

Water-Monitoring Report, September 25, 2005

*Below is a copy of the sampling report update for Hempstead Harbor through **September 22** for the 2005 water-monitoring season. The narrative and data are provided by:*



Coalition to Save Hempstead Harbor • Sea Cliff, NY • 516-759-3832 • cshh@earthlink.net.

DO

Bottom DO levels ranged from 3.73 ppm to 4.88 ppm, with the top of the range lower than what it was two weeks ago. Bottom water temperature was pretty consistent at about 23°C, although bottom water temperature in Glen Cove Creek was a little warmer—closer to 24°C.

Color and Clarity

Secchi depth in the upper harbor measured between 1-2 meters. Water was the normal color of green.

Observations

Dozens of terns and gulls were noted along with 11 swans, 2 blue herons, and 2 black ducks.



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 and rain.									
09/22/05	22.84	22.85	26.01	26.16	4.67	4.37	7.55	23.6	2.3	9:00

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



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				

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

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



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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	
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	
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	
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	