

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2015

7/2/2015

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: WET**

**Low Tide: 5:57 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	7:05	F	20	MCST	<b>1,940</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:15	F	16	MCST	<b>1,530</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:25	F	0	MCST	<b>300</b>	Bio
<b>Beverly</b>							
Mingo Beach - Hale Street	212	7:15	F	0	SS-JN	92	Bio
Patch Beach - Brackenbury Lane	213	7:32	F	4	SS-JN	<b>602</b>	Bio
Rice Beach - Stream outlet on beach	214	7:55	F	0	SS-JN	<b>148</b>	Bio
Dane St. Beach - Lawrence Street brook at beach	321	8:12	F	0	SS-JN	<b>495</b>	Bio
<b>Salem</b>							
Juniper Beach - Storm drain on beach	620	7:00	F		SS-AS	<b>11,200</b>	Bio
South River - off floating dock at Congress Street	643	7:12	F		SS-AS	<b>1,430</b>	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:20	F		SS-AS	<b>4,880</b>	Bio
<b>Marblehead</b>							
Riverhead Beach Culvert - Facing on right	701	6:45	F		SS-SS	41	Bio
Stramski Beach - Stream before entering the beach	722		NS		SS-SS	NS	
Village Street	721	6:58	F		SS-SS	<b>717</b>	Bio
<b>Swampscott</b>							
SWO1	SWO1	8:00	F		SS-JO	<b>1,210</b>	Bio
<b>Quality Assurance/Quality Control</b>							
Duplicate Sample collected							
<p>Times with ** indicates samples were taken outside of the 2 hour window of sampling at low tide.</p> <p><b>*Numbers in bold exceed Class A, B and C standards as specified by the EPA (EPA-823-R-03-008): Enterococci &gt; 104 CFU/100mL</b></p> <p><b>Notes:</b> NS = no sample collected ND = no detect (&lt;4 CFU/100mL) NA = parameter not analyzed</p> <p><b>Weather ratings:</b>            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</p> <p><b>Lab abbreviation: Bio = Biomarine Inc.</b></p>							
					<p><b>Flow ratings:</b>            N = no water            S = some water which is stagnant            T = trickling flow            F = steady, continuous flow</p>		
16 East Main Street, Gloucester, Massachusetts 01930 - Phone: 978-281-0222				<a href="http://www.biomarinelab.com">www.biomarinelab.com</a>			