

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2013

7/25/2013

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

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Weather Rating: DRY

Low Tide: 7:38 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	7:12	Flow	30	MCST	1,100	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:20	Flow	30	MCST	3,080	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:32	Trickle	5	MCST	52	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	9:30	Flow	10	SS-SY	1,110	Bio
Rice Beach - Stream outlet on beach	214	9:35	S	23	SS-SY	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	9:24	Flow	0	SS-SY	414	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	6:46	Flow		SS-GM	691	Bio
North River - Commercial Way near foot bridge	559	6:42	Flow		SS-GM	359	Bio
Juniper Beach - Storm drain on beach	620	9:14	Flow	12	SS-SY	754	Bio
Derby Wharf - Storm drain	630	7:02	Flow		SS-GM	908	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	9:05	Flow	30	SS-SY	313	Bio
Juniper Cove - Storm drain in	625					NS	
Collins Cove - Storm drain below Park	525					NS	
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	8:42	Flow	0	SS-SY	605	Bio
Riverhead Beach Culvert - Facing on right	701B					NS	Bio
Stramski Beach - Stream before entering the beach	722	8:32	Flow		SS-SY	1,860	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							
Weather ratings:						Flow ratings:	
Dry - Less than 0.2" the day of sampling or less than 0.5" within three days preceding sampling						N = no water	
Wet - More than 0.2" the day of sampling or more than 0.5" within three days preceding sampling						S = some water which is stagnant	
Lab abbreviation: Bio = Biomarine Inc.						T = trickling flow	
						F = steady, continuous flow	

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