

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2017

Date: 6/13/17

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

Susan Stratton (SS-SS), Gary Moore (SS-GM), Kerry Chan (KC-SS), John Sullivan (JS-SS)

MCST: Lynn Atkinson, Carolyn Kelly, Francie Caudill

Weather Rating: **DRY**

Low Tide: **7 8:31AM**

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	7:15	F	10	MCST	1,320	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:25	F	7	MCST	682	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:40	F	0	MCST	52	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:12	F	2	SS-KC	184	Bio
Rice Beach - Stream outlet on beach	214	7:35	T	3	SS-KC	130	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:47	F	3	SS-KC	272	Bio
Salem							
North River 114	537	7:23	T		SS-GM	63	Bio
North River Footbridge	559	7:18	T		SS-GM	96	Bio
Juniper Beach - Storm drain on beach	620	7:25	T	8	SS-BW	20	Bio
Connors Street, Collins Cove	NEW	7:15	T	25	SS-BW	20	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:34	T		SS-GM	84	Bio
Marblehead							
Riverhead Beach Culvert - Facing on right	701	7:33	F		SS-SS	331	Bio
Stramski Beach - Stream before entering the beach	722	7:01	F		SS-TM	288	Bio
Village Street	721	7:03	F	0	SS-JS	156	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

Flow ratings:

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

N = no water

S = some water which is stagnant

T = trickling flow

F = steady, continuous flow

Lab abbreviation: Bio = Biomarine Inc.

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