

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2011

DATE:7/5/11

Samples Collected by Salem Sound Coastwatch staff and volunteers: **Barbara Warren (SS-BGW), Cheyenne Azadan (SS-CA)**

Francie Caudill (SS-FC), Carolyn Kelly (SS-CK), Patti Mitchell (SS-PM), Joan Nesbit (SS-JN), Lynn Atkinson (SS-LA)

Lenny Capello (SS-LC), James Tierney (SS-JT), Megan Warde (SS-MW), Gary Moore (SS-GM), Monica Gardner (SS-MG)

Bob Solda (SS-BS), Tricia Curley (SS-TC)

Weather Rating: **DRY**

Low Tide: **8:47 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	7:55			MCST	3,650	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	8:06			MCST	4,110	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:20			MCST	233	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:10	Flow		SS-MG	1,010	Bio
Rice Beach - Stream outlet on beach	214	7:20	T		SS-MG	84	Bio
Dane St. Beach - Lawrence Street brook at beach	321	8:09	Flow		SS-TC	1,590	Bio
Dane St. Beach - Easterly storm drain at beach	322	8:02	Flow		SS-TC	10	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	9:11	Flow		SS-GM	1,240	Bio
North River - Commercial Way near foot bridge	559	9:08	Flow		SS-GM	496	Bio
Juniper Beach - Storm drain on beach	620	7:00	Flow		SS-BS	892	Bio
Derby Wharf - Storm drain	630	9:19	Flow		SS-GM	<24,000	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	9:45	Flow		SS-MGSY	2,400	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	8:00	Flow		SS-CA	410	Bio
Riverhead Beach Culvert - Facing on right	701B	8:15	Flow		SS-CA	730	Bio
Stramski Beach - Stream before entering the beach	722	N/A	Flow		SS-MW	1,990	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	620	7:19	Flow	10	SS-SY	2,250	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

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