

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

Summer 2005

Date of Sample Collection: 08/09/05

Report Issue Date: 08/10/05

Samples Collected by Salem Sound Coastwatch staff and volunteers: Barbara Warren (SS-BW), Gary Moore (SS-GM), Richard Sides (SS-RS), Mary Katz (SS-MK), Joan McIntyre (SS-JM), Francie Caudill (SS-FC), Kathy Martin (SS-KM), Susan Marsh (SS-SM), Marilyn McCrory (SS-MM), Robert Solda (SS-RS), Linda Sneddon-Price (SS-SP), Paul Kelly (SS-PK), Bill Fusco (SS-BF), Jenna Ide (SS-JI), Tony Wilbur (SS-TW)

Weather Rating: DRY

Low Tide: 8:46 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	Sample Collected by	Enterococci per 100 mL	Lab
Marblehead						
Stramski Beach-Stream draining across beach	722	7:49	F	SS-JM	1,038	EPA
Stramski Way-Dodge Road drainage	722A	7:51	T	SS-JM	996	EPA
Stramski Way-Pitman Street drainage	722B	8:04	F	SS-JM	4	EPA
Dolliber Cove Creek - Grace Oliver Beach	700	7:45	T	SS-KM	507	EPA
Riverhead Beach Culvert - facing on left	701A	8:59	F	SS-RG	310	EPA
Riverhead Beach Culvert - facing on right	701B	9:00	T	SS-RG	289	EPA
Beverly						
Dane St. Beach - western storm drain at beach	322	7:04	T	SS-MM	64	EPA
Dane St. Beach - Lawrence Street brook at beach	321	6:55	T	SS-MM	129	EPA
Rice Beach - stream outfall onto beach	214	7:08	N	SS-JI	<i>No flow</i>	
Rice Beach - stream draining from under shed	214A	7:10	T	SS-JI	2,190	EPA
Brackenbury Beach - stream from 4' x 4' Culvert	213	7:45	S	SS-SP	250	EPA
Brackenbury Beach - concrete culvert to the east (18" dia.)	213A	7:50	N	SS-SP	<i>No flow</i>	
Brackenbury Beach - storm drain 100 ft west of road	222	7:40	T	SS-SP	420	EPA
Kernwood Bridge- Beverly side	352	7:00	F	SS-TW	115	EPA
Salem						
North River - upstream of Rt. 114 overpass, Commercial Way	537	6:44	S	SS-GM	8,664	EPA
North River - Commercial Way near foot bridge	559	6:40	S	SS-GM	507	EPA
Juniper Beach - storm drain on beach	620	8:00	F	SS-SM	4,814	EPA
Palmer Cove - storm drain at Shetland Park	629	8:29	F	SS-RS	468	EPA
Derby Wharf - storm drain	630	6:52	T	SS-GM	9,678	EPA
Palmer Cove - storm drain below Palmer Cove Playground	631	8:10	F	SS-PK	12	EPA
Willow Ave. Beach	642	8:20	F	SS-PK	>24,196	EPA
Manchester						
Bennett's Brook (at Bennett Street)	149	7:15	T	SS-BF	1,642	EPA
Coolidge Point - Black Beach	151	7:20	T	SS-FC	606	EPA
Danvers						
Sandy Beach - outfall pipe	430	7:38	T	SS-BW	147	EPA
Quality Assurance/Quality Control						
Duplicate Sample collected	430-dupe	7:41	T	SS-BW	34	EPA

*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: EPA = US Environmental Protection Agency,

Office of Environmental Measurement and Evaluation; Region 1 -

New England Laboratory using Enterolert with Idexx Quanti-try

Flow ratings:

N = no water

S = some water which is stagnant

T = trickling flow

F = steady, continuous flow