

Salem Sound Coastwatch *Clean Beaches and Streams*

Water Monitoring Results

SUMMER 2009

6/11/2009

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: DRY (0.26 inches in past 3 days)

Low Tide: 8:20 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 Estuary- west side at private driveway off Ocean St	161W	7:47	F	1.5	SS-KC	20	Bio
Wolf Trap Estuary- Downstream of Ocean St. at Black Beach	161	7:55	F	25	SS-LC	370	Bio
Wolf Trap Estuary - east side from wooden bridge in marsh	161E	8:05	F	12	SS-LA	350	Bio
Wolf Trap Estuary - east side stream parallel to Ocean St.	161ST	8:15	F	25	SS-LA	350	Bio
Wolf Trap Brook - Downstream of Rt. 127	160D	8:28	F	1	SS-LC	10	Bio
Beverly							
Brackenbury Beach - stream from 4' x 4' culvert	213	7:03	F	14	SS-CD	270	Bio
Centerville Brook - South of Hale Street	213E	6:58	F	1	SS-CD	240	Bio
Rice Beach	214	7:16	S	2	SS-CD	120	Bio
Dane St. Beach - Lawrence Street brook at beach	321	6:52	F		SS-MM	250	Bio
Dane St. Beach - easterly storm drain at beach	322	7:05	T		SS-MM	460	Bio
Peabody							
North River - downstream of Howley Street Bridge	500	7:55	F		SS-BS	150	Bio
Salem							
North River - upstream of Rt. 114 overpass, Commercial Way	537	7:19	T		SS-GM	1,100	Bio
North River - Commercial Way near foot bridge	559	7:12	T		SS-GM	250	Bio
Juniper Beach - storm drain on beach	620	7:35	F		SS-BW	520	Bio
Derby Wharf - storm drain	630	7:37	T		SS-GM	200	Bio
Palmer Cove - storm drain below Palmer Cove Playground	631	6:55	T	30	SS-DP	400	Bio
Willow Ave. Beach	642	7:10	T	18	SS-DP	800	Bio
South River from Congress St.dock	673	6:45	F	20	SS-DP	340	Bio
Marblehead							
Dolliber Cove Creek - Grace Oliver Beach	700	8:38	F		SS-KM	270	Bio
Outfall Bradlee Rd/3 Anchorage Lane	731	6:54	T		SS-EG	40	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	620	7:38	F		SS-BW	390	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

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