

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2017 Date: August 8, 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: 7:16 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	7:16	Flow	26	MCST	1,630	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:23	Flow	25	MCST	1,140	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:36	Flow	0	MCST	108	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:05	Flow	7	SS-KC	148	Bio
Rice Beach - Stream outlet on beach	214	NS	S		SS-KC	NS	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:40	Flow	0	SS-KC	85	Bio
Salem							
North River 114	537	7:08	Flow		SS-GM	292	Bio
North River Footbridge	559	7:01	Flow		SS-GM	52	Bio
Juniper Beach - Storm drain on beach	620	7:05	Flow	16	SS-BW	563	Bio
Conners Street, Collins Cove	525	7:18	T	30	SS-BW	146	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:18	Flow		SS-GM	364	Bio
Marblehead							
Riverhead Beach Culvert - Facing on right	701	8:05	Flow		SS-SS	156	Bio
Stramski Beach - Stream before entering the beach	722	7:01	Flow		SS-TM	3,870	Bio
Village Street	721	7:15	Flow	0	SS-JS	620	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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