

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2013

8/22/2013

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

Vi Patek (SS-VP), Gary Moore (SS-GM),

MSCT: Francie Caudill, Carolyn Kelly, Patti Mitchell, Joan Nesbit, Lynn Atkinson, Kate Newhall, Kate Culhane

Weather Rating: DRY

Low Tide: 6:26 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	7:14	Flow	30	MCST	<b>3,080</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:25	Flow	25	MCST	<b>2,040</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:43	Trickle	0	MCST	10	Bio
<b>Beverly</b>							
Patch Beach - Brackenbury Lane	213	8:26	Flow	15	SS-BW	<b>1,210</b>	Bio
Rice Beach - Stream outlet on beach	214	NS			SS-BW	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	8:15	Trickle		SS-BW	<b>41</b>	Bio
<b>Salem</b>							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	6:51	Flow		SS-GM	<b>189</b>	Bio
North River - Commercial Way near foot bridge	559	6:47	Flow		SS-GM	<b>221</b>	Bio
Juniper Beach - Storm drain on beach	620	7:55	Flow	10	SS-BW	<b>295</b>	Bio
Derby Wharf - Storm drain	630	7:00	Trickle		SS-GM	<b>426</b>	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:45	Flow	22	SS-BW	<b>231</b>	Bio
Juniper Cove - Storm drain in	625	NS				NS	
Collins Cove - Storm drain below Park	525	NS				NS	
<b>Marblehead</b>							
Dolliber Cove Creek - Grace Oliver Beach	700	7:30	Trickle		SS-BW	<b>171</b>	Bio
Riverhead Beach Culvert - Facing on right	701B	NS				NS	Bio
Stramski Beach - Stream before entering the beach	722	7:17	Trickle		SS-BW	<b>120</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>Weather ratings:</b>						<b>Flow ratings:</b>	
Dry - Less than 0.2" the day of sampling or less than 0.5" within three days preceding sampling						N = no water	
Wet - More than 0.2" the day of sampling or more than 0.5" within three days preceding sampling						S = some water which is stagnant	
						T = trickling flow	
						F = steady, continuous flow	
<b>Lab abbreviation: Bio = Biomarine Inc.</b>							

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