

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

Summer 2003

Date of Sample Collection: 7/15/03

Report Issue Date: 7/16/03

Samples Collected by Salem Sound Coastwatch staff and volunteers: Mary Reilly (SS-MR), Christina and Teegan Bash (SS-CB), Jim Seavey (SS-JS), Marilyn McCrory (SS-MM), Joan McIntyre (SS-JM), Mary Sullivan (SS-MS), Stephanie Raby (SS-SR), Daniel Noon (SS-DN), Susan Marsh (SM), Bob Solda (RS) and Curtis Healy (SS-CH)

Weather Rating: Dry

Low Tide: 7:05

Salem Sound Coastwatch's Clean Beaches and Streams Program is an ongoing water quality monitoring program that collects data 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 Mary Reilly 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	Fecal coliform per 100 mL	Enterococci per 100 mL	Lab
Marblehead							
Riverhead Beach-Large storm drain at boat landing	701	7:59	F	SS-JM	500	500	BIO
Stramski Beach-Stream draining across beach	722	7:44	F	SS-JM	700	400	BIO
Preston Beach	PRE	9:00	F	SS-CH	400	400	BIO
Beverly							
Dane Street Beach							
Northern storm drain at beach	322	7:50	T	SS-MM	500	600	BIO
Lawrence Street brook at beach	321	7:38	F	SS-MM	400	<100	BIO
Rice Beach-Stream draining across beach	214	7:20	S	SS-MM	800	1,000	BIO
Mingo Beach-Storm drain at beach	212	8:45	N	SS-JS	400	100	BIO
Brackenberry Beach-Stream draining across beach	213	8:28	F	SS-JS	1,700	1,400	BIO
Southwestern storm drain at beach	222	8:24	T	SS-JS	700	400	BIO
Danvers							
Eden Glen Ave. Pipe	491b	7:40	F	SS-RS	3,400	200	BIO
Waters River (at Route 35)	403	7:30	F	SS-DN	400	400	BIO
Salem							
Juniper Beach-storm drain on beach	620	7:05	F	SS-SM	970,000	37,000	BIO
Juniper Cove-storm drain on Steps Beach (Columbus Ave.)	625	8:25	S	SS-MR	200	<100	BIO
Collins Cove - storm drain below Collins Cove Park	525	7:28	N	SS-CB	ns	ns	ns
Pickman Park-Pickman River at low tide	646	7:50	T	SS-SR	12,000	100	BIO
Palmer Cove-storm drain at Shetland Park	629	ns	ns	ns	ns	ns	ns
Palmer Cove-storm drain below Palmer Cove Playground	631	7:48	T	SS-DN	9,000	200	BIO
Willow Avenue Beach-storm drain on beach	642	8:00	S	SS-SR	<100	<100	BIO
North River (near Harmony Grove Rd.)	500	8:30	S	SS-MS	400	100	BIO
North River (at Rte. 114)	501	8:20	T	SS-MS	5,600	600	BIO
Manchester							
Storm drain to Sawmill Brook at the High School	127	7:35	T	SS-MR	200	100	BIO
Bennett's Brook (at Bennett Street)	149	7:20	S	SS-MR	1,100	400	BIO
Quality Assurance/Quality Control							
Duplicate Sample collected	620	8:15	F	SS-MR	410,000	5,800	BIO
Blank sample	B	10:00	na	SS-MR	0	0	BIO

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

fecal coliform > 200 CFU/100mL, Enterococci > 104 CFU/100mL

Notes: ns = no sample collected 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 abbreviations: Bio = Biomarine, Inc. in Gloucester (membrane filtration method 9222d)

DMF = Division of Marine Fisheries Bacteriological Lab in Gloucester (MPN m

Flow ratings:

N = no water

S = some water which is stagnant

T = trickling flow

F = significant flow