

# Salem Sound Coastwatch *Clean Beaches and Streams*

## Water Monitoring Results

SUMMER 2009

6/25/2009

**Samples Collected by Salem Sound Coastwatch staff and volunteers: Barbara Warren (SS-BW), Emily Gardner (SS-EG)**

Francie Caudill (SS-FC), Carolyn Kelly (SS-CK), Patti Mitchell (SS-PM), Joan Nesbit (SS-JN), Kate Culhane (SS-KC)

Lynn Atkinson (SS-LA), Lenny Capello (SS\_LC), Kathy Martin (SS-KM), Christine Downs (SS-CD), Marilyn McCrory (SS-MM),

David Pelletier (SS-DP), Susan Marsh (SS-SM), Gary Moore (SS-GM), Bob Solda (SS-BS)

**Weather Rating: WET**

**Low Tide: 7:44 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
<b>Manchester</b>							
Wolf Trap Estuary- west side at private driveway off Ocean St	161W	7:44	F	0	SS-LA,LC,JN	20	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:50	F	27	SS-LA,LC,JN	<b>620</b>	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh	161E	7:58	F	20	SS-LA,LC,JN	<b>910</b>	Bio
Wolf Trap Estuary - east side stream parallel to Ocean St.	161ST	8:07	F	28	SS-LA,LC,JN	<b>790</b>	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:14	F	0	SS-LA,LC,JN	<10	Bio
<b>Beverly</b>							
Brackenbury Beach - stream from 4' x 4' culvert	213	7:43	F	7	SS-CD	100	Bio
Centerville Brook - South of Hale Street	213E	7:32	F	2	SS-CD	60	Bio
Rice Beach	214	8:00	S	2	SS-CD	<b>1,300</b>	Bio
Dane St. Beach - Lawrence Street brook at beach	321	9:05	F		SS-EG	<b>180</b>	Bio
Dane St. Beach - easterly storm drain at beach	322	8:58	F		SS-EG	75	Bio
<b>Peabody</b>							
North River - downstream of Howley Street Bridge	500	7:50	F	0	SS-BS	<b>160</b>	Bio
<b>Salem</b>							
North River - upstream of Rt. 114 overpass, Commercial Way	537	7:06	S		SS-GM	<b>9,800</b>	Bio
North River - Commercial Way near foot bridge	559	7:00	T		SS-GM	<b>1,100</b>	Bio
Juniper Beach - storm drain on beach	620	8:39	F		SS-EG	<b>1,200</b>	Bio
Derby Wharf - storm drain	630	7:16	S		SS-GM	<b>8,200</b>	Bio
Palmer Cove - storm drain below Palmer Cove Playground	631	6:55	F	27	SS-DP	<b>9,200</b>	Bio
Willow Ave. Beach	642	7:05	F	14	SS-DP	<b>1,900</b>	Bio
South River from Congress St.dock	673	6:45	F	10	SS-DP	<b>690</b>	Bio
<b>Marblehead</b>							
Dolliber Cove Creek - Grace Oliver Beach	700	7:55	F		SS-KM	<b>1,700</b>	Bio
Outfall Bradlee Rd/3 Anchorage Lane	731	6:54	F		SS-EG	<b>210</b>	Bio
<b>Quality Assurance/Quality Control</b>							
Duplicate Sample collected							

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](http://www.biomarinelab.com)