

Water-Monitoring Report, November 8, 2005

Below is a copy of the sampling report update for Hempstead Harbor through **November 3**, and it is the last report for the 2005 water-monitoring season. The narrative and data are provided by:



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DO

On October 27, bottom DO levels ranged from 6.87 ppm at CSHH #8 to 7.85 ppm at CSHH #3. Bottom water temperatures ranged from 11.48°C – 13.93°C. pH levels were slightly basic ranging from 7.82 at CSHH # 8 to 8.06 at CSHH # 1.

On November 3, bottom DO levels ranged from 7.92 ppm at CSHH #2 to 8.80 ppm at CSHH #8. Bottom water temperatures ranged from 12.29°C – 13.13°C.

Color and Clarity

On October 27, secchi depth ranged from .25 meters in the lower harbor (CSHH #6 and #7) to 2 meters in the upper harbor (CSHH #2). The water color was a normal green at most stations except for CSHH # 7 (the station closest to Bryant Landing and the Roslyn viaduct), where the color was an opaque brown. A large amount of foam was again observed along the seawall near the Glen Cove STP discharge pipe.

On November 3, secchi depth ranged from 1.75 meters in the lower harbor to 3.0 meters in the upper harbor. The water color was a normal green at most stations.

Observations

On October 27, there were two barges by the boat dock. One barge had old tugboats and junk aboard, while the other barge was using a crane to unload one of the tugboats.

Birds observed included 25 gulls and terns in the harbor, 1 brandt, 3 swans, 19 cormorants, 1 Canadian goose, 2 male and 1 female mallards, and 1 blue heron.

On November 3, there was an oil barge with a tug going to the Mobil terminal. There were also 15 egrets at the Sea Cliff Yacht Club. There were also 6 ducks at the Glen Clove STP.

Fishing Report

Reports came in from two sources about incredible bass fishing over the weekend (November 4-6), with a lot of undersized fish that were caught and released.

As reported by my Hempstead Harbor Anglers source, Pete, a fisherman, who was by the barges off the western shore of the harbor late Sunday afternoon in all that wind, said he caught more bass than he has ever caught before— 50 to 60 while he was just drifting across the harbor and jigging. At one point, he saw something that looked like a buoy, and then it was gone. When it came back **he saw it was a seal with a 2-foot long striped bass in his mouth**. The seal casually laid on his back and ate the entire bass. He went down again and came up with another and enjoyed that also.

Pete said that the bass have found lots of bait everywhere in the harbor and that to him the water seems very clean. Here is more from Pete:

"I have been busy black fishing; the good news is the season is turning out to be the best one in many years. We are catching many blacks in the sound, and everyone is catching many short fish, under 14 inches which is a great sign for the future.

I caught a very large angler fish at Matinecock on Saturday

I trap green crabs in the marina and business is good, also getting many American eels which are being released."



