



CSHH Water-Monitoring Program 2014

Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH (ppm)		Air Temp (°C)	Secchi (m)	Turbidity (NTUs)		Depth(m) (Bottom)	Time (AM)
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom			at 1/2 m	at Secchi depth		
CSHH #1 - Beacon 11														
8/6/14	22.5	21.7	26.68	26.27	6.89	3.56	7.67	7.40	22.1	0.5	2.26	N/A	5.5	8:10
7/30/14	22.8	22.8	25.21	25.43	6.94	6.38	7.69	7.68	19.5	1	4.18	3.55	3.25	8:05
7/23/14	21.5	21.0	25.60	26.00	4.04	2.83	7.38	7.30	24.3	0.5	8.82	N/A	3.5	8:05
7/17/14	20.3	20.3	25.27	25.32	5.01	4.28	7.5**		20.9	1.0	3.61	3.20	4.0	8:14
7/9/14	21.1	17.2	25.07	26.12	6.07	3.53	7.66	7.30	25.8	0.75	3.11	2.97	4.75	8:06
7/2/13	20.4	18.8	24.57	25.27	4.39	2.59	7.25	7.30	25.6	0.5	2.91	N/A	4.0	7:53
6/26/14	20.2	18.2	24.54	25.21	5.29	2.61	7.49	7.22	23.4	0.5	2.63	N/A	3.5	8:00
6/18/14	20.3	20.1	23.42	23.57	6.26	5.01	7.55	7.57	27.4	0.5	3.76	N/A	4.0	8:00
6/11/14	18.6	17.4	23.95	24.74	7.55	4.35	7.80	7.76	17.6	0.5	4.14	N/A	5.0	8:35
6/4/14	17.2	16.7	24.27	24.56	6.74	7.13*	7.63	7.66	19.6	1.0	2.70	3.18	5.0	8:30
5/28/14	17.2	15.7	23.83	24.44	8.41	7.71	7.72	7.71	13.3	0.75	2.83	2.67	3.5	8:10
5/21/14	16.4	15.0	23.70	24.57	9.30	8.12	7.94	8.07	20.7	1.0	2.38	2.23	7.0	8:40
*Problem with meter; bottom D0 check with Winkler titration equalled 6.1 as compared with 7.13 meter reading.														
**pH probe on meter malfunctioned and was unusable for rest of 7/17 survey; 7.5 ppm is the reading from the LaMotte pH kit, which is used as check against the meter.														
CSHH #2 - Bell Marker 6														
8/6/14	22.5	21.2	26.28	26.44	7.85	2.97	8.06	7.38	23.8	1.2	1.02	1.03	9.5	10:00
7/30/14	22.7	21.2	26.21	26.43	7.73	2.00	7.97	7.34	21.6	0.75	2.54	2.09	7.5	8:45
7/23/14	22.3	21.4	25.94	26.10	8.52	5.50	8.02	7.77	27.5	0.75	3.97	4.35	11.0	9:53
7/17/14	20.8	19.6	25.89	26.18	10.58	3.65	no data	no data	22.7	0.5	no data	no data	7.0	10:00
7/9/14	19.6	16.1	25.62	26.44	6.25	2.43	7.75	7.32	27.3	1.5	0.96	0.67	9.25	10:00
7/2/13	21.0	16.9	25.21	25.68	6.03	2.16	7.67	7.23	25.8	1.0	0.97	1.16	8.0	8:28
6/26/14	20.5	16.8	24.70	25.53	8.32	3.55	7.93	7.35	23.4	0.75	1.97	1.16	9.5	8:38
6/18/14	Abandoned because of high wind and waves.													
