

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

## Summer 2004

**Date of Sample Collection: 07/06/04**

**Report Issue Date: 07/08/04**

**Samples Collected by Salem Sound Coastwatch Staff and Volunteers:** Gary Moore (SS-GM), Daniel Noon (SS-DN), Joan McIntyre (SS-JM), Francie Caudill (SS-FC), Cindy Keegan (SS-CK), Mike Swiniarski (SS-MS), Kathy Martin (SS-KM), Susan Marsh (SS-SM), Marilyn McCrory (SS-MM), Sara Sheridan (SS-SS), Robert Solda (SS-RS)

**Weather Rating: DRY**

**Low Tide: 9:08am**

*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 Barbara Warren or 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>							
Stramski Beach-Stream draining across beach	722	8:00	F	JM	ns	<b>1,400</b>	BIO
Stramski Way-near pkg lot after playground	722a	7:55	S/T	JM	ns	<b>2,100</b>	BIO
Stramski Way-near field	722b	9:07	T	MS	ns	<b>3,300</b>	BIO
Hawthorne Rd.-end of street	750a	9:20	T	MS	ns	<100	BIO
Hawthorne Pond	750b	8:45	T	KM	ns	200	BIO
<b>Beverly</b>							
Dane St. Beach-Northern storm drain at beach	322	7:36	T	MM	ns	<b>500</b>	BIO
Lawrence Street brook at beach	321	7:21	F	MM	ns	200	BIO
Rice Beach-Stream draining across beach	214	9:45	F	CK	ns	<b>900</b>	BIO
Brackenberry Beach-Stream draining across beach	213	9:10	F	CK	ns	<b>500</b>	BIO
Northern storm drain at beach	213a	9:15	F	CK	ns	<b>300</b>	BIO
SW storm drain at beach	222	9:30	F	CK	ns	<b>900</b>	BIO
<b>Danvers</b>							
Holton-Richmond School-field	400a	8:46	T	DN	ns	<b>700</b>	BIO
Bunky's Marina-Porter River	401a	9:05	F	DN	ns	200	BIO
Sandy Beach outfall pipe	430	9:30	T	DN	ns	<100	BIO
Eden Glen Road	491b	7:56	ns	RS	ns	100	BIO
<b>Salem</b>							
Juniper Beach-storm drain on beach	620	7:20	F	SM	<b>210,000</b>	<b>17,000</b>	BIO
Palmer Cove-storm drain at Shetland Park	629	7:09	S	JS	ns	<b>1,100</b>	BIO
Palmer Cove-storm drain below Palmer Cove Playground	631	7:17	S	JS	ns	<100	BIO
Willows Pier	546	7:15	N	SM	ns	ns	ns
North River-south side, capped outfall	557	8:28	T	GM/SS	ns	<100	BIO
North River-north side, open culvert	537	8:36	T	GM/SS	ns	<b>1,100</b>	BIO
Derby Wharf	630			GM/SS	ns	<b>ns</b>	BIO
Pioneer Village	634			GM/SS	ns	<b>ns</b>	BIO
<b>Manchester</b>							
Bennett's Brook (at Bennett Street)	149	7:20	F	FC	ns	<b>1,000</b>	BIO
Raymond St.	150	7:35	F	FC	ns	200	BIO
<b>Quality Assurance/Quality Control</b>							
Duplicate Sample collected	ns	ns	ns	ns	ns	ns	ns
Blank sample	ns	ns	ns	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)

**Flow ratings:**

N = no water

S = some water which is stagnant

T = trickling flow

F = significant flow