

Salem Sound Coastwatch Clean Beaches and Streams

Water Monitoring Results

June 11, 2007

Samples Collected by Salem Sound Coastwatch staff: Barbara Warren (SS-BW), Susan Yochelson (SS-SY),

A survey of the Frost Fish Brook in Danvers was conducted on June 11. Since the objective was to understand the brook and it is not tidal, sampling was not conducted at low tide. However, sites # 400, #401 and #430 are in the Porter River which is tidal.

Weather Rating: DRY

Low Tide: 2:17 PM

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	Flow	Salinity	Sample Collected	Enterococci per 100 mL	Lab
Danvers							
Porter River Sandy Beach	430R	10:24	F	tidal	SS-SY/BW	210	Bio
Porter River Rt. 35 - boat ramp at Bunky's Marina	401	9:55	F	tidal	SS-SY/BW	<10	Bio
Porter River at Rt. 62 and Holten-Richmond School	400	9:48	F	tidal	SS-SY/BW	1,200	Bio
Frost Fish Brook - Hemlock St.	458H	9:40	F		SS-SY/BW	1,700	Bio
Tributary to Frost Fish Brook - Short Rd.	464A	9:27	F		SS-SY/BW	1,300	Bio
Frost Fish Brook - Coolidge Rd	465	9:18	F		SS-SY/BW	1,300	Bio
Frost Fish Brook - between Colgate and Bowdoin Streets	471U	9:08	F		SS-SY/BW	1,100	Bio
Donegal Brook Tributary to Frost Fish Brook	471	9:03	F		SS-SY/BW	900	Bio
Frost Fish Brook - Cabot Rd	473					NS	
Frost Fish Brook - end of Princeton St.	474S	8:40	F		SS-SY/BW	1,000	Bio
Frost Fish Brook - Dartmouth St	478	8:29	F		SS-SY/BW	530	Bio
Frost Fish Brook - Dartmouth St. side culvert	478A	8:30	T		SS-SY/BW	40	Bio
Frost Fish Brook - Perkins St (north side)	479	8:14	F		SS-SY/BW	550	Bio
Quality Assurance/Quality Control							
Duplicate Sample collected	430R	10:24	F	tidal	SS-SY/BW	260	Bio
Duplicate Sample collected	401	9:55	F	tidal	SS-SY/BW	40	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

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