

## 13th Update of the 2008 Helicopter Monitoring Program

### Floatables:

The New York/New Jersey Harbor Complex was monitored for floatables four times from August 23 - 29. The Harbor was clear of significant floatables on August 26 - 28. Floatable flights were not conducted on August 23 and 25 due to maintenance.

On August 27, an oily sheen, approximately 3 miles long, was reported in Newark Bay. The rainbow sheen appeared to be coming from the dredging operations off Elizabeth Seaport. On August 28 the sheen was significantly smaller. On August 29 the sheen was again observed and approximately 2 miles long by 100 feet wide. The sheen was reported to the US Coast Guard.

On August 29, a slick, approximately 1,000 feet long by 20 feet wide, was reported in Newark Bay. This floatable debris slick consisted of a tire, paper and plastics and was 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 August 27. 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 attached.

The lowest DO value, 2.4 mg/l, occurred one nautical mile off Strathmere, (JC85E). According to dissolved oxygen guidelines, dissolved oxygen concentrations between 2 and 3 mg/l are considered lethal if prolonged. Resampling is scheduled for September 2.

**date:** 8/27/2008

Station	Time	Temp	S Temp	DO	dup	trip
NYB20	850	18.3		4.2		
JC14E	919	20.6	21.2	6.4		
JC27E	925	19.8	21.1	6.05		
JC41E	1009	20.1	21.2	5.9		
JC53E	1019	20.4	20.3	7		
JC61E	1039	20.2		7.25		
JC69E	1055	20.3	20.8	6.4		
JC75E	1118	21.4	21.4	5.9		
JC85E	1220	19.4	21.8	2.4		
JC90E	1253	22	22.6	3.3		
NYB21	854	16		5.4		
JC14G	912	17.5		5		
JC27G	931	16.2		5.05		
JC41G	1004	14.6		6.35		
JC53G	1024	17.9		5.3		
JC61G	1033	19.1		6.3		
JC69G	1058	18.4		4.6		
JC75G	1113	21.2		5.9		
JC85G	1224	18.1		3.55		
JC90G	1246	21.4		5.35		