

# Massachusetts Bay bacteria counts, 2005

Surveys are conducted monthly to measure fecal coliform and *Enterococcus* in Massachusetts Bay in the area of the MWRA outfall. Additional monitoring is carried out following heavy rains or other events that may affect wastewater treatment and potentially have adverse effects in Massachusetts Bay.

Displayed are *Enterococcus* and fecal coliform counts.

The limit for shellfishing in unrestricted areas is 14 col/100 mL for fecal coliform.

There are no shellfishing limits established for *Enterococcus*, but EPA's swimming standard is a geometric mean of 35 colonies/100 mL, and a single sample limit of 104 colonies/100 mL.

"S" following the station id means sample was collected at surface;

"P" means sample was collected below the pycnocline, the division between the surface warm and/or fresh water layer and the bottom cold and/or salty water layer (collected only if a pycnocline is present).

Results are in count/100 milliliters.

Date	Station	Fecal coliform	<i>Enterococcus</i>
January 26, 2005	F14S	4	<1
	F18S	<2	1
	F24S	<2	<1
	F25S	4	2
	N02S	<2	<1
	N04S	<2	<1
	N07S	<2	<1
	N09S	<2	<1
	N16S	<2	<1
	N20S	6	2
February 14, 2005	F13S	<2	<1
	F14S	<2	<1
	F18S	<2	<1
	F24S	<2	<1
	F25S	<2	<1
	N02S	<2	<1
	N04S	<2	<1
	N07S	<2	<1
	N09S	<2	<1
	N16S	2	<1
March 21, 2005	N20S	<2	<1
	F13S	<2	<1
	F14S	<2	<1
	F18S	<2	<1
	F24S	<2	1
	F25S	2	2
	N02S	<2	<1
	N07S	<2	<1
	N09S	<2	<1
	N16S	<2	<1
April 13, 2005	F13P	<2	<1
	F13S	<2	<1
	F14P	<2	<1
	F14S	4	<1
	F18P	<2	<1
	F18S	<2	<1
	F24P	<2	<1
	F24S	<2	<1
	F25S	<2	<1
	N02P	<2	<1
	N02S	<2	1
	N04P	<2	<1
	N04S	<2	<1
N07P	<2	<1	

Date	Station	Fecal coliform	Enterococcus	
May 5, 2005	N07S	<2	<1	
	N09P	<2	<1	
	N09S	<2	2	
	N16P	<2	<1	
	N16S	<2	1	
	N20P	<2	<1	
	N20S	<2	<1	
	F13P	<2	<1	
	F13S	<2	<1	
	F14P	<2	<1	
	F14S	<2	<1	
	F18P	11	2	
	F18S	<2	<1	
	F24P	<2	<1	
	F24S	<2	<1	
	F25P	<2	1	
	F25S	<2	<1	
	N02P	<2	10	
	N02S	<2	<1	
	N04P	<2	<1	
	N04S	<2	<1	
	N07P	<2	<1	
	N07S	<2	<1	
	N09P	<2	1	
	N09S	<2	2	
	N16P	<2	<1	
	N16S	<2	<1	
N20P	<2	<1		
N20S	<2	1		
June 13, 2005	F13P	<2	<1	
	F13S	<2	<1	
	F14P	<2	<1	
	F14S	<2	<1	
	F18P	2	<1	
	F18S	<2	<1	
	F24P	2	<1	
	F24S	2	<1	
	F25P	<2	<1	
	F25S	2	<1	
	N02P	<2	<1	
	N02S	<2	<1	
	N04P	<2	<1	
	N04S	<2	<1	
	N07P	<2	<1	
	N07S	<2	<1	
	N09P	2	<1	
	N09S	<2	<1	
	N16P	<2	<1	
	N16S	<2	<1	
	N20P	<2	<1	
	N20S	<2	<1	
	July 5, 2005	F13P	<2	<1
		F13S	<2	<1
		F14P	<2	<1
		F14S	<2	<1
		F18P	2	<1
F18S		<2	<1	
F24P		<2	<1	
F24S		<2	<1	
F25P		<2	<1	
F25S		<2	<1	
N02P		<2	<1	
N02S		<2	<1	
N04P		<2	<1	
N04S		<2	<1	

Date	Station	Fecal coliform	Enterococcus	
August 9, 2005	N07P	<2	<1	
	N07S	<2	<1	
	N09P	<2	<1	
	N09S	<2	<1	
	N16P	<2	<1	
	N16S	<2	<1	
	N20P	<2	<1	
	N20S	<2	<1	
	F13P	<2	<1	
	F13S	<2	<1	
	F14P	<2	<1	
	F14S	<2	<1	
	F18P	<2	<1	
	F18S	<2	<1	
	F24P	2	<1	
	F24S	<2	<1	
	F25P	2	<1	
	F25S	6	<1	
	N02P	<2	<1	
	N02S	<2	<1	
	N04P	<2	<1	
	N04S	<2	<1	
	N07P	<2	<1	
	N07S	<2	<1	
	N09P	<2	<1	
	N09S	<2	<1	
	N16P	<2	<1	
N16S	<2	<1		
N20P	4	<1		
N20S	<2	<1		
September 2, 2005	N02P	<2	<1	
	N09P	<2	<1	
	N16P	<2	<1	
	N20P	36	1	
September 19, 2005	F13P	<2	2	
	F13S	<2	<1	
	F14P	2	<1	
	F14S	<2	<1	
	F18P	<2	1	
	F18S	<2	<1	
	F24P	<2	<1	
	F24S	<2	<1	
	F25P	2	5	
	F25S	<2	<1	
	N02P	<2	<1	
	N02S	<2	<1	
	N04P	<2	1	
	N04S	<2	<1	
	N07P	<2	<1	
	N07S	<2	<1	
	N09P	11	1	
	N09S	<2	<1	
	N16P	2	<1	
	N16S	2	<1	
	N20P	4	<1	
	N20S	<2	<1	
	October 18, 2005	F13P	<2	<1
		F13S	8	2
		F14P	6	<1
		F14S	4	<1
		F18P	<2	<1
F18S		2	<1	
F24P		<2	<1	
F24S		36	1	
F25P		2	<1	

Date	Station	Fecal coliform	<i>Enterococcus</i>
	F25S	28	1
	N02P	<2	<1
	N02S	<2	<1
	N04P	<2	<1
	N04S	<2	<1
	N07P	<2	<1
	N07S	<2	<1
	N09P	<2	<1
	N09S	2	<1
	N16P	2	<1
	N16S	<2	<1
	N20P	<2	1
	N20S	<2	<1
December 5, 2005	F13S	2	<1
	F14S	<2	<1
	F18S	4	1
	F24S	2	<1
	F25S	50	6
	N02S	<2	5
	N04S	<2	<1
	N07S	<2	<1
	N09S	<2	<1
	N16S	<2	<1
	N20S	<2	<1
December 28, 2005	F13S	2	<1
	F14S	2	<1
	F18S	<2	<1
	F24S	<2	<1
	F25S	4	3
	N02S	<2	<1
	N04S	<2	<1
	N07S	<2	<1
	N09S	<2	<1
	N16S	<2	<1
	N20S	<2	<1