

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

Summer 2004

Date of Sample Collection: 08/31/04 (Met "Wet Weather" criteria)

Report Issue Date: 09/3/04

Samples Collected by Salem Sound Coastwatch Staff and Volunteers:

Mary Reilly (SS-MR), Barbara Warren (SS-BW), Gary Moore (SS-GM), 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), Jim Seavey (SS-JS), Daniel Noon (SS-DN)

Weather Rating: WET Low Tide: 6:42 AM

CB&S is an ongoing water quality monitoring program that collects data from prioritized, potential pollution sites along Salem Sound's coastline, including outfall pipes, culverts, and small streams. Sites may change throughout the season. For more info, contact Barbara Warren or Mary Reilly at 978-741-7900. Board of Health's test water quality at bathing beaches.

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							
Stramski Beach - Stream draining across beach	722	7:19	F	JM	ns	6,400	BIO
Stramski Way - near pkg lot after playground	722a	7:15	S	JM	ns	7,400	BIO
Stramski Way - near field	722b	7:30	T	MS	ns	21,000	BIO
Hawthorne Pond - boardwalk	750c	ns	ns	ns	ns	ns	BIO
Beverly							
Dane St. Beach - Northern storm drain at beach	322	7:02	T	MM	ns	11,900	BIO
Lawrence Street brook at beach	321	7:52	F	MM	ns	5,800	BIO
Rice Beach-Stream draining across beach	214	8:30	F	CK	ns	16,000	BIO
Brackenberry Beach - Stream draining across beach	213	8:05	F	CK	ns	1,300	BIO
Northern storm drain at beach	213a	8:10	F	CK	ns	31,000	BIO
SW storm drain at beach	222	8:00	T	CK	ns	13,000	BIO
Danvers							
Holton-Richmond School-field	400a	7:40	F	DN	ns	3,900	BIO
Bunky's Marina - Porter River	401a	7:50	F	DN	ns	4,500	BIO
Sandy Beach - outfall pipe	430	7:17	T	DN	ns	44,000	BIO
Sandy Beach - downstream of outfall pipe	430a	7:22	F	DN	ns	1,900	BIO
Eden Glen Road	491b	ns	ns	ns	ns	ns	ns
Salem							
Juniper Beach - storm drain on beach	620	7:00	T	MS	160,000	100,000	BIO
Palmer Cove - storm drain at Shetland Park	629	7:17	F	JS	ns	15,000	BIO
Palmer Cove-storm drain below Palmer Cove Playground	631	7:25	F	JS	ns	20,000	BIO
Collins Cove - Arbella St. stairs	527	7:09	T	MS	ns	6,600	BIO
Willows Pier	546	7:15	N	MS	ns	ns	ns
North River - off Commercial St. near Rt 114	537	8:27	T	GM/SS	ns	3,800	BIO
Derby Wharf	630	8:40	T	GM/SS	ns	12,000	BIO
North River - off Commercial St. near foot bridge	559	8:15	T	GM/SS	ns	13,000	BIO
Willow Ave. Beach - storm drain on beach	642	7:40	T	MS	ns	14,000	BIO
Manchester							
Bennett's Brook - at Bennett Street	149	8:20	F	FC	ns	6,400	BIO
Bennett's Brook - upstream on Forster Rd.	149a	8:26	F	FC	ns	100	BIO
Raymond Street	150	8:40	F	FC	ns	500	BIO

*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 na = parameter not analyzed

fecal coliform > 200 CFU/100mL

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

T = trickling flow

S = some water which is stagnant

F = significant flow