

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2015 7/16/2015

Samples Collected by Salem Sound Coastwatch staff and volunteers: **Barbara Warren (SS-BW), Jack Nessen (SS-JN)**

Susan Stratton (SS-SS), Aletha Spang (SS-AS), Jim Olivetti (SS-JO)

MCST: Lynn Atkinson, Carolyn Kelly, Francie Caudill, Susan Purser, Joan Nesbit, and Eric Mager

Weather Rating: DRY

Low Tide: 6:10 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 ppt	Sample Collected	Enterococci per 100 mL	Lab
Manchester							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:10	Flow	25	MCST	884	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:24	Flow	23	MCST	906	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:40	Flow		MCST	41	Bio
Beverly							
Mingo Beach - Hale Street	212	7:05	Flow		SS-JN	31	Bio
Patch Beach - Brackenbury Lane	213	7:15	Flow	13	SS-JN	144	Bio
Rice Beach - Stream outlet on beach	214	7:30	Flow		SS-JN	132	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:48	Flow		SS-JN	269	Bio
Salem							
Juniper Beach - Storm drain on beach	620	7:40	Flow		SS-BW	13,000	Bio
South River - off floating dock at Congress Street	643	7:55	Flow		SS-BW	30	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:30	Flow		SS-BW	631	Bio
Marblehead							
Riverhead Beach Culvert - Facing on right	701	7:05	Flow		SS-SS	135	Bio
Stramski Beach - Stream before entering the beach	722	NS			SS-SS	NS	
Village Street	721	7:21	Flow		SS-SS	1,150	Bio
Swampscott							
SWO1	SWO1	7:30	T		SS-JO	1,470	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	620	7:40	Flow		SS-BW	10,500	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.biomarinelab.com