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

UPDATE OF NY BIGHT MONITORING PROGRAM FROM July 29 – August 4, 2006

NY Bight Sampling has been as follows:

July 29	NY/NJ Harbor Complex	Overflight
July 31	NY/NJ Harbor Complex	Overflight
August 1	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway to Shinnecock Inlet
August 2	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Canceled due to adverse weather
August 3	NY/NJ Harbor Complex	Overflight
	Perpendiculars	Canceled due to adverse weather
August 4	NY/NJ Harbor Complex	Overflight
	Perpendiculars	NYB20, JC14, JC27, JC41, JC53

Projected Activities for Next Week:

August 5	NY/NJ Harbor Complex	Overflight
August 7	NY/NJ Harbor Complex	Overflight
	Perpendiculars	JC61, JC69, JC75, JC85, JC90
August 8	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway to Shinnecock Inlet
August 9	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May
August 10	NY/NJ Harbor Complex	Overflight
	Perpendiculars	NYB20, JC14, JC27, JC41, JC53
August 11	NY/NJ Harbor Complex	Overflight
August 12	NY/NJ Harbor Complex	Overflight

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables six times from July 29 – August 4, 2006. The Harbor Complex was clear of significant floatable debris on all six days.

On August 4, an oily sheen, approximately 2 ½ miles long with varying widths, was reported in the Arthur Kill. This oily sheen was reported to the US Coast Guard.

Bacteria

On August 1, bacteriological samples were taken along the Long Island coast from Rockaway Point (LIC01) to Shinnecock Inlet East (LIC28). The New Jersey beach run was canceled due to adverse weather conditions. The Long Island samples were tested for fecal coliform (FC) and enterococcus bacteria.

On August 1, along the Long Island coast, the highest fecal coliform count, 5 FC/100ml, occurred at Rockaway (LIC02) and at Long Beach (LIC09). The highest enterococcus count, 14 enterococci/100ml, occurred at Rockaway Point (LIC01).

All bacteriological values were below water quality standards.

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 4.

Tables 1 and 2 present the bottom dissolved oxygen (DO) results for the perpendiculars sampled on August 4. The lowest DO value 3.7 mg/l, occurred one nautical mile off Seaside Heights (JC53E). The majority of reported DO values show an increase from the values reported on July 27. 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	5.3
4	NYB21	5.8
6	NYB22	6.8
7.4	NYB23	4.7
8.6	NYB24	5.2

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	4.4	6.6	4.8	3.7
3	5.1	7.1	4.6	4.6
5	4.9	5.7	7.1	5.5
7	8.4	5.3	5.9	5.5
9	5.5	6.8	5.4	5.6