6/11/14	18.6	16.0	24.47	25.06	9.98	4.66	8.20	7.61	18.3	0.75	1.50	1.65	9.5	10:35
6/4/14	17.5	15.5	24.52	24.85	9.52	7.58*	8.08	7.72	9.4	1.0	1.25	1.10	7.5	9:07
5/28/14	16.7	12.5	24.36	25.24	11.42	7.83	8.16	7.76	13.2	1.0	1.83	1.72	7.5	8:30
5/21/14	16.5	13.8	24.22	24.75	11.67	8.62	8.27	7.98	19.5	1.0	1.36	1.09	10.0	9:30
*Problem with meter; bottom D0 check with Winkler titration equalled 6.2 as compared with 7.58 meter reading.														
CSHH #3 - Glen Cove Creek, Red Marker														
8/6/14	23.2	22.1	25.33	26.32	7.65	6.55	7.92	7.84	24.2	1.0	1.41	1.33	4.5	10:25
7/30/14	22.8	22.8	25.76	26.02	9.80	7.43	8.15	7.91	20.5	0.75	2.41	2.41	3.5	9:06
7/23/14	22.7	21.4	25.77	25.91	8.76	4.06	8.09	7.47	27.2	0.75	6.21	6.78	5.5	10:08
7/17/14	21.1	20.1	25.55	26.08	5.54	5.66	no data	no data	22.9	2.0	no data	no data	3.0	10:30
7/9/14	21.7	18.1	25.06	26.00	6.64	3.03	7.84	7.38	27.7	1.0	1.81	1.16	5.5	10:30
7/2/13	20.8	18.9	24.87	25.37	6.36	3.09	7.71	7.34	27.2	0.75	1.78	1.07	3.5	9:10
6/26/14	20.9	19.4	24.54	25.00	10.33	4.86	8.16	7.52	24.5	0.5	3.99	N/A	4.5	9:05
6/18/14	21.3	20.1	23.46	24.18	8.26	6.67	8.06	7.79	25.0	0.75	2.57	2.63	3.0	9:08
6/11/14	18.2	17.3	24.10	24.79	8.46	6.82	8.01	7.84	19.3	0.75	1.99	1.85	5.5	11:10
6/4/14	17.3	16.1	24.06	24.72	7.11	5.8*	7.81	7.72	21.4	1.0	1.58	1.82	3.5	10:04
5/28/14	16.4	15.5	24.20	24.49	10.36	8.11	8.11	7.93	13.0	1.0	1.59	2.32	4.5	9:00
5/21/14	16.7	14.9	23.45	24.52	10.56	10.58	8.14	8.14	19.9	0.8	2.43	2.69	3.5	10:05
*Problem with meter; bottom D0 check with Winkler titration equalled 6.8 as compared with 5.80 meter reading.														
CSHH #8 - Glen Cove Sewage Treatment Plant Outfall														
8/6/14	22.9	22.5	21.79	26.12	5.68	5.10	7.60	7.64	24.7	0.75	2.08	1.85	3.75	10:40
7/30/14	22.9	23.0	18.72	25.78	6.69	4.51	7.68	7.62	21.5	0.75	2.69	2.37	2.5	9:34
7/23/14	22.9	21.9	20.36	25.73	5.5	3.98	7.53	7.47	29.3	0.5	7.38	N/A	3.5	10:31
7/17/14	21.8	20.7	16.04	25.70	6.09	3.96	no data	no data	24.0	1.25	no data	no data	1.75	11:10
7/9/14	22.8	20.0	19.31	25.50	5.29	3.16	7.52	7.47	28.4	0.75	3.28	4.31	4.5	10:48
7/2/13	21.2	20.5	17.75	24.89	5.08	2.58	7.40	7.31	28.5	0.5	4.04	N/A	3.5	9:32
6/26/14	21.2	20.4	19.99	24.71	6.89	5.46	7.60	7.64	25.0	0.75	2.06	2.45	4.0	9:28
6/18/14	21.0	20.6	23.17	24.08	7.15	5.76	7.87	7.90	27.8	0.5	3.32	N/A	1.5	9:32
6/11/14	18.8	17.9	23.92	24.63	6.21	5.49	7.88	7.81	20.8	0.5	4.96	N/A	4.5	11:34
6/4/14	18.7	17.6	22.58	24.54	7.85	5.59*	7.86	7.70	21.5	0.75	3.53	2.82	2.5	10:45
5/28/14	17.2	16.2	20.62	23.07	7.86	8.56	7.85	7.98	14.3	0.75	3.05	2.84	4.5	9:24
5/21/14	17.0	16.4	19.82	23.86	11.22	10.30	8.14	8.13	22.5	0.70	2.16	2.24	2.5	10:20
*No Winkler titration for this station.														
