

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2012

DATE June 7, 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)

Bob Solda (SS-BS),

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

Weather Rating: **DRY**

Low Tide: **8:00 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
Manchester							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:50	Flow		MCST	309	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:59	Flow		MCST	609	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:10	Flow		MCST	<10	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	9:20	Flow	0	SS-CH	169	Bio
Rice Beach - Stream outlet on beach	214	9:09	Flow	0	SS-CH	145	Bio
Dane St. Beach - Lawrence Street brook at beach	321	8:55	Flow	4	SS-CH	275	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537					NS	
North River - Commercial Way near foot bridge	559					NS	
Juniper Beach - Storm drain on beach	620	8:10	Flow	9	SS-CH/BW	554	Bio
Derby Wharf - Storm drain	630					NS	
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:55	Flow		SS-SY	2,910	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700					NS	
Riverhead Beach Culvert - Facing on right	701B					NS	
Stramski Beach - Stream before entering the beach	722					NS	
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						Flow ratings:	
Weather ratings:						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	
Lab abbreviation: Bio = Biomarine Inc.						F = steady, continuous flow	
16 East Main Street, Gloucester, Massachusetts 01930 - Phone: 978-281-0222				www.biomarinelab.com			