

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2012

7/19/2012

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: WET**

**Low Tide: 6:00 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	7:05	Flow	19	MCST	<b>7,270</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:15	Flow	16	MCST	<b>5,170</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:30	Flow		MCST	<b>295</b>	Bio
<b>Beverly</b>							
Patch Beach - Brackenbury Lane	213	7:35	Flow		SS-CH	<b>4,610</b>	Bio
Rice Beach - Stream outlet on beach	214	7:243:00 AM	S		SS-CH	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:09	Flow		SS-CH	<b>7,270</b>	Bio
<b>Salem</b>							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	6:40	T		SS-GM	<b>1,280</b>	Bio
North River - Commercial Way near foot bridge	559	6:36	Flow		SS-GM	<b>991</b>	Bio
Juniper Beach - Storm drain on beach	620	6:50	Flow		SS-SM	<b>4,350</b>	Bio
Derby Wharf - Storm drain	630	6:59	T		SS-GM	<b>11,200</b>	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:35	Flow		SS-JT	<b>3,650</b>	Bio
<b>Marblehead</b>							
Dolliber Cove Creek - Grace Oliver Beach	700	7:35	Flow	0	SS-BW	<b>3,610</b>	Bio
Riverhead Beach Culvert - Facing on right	701B	7:50	Flow	12	SS-BW	<b>7,700</b>	Bio
Stramski Beach - Stream before entering the beach	722	7:35	Flow		SS-BW	<b>4,350</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. *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							
<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					<b>Flow ratings:</b> N = no water S = some water which is stagnant T = trickling flow F = steady, continuous flow		
<b>Lab abbreviation: Bio = Biomarine Inc.</b>							

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