

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

Summer 2005

Date of Sample Collection: 06/21/05

Report Issue Date: 06/28/05

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), Susan Marsh (SS-SM), Robert Solda (SS-RS), Linda Sneddon-Price (SS-SP), Luke Andrews (SS-LA), Bill Fusco (SS-BF)

Weather Rating: DRY

Low Tide: 5:00 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	7:15	F	SS-JM	293	EPA
Stramski Way-Dodge Road drainage	722A	7:10	T	SS-JM	666	EPA
Stramski Way-Pitman Street drainage	722B	7:05	T	SS-JM	54	EPA
Dolliber Cove Creek - Grace Oliver Beach	700	7:45	F	SS-BW	159	EPA
Riverhead Beach Culvert - facing on left	701A	7:20	T	SS-RG	265	EPA
Riverhead Beach Culvert - facing on right	701B	7:22	F	SS-RG	281	EPA
Preston Beach Culvert	800	7:35	F	SS-BW	21	EPA
Beverly						
Dane St. Beach - western storm drain at beach	322	6:40	F	SS-LA	239	EPA
Dane St. Beach - Lawrence Street brook at beach	321	6:34	F	SS-LA	222	EPA
Rice Beach - stream outfall onto beach	214	6:15	F	SS-SP	NS	EPA
Rice Beach - stream draining from under shed	214A	6:20	F	SS-SP	NS	EPA
Brackenbury Beach - stream from 4' x 4' Culvert	213	7:30	F	SS-SP	167	EPA
Brackenbury Beach - concrete culvert to the east (18" dia.)	213A	7:35	T	SS-SP	159	EPA
Brackenbury Beach - storm drain 100 ft west of road	222	7:25	F	SS-SP	132	EPA
Wilson Street- beach seepage below rusted steel upright	350s	6:50	F	SS-LA	ND	EPA
Salem						
North River - upstream of Rt. 114 overpass, Commercial Way	537	6:25	T	SS-GM	2,318	EPA
North River - Commercial Way near foot bridge	559	6:30	T	SS-GM	127	EPA
Juniper Beach - storm drain on beach	620	6:15	F	SS-CB	81,640	EPA
Palmer Cove - storm drain at Shetland Park	629	7:02	F	SS-RS	1,730	EPA
Derby Wharf - storm drain	630	6:38	T	SS-GM	475	EPA
Palmer Cove - storm drain below Palmer Cove Playground	631	6:00	F	SS-MK	8	EPA
Willow Ave. Beach	642	6:12	F	SS-MK	3,300	EPA
Manchester						
Bennett's Brook (at Bennett Street)	149	7:00	T	SS-BF	187	EPA
Coolidge Point - Black Beach	151	7:15	F	SS-FC	105	EPA
Quality Assurance/Quality Control						
Duplicate Sample collected	722A-dupe	7:35	F	SS-BW	875	EPA

*Numbers in bold exceed Class A, B and C standards as specified by the EPA (EPA-823-R-03-008): Enterococcus > 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