

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

Summer 2006

Date of Sample Collection: 08/23/06

Final Report Issue Date: 09/01/06

Samples Collected by Salem Sound Coastwatch staff and volunteers: Barbara Warren (SS-BW), Susan Yochelson (SS-SY), Mary Katz (SS-MK), Joan McIntyre (SS-JM), Francie Caudill (SS-FC), Kathy Martin (SS-KM), Susan Marsh (SS-SM), Marilyn McCrory (SS-MM), Frank Saunders (SS-FS), Eric Hacker (SS-EH), Christine Downs (SS-CD), Kelly Story (SS-KS), Gary Moore (SS-GM)

Weather Rating: **DRY**

Low Tide: 5:49 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
Manchester						
Coolidge Point - Black Beach	151	6:00	Flow	SS-FS	49	EPA
Black Beach - Wolf Trap estuary	160	6:10	Flow	SS-FS	1,462	EPA
Wolf Trap upstream	161	6:15	Flow	SS-FS	117	EPA
Beverly						
Brackenbury Beach - stream from 4' x 4' Culvert	213	7:03	Flow	SS-EH	555	EPA
Brackenbury Beach - concrete culvert to the east (18" dia.)	213A	6:58	Flow	SS-EH	550	EPA
Brackenbury Beach - storm drain 100 ft west of road	222	7:10	Flow	SS-EH	804	EPA
Dane St. Beach - Lawrence Street brook at beach	321	6:51	Flow	SS-MM	244	EPA
Dane St. Beach - easterly storm drain at beach	322	7:00	Trickle	SS-MM	974	EPA
Dane St. Beach - western storm drain at beach	323	7:06	Flow	SS-MM	89	EPA
Danvers						
Porter River at Rt. 62 and Holten-Richmond School	400	7:08	Flow	SS-CD/SY	2,190	EPA
Crane River - seepage from under retaining wall	432A	7:21	Trickle	SS-CD/SY	432	EPA
Peabody						
North River - downstream of Howley Street Bridge	500	6:52	Flow	SS-GM	336	EPA
Salem						
North River - upstream of Rt. 114 overpass, Commercial Way	537	7:04	Trickle	SS-GM	>9678	EPA
North River - Commercial Way near foot bridge	559	6:58	Flow	SS-GM	402	EPA
Juniper Beach - storm drain on beach	620	6:39	Flow	SS-CD/SY	124	EPA
Derby Wharf - storm drain	630	7:14	Trickle	SS-GM	6,212	EPA
Palmer Cove - storm drain below Palmer Cove Playground	631	6:35	Flow	SS-BW	233	EPA
Willow Ave. Beach	642	6:48	Trickle	SS-BW	568	EPA
Pioneer Village - Pond	634	7:00	pond	SS-BW	899	EPA
Marblehead						
Dollier Cove Creek - Grace Oliver Beach	700	7:18	Flow	SS-KM	90	EPA
Riverhead Beach Culvert - facing on left	701A	7:35	Flow	SS-KS	326	EPA
Riverhead Beach Culvert - facing on right	701B	7:37	Flow	SS-KS	174	EPA
Stramski Beach-Stream draining across beach	722	7:44	Flow	SS-BW	534	EPA
Stramski Way-Dodge Road drainage	722A	7:40	Trickle	SS-BW	219	EPA
Stramski Way-Pitman Street drainage	722B	7:30	Flow	SS-BW	2,005	EPA
Quality Assurance/Quality Control						
Duplicate Sample collected	634	7:00	pond	SS-BW	634	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