

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

UPDATE OF NY BIGHT MONITORING PROGRAM FROM August 5 – August 11, 2006

NY Bight Sampling has been as follows:

August 5	NY/NJ Harbor Complex	Overflight
August 7	NY/NJ Harbor Complex Perpendiculars	Overflight Canceled
August 8	NY/NJ Harbor Complex LI Beaches	Overflight Canceled
August 9	NY/NJ Harbor Complex New Jersey Beaches	Overflight Sandy Hook to Cape May
August 10	NY/NJ Harbor Complex Perpendiculars	Overflight JC61, JC69, JC75, JC85, JC90
August 11	NY/NJ Harbor Complex	Overflight

Projected Activities for Next Week:

August 12	NY/NJ Harbor Complex	Overflight
August 14	NY/NJ Harbor Complex	Overflight
August 15	NY/NJ Harbor Complex LI Beaches	Overflight Rockaway to Shinnecock Inlet
August 16	NY/NJ Harbor Complex New Jersey Beaches	Overflight Sandy Hook to Cape May
August 17	NY/NJ Harbor Complex NJDEP Nutrients	Overflight Sandy Hook to Barnegat
August 18	NY/NJ Harbor Complex	Overflight
August 19	NY/NJ Harbor Complex	Overflight

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables six times from August 5 – August 11, 2006. The Harbor Complex was clear of significant floatable debris on August 5, 7 and 11.

On August 8, a slick, approximately one mile long by 20 feet wide, was reported in the Upper NY Harbor. The slick consisted of trash, wood, tires and a beach chair.

On August 9, a slick, approximately ¼ miles long by 20 feet wide, was reported in Gravesend Bay. The slick consisted of plastic bags, wood and trash.

On August 10, a slick, approximately ¼ miles long by 200 feet wide, was reported in Newark Bay. The slick consisted of plastic bags, wood and trash. A patch of scattered debris, approximately ¼ miles square, was reported in the Gravesend Bay.

The Army Corps of Engineers conducted clean-up as necessary.

Bacteria

On August 9, samples were taken along the New Jersey coast from Sandy Hook (JC01A) to Cape May Point (JC99), and analyzed for enterococcus bacteria. The Long Island beach run was canceled.

On August 9, along the New Jersey coast, the highest enterococcus count, 15 enterococci/100ml, occurred at Belmar (JC27).

All bacteriological values were below water quality standards.

Dissolved Oxygen

Bottom water samples were collected for dissolved oxygen (DO) analysis at the Barnegat (JC61), Beach Haven (JC69), Atlantic City (JC75), Strathmere (JC85) and Hereford (JC90) perpendiculars on August 10, 2006.

Table 1 presents the bottom DO results for the perpendiculars sampled on August 10. The lowest DO concentration, 4.3 mg/l, occurred nine nautical miles off Atlantic City (JC75M). All values are typical for this time of year.

Table 1

Dissolved Oxygen Concentrations of Bottom Water Samples at the Barnegat (JC61), Beach Haven (JC69), Atlantic City (JC75), Strathmere (JC85) and Hereford (JC90) perpendiculars – Ausut 10, 2006.

Location (Nautical Miles Offshore)	Barnegat JC 61	Beach Haven JC 69	Atlantic City JC 75	Strathmere JC 85	Hereford JC 90
1	4.7	5.0	4.9	7.6	5.4
3	4.8	5.7	5.9	6.3	7.6
5	4.9	5.5	5.1	7.0	7.1
7	4.8	5.5	4.8	5.0	5.4
9	4.9	5.2	4.3	4.9	6.2