

UPDATE OF NY BIGHT MONITORING PROGRAM

June 8 - June 22, 2001

NY Bight Sampling has been as follows:

June 23	NY/NJ Harbor Complex	Overflight
June 25	NY/NJ Harbor Complex	Overflight
	Delaware River Basin	Delaware River
	Commission	
June 26	NY/NJ Harbor Complex	Overflight
	Long Island Beaches	Rockaway to Shinnecock Inlet
June 27	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May
June 28	NY/NJ Harbor Complex	Overflight
	NJ Perpendiculars	NYB20, JC14, 27, 41, 53
June 29	NY/NJ Harbor Complex	Overflight

Projected Activities for Next Week:

June 30	NY/NJ Harbor Complex	Overflight
July 2	NY/NJ Harbor Complex	Overflight
	NJ Perpendiculars	JC61, 69, 75, 85, 90
July 3	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway to Shinnecock Inlet
July 4	NY/NJ Harbor Complex	Overflight
	New Jersey Coast	Overflight
July 5	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May
July 6	NY/NJ Harbor Complex	Overflight
	NJ Perpendiculars	NYB20, JC14, 27, 41, 53

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables a total of five times from June 23 - June 29. Floatables was not done on June 23 due to inclement weather. The Harbor was clear of significant floatables from June 25 to June 29.

Delaware River Basin Commission Sampling

At the request of Ed Santoro, Monitoring Coordinator for the DRBC, surface water samples were collected at low slack tide at four sites along the Delaware River, on Monday. All samples were analyzed by a contract Laboratory for bacteria, algae, metals, VOAs, dissolved oxygen and organic carbon. This sampling is scheduled for August 6 and September 4 and will augment DRBC's longstanding water quality sampling program in the Delaware Estuary.

Bacteria

Bacteriological samples were collected along the Long Island coast, from Rockaway Point (LIC01) to Shinnecock Inlet (LIC28) on June 26. Samples were collected along the New Jersey Coast from Sandy Hook (JC01A) to Cape May (JC99) on June 27. All samples were tested for fecal coliform and enterococcus bacteria.

Along the Long Island coast, the highest fecal coliform (FC) concentration, 23 FC/100ml, occurred at Rockaway Point. The highest enterococcus count, 2 enterococci/100ml, occurred at Long Beach.

Along the New Jersey coast, the highest fecal coliform count, 6 FC/100ml, occurred at South Manasquan Inlet and the highest enterococcus count, 4 enterococci/100ml occurred at both Sea Bright and Cape May Point.

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 June 28. Perpendicular stations were not sampled on June 29 due to maintenance being done on the helicopter.

Tables 1 and 2 present the bottom DO results for the perpendiculars sampled on June 28. The DO values range from 4.7 - 2.1 mg/l, with the lowest value occurring one mile off Long Branch. These values are low for this time of the year. These perpendicular stations are scheduled to be re-sampled next week.

Table 1

Dissolved Oxygen Concentrations of Bottom Water Samples at the Sandy Hook perpendiculars (mg/l)
- June 28, 2001.

Location (Nautical Miles Offshore)	Station	DO (mg/l)
2	NYB 20	2.6
4	NYB 21	3.4
6	NYB 22	4.6
7	NYB 23	3.6
8	NYB 24	2.7

Table 2

Dissolved Oxygen Concentrations of Bottom Water Samples at the Long Branch (JC14), Belmar (JC27), Bay Head (JC41) and Seaside Heights (JC53) perpendiculars (mg/l) - June 28, 2001.

Location (Nautical Miles Offshore)	Long Branch JC 14	Belmar JC 27	Bay Head JC 41	Seaside Heights JC 53
1	3.2	2.8	2.1	2.7
3	3.2	3.9	2.3	2.8
5	4.1	4.4	3.2	3.2
7	4.7	3.9	2.8	2.6
9	3.3	3.8	2.4	2.2