

This is the eleventh update of the 2006 NY Bight Monitoring Program.

UPDATE OF NY BIGHT MONITORING PROGRAM FROM August 12 – August 24, 2006

NY Bight Sampling has been as follows:

August 12	NY/NJ Harbor Complex	Overflight
August 14	NY/NJ Harbor Complex	Overflight
August 15	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway to Shinnecock Inlet
August 16	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Helicopter down for maintenance
August 17	NY/NJ Harbor Complex	Helicopter down for maintenance
	NJDEP Nutrients	Helicopter down for maintenance
August 18	NY/NJ Harbor Complex	Helicopter down for maintenance
August 19	NY/NJ Harbor Complex	Overflight
August 21	NY/NJ Harbor Complex	Overflight
	NJDEP Nutrients	Sandy Hook to Barnegat
August 22	NY/NJ Harbor Complex	Overflight
	Perpendiculars	NYB20's, JC14, JC27, JC41, JC53
August 23	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway Point to Shinnecock Inlet
August 24	NY/NJ Harbor Complex	Overflight
	NJDEP Nutrients	Barnegat to Delaware Bay

Projected Activities for Next Week:

August 25	NY/NJ Harbor Complex	Overflight
	Perpendiculars	JC61, JC69, JC75, JC85, JC90
August 26	NY/NJ Harbor Complex	Overflight
August 28	NY/NJ Harbor Complex	Overflight
August 29	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway to Shinnecock Inlet
August 30	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May
August 31	NY/NJ Harbor Complex	Overflight
September 1	NY/NJ Harbor Complex	Overflight
September 2	NY/NJ Harbor Complex	Overflight

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables nine times from August 12 – August 24, 2006. The Harbor Complex was clear of significant floatable debris on August 12, 15, 16 and 21.

On August 14, a small slick, approximately 300 feet long by 50 feet wide, was reported in the Upper NY Harbor.

On August 15, an oily sheen, approximately 900 feet wide by 300 feet long, was reported in the Kill Van Kull. The oily sheen was reported to the US Coast Guard.

On August 19, a slick, approximately 1200 feet long and 60 feet wide, was reported off Coney Island.

On August 22, two slicks were reported. The first slick, approximately one mile long by 50 feet wide, was reported in Newark Bay. The second slick, approximately ¼ miles long by 50 feet wide, was reported in the Upper Harbor.

On August 23, a slick, approximately one mile long by 50 feet wide, was reported in Newark Bay.

On August 24, a slick, approximately 200 feet long by 50 feet wide, was reported in Newark Bay.

All slicks consisted of trash and large pieces of wood. The Army Corps of Engineers conducted clean-up as necessary.

Bacteria

On August 15 and 23, bacteriological samples were taken along the Long Island coast from Rockaway Point (LIC01) to Shinnecock Inlet East (LIC28), and tested for fecal coliform (FC) and enterococcus bacteria. The New Jersey beach run was canceled due to routine maintenance for the helicopter.

On August 15, along the Long Island coast, the highest fecal coliform count, 8 FC/100ml, occurred at Shinnecock Inlet West (LIC27).

Two of the stations sampled on August 15 were in exceedance of the enterococci criteria (104 enterococci/100ml). Station LIC 23, Moriches Inlet West had a count of 820 enterococci/100ml; and Station LIC 24, Moriches Inlet East had a count of 304 enterococci/100ml. All other counts were below 8 enterococci/100ml. Local and state officials were immediately contacted.

On August 23, along the Long Island coast, the highest fecal coliform count, 44 FC/100ml,

occurred at Rockaway Point (LIC01) and at Point Lookout (LIC10). The highest enterococcus count, 21 enterococci/100ml, occurred at Rockaway Point (LIC01). These values are below water quality criteria.

Dissolved Oxygen

Bottom water samples were collected for dissolved oxygen (DO) analysis at the Sandy Hook (NYB20), Long Branch (JC14), Belmar (JC27), Bay Head (JC41) and Seaside Heights (JC53) perpendiculars on August 22.

Tables 1 and 2 present the bottom dissolved oxygen (DO) results for the perpendiculars sampled on August 22. The lowest DO value 4.1 mg/l, occurred one nautical mile off Long Branch (JC14E) and seven nautical miles off Atlantic City (JC53M). These values are typical for this time of year.

Table 1

Dissolved Oxygen Concentrations of Bottom Water Samples at the Sandy Hook Perpendicular (mg/l) – August 4, 2006.

Location (Nautical Miles Offshore)	Station	DO (mg/l)
2	NYB20	5.6
4	NYB21	4.9
6	NYB22	5.7
7.4	NYB23	6.4
8.6	NYB24	5.4

Table 2

Dissolved Oxygen Concentrations of Bottom Water Samples at the Long Branch (JC14), and Belmar (JC27), Bay Head (JC 41) and Seaside Heights (JC53) Perpendiculars (mg/l) – August 4, 2006.

Location (Nautical Miles Offshore)	Long Branch JC 14	Belmar JC 27	Bay Head JC 41	Seaside Heights JC 53
1	4.1	6.8	7.7	8.3
3	6.6	6.2	6.6	6.8
5	5.0	7.3	6.8	8.0
7	5.6	7.5	6.3	4.1
9	6.6	7.7	8.3	4.2