

Ninth update of the 2008 Helicopter Monitoring Program

Floatables:

The New York/New Jersey Harbor Complex was monitored for floatables five times from July 26 - August 1. The helicopter was down for maintenance on July 26. The Harbor was clear of significant floatables on July 29.

On July 28, a slick, approximately 300 feet long by 10 feet wide, was reported in Newark Bay.

On July 30, three slicks, each approximately 300 to 400 feet long by 10 to 20 feet wide, were reported in the Arthur Kill, the Hudson River and the Upper Harbor.

On July 31, a slick, approximately 2,000 feet long and 20 feet wide, was reported in Newark Bay. A slick, approximately 600 feet long by 10 feet wide, was reported in the Kill Van Kull. A slick, approximately 400 feet long by 30 feet wide, was reported in the Hudson River. A patch, approximately 200 feet by 100 feet, was reported in Gravesend Bay.

On August 1, two slicks were reported in Newark Bay, one slick was approximately 600 feet long and 30 feet wide, and the second slick was approximately 300 feet long by 20 feet wide. A slick, approximately 3,000 feet long by 5 feet wide, was reported in the Arthur Kill. A slick, approximately 1,000 feet long by 10 feet wide, was reported in the Upper Harbor.

All floatable debris slicks consisted of large wood, tires, paper and plastics and were reported to Army Corps of Engineers. The Army Corps of Engineers conducted clean-ups as necessary.

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 areas: 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 July 29. 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 the next page.

The lowest DO value, 3.95 mg/l, occurred one nautical mile off Barnegat, (JC61E). All values are typical for this time of year.

EPA Helicopter Samples Dissolved Oxygen Results 7/29/2008

Date	Time	Station ID	Latitude	Longitude	Water Temp (C)	Bottom DO mg/l
7/29/2008	10:15	JC14E	40.3	-73.96167	16.4	5.7
7/29/2008	10:10	JC14G	40.3	-73.91833	14.7	5.7
7/29/2008	10:22	JC27E	40.21667	-73.98167	14.7	4.7
7/29/2008	10:26	JC27G	40.21667	-73.93833	13.4	6.55
7/29/2008	1:05	JC41E	40.05	-74.025	13.8	4.45
7/29/2008	10:58	JC41G	40.05	-73.98167	12.6	5.1
7/29/2008	11:17	JC53E	39.91667	-74.055	14.2	5.3
7/29/2008	11:20	JC53G	39.91667	-74.01167	11.6	5.3
7/29/2008	11:36	JC61E	39.75	-74.08334	15.1	3.95
7/29/2008	11:32	JC61G	39.75	-74.04	13.7	5.25
7/29/2008	12:00	JC69E	39.53833	-74.23666	13.2	4.7
7/29/2008	No Sample	JC69G	39.53833	-74.19334	No Sample	No Sample
7/29/2008	12:59	JC75E	39.35	-74.395	15.7	5.5
7/29/2008	13:01	JC75G	39.35	-74.35167	13.8	5.1
7/29/2008	13:16	JC85E	39.2	-74.63	13.8	4
7/29/2008	13:21	JC85G	39.2	-74.58667	12.7	4.3
7/29/2008	13:38	JC90E	39.03833	-74.745	13.7	5.25
7/29/2008	13:32	JC90G	39.04	-74.70	13.7	6.1
7/29/2008	9:54	NYB20	40.39833	-73.935	14.7	5.6
7/29/2008	10:03	NYB21	40.39833	-73.8916667	12.7	6.1

