

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2017

Date: 7/11/17

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), Tom Maddux (SS-TM)

MCST: Lynn Atkinson, Carolyn Kelly, Francie Caudill

Weather Rating: WET

Low Tide: 7:26AM

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	7:26	Flow	24	MCST	1,150	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:35	Flow	15	MCST	1,620	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:48	Flow	0	MCST	570	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:10	Flow		SS-KC	710	Bio
Rice Beach - Stream outlet on beach	214	7:23	Flow		SS-KC	3,970	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:40	Flow		SS-KC	5,790	Bio
Salem							
North River 114	537	7:05	Flow		SS-GM	6,130	Bio
North River Footbridge	559	7:01	Flow		SS-GM	10,460	Bio
Juniper Beach - Storm drain on beach	620	7:12	Flow		SS-BW	8,660	Bio
Conners Street, Collins Cove	525	7:05	Flow		SS-BW	7,150	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:17	Flow		SS-GM	>24,200	Bio
North River near footbridge on Leslie's Retreat side	501	9:15	T	7	SS-BW	700	Bio
North River near dog park on Leslie's Retreat side	522	8:45	T	16	SS-BW	1,200	Bio
Marblehead							
Riverhead Beach Culvert - Facing on right	701	7:23	Flow		SS-SS	2,850	Bio
Stramski Beach - Stream before entering the beach	722	7:15	Flow		SS-TM	5,480	Bio
Village Street	721	7:05	Flow	0	SS-JS	5,170	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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