

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

DATE:

SUBJECT: New York Bight Monitoring Program Observations, 2005

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: John Kushwara, Chief
Monitoring and Assessment Branch (DESA-MAB)

Attached for your information is the fourth update of the 2005 NY Bight Monitoring Program. This update covers the period from June 25 - July 1, 2005.

Attachment

cc: Kathleen Callahan, Acting 2RA, via LAN
George Pavlou, Acting 2DRA, via LAN
Dore LaPosta, 2DECA, via LAN
Walter Mugdan, 2DEPP, via LAN
Bonnie Bellow, 2PAD, via LAN
Donna Vizian, 2OPM, via LAN
Eric Schaaf, 2ORC, via LAN
Deb Szaro, 2DESA, via LAN
Peter Brandt, 2PAD, via LAN
Mario Del Vicario, 2DEPP, via LAN
Mary Mears, 2PAD, via LAN
Doughlas Mckenna, 2DECA, via LAN
Felix Locicero, 2DEPP, via LAN
Janice Rollwagen, 2DEPP, via LAN
Larry Gaugler, 2DECA, via LAN
Bob Dieterich, 2DEPP, via LAN
Pat Carr, 2PAD, via LAN
John Bourbon, 2DESA, via LAN
Jim Ferretti, 2DESA, via LAN
Deborah Kay, 2DESA, via LAN
Irwin Katz, 2DESA, via LAN

Douglas Pabst, 2DEPP, via LAN
Robert Nyman, 2DEPP, via LAN
Kathleen Savino, 2DESA, via LAN
Leslie McGeorge, NJDEP, via LAN
Alfred Korndoerfer, NJDEP, via EMAIL
Eric Feerst, NJDEP, via EMAIL
Robert Connell, NJDEP, via EMAIL
Virginia Loftin, NJDEP, via EMAIL
Elaine Makatura, NJDEP, via EMAIL
Carol Hoffman, NYSDEC, via EMAIL
Robert Nuzzi, SCHD, via EMAIL
Lester Jargowsky, MCHD, via EMAIL
Ann Marie Fournier, MCHD, via EMAIL
Willams Simmons, MCHD, via EMAIL
Elizabeth Cosgrove, MCHD, via EMAIL
Fredrick Grassel, Rutgers via EMAIL
Dr. Robert Howarth, Cornell, via EMAIL
Robert Reid, NOAA, via EMAIL
Richard M. Warren, OCUA, via EMAIL
Richard C. Kunze, OCUA, via EMAIL
Kristen Milligan, COA, via EMAIL

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2MOS-MAB 2MOS-MAB 2MAB-DESA

Grebe

Braun

Kushwara

UPDATE OF NY BIGHT MONITORING PROGRAM FROM June 25 - July 1, 2005

NY Bight Sampling has been as follows:

June 25	NY/NJ Harbor Complex	Overflight
June 27	NY/NJ Harbor Complex	Canceled due to rain
	Perpendiculars	Canceled due to rain
June 28	NY/NJ Harbor Complex	Overflight
	Long Island Beaches	Canceled due to sea fog
June 29	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Island Beach State Park
June 30	NY/NJ Harbor Complex	Overflight
	Perpendiculars	Canceled due to sea fog
July 1	NY/NJ Harbor Complex	Overflight
	Perpendiculars	Canceled due to sea fog

Projected Activities for Next Week:

July 2	NY/NJ Harbor Complex	Overflight
July 4	NY/NJ Harbor Complex	Overflight
July 5	NY/NJ Harbor Complex	Overflight
	Long Island Beaches	Rockaway to Shinnecock Inlet East
July 6	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May Point
July 7	NY/NJ Harbor Complex	Overflight
	Perpendiculars	JC61, JC69, JC75, JC85, JC90
July 8	NY/NJ Harbor Complex	Overflight
	Perpendiculars	NYB20's, JC14, 27, 41, 53
July 9	NY/NJ Harbor Complex	Overflight

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables four times from June 28 - July 1. The Harbor Complex was clear of significant floatable debris all four days.

Bacteria

On June 29, samples were taken along the New Jersey coast from Sandy Hook (JC01A) to Island Beach State Park (JC55). The Long Island beaches, and the remaining New Jersey beaches were not sampled due to heavy sea fog and poor visibility. New Jersey samples were analyzed for enterococcus bacteria.

On June 29, along the New Jersey coast, the highest enterococcus count, 7 enterococci/100ml, occurred at Spring Lake (JC30).

All counts are well 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 June 24. These data were not available for last week's report.

Tables 1 and 2 present the bottom dissolved oxygen (DO) results for the perpendiculars sampled on June 24. The lowest DO value 5.5 mg/l, occurred three nautical miles off Belmar (JC27G) and one nautical mile off Bay Head, (JC41EG). These values are typical for this time of year.

Table 1

Dissolved Oxygen Concentrations of Bottom Water Samples at the Sandy Hook Perpendiculars (mg/l)- June 24, 2005.

Location (Nautical Miles Offshore)	Station	DO (mg/l)
2	NYB20	7.4
4	NYB21	6.8
6	NYB22	7.3
7.4	NYB23	6.0
8.6	NYB24	6.5

Table 2

Dissolved Oxygen Concentrations of Bottom Water Samples at the Long Branch (JC14), Belmar (JC27), Bay Head (JC 41) and Seaside Heights (JC53) perpendiculars (mg/l) - June 24, 2005.

Location (Nautical Miles Offshore)	Long Branch JC 14	Belmar JC 27	Bay Head JC 41	Seaside Heights JC 53
1	7.2	5.8	5.5	6.7
3	6.7	5.5	6.5	7.6
5	6.2	6.2	7.0	8.4
7	7.1	5.6	6.4	8.2
9	7.6	7.3	6.2	6.9