

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2011 DATE: August 2, 2011

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

Zoemma Warshafsky (SS-ZW), James Tierney (SS-JT), Megan Warde (SS-MW), Gary Moore (SS-GM), Monica Gardner (SS-MG), Bob Solda (SS-BS), Tricia Curley (SS-TC)

MCST: Francie Caudill, Carolyn Kelly, Patti Mitchelly, Joan Nesbit, Lynn Atkinson, Susan Purser, Pat Doran

**Weather Rating: DRY**

**Low Tide: 7:36 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	7:52	Flow	28	MCST	<b>8,200</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	8:02	Flow	25	MCST	<b>7,300</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:15	T	0	MCST	<b>5,800</b>	Bio
<b>Beverly</b>							
Patch Beach - Brackenbury Lane	213	7:30	Flow	22	SS-BW	<b>2,400</b>	Bio
Rice Beach - Stream outlet on beach	214	NS			SS-BW	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:37	T		SS-TC	<b>270</b>	Bio
Dane St. Beach - Easterly storm drain at beach	322	7:33	Flow		SS-TC	<10	Bio
<b>Danvers</b>							
Porter River at Rt. 62 and Holten-Richmond School	400	8:00	Flow	0	SS-BW	<b>3300</b>	Bio
Porter River Rt. 35 - dock at Popes Landing	422	8:10	Flow	28	SS-BW	<b>190</b>	Bio
<b>Salem</b>							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	7:18	Flow		SS-GM	<b>1,000</b>	Bio
North River - Commercial Way near foot bridge	559	7:14	Flow		SS-GM	<b>620</b>	Bio
Juniper Beach - Storm drain on beach	620	6:35	Flow		SS-BS	<b>1,900</b>	Bio
Derby Wharf - Storm drain	630	7:25	Flow		SS-GM	<b>580</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	8:10	T	11	SS-ZW	<b>2,100</b>	Bio
Riverhead Beach Culvert - Facing on right	701B	8:25	Flow	22	SS-ZW	<b>830</b>	Bio
Stramski Beach - Stream before entering the beach	722	7:45	T		SS-MW	<b>1,500</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>							
Notes: 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>			