

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

Summer 2007

7/19/2007

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 Montano (SS-LM), Kelly Story (SS-KS), Joan Nesbit (SS-JN)

Weather Rating: DRY

Low Tide: 9:20AM

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	8:10	F		SS-FC/JN	460	Bio
Wolf Trap Brook - Downstream of Rt. 127		160D	8:15	F		SS-FC/JN	580	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach		161	8:25	F	24	SS-FC/JN	460	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh		161E	8:30	F	23	SS-FC/JN	600	Bio
Wolf Trap Estuary- west side at private driveway off Ocean St		161W	8:50	F	3	SS-FC/JN	360	Bio
Beverly								
Brackenbury Beach - stream from 4' x 4' Culvert		213	8:36	S	0	SS-CD/LM	1,200	Bio
Brackenbury Beach - concrete culvert to the east (18" dia.)		213A	8:41	F	0	SS-CD/LM	550	Bio
South of Hale Street		213E	8:26	F	13	SS-CD/LM	8,000	Bio
Centerville Brook at Tall Tree Dr		213F	8:18	F	14	SS-CD/LM	390	Bio
Rice Beach - streamfall onto beach		214	8:56	N		SS-CD/LM	Dry	Bio
Dane St. Beach - Lawrence Street brook at beach		321	9:25	F		SS-MP/SY	2,200	Bio
Dane St. Beach - easterly storm drain at beach		322	9:19	F		SS-MP/SY	270	Bio
Kernwood Bridge - 8" outfall		352	9:00	F		SS-AW	40	Bio
Danvers								
Porter River Sandy Beach		430	N/A	N/A	N/A		N/A	Bio
Porter River Rt. 35 - boat ramp at Bunky's Marina		401	9:02	F		SS-MP/SY	230	Bio
Porter River at Rt. 62 and Holten-Richmond School		400	8:55	F		SS-MP/SY	7,700	Bio
Frost Fish Brook - Hemlock St.		458H	8:05	F		SS-MP/SY	9,200	Bio
Frost Fish Brook - between Colgate and Bowdoin Streets		471U	8:27	F		SS-MP/SY	5,300	Bio
Donegal Brook Tributary to Frost Fish Brook		471	8:25	F		SS-MP/SY	1,800	Bio
Frost Fish Brook - end of Princeton St.		474S	8:39	F		SS-MP/SY	6,000	Bio
Salem								
North River - upstream of Rt. 114 overpass, Commercial Way		537	N/A	N/A	N/A		N/A	Bio
North River - Commercial Way near foot bridge		559	N/A	N/A	N/A		N/A	Bio
Juniper Beach - storm drain on beach		620	7:23	F		SS-SM	40	Bio
Derby Wharf - storm drain		630	N/A	N/A	N/A	SS-GM	N/A	Bio
Palmer Cove - storm drain below Palmer Cove Playground		631	9:16	F		SS-KS	120	Bio
Willow Ave. Beach		642	9:10	T		SS-KS	340	Bio
Marblehead								
Dolliber Cove Creek - Grace Oliver Beach		700	8:43	F		SS-AS	4,300	Bio
Front St- before Fort Sewall		FS1	8:28	F		SS-AS	730	Bio
Riverhead Beach Culvert - facing on left		701A	8:40	F	30	SS-FL	630	Bio
Stramski Beach-Stream draining across beach		722	9:14	T		SS-JM	3,500	Bio
Stramski Way-Dodge Road drainage		722A	9:06	T		SS-JM	4,000	Bio
Stramski Way-Pitman Street drainage		722B	8:57	T		SS-JM	4,800	Bio
Goldthwait marsh - east outlet		740	8:35	F	30	SS-FL	280	Bio
Goldthwait marsh - northwest fresh water inlet		741	8:25	T	0	SS-FL	210	Bio
Quality Assurance/Quality Control								
Duplicate Sample collected		700	8:20	F		SS-KM	4,300	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