

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2017 Date: August 22, 2017

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: DRY

Low Tide: 6:08 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	7:20	Flow	30	MCST	1,850	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:32	Flow	30	MCST	1,860	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:43	Flow	0	MCST	52	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:01	Flow	12	SS-KC	85	Bio
Rice Beach - Stream outlet on beach	214	7:22	S		SS-KC	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:35	Flow	0	SS-KC	31	Bio
Salem							
North River 114	537	6:30	T		SS-GM	<10	Bio
North River Footbridge	559	6:23	T		SS-GM	31	Bio
Juniper Beach - Storm drain on beach	620	7:30	Flow	8	SS-BW	676	Bio
Conners Street, Collins Cove	525	7:45	T	32	SS-BW	132	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	6:45	Flow		SS-GM	3,280	Bio
Marblehead							
Riverhead Beach Culvert - Facing on right	701	7:35	Flow		SS-SS	74	Bio
Stramski Beach - Stream before entering the beach	722	7:30	T		SS-TM	583	Bio
Village Street	721	7:36	N		SS-JS	NS	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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