

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

April 19, 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), Eric Hacker (SS-EH), Christine Downs (SS-CD), Gary Moore (SS-GM), Lauren Montana (SS-LM), Kelly Story (SS-KS), Joan Nesbit (SS-JN)

Weather Rating: WET

Tide: 7:18 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 Community	by	Site Number	Time of Sampling	Flow	Salinity	Sample Collected by	Enterococci per 100 mL	Lab
Manchester								
Wolf Trap Brook - 9 Magnolia Ave		160	8:23	F		SS-FC/PM/KN	<10	Bio
Wolf Trap Brook - Downstream of Rt. 127		160D	8:35	F		SS-FC/PM/KN	<10	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach		161	8:45	F	20 ppt	SS-FC/PM/KN	20	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh		161E	8:50	F	11 ppt	SS-FC/PM/KN	<10	Bio
Wolf Trap Estuary- west side at private driveway off Ocean St		161W	9:05	F	3 ppt	SS-FC/PM/KN	60	Bio
Coolidge Point - Black Beach		151	NS				NS	Bio
Beverly								
Brackenbury Beach - stream from 4' x 4' Culvert		213	8:50	F	2 ppt	SS-BW/SY	120	Bio
Brackenbury Beach - concrete culvert to the east (18" dia.)		213A	9:00	F		SS-BW/SY	40	Bio
South of Hale Street		213E	8:40	F		SS-BW/SY	420	Bio
Centerville Brook at Tall Tree Dr		213F	NS				NS	Bio
East drainage to 213A - Endicott College			NS				NS	Bio
Rice Beach - streamfall onto beach		214	NS				NS	Bio
Dane St. Beach - Lawrence Street brook at beach		321	NS				NS	Bio
Dane St. Beach - easterly storm drain at beach		322	NS				NS	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	6:53	F		SS-GM	820	Bio
North River - Commercial Way near foot bridge		559	6:45	F		SS-GM	510	Bio
Forest River Park - Pioneer Village		634	NS				NS	Bio
Juniper Beach - storm drain on beach		620	8:28	F	4 ppt	SS-BW/SY	40	Bio
Derby Wharf - storm drain		630	7:05	F		SS-GM	8,200	Bio
Palmer Cove - storm drain below Palmer Cove Playground		631	8:33	F		SS-KS	10	Bio
Willow Ave. Beach		642	8:25	F		SS-KS	50	Bio
Marblehead								
Dolliber Cove Creek - Grace Oliver Beach		700	8:10	F		SS-KM	270	Bio
Riverhead Beach Culvert - facing on left		701A	8:42	F	7 ppt	SS-FL	90	Bio
Riverhead Beach Culvert - facing on right		701B	NS				NS	Bio
Stramski Beach-Stream draining across beach		722	7:48	F	0 ppt	SS-BW/SY	<10	Bio
Stramski Way-Dodge Road drainage		722A	8:03	F		SS-BW/SY	10	Bio
Stramski Way-Pitman Street drainage		722B	7:56	F		SS-BW/SY	10	Bio
Goldthwait marsh - east outlet		740	8:30	F	24 ppt	SS-FL	160	Bio
Goldthwait marsh - northwest fresh water inlet		741	8:15	F	0 ppt	SS-FL	80	Bio
Quality Assurance/Quality Control								
Duplicate Sample collected		620	8:28	F	4 ppt	SS-BW/SY	10	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