

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

Summer 2005

Date of Sample Collection: 09/20/05

Report Issue Date: 10/07/05

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-BS), 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: 7:20 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	7:34	T	SS-JM	2318	EPA
Stramski Way-Dodge Road drainage	722A	7:30	T	SS-JM	4,813	EPA
Stramski Way-Pitman Street drainage	722B	7:18	T	SS-JM	5,654	EPA
Dolliber Cove Creek - Grace Oliver Beach	700				NS	
Riverhead Beach Culvert - facing on left	701A	8:16	F	SS-RS	384	EPA
Riverhead Beach Culvert - facing on right	701B	8:17	F	SS-RS	1,164	EPA
Beverly						
Dane St. Beach - western storm drain at beach	322	7:07	T	SS-MM	16	EPA
Dane St. Beach - Lawrence Street brook at beach	321	6:58	T	SS-MM	62	EPA
Rice Beach - stream outfall onto beach	214	8:00	N	SS-BW	No flow	
Rice Beach - stream draining from under shed	214A	8:05	T	SS-BW	3,683	EPA
Brackenbury Beach - stream from 4' x 4' Culvert	213	8:30	F	SS-SP	287	EPA
Brackenbury Beach - concrete culvert to the east (18" dia.)	213A	8:35	F	SS-SP	208	EPA
Brackenbury Beach - storm drain 100 ft west of road	222	8:20	T	SS-SP	512	EPA
Kernwood Bridge- Beverly side	352				NS	
Salem						
North River - upstream of Rt. 114 overpass, Commercial Way	537	7:17	T	SS-GM	> 9678	EPA
North River - Commercial Way near foot bridge	559	7:14	T	SS-GM	5654	EPA
Juniper Beach - storm drain on beach	620	7:25	T	SS-SM	> 9678	EPA
Palmer Cove - storm drain at Shetland Park	629	8:27	F	SS-BS	1741	EPA
Derby Wharf - storm drain	630	7:26	T	SS-GM	471	EPA
Palmer Cove - storm drain below Palmer Cove Playground	631	6:35	F	SS-PK	30	EPA
Willow Ave. Beach	642	6:41	F	SS-PK	> 9678	EPA
Manchester						
Bennett's Brook (at Bennett Street)	149				NS	
Coolidge Point - Black Beach	151	7:20	F	SS-FC	587	EPA
Danvers						
Sandy Beach - outfall pipe	430				NS	
Quality Assurance/Quality Control						
Duplicate Sample collected	214A	8:05	T	SS-BW	3,266	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