

Salem Sound Coastwatch Clean Beaches and Streams

Water Monitoring Results

May 31, 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-AM) Christine Downs (SS-CD), Gary Moore (SS-GM), Lauren Montana (SS-LM), Kelly Story (SS-KS), Joan Nesbit (SS-JN)

Weather Rating: DRY

Tide: 5:41 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	Flow	Salinity	Sample Collected	Enterococci per 100 mL	Lab
<u>Manchester</u>							
Wolf Trap Brook - 9 Magnolia Ave	160	6:55	F		SS-CK/JN	10	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	7:05	F		SS-CK/JN	40	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:07	F	7 ppt	SS-CK/JN	410	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh	161E	7:23	F	4 ppt	SS-CK/JN	170	Bio
Wolf Trap Estuary- west side at private driveway off Ocean St	161W	7:35	F	3 ppt	SS-CK/JN	50	Bio
Coolidge Point - Black Beach	151	NS				NS	Bio
<u>Beverly</u>							
Brackenbury Beach - stream from 4' x 4' Culvert	213	6:19	F	4 ppt	SS-LM/CD	380	Bio
Brackenbury Beach - concrete culvert to the east (18" dia.)	213A	6:17	F	3 ppt	SS-LM/CD	1,700	Bio
South of Hale Street	213E	5:56	F	0 ppt	SS-LM/CD	1,800	Bio
Centerville Brook at Tall Tree Dr	213F	6:07	F	0 ppt	SS-LM/CD	70	Bio
East drainage to 213A - Endicott College		NS				NS	Bio
Rice Beach - streamfall onto beach	214	6:35	T	1 ppt	SS-LM/CD	20	Bio
Dane St. Beach - Lawrence Street brook at beach	321	6:45	F		SS-MM	800	Bio
Dane St. Beach - easterly storm drain at beach	322	6:52	T		SS-MM	80	Bio
Kernwood Bridge - 8" outfall	352	NS			SS-TW	NS	Bio
<u>Danvers</u>							
Porter River at Rt. 62 and Holten-Richmond School	400	NS				NS	Bio
Frost Fish Brook		NS				NS	Bio
<u>Peabody</u>							
North River - downstream of Howley Street Bridge	500	NS				NS	Bio
<u>Salem</u>							
North River - upstream of Rt. 114 overpass, Commercial Way	537	6:37	T		SS-GM	500	Bio
North River - Commercial Way near foot bridge	559	6:30	F		SS-GM	70	Bio
Forest River Park - Pioneer Village	634	7:00	T		SS-BW	170	Bio
Juniper Beach - storm drain on beach	620	NS				NS	Bio
Derby Wharf - storm drain	630	6:47	T		SS-GM	680	Bio
Brookhouse corner of Derby and Orange Sts.	BH	6:51	T		SS-GM	<10	
Palmer Cove - storm drain below Palmer Cove Playground	631	6:52	F		SS-KS	<10	Bio
Willow Ave. Beach	642	6:44	T		SS-KS	210	Bio
<u>Marblehead</u>							
Dolliber Cove Creek - Grace Oliver Beach	700	6:38	F		SS-KM	480	Bio
Riverhead Beach Culvert - facing on left	701A	7:31	F	7 ppt	SS-FL/RS	1,500	Bio
Riverhead Beach Culvert - facing on right	701B	NS				NS	Bio
Stramski Beach-Stream draining across beach	722	7:19	F		SS-JM	180	Bio
Stramski Way-Dodge Road drainage	722A	7:14	T		SS-JM	80	Bio
Stramski Way-Pitman Street drainage	722B	7:09	F		SS-JM	250	Bio
Goldthwait marsh - east outlet	740	7:26	F	22 ppt	SS-FL	230	Bio
Goldthwait marsh - northwest fresh water inlet	741	7:20	F	0 ppt	SS-FL	170	Bio
<u>Quality Assurance/Quality Control</u>							
Duplicate Sample collected	634	7:00	T		SS-BW	140	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

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