

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2014

8/26/2014

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

Gary Moore (SS-GM), Susan Stratton (SS-SS), Hannah Sinclair (SS-HS)

MCST: Lynn Atkinson, Carolyn Kelly, Francie Caudill, Susan Purser, Joan Nesbit, Kate Culhane

Weather Rating: DRY

Low Tide: 6:19 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	8:03	Flow		MCST	724	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:50	Flow		MCST	1,860	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	NS			MCST	NS	
Inlet into Tuck's Point, West Manchester	168	7:20	Flow		MCST	<10	Bio
Manchester Inner Harbor - off boat ramp	169	7:35	Flow		MCST	10	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:50	Flow	10	SS-HS	41	Bio
Rice Beach - Stream outlet on beach	214	7:30	Trickle	0	SS-HS	20	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:10	Trickle		SS-HS	95	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	6:59	Trickle		SS-GM	132	Bio
North River - Commercial Way near foot bridge	559	6:53	Trickle		SS-GM	148	Bio
Lafayette Street - Forest River	601	7:30	Flow	29	SS-BW	381	Bio
Juniper Beach - Storm drain on beach	620	8:00	Flow	10	SS-BW	1,990	Bio
Ocean Avenue - Storm drain on beach	623	NS			SS-BW	NS	
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:40	Flow		SS-BW	2,910	Bio
South River - off floating dock at Congress Street	643	7:07	Trickle		SS-GM	1,220	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:02	Flow		SS-SS	1,780	Bio
Stramski Beach - Stream before entering the beach	722	7:16	Flow		SS-SS	545	Bio
Village Street	721	7:28	Trickle		SS-SS	7,270	Bio
Peabody							
North River - Howley Street	500	6:45	Trickle		SS-GM	638	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	643	7:45	Flow	10	SS-BW	259	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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