

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2012

6/21/2012

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

Low Tide: 7:07 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		MCST	3,650	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:46	Flow		MCST	2,910	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:00	Flow		MCST	41	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:33	Flow		SS-CH & VZ	813	Bio
Rice Beach - Stream outlet on beach	214	7:23	S		SS-CH & VZ	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:09	Flow		SS-CH & VZ	1,790	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	7:11	T		SS-GM	450	Bio
North River - Commercial Way near foot bridge	559	7:06	T		SS-GM	529	Bio
Juniper Beach - Storm drain on beach	620	7:50	Flow		SS-SM	97	Bio
Derby Wharf - Storm drain	630	7:21	T		SS-GM	10	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:15	Flow		SS-JT	1210	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:15	Flow		SS-BW	179	Bio
Riverhead Beach Culvert - Facing on right	701B	7:30	Flow		SS-BW	364	Bio
Stramski Beach - Stream before entering the beach	722	7:00	Flow		SS-BW	435	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	631	7:50	Flow		SS-BW	3,260	Bio

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:

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

Lab abbreviation: Bio = Biomarine Inc.

Flow ratings:

N = no water

S = some water which is stagnant

T = trickling flow

F = steady, continuous flow

16 East Main Street, Gloucester, Massachusetts 01930 - Phone: 978-281-0222

www.biomarinelab.com