

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

August 21, 2008

Samples Collected by Salem Sound Coastwatch staff and volunteers: Barbara Warren (SS-BW), Susan Yochelson (SS-SY), Francie Caudill (SS-FC), Kathy Martin (SS-KM), Marilyn McCrory (SS-MM), Christine Downs (SS-CD), Gary Moore (SS-GM), Carolyn Kelly (SS-CK), Sarah Calland (SS-SC)

Weather Rating: DRY

8:50 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 (am)	Flow	Salinity	Sample Collected	Enterococci per 100 mL	Lab
Manchester							
Wolf Trap Brook - Downstream of Rt. 127	160D	8:05 AM	F	0	SS-FC, CK	350	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	8:25 AM	F	15	SS-FC, CK	590	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh	161E	8:31 AM	F	12	SS-FC, CK	650	Bio
Wolf Trap Estuary- west side at private driveway off Ocean St	161W	8:42 AM	F	2	SS-FC, CK	52	Bio
Beverly							
Brackenbury Beach - stream from 4' x 4' culvert	213	7:52 AM	F	5	SS-CD	320	Bio
Brackenbury Beach	213A	7:55 AM	F	3	SS-CD	400	Bio
Centerville Brook - South of Hale Street	213E	8:06 AM	F	0	SS-CD	410	Bio
Centerville Brook - Tall tree Dr	213F	8:20 AM	F	0	SS-CD	408	Bio
Rice Beach	214	7:37 AM	T	0	SS-CD	280	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:34 AM	F		SS-MM	190	Bio
Dane St. Beach - easterly storm drain at beach	322	7:44 AM	T		SS-MM	10	Bio
Danvers							
Salem							
North River - upstream of Rt. 114 overpass, Commercial Way	537	6:54 AM	T		SS-GM	3,300	Bio
North River - Commercial Way near foot bridge	559	6:50 AM	T		SS-GM	1,900	Bio
Juniper Beach - storm drain on beach	620	8:58 AM	F		SS-SY	120	Bio
Derby Wharf - storm drain	630	7:04 AM	T		SS-GM	25,000	Bio
Palmer Cove - storm drain below Palmer Cove Playground	631	8:30 AM	F		SS-SC	260	Bio
Willow Ave. Beach culvert	642	8:15 AM	N		SS-SC	DRY	Bio
South River from Clarke's dock	SR	8:28 AM		20	SS-BW	27,000	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:28 AM	F		SS-KM	810	Bio
Grace Oliver Beach - center of cove	700A	7:25 AM			SS-KM	10	Bio
Riverhead Beach Culvert - facing on left	701A					NS	Bio
Riverhead Beach Culvert - facing on right	701B					NS	Bio
Stramski Beach - Stream draining across beach	722	8:00 AM	F		SS-BW	1,300	Bio
Stramski Way - Dodge Road drainage	722A	7:48 AM	F		SS-BW	680	Bio
Stramski Beach - Wooden bridge	722A-1	7:52 AM	F		SS-BW	1,800	Bio
Stramski Way - Pitman Street drainage	722B	7:35 AM	T		SS-BW	40	Bio
Stramski Beach - 1st culvert	722B-1	7:38 AM	F		SS-BW	770	Bio
Stramski Beach - 2nd culvert	722B-2	7:43 AM	T		SS-BW	960	Bio
Quality Assurance/Quality Control							
Willow Ave. Beach - seeping from sand	642	8:15 AM	T	28	SS-BW	3,100	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 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: Bio = Biomarine Inc.

Flow ratings:

N = no water
S = some water which is stagnant
T = trickling flow
F = steady, continuous flow