

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

UPDATE OF NY BIGHT MONITORING PROGRAM FROM July 15 – July 21, 2006

NY Bight Sampling has been as follows:

July 15	NY/NJ Harbor Complex	Overflight
July 17	NY/NJ Harbor Complex NJDEP Nutrient Network	Overflight Sandy Hook to Barnegat
July 18	NY/NJ Harbor Complex LI Beaches	Overflight Rockaway to Shinnecock Inlet
July 19	NY/NJ Harbor Complex New Jersey Beaches	Overflight Sandy Hook to Cape May
July 20	NY/NJ Harbor Complex NJDEP Nutrient Network	Overflight Barnegat to Delaware Bay
July 21	NY/NJ Harbor Complex Perpendiculars	Overflight Canceled due to high seas

Projected Activities for Next Week:

July 22	NY/NJ Harbor Complex	Overflight
July 24	NY/NJ Harbor Complex Perpendiculars	Overflight JC61, JC69, JC75, JC85, JC90
July 25	NY/NJ Harbor Complex LI Beaches	Overflight Rockaway to Shinnecock Inlet
July 26	NY/NJ Harbor Complex New Jersey Beaches	Overflight Sandy Hook to Cape May
July 27	NY/NJ Harbor Complex Perpendiculars	Overflight NYB20, JC14, JC27, JC41, JC53
July 28	NY/NJ Harbor Complex Perpendiculars	Overflight JC61, JC69, JC75, JC85, JC90
July 29	NY/NJ Harbor Complex	Overflight

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables six times from July 15 – July 21, 2006. The Harbor Complex was clear of significant floatable debris on July 17, 19 and 20.

On July 15, a slick, approximately 1 ½ miles long by 100 feet wide, was reported in Gravesend Bay. The slick consisted of large wood, trash and tires.

On July 18, a slick, approximately 2 miles long by 100 feet wide, was reported in Newark Bay.

On July 21, a small patch of debris, approximately 300 square feet, was reported in Newark Bay.

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

Bacteria

On July 18, bacteriological samples were taken along the Long Island coast from Rockaway Point (LIC01) to Shinnecock Inlet East (LIC28). On July 19, 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. The New Jersey samples were analyzed for enterococcus bacteria.

On July 18, along the Long Island coast, the highest fecal coliform count, 22 FC/100ml, occurred at Far Rockaway (LIC05). All enterococcus counts were zero.

On July 19, along the New Jersey coast, several unusually high bacteriological counts were reported. All counts were below the single sample maximum water quality standard of 104 enterococci/100ml. The counts were as follows: 36 enterococci/100ml at Sandy Hook (JC03), 20 enterococci/100ml at Ocean Grove (JC24), 37 enterococci/100ml at Shark River Inlet (JC26), 55 enterococci/100ml at Belmar (JC27), 66 enterococci/100ml at Spring Lake (JC30), 60 enterococci/100ml at Sea Girt (JC33), and 22 enterococci/100ml at Manasquan (JC35). All other counts were below 6 enterococci/100ml.

NJDEP NEPPS

As part of our Performance Partnership Agreement with NJDEP, surface water samples were collected at 37 stations from Sandy Hook to Delaware Bay on July 17 and 20. The samples will be analyzed by NJDEP for chlorophyll, salinity, nitrate, nitrite, ortho-phosphate, ammonia, total nitrogen, and total suspended solids. Samples were also collected for temperature and dissolved oxygen analyses, which were completed in the field and by our Edison Laboratory respectively. These 37 stations are part of NJDEP's 200 Nutrient Station Network.