

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

DATE:

SUBJECT: New York Bight Monitoring Program Observations, 2004

FROM: Helen Grebe, Regional Coastal Monitoring Coordinator
Monitoring Operations Section (DESA-MOS)

TO: Barbara A. Finazzo, Director
Division of Environmental Science and Assessment (DESA)

THRU: Randy Braun, Chief
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Attached for your information is the second update of the 2004 NY Bight Monitoring Program. This update covers the period from June 8 - June 18, 2004.

Attachment

cc: Jane Kenny, 2RA, via LAN
Kathleen Callahan, 2DRA, via LAN
Dore LaPosta, 2DECA, via LAN
Walter Mugdan, 2DEPP, via LAN
Bonnie Bellow, 2PAD, via LAN
Joann Brennan McKee, 2OPM, via LAN
Eric Schaaf, 2ORC, via LAN
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Grebe Glogower Braun
UPDATE OF NY BIGHT MONITORING PROGRAM FROM June 8 - June 18, 2004

NY Bight Sampling has been as follows:

June 8	NY/NJ Harbor Complex Long Island Beaches	Overflight Rockaway to Shinnecock Inlet East
June 9	NY/NJ Harbor Complex New Jersey Beaches	Overflight Sandy Hook to Cape May Point
June 10	NY/NJ Harbor Complex	Overflight
June 12	NY/NJ Harbor Complex	Overflight
June 14	Cancelled due to rain	
June 15	NY/NJ Harbor Complex Long Island Beaches	Overflight Rockaway to Shinnecock Inlet East
June 16	Cancelled due to mechanical problems	
June 17	NY/NJ Harbor Complex	Overflight
June 18	NY/NJ Harbor Complex Perpendiculars	Overflight NYB20's, JC 14, 27, 41, 53

Projected Activities for Next Week:

June 19	NY/NJ Harbor Complex	Overflight
June 21	NY/NJ Harbor Complex	Overflight
June 22	NY/NJ Harbor Complex Long Island Beaches	Overflight Rockaway to Shinnecock Inlet East
June 23	NY/NJ Harbor Complex New Jersey Beaches	Overflight Sandy Hook to Cape May Point
June 24	NY/NJ Harbor Complex NJDEP 200 station network	Overflight Sandy Hook to Atlantic City
June 25	NY/NJ Harbor Complex Perpendiculars	Overflight JC61, 69, 75, 85, 90
June 26	NY/NJ Harbor Complex	Overflight

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables a total of seven times from June 8 through June 18. The Harbor Complex was clear of significant debris six out of the seven days.

On June 10, a rainbow sheen, approximately 1/4 mile long by 300 yards wide, was observed in Newark Bay and reported to the Coast Guard.

On June 18, a slick approximately 1/4 mile long by 10 feet wide was observed in the Upper New York Harbor. A larger slick, approximately 1/2 mile long was reported just south of the Verrazano Bridge in the Lower New York Harbor. Both slicks consisted of paper, wood and plastic debris and were reported to the Army Corps of Engineers. Clean ups were conducted as necessary.

Bacteria

On June 8 and 15, bacteriological samples were taken along the Long Island coast from Rockaway Point (LIC01) to Shinnecock Inlet East (LIC28). On June 9, samples were taken along the New Jersey coast from Sandy Hook (JC01A) to Cape May Point (JC99). The Long Island samples were tested for fecal coliform (FC) and enterococcus bacteria. Starting this year, New Jersey has adopted new water quality standards, and will base closings on enterococcus counts, therefore New Jersey samples will only be tested for enterococcus bacteria.

On June 8, along the Long Island coast, the highest fecal coliform count, 9 FC/100ml, occurred at Atlantic Beach (LIC07). The highest enterococcus count, 8 enterococci/100ml, occurred at Rockaway Beach (LIC03).

On June 15, along the Long Island coast, the highest fecal coliform count, 4 FC/100ml, occurred at Rockaway (LIC04) and Gilgo Beach (LIC15). The highest enterococcus count, 53 enterococci/100ml, occurred at Long Beach (LIC09).

Along the New Jersey coast, the highest enterococcus count, 20 enterococci/100ml, occurred at Hereford Inlet (JC92), on June 9.

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 18. The results are not available for this week's report and will be reported next week.