

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2017

Date: 6/27/17

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: DRY**

**Low Tide: 8:26 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
<b>Manchester</b>							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:25	Flow	28	MCST	<b>315</b>	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:35	Flow	13	MCST	<b>1,500</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:55	Flow		MCST	5	Bio
<b>Beverly</b>							
Patch Beach - Brackenbury Lane	213	7:02	Flow	13	SS-KC	<b>155</b>	Bio
Rice Beach - Stream outlet on beach	214	7:19	T	4	SS-KC	<b>379</b>	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:40	Flow		SS-KC	<b>328</b>	Bio
<b>Salem</b>							
North River 114	537	6:54	Flow		SS-GM	41	Bio
North River Footbridge	559	6:50	Flow		SS-GM	52	Bio
Juniper Beach - Storm drain on beach	620	7:05	Flow		SS-BW	<10	Bio
Conners Street, Collins Cove	525	7:15	Flow	30	SS-BW	<b>233</b>	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:14	Flow		TK-SS	<b>110</b>	Bio
<b>Marblehead</b>							
Riverhead Beach Culvert - Facing on right	701	NS			SS-SS	NS	Bio
Stramski Beach - Stream before entering the beach	722	7:02	Flow		SS-TM	<b>259</b>	Bio
Village Street	721	7:29	T		SS-SS	<b>1,270</b>	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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