

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

June 19, 2008

Samples Collected by Salem Sound Coastwatch staff and volunteers:

Francie Caudill (SS-FC), Carolyn Kelly (SS-CK), Gary Moore (SS-GM),
Kathy Martin (SS-KM), Barbara Warren (SS-BW), Susan Yochelson (SS-SY)

Weather Rating: **DRY**

Low Tide: **6:27 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	7:35	F		SS-CK,FC	190	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:44	F		SS-CK,FC	2,400	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh	161E	7:51	F		SS-CK,FC	780	Bio
Wolf Trap Estuary- west side at private driveway off Ocean St	161W	8:00	F		SS-CK,FC	120	Bio
Beverly							
Dane St. Beach - Lawrence Street brook at beach	321	6:45	F		SS-BW	140	Bio
Dane St. Beach - easterly storm drain at beach	322	6:45	F		SS-BW	100	Bio
Danvers							
Salem							
North River - upstream of Rt. 114 overpass, Commercial Way	537	7:15	T		SS-GM	5,800	Bio
North River - Commercial Way near foot bridge	559	7:22	T		SS-GM	18,000	Bio
Juniper Beach - storm drain on beach	620	6:30	F	0	SS-BW	30	Bio
Derby Wharf - storm drain	630	7:32	T		SS-GM	70	Bio
Palmer Cove - storm drain below Palmer Cove Playground	631	6:55	F		SS-SY	630	Bio
Willow Ave. Beach	642	6:40	F		SS-SY	490	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	7:06	F		SS-KM	880	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	161E	7:52	F		SS-CK,FC	710	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

16 East Main Street, Gloucester, Massachusetts 01930 - Phone: 978-281-0222

www.biomarinelab.com