

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2013

6/13/2013

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

Vi Patek (SS-VP), James Tierney (SS-JT), Gary Moore (SS-GM), Susan Marsh (SS-SM)

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

Weather Rating: WET

Low Tide: 9:04 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
Manchester							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:20	Flow	8 ppt	MCST	350	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:31	Flow	0 ppt	MCST	168	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:50	Flow	0 ppt	MCST	52	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	9:45	Flow	2 ppt	SS-BW	275	Bio
Rice Beach - Stream outlet on beach	214	9:30	Flow	0 ppt	SS-BW	183	Bio
Dane St. Beach - Lawrence Street brook at beach	321	9:15	Flow		SS-BW	259	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	7:11	Flow		SS-GM	75	Bio
North River - Commercial Way near foot bridge	559	7:03	Flow		SS-GM	5,030	Bio
Juniper Beach - Storm drain on beach	620	8:50	Flow		SS-BW	>24,000	Bio
Derby Wharf - Storm drain	630	7:20	Flow		SS-GM	521	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	8:15	Flow		SS-BW	110	Bio
Collins Cove - Storm drain below Park	525	9:00	Flow		SS-BW	231	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:40	Flow		SS-BW	313	Bio
Riverhead Beach Culvert - Facing on right	701B	8:00	Flow		SS-BW	226	Bio
Stramski Beach - Stream before entering the beach	722	7:30	Flow		SS-BW	216	Bio
Quality Assurance/Quality Control							
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							
Weather ratings:					Flow ratings:		
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		
Lab abbreviation: Bio = Biomarine Inc.							
16 East Main Street, Gloucester, Massachusetts 01930 - Phone: 978-281-0222				www.biomarinelab.com			