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														
CSHH #13 - 60' West of the Mill Pond Weir														
8/6/14	22.1	22.0	23.20	25.77	3.92	1.21	7.25	7.19	25.4	0.75	3.27	3.58	2.5	11:00
7/30/14	20.6	22.8	22.56	25.43	4.51	1.98	7.32	7.29	22.0	0.5	4.01	N/A	1.5	9:55
7/23/14	19.1	22.0	4.62	25.39	8.15	1.81	7.38	7.30	29.8	0.75	5.69	11.1	2.5	10:50
7/17/14	20.5	21.0	20.77	25.21	3.09	2.36	no data	no data	25.4	1.0	no data	no data	1.0	11:25
7/9/14	19.2	21.8	3.04	24.82	8.78	1.77	7.59	7.22	28.6	0.75	6.49	7.71	2.5	11:02
7/2/13	18.2	20.6	3.68	24.06	8.37	2.49	7.79	7.42	28.2	0.5	7.13	N/A	1.0	9:50



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Date	Water Temp (°C)		Salinity (ppt)		DO (ppm)		pH (ppm)		Air Temp (°C)	Secchi (m)	Turbidity (NTUs)		Depth(m) (Bottom)	Time (AM)
	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom			at 1/2 m	at Secchi depth		
6/26/14	20.8	20.6	22.64	24.33	5.51	3.07	7.43	7.28	25.5	0.5	4.36	N/A	2.25	9:45
6/18/14	18.8	19.8	5.58	21.96	7.91	4.81	7.22	7.28	28.2	0.5	4.10	N/A	0.75	9:52
6/11/14	18.9	18.3	23.95	24.52	3.78	2.99	7.48	7.42	21.1	0.5	8.59	N/A	3.0	11:55
6/4/14	17.4	17.5	22.22	24.21	3.08	2.28*	7.27	7.31	22.4	0.50	7.25	N/A	1.5	11:02
5/28/14	18.2	17.5	23.34	23.81	7.32	3.27	7.72	7.35	14.2	0.75	3.72	4.94	3.5	9:38
5/21/14	16.8	16.7	15.33	23.26	10.50	10.40	7.96	7.93	22.2	0.50	6.79	N/A	1.0	10:45
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														
*No winkler titration for this station.														
CSHH #14 - 50 yds from Powerhouse Drain														
8/6/14	22.5	22.5	25.67	25.81	5.67	5.69	7.67	7.67	22.5	0.5	2.79	N/A	2.5	8:28
7/23/14	21.5	21.4	25.63	25.67	3.62	3.19	7.37	7.33	26.2	0.5	7.40	N/A	2.0	8:22
7/9/14	19.2	18.9	25.60	25.73	3.32	3.23	7.43	7.41	25.9	1.0	1.49	1.66	2.0	8:27
6/26/14	20.7	20.1	24.53	24.76	8.75	6.32	7.98	7.63	26.1	0.5	4.96	N/A	3.5	10:35
6/11/14	18.5	18.5	24.04	24.03	6.36	6.62	7.73	7.73	17.9	0.5	5.00	N/A	2.5	8:56
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														
CSHH #15 - 50 yds from Scudder's Pond Outfall, North of Tappen Pool														
8/6/14	22.7	22.5	25.68	25.99	6.27	5.88	7.73	7.74	23.6	1.2	1.56	1.32	2.0	9:45
7/23/14	21.6	21.5	25.46	25.53	3.76	3.31	7.36	7.32	27.4	0.5	8.08	N/A	1.5	9:33
7/9/14	21.6	20.8	24.88	25.39	6.18	4.82	7.64	7.51	26.3	1.0	3.05	2.29	2.0	9:45
