

Thirteenth update of the 2009 Helicopter Monitoring Program

Floatables:

The New York/New Jersey Harbor Complex was monitored for floatables six times from August 15 - 21. The Harbor was clear of significant floatables on August 15 - 20.

On August 21, a slick approximately, one half mile long by 15 feet wide, was reported in the Gravesend Bay. The slick was reported to the Army Corps of Engineers.

Sampling:

Water quality samples were collected at 26 locations from Rockaway to Shinnecock Inlet, on August 18. 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.

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 August 20. 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.

Results, analyzed and reported by NJDEP are on page 2.

The lowest DO value, 0.9 mg/l, occurred one nautical mile off Belmar, (JC27E). Seven other values were below 2 mg/l (see attached report). EPA water quality criteria guidelines for DO, roughly show DO concentrations below 2 mg/l to be lethal in a relatively short time. Rough surf from the effects of Hurricane Bill are expected to effect the entire coast of New Jersey and should help increase these depressed DO values.

date: 8/20/2009

Station	Time	Temp	DO
NYB20	908	22.7	5.8
NYB21	903	21.2	5
JC14E	920	18.4	1.55
JC14G	916	16.3	1.7
JC27E	932	17.8	0.9
JC27G	928	18	2.25
JC41E	948	16.3	1.7
JC41G	943	15.7	2.05
JC53E	1001	17.3	1.15
JC53G	957	15.6	1.9
JC61E	1053	17.6	1.15
JC61G	1048	16.8	1.6
JC69E	1115	18.7	2.95
JC69G	1108	15.9	2.35
JC75E	1130	22.7	3.7
JC75G	1126	18.2	2.1
JC85E	1146	18.6	2.1
JC85G	1143	17.1	3.55
JC90E	1200	22.2	2.9
JC90G	1158	20	2.5