am)	Flow	Salinity	Sample Collected	Enterococci per 100 mL	Lab
Manchester							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:50	Flow	31	MCST	1,020	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	8:00	Flow	29	MCST	3,080	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:13	Trickle	0	MCST	550	Bio
Inlet into Tuck's Point, West Manchester	168	7:20	Flow	31	MCST	265	Bio
Manchester Inner Harbor - off boat ramp	169	7:35	Flow	29	MCST	175	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:51	Flow	18	SS-HS	839	Bio
Rice Beach - Stream outlet on beach	214	7:37	Trickle	4	SS-HS	1,270	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:00	Flow		SS-HS	504	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	7:15	Trickle		SS-GM	86	Bio
North River - Commercial Way near foot bridge	559	7:08	Trickle		SS-GM	134	Bio
Lafayette Street - Forest River	601	7:30	Flow	31	SS-BW	249	Bio
Juniper Beach - Storm drain on beach	620	7:59	Flow	10	SS-BW	24,200	Bio
Ocean Avenue - Storm drain on beach	623	7:45	Trickle		SS-BW	20	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:50	Flow	22	SS-BW	2,190	Bio
South River - off floating dock at Congress Street	643	7:21	Trickle		SS-GM	299	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:03	Flow		SS-SS	743	Bio
Stramski Beach - Stream before entering the beach	722	7:11	Flow		SS-SS	857	Bio
Village Street	721	7:25	Flow		SS-SS	63	Bio
Peabody							
North River - Howley Street	500	7:01	Trickle		SS-GM	309	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	620	8:00	Flow	10	SS-BW	24,200	Bio

Times with ** indicates samples were taken outside of the 2 hour window of sampling at low tide.

*Numbers in bold exceed Class A, B and C standards as specified by the EPA (EPA-823-R-03-008): Enterococci > 104 CFU/100mL

Notes: NS = no sample collected ND = no detect (<4 CFU/100mL) NA = parameter not analyzed

Weather ratings:

Dry - Less than 0.2" the day of sampling or less than 0.5" within three days preceding sampling

Wet - More than 0.2" the day of sampling or more than 0.5" within three days preceding sampling

Lab abbreviation: Bio = Biomarine Inc.

Flow ratings:

N = no water

S = some water which is stagnant

T = trickling flow

F = steady, continuous flow

16 East Main Street, Gloucester, Massachusetts 01930 - Phone: 978-281-0222

www.biomarineinc.com