

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2012

8/7/2012

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

James Tierney (SS-JT), Gary Moore (SS-GM), Connor Hilfinger (SS-CH), Vanessa Zendajes (SS-VZ), Susan Marsh (SS-SM)

MSCT: Francie Caudill, Carolyn Kelly, Patti Mitchell, Joan Nesbit, Lynn Atkinson, Susan Purser, Pat Doran

**Weather Rating: DRY**

**Low Tide: 9:28 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
<b>Manchester</b>							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	8:15	Flow	30	MCST	<b>120</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	8:25	Flow	25	MCST	<b>455</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:42	Flow		MCST	31	Bio
<b>Beverly</b>							
Patch Beach - Brackenbury Lane	213	7:07	Flow		SS-CH	<b>395</b>	Bio
Rice Beach - Stream outlet on beach	214	7:19	S		SS-CH	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:30	Flow		SS-CH	<b>122</b>	Bio
<b>Salem</b>							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	6:58	T		SS-GM	<b>145</b>	Bio
North River - Commercial Way near foot bridge	559	6:53	Flow		SS-GM	98	Bio
Juniper Beach - Storm drain on beach	620	7:50	Flow		SS-CH	<b>110</b>	Bio
Derby Wharf - Storm drain	630	7:06	T		SS-GM	<b>613</b>	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:50	Flow		SS-JT	<b>2,790</b>	Bio
<b>Marblehead</b>							
Dolliber Cove Creek - Grace Oliver Beach	700	8:09	Flow		SS-SY	31	Bio
Riverhead Beach Culvert - Facing on right	701B	8:24	Flow		SS-SY	<b>120</b>	Bio
Stramski Beach - Stream before entering the beach	722	8:00	Flow		SS-SY	<b>959</b>	Bio
<b>Quality Assurance/Quality Control</b>							
Duplicate Sample collected							
Times with ** indicates samples were taken outside of the 2 hour window of sampling at low tide.							
<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>							
<b>Notes:</b> NS = no sample collected ND = no detect (<4 CFU/100mL) NA = parameter not analyzed						<b>Flow ratings:</b>	
<b>Weather ratings:</b>						N = no water	
Dry - Less than 0.2" the day of sampling or less than 0.5" within three days preceding sampling						S = some water which is stagnant	
Wet - More than 0.2" the day of sampling or more than 0.5" within three days preceding sampling						T = trickling flow	
<b>Lab abbreviation: Bio = Biomarine Inc.</b>						F = steady, continuous flow	
16 East Main Street, Gloucester, Massachusetts 01930 - Phone: 978-281-0222				<a href="http://www.biomarinelab.com">www.biomarinelab.com</a>			