

Sixth update of the 2009 Helicopter Monitoring Program

Floatables:

The New York/New Jersey Harbor Complex was monitored for floatables five times from June 27 - July 2. The Harbor was clear of significant floatables on all five days.

Sampling:

Bottom water samples were collected for dissolved oxygen (DO) analysis at stations one and nine miles off the coast of New Jersey at the following stations: Sandy Hook (NYB20), Long Branch (JC14), Belmar (JC27), Bay Head (JC41), Seaside Heights (JC53), Barnegat (JC61), Beach Haven (JC69), Atlantic City (JC75), Strathmere (JC85) and Hereford (JC90), on June 22. Station NYB20 and stations ending with an "E" are approximately one nautical mile off the coast, and station NYB21 and stations ending with a "G" are approximately three nautical miles off the coast.

For more on results, analyzed and reported by NJDEP see DO results chart on page 2.

The lowest DO value, 2.75 mg/l, occurred one nautical mile off Strathmere, (JC85E). EPA water quality criteria guidelines for DO, roughly show DO concentrations between 2 - 3 mg/l to be lethal if prolonged.

Water quality samples were collected at 26 locations from Rockaway to Shinnecock Inlet, on June 30. Samples were given to the New York State Department of Environmental Conservation (NYSDEC) to conduct bacteriological analyses. These samples help fulfill NYSDEC's commitments to the National Shellfish Sanitation Program.

<u>Site</u>	<u>Result (mg DO/L)</u>
NYB20	6.15
21	7.05
JC14E	6.65
G	7
27E	6.1
G	6.4
41E	2.95
G	5.9
53E	4.3
G	5
61E	7.1
G	7.4
69E	5
G	4.95
75E	5.35
G	6.3
85E	2.75
G	5.15
90E	5.2
G	6.9