

Salem Sound Coastwatch Clean Beaches and Streams

Water Monitoring Results

May 17, 2007

Samples Collected by Salem Sound Coastwatch staff and volunteers: Barbara Warren (SS-BW), Susan Yochelson (SS-SY), Fiona Lubbock(SS-FL), Joan McIntyre (SS-JM), Francie Caudill (SS-FC), Patti Mitchell,(SS-PM), Carolyn Kelly (SS-CK), Kathy Martin (SS-KM), Susan Marsh (SS-SM), Marilyn McCrory (SS-MM), Tony Wilbur (SS-TW), Marty Amberg (SS-MA), Christine Downs (SS-CD), Gary Moore (SS-GM), Lauren Montana (SS-LM), Kelly Story (SS-KS), Joan Nesbit (SS-JN)

Weather Rating: WET (5/15-5/16 = .88")

Tide: 6:09 AM

May 16 - new moon and 11:38pm hi tide = 11.2'

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	Flow	Salinity	Sample Collected	Enterococci per 100 mL	Lab
Manchester							
Wolf Trap Brook - 9 Magnolia Ave	160	7:14	F	3 ppt	SS-PM/KN	210	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:20	F	4 ppt	SS-PM/KN	60	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:30	F	12 ppt	SS-PM/KN	470	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh	161E	7:40	F	23 ppt	SS-PM/KN	480	Bio
Wolf Trap Estuary- west side at private driveway off Ocean St	161W	7:45	F	2 ppt	SS-PM/KN	170	Bio
Coolidge Point - Black Beach	151	NS				NS	Bio
Beverly							
Brackenbury Beach - stream from 4' x 4' Culvert	213	7:17	F	3 ppt	SS-LM/CD	550	Bio
Brackenbury Beach - concrete culvert to the east (18" dia.)	213A	7:22	F	8 ppt	SS-LM/CD	250	Bio
South of Hale Street	213E	6:57	F	2 ppt	SS-LM/CD	640	Bio
Centerville Brook at Tall Tree Dr	213F	7:07			SS-LM/CD	430	Bio
East drainage to 213A - Endicott College		NS				NS	Bio
Rice Beach - streamfall onto beach	214	7:36		1 ppt		640	Bio
Dane St. Beach - Lawrence Street brook at beach	321	6:46	F		SS-MM	660	Bio
Dane St. Beach - easterly storm drain at beach	322	6:54	T		SS-MM	160	Bio
Kernwood Bridge - 8" outfall	352	NS			SS-TW	NS	Bio
Danvers							
Porter River at Rt. 62 and Holten-Richmond School	400	NS				NS	Bio
Frost Fish Brook		NS				NS	Bio
Peabody							
North River - downstream of Howley Street Bridge	500	NS				NS	Bio
Salem							
North River - upstream of Rt. 114 overpass, Commercial Way	537	6:46	F		SS-GM	630	Bio
North River - Commercial Way near foot bridge	559	6:40	F		SS-GM	1,000	Bio
Forest River Park - Pioneer Village	634	NS					Bio
Juniper Beach - storm drain on beach	620	6:10	F		SS-SM	<10	Bio
Derby Wharf - storm drain	630	6:53	F		SS-GM	150	Bio
Brookhouse corner of Derby and Orange Sts.	BH	6:58			SS-GM	<10	
Palmer Cove - storm drain below Palmer Cove Playground	631	7:25	F		SS-KS	<10	Bio
Willow Ave. Beach	642	7:17	T		SS-KS	180	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:35	F		SS-KM	1,800	Bio
Riverhead Beach Culvert - facing on left	701A	7:35	F	10 ppt	SS-FL/RS	380	Bio
Riverhead Beach Culvert - facing on right	701B	NS					Bio
Stramski Beach-Stream draining across beach	722	7:11	F		SS-JM	430	Bio
Stramski Way-Dodge Road drainage	722A	7:01	T		SS-JM	120	Bio
Stramski Way-Pitman Street drainage	722B	6:44	F		SS-JM	430	Bio
Goldthwait marsh - east outlet	740	7:27	F	25 ppt	SS-FL/RS	280	Bio
Goldthwait marsh - northwest fresh water inlet	741	7:16	T	0 ppt	SS-FL/RS	130	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	231E	7:09	F	2 ppt	SS-LM/CD	560	Bio

*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