

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2011 DATE June 2, 2011

Samples Collected by Salem Sound Coastwatch staff and volunteers: **Barbara Warren (SS-BGW), Cheyenne Azadan (SS-CA)**

Francie Caudill (SS-FC), Carolyn Kelly (SS-CK), Patti Mitchell (SS-PM), Joan Nesbit (SS-JN), Lynn Atkinson (SS-LA)

Lenny Capello (SS-LC), James Tierney (SS-JT), Megan Warde (SS-MW), Gary Moore (SS-GM), Monica Gardner (SS-MG)

Bob Solda (SS-BS), Tricia Curley SS-BS

Weather Rating: **DRY**

Low Tide: **6:14 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	7:25	Flow	15	MCST	<b>2,480</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:39	T	10	MCST	<b>908</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:00	T	0	MCST	72	Bio
<b>Beverly</b>							
Patch Beach - Brackenbury Lane	213	7:40	Flow	3	SS-BW	<b>1,950</b>	Bio
Rice Beach - Stream outlet on beach	214	7:25	T	3	SS-BW	<b>211</b>	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:58	Flow	4	SS-TC	<b>911</b>	Bio
Dane St. Beach - Easterly storm drain at beach	322	7:55	Flow	17	SS-TC	131	Bio
<b>Salem</b>							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	6:42	T		SS-GM	41	Bio
North River - Commercial Way near foot bridge	559	6:53	T		SS-GM	<b>231</b>	Bio
Juniper Beach - Storm drain on beach	620	6:00	Flow		SS-BS	63	Bio
Derby Wharf - Storm drain	630	6:53	T		SS-GM	<b>1,840</b>	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631				SS-JT	NS	Bio
<b>Marblehead</b>							
Dolliber Cove Creek - Grace Oliver Beach	700	7:14	Flow		SS-CA	<b>325</b>	Bio
Riverhead Beach Culvert - Facing on right	701B	7:35	Flow		SS-CA	<b>1,010</b>	Bio
Stramski Beach - Stream before entering the beach	722	7:55	Flow		SS-MW	<b>2,280</b>	Bio
Gingerbread Hill - Beacon Street outfall inner cove	732	7:10	Flow		SS-CA	<b>161</b>	Bio
<b>Quality Assurance/Quality Control</b>							
Duplicate Sample collected	NS						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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