

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

July 03, 2008

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

Weather Rating: WET

Low Tide: 5:53 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
<u>Manchester</u>							
Wolf Trap Brook - Downstream of Rt. 127	160D					NS	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161					NS	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh	161E					NS	Bio
Wolf Trap Estuary- west side at private driveway off Ocean St	161W					NS	Bio
<u>Beverly</u>							
Brackenburg Beach - stream from 4' x 4' culvert	213	6:42 AM	F	4	SS-CD	4,800	Bio
Brackenburg Beach	213A	6:48 AM	F	6	SS-CD	2,400	Bio
Centerville Brook - South of Hale Street	213E	6:33 AM	F	0	SS-CD	520	Bio
Centerville Brook - Tall tree Dr	213F	6:23 AM	F	1	SS-CD	3,500	Bio
Rice Beach	214	6:58 AM	T	0	SS-CD	3,400	Bio
Dane St. Beach - Lawrence Street brook at beach	321	7:07 AM	F		SS-MM	3,400	Bio
Dane St. Beach - easterly storm drain at beach	322	7:16 AM	T		SS-MM	2,700	Bio
<u>Danvers</u>							
<u>Salem</u>							
North River - upstream of Rt. 114 overpass, Commercial Way	537	7:31 AM	T		SS-GM	11,000	Bio
North River - Commercial Way near foot bridge	559	7:35 AM	T		SS-GM	860	Bio
Juniper Beach - storm drain on beach	620	7:20 AM	F		SS-SM	920	Bio
Derby Wharf - storm drain	630	7:45 AM	T		SS-GM	12,000	Bio
Palmer Cove - storm drain below Palmer Cove Playground	631	6:26 AM	F		SS-SC-SY	4,300	Bio
Willow Ave. Beach	642	6:14 AM	F		SS-SC-SY	850	Bio
<u>Marblehead</u>							
Dolliber Cove Creek - Grace Oliver Beach	700	7:05 AM	F	2	SS-KM-BW	1,000	Bio
Grace Oliver Beach - center of cove	700A	7:10 AM		32	SS-KM-BW	50	Bio
Grace Oliver Beach - south side of cove	700B	7:12 AM			SS-KM-BW	50	Bio
Grace Oliver Beach - north side of cove	700C	7:15 AM		33	SS-KM-BW	30	Bio
Riverhead Beach Culvert - facing on left	701A	6:53 AM	F		SS-RS	900	Bio
Riverhead Beach Culvert - facing on right	701B	6:55 AM	F		SS-RS	1,200	Bio
Stramski Beach - Stream draining across beach	722	7:25 AM	F	0	SS-BW	5,200	Bio
Stramski Way - Dodge Road drainage	722A	7:45 AM	F		SS-BW	430	Bio
Stramski Way - Pitman Street drainage	722B	7:28 AM	F		SS-BW	120	Bio
<u>Quality Assurance/Quality Control</u>							
Stramski Beach - Stream draining across beach	722	7:32 AM	F		SS-BW	4,600	Bio

Times with ** indicates samples were taken outside of the 2 hour window of sampling at low tide.

***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