6/26/14	20.0	19.6	24.68	24.83	6.99	4.92	7.49	7.47	25.5	0.75	1.62	2.57	3.25	10:15
6/11/14	18.6	18.6	24.21	24.29	7.93	7.32	7.94	7.95	19.0	0.5	3.32	N/A	2.5	10:55
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														
CSHH #4 - Bar Beach Spit														
8/6/14	22.6	22.6	25.80	25.80	6.60	6.60	7.81	7.82	22.9	0.5	2.57	N/A	1.5	8:38
7/23/14	21.2	21.2	25.86	25.84	3.33	2.91	7.33	7.31	25.4	0.5	8.53	N/A	1.75	8:35
7/9/14	21.3	21.0	25.05	25.14	5.35	5.40	7.72	7.69	25.7	0.75	3.22	2.63	1.75	8:37
6/26/14	21.2	20.5	24.57	24.68	10.10	7.72	8.13	7.95	25.5	0.5	3.64	N/A	1.75	10:45
6/11/14	18.5	18.5	24.13	24.15	7.27	6.98	7.82	7.81	17.7	0.5	4.08	N/A	1.75	9:05
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														
CSHH #5 - Mott's Cove														
8/6/14	22.1	22.3	24.78	25.56	4.21	4.48	7.35	7.46	23.7	0.75	1.95	2.12	2.0	8:55
7/23/14	21.2	21.1	25.20	25.72	2.31	2.10	7.23	7.21	26.4	0.50	7.63	N/A	1.75	8:50
7/9/14	19.1	17.8	24.53	25.83	2.95	2.66	7.39	7.29	25.5	1.0	1.91	1.91	2.0	8:55
6/26/14	19.8	19.2	24.41	24.84	7.62	4.36	7.54	7.43	25.9	1.0	2.72	2.64	2.0	10:58
6/11/14	18.5	18.6	22.01	23.80	6.65	5.94	7.70	7.75	17.8	0.5	5.17	N/A	2.25	9:26
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														
CSHH #6 - East of Former Incinerator Site														
8/6/14	22.6	22.6	25.64	25.67	5.96	5.72	7.63	7.54	23.7	0.5	3.87	N/A	2.5	9:05
7/23/14	21.8	21.4	25.09	25.54	3.11	1.85	7.31	7.21	26.3	0.5	8.18	N/A	3.0	9:00
7/9/14	21.0	18.7	24.86	25.67	5.99	3.93	7.61	7.34	27.0	0.5	4.66	N/A	2.5	9:12
6/26/14	21.1	19.9	24.48	24.67	6.41	3.87	7.69	7.40	26.2	0.75	3.73	4.08	4.25	11:05
6/11/14	19.1	18.7	23.21	23.83	6.81	6.37	7.73	7.74	17.8	0.5	6.79	N/A	2.5	9:43
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														
CSHH #7 - West of Bryant Landing (formerly site of oil dock)														
8/6/14	22.4	22.4	24.78	25.22	5.39	3.88	7.46	7.38	22.9	0.5	4.73	N/A	2.0	9:16
7/23/14	21.8	21.8	25.16	25.29	2.00	1.39	7.18	7.15	27.7	0.5	8.08	N/A	2.0	9:10
7/9/14	22.2	20.9	23.78	25.04	5.95	3.45	7.67	7.48	28.7	0.5	5.29	N/A	2.0	9:25
6/26/14	21.9	21.2	22.66	24.13	5.57	5.20	7.50	7.48	26.0	0.5	3.04	N/A	1.75	11:18
6/11/14	18.7	19.0	20.13	23.27	6.89	5.91	7.50	7.70	18.0	0.25	8.10	N/A	2.5	10:00
Red numbers indicate that the readings were unusually low or high but reflect station conditions.														