CSHH Water-Monitoring Program 2005

Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH	Air Temp (°C)	Depth (m) (bottom)	Time
	Surface	Bottom	Surface	Bottom	Surface	Bottom				
CSHH #1 - Beacon 11										
6/2/2005	16.17	14.65	19.76	20.23	8.89	6.44	8.04	14.1	5.3	8:35
6/9/2005	18.85	18.57	19.81	19.86	6.94	6.70	7.50	25.0	1.3	9:15
6/16/2005	15.78	13.71	24.64	24.98	4.17	2.84	7.45	18.6	5.2	8:40
6/23/2005	19.97	18.00	24.16	24.64	5.61	3.02	7.62	21.3	3.5	9:25
06/30/05	18.73	17.44	24.75	25.01	5.30	3.51	7.51	22.1	3.9	8:40
07/07/05	21.73	21.75	24.31	24.39	7.15	7.09	7.86	20.7	1.8	7:55
07/14/05	22.80	21.75	24.17	24.63	3.02	2.39	7.36	25.0	3.0	8:10
07/21/05	26.40	23.90	23.70	24.29	7.69	2.57	7.80	27.2	3.0	8:05
07/28/05	23.60	23.58	24.74	24.76	4.97	4.84	7.45	24.2	4.3	9:15
08/04/05	23.84	21.96	25.04	25.39	2.95	0.53	7.28	27.2	3.6	8:30
08/11/05	24.53	23.95	25.02	25.22	2.23	1.19	7.20	27.6	2.9	8:15
08/18/05	24.19	23.51	24.89	25.31	2.06	0.11	7.29	22.0	3.6	8:15
08/25/05	23.93	23.95	25.44	25.52	5.68	5.55	7.59	20.8	2.3	8:15
09/01/05	23.17	22.75	26.15	26.73	4.34	2.67	7.40	24.8	3.9	8:15
09/08/05	22.91	22.82	25.99	26.11	7.32	6.62	7.75	22.6	2.5	9:15
09/15/05	Survey cancelled because of wind an rain.									
09/22/05	22.84	22.85	26.01	26.16	4.67	4.37	7.55	23.6	2.3	9:00
09/29/05	21.49	21.51	26.90	26.97	6.45	5.73	7.69	23.4	4.9	10:05
10/06/05	20.76	20.78	25.97	26.61	7.20	6.70	7.84	19.5	2.4	9:20
10/13/05	Survey cancelled because of wind and rain.									
10/20/05	15.70	15.73	23.90	23.97	7.72	7.58	7.88	12.5	2.7	9:05
10/27/05	11.60	13.20	23.64	24.69	8.35	7.81	8.06	7.9	4.5	9:00
11/03/05	12.12	12.78	24.19	24.74	8.72	8.12	8.27	13.0	4.5	9:40

Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH	Air Temp (°C)	Depth (m) (bottom)	Time
	Surface	Bottom	Surface	Bottom	Surface	Bottom				
CSHH #2 - Bell Marker 6										
6/2/2005	16.15	14.32	20.08	20.45	10.59	7.77	8.29	18.2	8.6	10:55
6/9/2005	19.17	15.10	20.04	20.52	9.79	4.94	7.50	24.3	7.0	9:40
6/16/2005	17.56	13.53	24.6	25.07	8.77	3.94	8.17	20.5	8.3	10:05
06/23/05	19.10	16.69	24.63	24.92	8.30	4.49	8.10	22.0	7.2	10:10
06/30/05	19.28	17.05	24.77	25.11	8.45	4.98	7.95	24.5	8.3	9:20
7/7/2005	21.02	18.29	24.72	25.24	9.56	4.91	8.28	20.1	5.0	8:25
7/14/2005	22.39	21.10	24.26	24.79	7.19	5.34	7.90	25.2	7.3	8:40
07/21/05	25.25	20.87	24.31	24.95	9.41	1.82	8.17	28.4	7.3	9:00
07/28/05	22.82	22.51	25.09	25.12	6.85	6.27	7.81	24.0	5.5	9:45
08/04/05	24.06	21.64	25.24	25.48	6.06	1.59	7.65	28.5	7.6	9:15
08/11/05	23.78	21.52	25.49	25.79	6.37	0.23	7.68	29.0	7.4	8:45
08/18/05	24.21	23.56	25.42	25.47	5.79	4.38	7.74	22.4	8.6	10:00
08/25/05	Abandoned station because of wind and waves.									
9/1/2005	22.94	22.27	26.74	27.00	4.75	2.06	7.58	24.3	9.5	8:44
09/08/05	23.01	22.65	26.82	27.06	7.34	3.16	7.93	23.5	6.6	9:40
09/15/05	Survey cancelled because of wind and rain.									
09/22/05	23.03	22.89	26.82	26.97	5.23	3.73	7.61	24.9	7.2	9:23
09/29/05	Station abandoned after surface sampling due to strong wind and waves.									
10/6/2005	21.08	21.09	27.08	27.22	8.42	5.59	8.12	19.9	7.5	9:50
10/13/05	Survey cancelled because of wind and rain.									



