

Fifteenth update of the 2009 Helicopter Monitoring Program

Floatables:

The New York/New Jersey Harbor Complex was monitored for floatables eight times from August 29 - September 7. The Harbor was clear of significant floatables on all eight days.

On August 29, an oily sheen, approximately 200 yards long by 20 yards wide was reported in the Arthur Kill. This sheen continued throughout the lower end of Newark Bay and into the Kill Van Kull.

On September 3, an oily sheen, approximately 2 miles long extending the width of the Arthur Kill, was reported.

All oily sheens were reported to the US Coast Guard.

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 September 4. 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.

See page 2 for results, analyzed and reported by NJDEP.

The majority of the DO concentrations showed significant increases over the last sampling event of August 20. Only two DO values were below 2.0 mg/l, 1.2 mg/l occurring three nautical miles off Bay Head (JC41G), and 1.4 mg/l occurring one nautical mile off Belmar (JC27E).

This marks the end of the 2009 Helicopter Monitoring Program. Thank you for your interest, see you all next year.

date: 9/4/2009

Station	Time	Temp	DO		
NYB20	811	19.8	4.15		
NYB21	817	19.5	8.10		
JC14E	836	19.6	4.60		
JC14G	842	18	3.45		
JC27E	853	18.2	1.40		
JC27G	858	17.7	2.00		
JC41E	909	21.5	6.90		
JC41G	914	16.2	1.20		
JC53E	923	21.5	6.10		
JC53G	928	21.5	6.60		
JC61E	1003	21.6	7.35		
JC61G	1009	21.9	6.65		
JC69E	1022	21.2	7.90		
JC69G	1026	21.8	7.10		
JC75E	1039	21.3	7.35		
JC75G	1043	21.5	7.40		
JC85E	1056	20.9	7.10		
JC85G	1100	21.1	6.75		
JC90E	1111	21.1	7.00	dup	trip
JC90G	1115	21.4	7.10	6.90	7.00