

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

## Summer 2003

**Date of Sample Collection: 8/12/03**

**Report Issue Date: 8/14/03**

**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: 5:59am**

*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
<b>Marblehead</b>							
Riverhead Beach-Large storm drain at boat landing	701	7:17	F	SS-JM	<b>1,100</b>	<b>600</b>	BIO
Stramski Beach-Stream draining across beach	722	6:55	F	SS-JM	<b>800</b>	<b>700</b>	BIO
Preston Beach	PRE	ns	ns	ns	ns	ns	ns
<b>Beverly</b>							
Dane Street Beach							
Northern storm drain at beach	322	6:40	T	SS-MM	<b>700</b>	100	BIO
Lawrence Street brook at beach	321	6:20	F	SS-MM	<100	<100	BIO
Rice Beach-Stream draining across beach	214	6:10	S	SS-MM	<b>2,600</b>	100	BIO
Mingo Beach-Storm drain at beach	212		T	SS-JS	<b>600</b>	<100	BIO
Brackenberry Beach-Stream draining across beach	213		F	SS-JS	<b>1,400</b>	<b>200</b>	BIO
Southwestern storm drain at beach	222		F	SS-JS	<b>1,600</b>	<b>200</b>	BIO
<b>Danvers</b>							
Eden Glen Ave. Pipe	491b	7:19	T	SS-RS	<b>300</b>	<b>200</b>	BIO
Waters River (at Route 35)	403	6:26	F	SS-DN	<b>1,200</b>	<b>200</b>	BIO
<b>Salem</b>							
Juniper Beach-storm drain on beach	620	6:45	F	SS-SM	<b>290,000</b>	<b>2,900</b>	BIO
Juniper Cove-storm drain on Steps Beach (Columbus Ave.)	625	ns	ns	ns	ns	ns	ns
Collins Cove - storm drain below Collins Cove Park	525	6:38	N	SS-CB	ns	ns	ns
Pickman Park-Pickman River at low tide	646	ns	ns	ns	ns	ns	ns
Palmer Cove-storm drain at Shetland Park	629	7:16	T	SS-DN	<b>6,700</b>	<b>200</b>	BIO
Palmer Cove-storm drain below Palmer Cove Playground	631	7:10	T	SS-DN	<b>68,000</b>	100	BIO
Willow Avenue Beach-storm drain on beach	642	ns	ns	ns	ns	ns	ns
North River (near Harmony Grove Rd.)	500	7:20	S	SS-MS	<100	<100	BIO
North River (at Rte. 114)	501	7:10	S	SS-MS	<b>8,200</b>	100	BIO
<b>Manchester</b>							
Storm drain to Sawmill Brook at the High School	127	6:10	S	SS-MR	<100	<100	BIO
Bennett's Brook (at Bennett Street)	149	6:50	T	SS-MR	<b>900</b>	100	BIO
<b>Quality Assurance/Quality Control</b>							
Duplicate Sample collected	322 dupe	7:30	S	SS-MR	<b>500</b>	100	BIO
Blank sample	B	ns	na	ns	ns	ns	ns

\*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