Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results **SUMMER 2014** **7/29/2014**

Samples Collected by Salem Sound Coastwatch staff and volunteers: Barbara Warren (SS-BW), Susan Yochelson (SS-SY)
Gary Moore (SS-GM), Susan Stratton (SS-SS), Hannah Sinclair (SS-HS)
MCST: Lynn Atkinson, Carolyn Kelly, Francie Caudill, Susan Purser, Joan Nesbit, Kate Culhane, Eric Magers and Kurt Statz-Geary
Weather Rating: WET **Low Tide: 7:26 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
Manchester							
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:35	Flow	25	MCST	**706**	Bio
Wolf Trap Estuary - East side from wooden bridge in marsh	161E	7:45	Flow	22	MCST	**1,540**	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:55	Flow		MCST	**435**	Bio
Inlet into Tuck's Point, West Manchester	168	NS			MCST	NS	Bio
Manchester Inner Harbor - off boat ramp	169	7:10	Flow	21	MCST	**173**	Bio
Beverly							
Patch Beach - Brackenbury Lane	213	7:59	Flow	5	SS-HS	**1,720**	Bio
Rice Beach - Stream outlet on beach	214	7:49	Flow	0	SS-HS	**1,600**	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:37	Flow		SS-HS	**605**	Bio
Salem							
North River - Upstream of Rt. 114 overpass, Commercial Way	537	7:13	Flow		SS-GM	**1,590**	Bio
North River - Commercial Way near foot bridge	559	7:08	Flow		SS-GM	**884**	Bio
Juniper Beach - Storm drain on beach	620	7:55	Flow	7	SS-BW	**11,200**	Bio
Ocean Avenue - Storm drain on beach	623	7:30	Flow		SS-BW	**3,870**	Bio
South River - off floating dock at Congress Street	643	7:23	Flow		SS-GM	**1,790**	Bio
Palmer Cove - Storm drain below Palmer Cove Playground	631	7:40	Flow	21	SS-BW	**1,940**	Bio
Lafayette Street - Forest River	601	7:20	Flow	25	SS-BW	**201**	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:28	Flow		SS-SS	**762**	Bio
Stramski Beach - Stream before entering the beach	722	7:42	Flow		SS-SS	**122**	Bio
Village Street	721	7:53	Flow		SS-SS	**428**	Bio
Peabody							
North River - Howley Street	500	6:55	Flow		SS-GM	**2,390**	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	620	7:56	Flow	7	SS-BW	**9,800**	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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