

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2012

7/5/2012

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: DRY (.14 in. rainfall previous night) Low Tide: 6:50 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	7:40	Flow	30	MSCT	3,080	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:57	Flow	8	MSCT	11,200	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:10	Flow	0	MSCT	74	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	8:00	Flow		SS-CH	427	Bio
Rice Beach - Stream outlet on beach	214	7:46	T		SS-CH	94	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:32	Flow		SS-CH	332	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	6:35	T		SS-GM	384	Bio
North River - Commercial Way near foot bridge	559	6:30	Flow		SS-GM	798	Bio
Juniper Beach - Storm drain on beach	620	6:35	Flow		SS-SM	520	Bio
Derby Wharf - Storm drain	630	7:02	Flow		SS-GM	1,330	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	8:00	Flow		SS-JT	5,790	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:22	Flow		SS-SY	86	Bio
Riverhead Beach Culvert - Facing on right	701B	7:05	Flow		SS-SY	650	Bio
Stramski Beach - Stream before entering the beach	722	7:32	Flow		SS-SY	228	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						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	