CSHH Water-Monitoring Program 2005

Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH	Air Temp (°C)	Depth (m) (bottom)	Time
	Surface	Bottom	Surface	Bottom	Surface	Bottom				
10/20/05	16.74	16.52	25.06	25.08	7.38	7.28	8.07	12.7	6.4	9:30
10/27/05	13.19	13.44	25.25	25.43	8.25	7.64	8.03	9.1	9.0	10:21
11/03/05	13.15	13.13	25.09	25.10	8.34	7.92	8.05	14.7	9.1	10:05

Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH	Air Temp (°C)	Depth (m) (bottom)	Time
	Surface	Bottom	Surface	Bottom	Surface	Bottom				

CSHH #3 - Glen Cove Creek, Red Marker

6/2/2005	16.63	14.50	19.66	20.42	9.43	5.88	8.16	18.3	4.4	11:25
6/9/2005	19.52	17.70	20.10	20.24	11.05	7.22	8.00	25.5	3.5	10:20
06/16/05	17.57	15.26	24.41	24.85	7.45	5.07	7.99	20.1	4.0	10:30
06/23/05	19.13	17.95	20.52	24.83	6.95	5.64	7.91	23.1	4.6	10:40
06/30/05	19.25	17.07	24.58	25.06	6.34	3.47	7.63	24.6	4.4	9:45
07/07/05	20.56	20.33	24.50	24.89	7.95	7.14	8.05	19.8	3.6	9:00
07/14/05	22.50	21.23	23.05	24.80	5.70	3.30	7.64	26.3	3.8	9:00
07/21/05	25.71	22.23	24.06	24.62	9.23	2.24	8.07	28.9	4.0	9:20
07/28/05	23.29	22.68	24.35	24.97	5.83	4.47	7.61	24.3	3.3	10:20
08/04/05	23.94	21.92	25.18	25.43	5.51	1.77	7.57	28.8	4.9	9:55
08/11/05	24.47	22.31	24.81	25.70	6.51	0.68	7.70	28.2	3.2	9:10
08/18/05	24.22	23.44	24.83	25.40	4.65	2.18	7.46	22.6	5.5	10:35
08/25/05	23.99	23.96	25.57	26.15	4.58	4.00	7.54	21.5	3.1	8:50
09/01/05	23.05	23.01	26.58	26.63	5.18	4.70	7.62	25.3	4.6	9:22
09/08/05	23.03	22.90	26.39	26.77	8.14	4.59	7.99	24.3	3.0	10:03
09/15/05	Survey cancelled because of wind and rain.									
09/22/05	23.49	23.41	26.82	26.92	5.45	4.88	7.62	25.3	2.4	9:41
09/29/05	21.61	21.60	26.86	26.86	6.85	6.74	7.76	24.1	5.0	10:45
10/06/05	20.85	20.81	26.53	26.61	9.38	9.06	8.15	20.2	3.7	10:15
10/13/05	Survey cancelled because of wind and rain.									
10/20/05	16.23	16.42	24.40	24.75	7.65	7.50	8.08	13.3	3.1	9:47
10/27/05	12.16	13.47	24.21	25.37	8.46	7.85	8.03	9.4	3.9	10:37
11/03/05	12.30	12.29	24.58	24.57	8.59	8.53	8.02	14.0	5.3	10:25

Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH	Air Temp (°C)	Depth (m) (bottom)	Time
	Surface	Bottom	Surface	Bottom	Surface	Bottom				

