

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2015

8/18/2015

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: 8:13 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
<b>Manchester</b>							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:40	Flow	27	MCST	<b>1,410</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:50	Flow	24	MCST	<b>3,080</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:05	Flow	0	MCST	<b>201</b>	Bio
<b>Beverly</b>							
Mingo Beach - Hale Street	212	NS			SS-JN	NS	Bio
Patch Beach - Brackenbury Lane	213	7:40	Flow	13	SS-JN	<b>216</b>	Bio
Rice Beach - Stream outlet on beach	214	7:58	Flow		SS-JN	<b>670</b>	Bio
Dane St. Beach - Lawrence Street brook at beach	321	8:12	Flow		SS-JN	84	Bio
<b>Salem</b>							
Juniper Beach - Storm drain on beach	620	7:50	Flow	7	SS-AS	<b>539</b>	Bio
South River - off floating dock at Congress Street	643	8:06	Flow	24	SS-AS	<b>253</b>	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	8:18	Flow	25	SS-AS	<b>19,900</b>	Bio
<b>Marblehead</b>							
Riverhead Beach Culvert - Facing on right	701	7:50	Flow		SS-SS	<b>717</b>	Bio
Stramski Beach - Stream before entering the beach	722	NS			SS-SS	NS	
Village Street	721	8:06	T		SS-SS	62	Bio
<b>Swampscott</b>							
SWO1	SWO1	7:20	T		SS-JO	52	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

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