

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

DATE:

SUBJECT: New York Bight Monitoring Program Observations, 2002

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, Acting Chief
Monitoring and Assessment Branch (DESA-MAB)

Attached for your information is the eleventh update of the 2002 NY Bight Monitoring Program.
This update covers the period from August 3 - 9, 2002.

Attachment

cc: Jane Kenny, 2RA, via LAN
William Muszynski, 2DRA, via LAN
Richard Caspe, DECA, via LAN
Walter Mugdam, DEPP, via LAN
Bonnie Bellow, 2CD, via LAN
Herbert Barrack, 2OPM, via LAN
Eric Schaaf, 2ORC, via LAN
Paul Molinari, 2DEPP, via LAN
Deborah Szarro, 2DESA, via LAN
Peter Brandt, 2CD, via LAN
Mario Del Vicario, 2DEPP, via LAN
Janice Rollwagen, 2DEPP, via LAN
Felix Locicero, 2DEPP, via LAN
Larry Gaugler, DECA, via LAN
Pat Carr, 2CD, via LAN
Mary Mears, 2CD, via LAN
John Bourbon, 2DESA, via LAN
Jim Ferretti, 2DESA, via LAN
Deborah Kay, 2DESA, via LAN
Irwin Katz, 2DESA, via LAN
Bob Dieterich, 2DEPP, via LAN
Douglas Pabst, 2DEPP, via LAN
Robert Nyman, 2DEPP, 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, NYSDES
Robert Nuzzi, SCHD, via EMAIL
Lester Jarowsky, MCHD, via EMAIL
Ann Marie Fournier, MCHD, via EMAIL
Williams Simmons, MCHD, via EMAIL
Elizabeth Cosgrove, MCHD, via EMAIL
J. Fredrick Grassel, Rutgers via EMAIL
Dr. Robert Howarth, Cornell, via EMAIL
Robert Reid, NOAA, via EMAIL

2MOS-MAB-DESA:HGrebe:hg:x6797:bldg209:finalized:8/9/02

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Grebe Glogower Braun

UPDATE OF NY BIGHT MONITORING PROGRAM FROM August 3 - 9, 2002

NY Bight Sampling has been as follows:

August 3	NY/NJ Harbor Complex	Overflight
August 5	NY/NJ Harbor Complex	Overflight
	Delaware River Basin	Delaware River
	Commission	
August 6	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May
August 7	NY/NJ Harbor Complex	Overflight
	Long Island Beaches	Rockaway to Shinnecock Inlet
August 8	NY/NJ Harbor Complex	Overflight
	NJDEP 200 Stations	Sandy Hook to Barnegat
August 9	NY/NJ Harbor Complex	Overflight
	Perpendiculars	JC61, JC69

Projected:

August 10	NY/NJ Harbor Complex	Overflight
August 12	NY/NJ Harbor Complex	Overflight
	NJDEP 200 Stations	Barnegat to Delaware River
August 13	NY/NJ Harbor Complex	Overflight
	Long Island Beaches	Rockaway to Shinnecock Inlet
August 14	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May
August 15	NY/NJ Harbor Complex	Overflight
	Perpendiculars	JC61's, JC69, JC75, JC85, JC90
August 16	NY/NJ Harbor Complex	Overflight
	Perpendiculars	NYB20's, JC14, 27, 41, 53

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables a total of six times from August 3 - 9, 2002.

On August 5, the New York City Department of Environmental Protection reported garbage washing ashore on South Beach, Staten Island, NY. The helicopter crew responded to the call and reported a large slick approximately 2 - 3 miles long from the Verrazano Bridge running west along South Beach. The slick was of heavy density in some areas, as wide as 100 yards, and consisted of paper and plastic. The slick was spotted in the surf zone and up to 500 feet offshore. Larry Gaugler worked out the necessary cleanup procedures with the Corps of Engineers and the NYCDEP.

On August 7, a medium density slick approximately 3/4 miles long consisting of wood and paper was reported in the Hudson River. Cleanup was conducted as necessary.

Bacteria

Bacteriological samples were collected along the New Jersey coast from Sandy Hook (JC01) to Cape May (JC99) on August 6, and along the Long Island coast, from Rockaway (LIC01) to Shinnecock Inlet (LIC28), on August 7. The samples were tested for fecal coliform (FC) and enterococcus bacteria.

On August 6, along the New Jersey coast, the highest FC count, 32 FC/100ml, and the highest enterococcus count, 77 enterococci/100ml, occurred at Long Branch (JC14).

Along the Long Island coast, the highest FC count, 4 FC/100ml, occurred at Cedar Island Beach (LIC16). The highest enterococcus count, 13 enterococci/100ml, occurred at Far Rockaway (LIC05). The majority of the remaining results was zero.

All values are below the FC and enterococcus Federal and State standards.

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 three sites along the Delaware River, on Monday August 5. All samples were analyzed by a contract Laboratory for bacteria, algae, metals, dissolved oxygen and organic carbon. Additional sampling is scheduled for September 3 and will augment DRBC's longstanding water quality sampling program in the Delaware Estuary.

Dissolved Oxygen

The Barnegat (JC61) and Beach Haven (JC69) perpendiculars were sampled on August 9. The results are not available for this week's report and will be reported next week.