CSHH #8 - Glen Cove Sewage Treatment Plant

6/2/2005	16.97	16.50	17.31	20.00	7.92	8.24	7.76	19.0	1.9	11:45
6/9/2005	20.15	19.50	17.02	19.99	8.99	8.81	7.90	28.0	1.7	10:50
6/16/2005	Cleanup of oil spill (6/15/05) in Glen Cove Creek prevented sampling by STP.									
06/23/05	19.39	19.11	23.83	24.39	7.00	6.38	7.91	23.1	3.3	11:05
06/30/05	20.19	19.38	24.29	24.63	5.10	4.97	7.44	24.8	2.4	10:05
07/07/05	20.62	20.57	24.70	24.78	6.25	6.16	7.79	20.7	2.0	9:30
07/14/05	22.62	22.31	23.85	24.29	5.10	3.92	7.60	26.5	2.0	9:20
07/21/05	25.45	25.39	23.19	23.97	8.35	7.75	7.97	29.2	3.1	9:50
07/28/05	24.16	23.45	21.60	24.95	4.61	4.07	7.41	25.4	1.5	10:50
08/04/05	24.51	23.33	21.74	25.23	5.44	2.97	7.43	31.2	3.2	10:20
08/11/05	25.38	24.13	23.69	25.09	7.95	4.40	7.48	30.6	1.5	9:35
08/18/05	24.26	24.12	22.05	25.02	3.31	2.72	7.34	24.4	3.8	11:05
08/25/05	24.63	24.22	25.81	25.95	3.61	3.72	7.41	22.4	1.4	9:30
09/01/05	24.23	23.38	24.50	26.33	6.06	4.22	7.64	26.2	3.2	9:46
09/08/05	23.74	23.44	25.68	26.35	7.93	6.33	7.92	25.0	1.7	10:20
09/15/05	Survey cancelled because of wind and rain.									
09/22/05	23.78	23.70	25.86	26.39	5.12	4.60	7.53	25.4	1.5	10:03
09/29/05	21.90	21.76	20.84	26.62	6.01	5.13	7.51	24.0	3.0	11:15
10/06/05	20.65	20.87	22.23	26.60	9.48	8.00	8.15	20.6	2.4	10:36
10/13/05	Survey cancelled because of wind and rain.									
10/20/05	16.44	16.47	23.48	24.23	7.00	7.07	7.96	12.5	2.1	10:10
10/27/05	13.52	13.93	20.25	25.00	7.38	6.87	7.82	8.9	2.6	10:50
11/03/05	13.39	12.49	20.10	24.61	9.11	8.80	7.91	16.0	3.2	10:45



CSHH Water-Monitoring Program 2005

Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH	Air Temp (°C)	Depth (m) (bottom)	Time	
	Surface	Bottom	Surface	Bottom	Surface	Bottom					
CSHH #4 - Bar Beach Spit											
06/02/05	15.77	15.20	20.05	20.21	7.88	6.77	7.90	17.4	3.2	10:35	
08/04/05	25.25	22.40	24.90	25.33	7.23	1.53	7.72	30.6	6.1	11:15	
09/01/05	23.34	23.31	26.02	26.06	4.61	4.57	7.53	26.2	1.9	10:16	
9/29/2005	Abandoned station because of wind.										
10/27/2005	12.17	12.55	23.85	24.04	8.33	7.75	8.02	8.9	2.7	9:24	
CSHH #5 - Mott's Cove											
06/02/05	16.26	15.30	19.61	19.94	7.66	6.61	7.88	16.5	1.6	10:15	
08/04/05	24.42	23.38	25.06	25.19	4.45	2.45	7.37	29.9	2.0	11:40	
8/25/05	Clam kill between CSHH #5 and CSHH #6						1.50				
9/1/2005	22.97	23.05	26.08	26.20	3.68	3.46	7.45	27.0	1.6	10:28	
9/29/2005	21.20	21.41	26.25	26.57	6.02	5.29	7.61	22.7	1.6	9:05	
10/27/2005	10.94	11.85	22.35	23.07	8.89	7.80	7.97	9.2	1.5	9:35	
CSHH #6 - East of Former Incinerator Site											
6/2/2005	16.52	15.78	19.72	20.04	7.75	6.48	7.90	16.5	1.9	10:00	
08/04/05	25.23	24.66	24.85	25.02	4.73	4.76	7.40	31.4	1.9	11:55	
09/01/05	23.40	23.21	26.18	26.28	4.71	3.88	7.59	27.5	2.1	10:41	
09/29/05	21.18	21.19	26.27	26.32	5.22	5.74	7.59	22.9	2.0	9:20	
10/27/05	10.93	11.82	21.60	22.58	8.43	7.78	8.0	8.9	1.6	9:47	
CSHH #7 - West of Bryant Landing (formerly site of oil dock)											
06/02/05	16.92	16.22	19.49	19.89	7.05	6.41	7.75	16.3	1.6	9:55	
8/4/2004	26.39	25.62	24.49	24.67	8.35	7.19	7.79	30.9	1.9	12:00	
09/01/05	23.82	23.73	25.53	25.76	6.17	5.68	7.72	28.2	1.5	10:51	
09/29/05	20.84	20.94	25.19	25.89	4.79	4.27	7.44	23.2	1.5	9:38	
10/27/05	10.00	11.48	16.75	21.75	8.70	7.64	7.9	9.7	1.1	9:56	