Friends of the Bay 2021 Water Quality Data - Site 1, Cold Spring Cove South

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi	Floor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height Ft.	Data Entered by	Captain	Sampling Leader	Notes
Site 1	4/19/2021	11:06am	12.59	11.72	10.02	22.99	24.50	26.11	8.35	8.25	8.19	11.57	12.04	11.76	125.47	128.37	122.94	1.1m	3.75	18.4		<1	<1							0	3	5	6	1	NE	3.4	1	0.5	kp	pj	pj	Clear surface conditions
Site 1	4/26/2021	10:56 AM	10.84	10.82	10.78	22.98	23.41	24.65	7.95	7.96	7.99	8.91	8.92	8.68	93.2	93.5	91.4	1.7	6.66	15.7		9	4							1	4	5	6	0	NW	3.0	1	1	nh	pj	pj	choppy
Site 1	5/3/2021	10:59 AM	13.27	13.2	11.83	22.78	23.70	25.72	7.76	7.88	7.93	8.65	8.67	8.62	95.5	96.5	94	1.8	4.12	18.2		5	3							0	2	5	6	4	NE	1.7	3	0	nh	pj	pj	clear surface conditions
Site 1	5/10/2021	10:06 AM	12.02	12.19	11.73	22.11	24.31	25.83	8.05	8.05	7.97	9.74	9.92	9.68	105.1	109	105.7	1.25	6.05	15.2		29	55							2	4	5	6	4	W	2.5	3	0.5	nh	pj	pj	Clear surface conditions
Site 1	5/17/2021	10:32 AM	15.04	14.93	13.83	24.04	24.65	26.04	7.96	7.90	7.91	8.72	8.95	9.02	100.1	102.5	101.5	1.7	3.81	24.7		1	<1							0	3	5	6	0	N	2.0	1	0	nh	pj	pj	Clear surface conditions
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Friends of the Bay 2021 Water Quality Data - Site 2, Cold Spring Cove North

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi	Floor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 2	4/19/2021	10:54 AM	10.85	10.45	9.83	24.92	25.40	26.32	8.22	8.17	8.18	11.12	11.31	10.9	118.4	119.4	113.5	1.1	4.45	18.4		2	<1							0	3	5	6	1	NE	2.4	1	0	nh	pj	pj	clear surface conditions
Site 2	4/26/2021	10:39 AM	10.8	10.83	10.79	24.45	24.49	24.61	8.05	8.04	8.04	9.18	9.14	9.08	96.7	96.3	95.7	1.4	4.74	10.4		7	2							1	4	5	6	1	NW	5.6	1	1.5	nh	pj	pj	choppy
Site 2	5/3/2021	10:48 AM	12.06	12.09	11.85	25.21	25.13	25.65	7.96	7.96	7.96	8.87	8.89	8.83	96.8	97.3	96.1	1.5	5.67	16.2		8	2							0	2	5	6	4	NE	1.6	3	0	nh	pj	pj	clear surface conditions
Site 2	5/10/2021	9:49 AM	12.23	12.18	11.59	24.72	25.09	26.07	8.05	8.06	7.92	9.22	9.8	9.44	103.5	107.7	102.3	1	8.38	13.8		11	5							2	4	5	6	4	W	3	3	1	nh	pj	pj	clear surface conditions
Site 2	5/17/2021	10:21 AM	14.85	14.40	13.72	24.87	25.40	26.19	7.94	7.95	7.83	8.52	8.88	8.42	97.9	100.8	94.5	1.7	6.96	26.6		5	2							0	3	5	6	0	N	1.5	1	0	nh	pj	pj	clear surface conditions
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Friends of the Bay 2021 Water Quality Data - Site 3, Cold Spring Harbor South

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi	Floor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 3	4/19/2021	10:43 AM	10.59	10.4	9.52	26	26.2	26.56	8.26	8.28	8.23	10.75	10.98	11.15	114.5	116.4	115.3	1.1	4.67	17.8		<1	<1							0	3	5	6	1	NE	1.1	1	0.5	nh	pj	pj	clear suface conditions
Site 3	4/26/2021	10:18 AM	10.78	10.78	10.49	25.24	25.19	25.52	8.12	8.11	8.14	9.4	9.31	9.32	99.3	98.5	98.3	2	6.5	10.9		<1	<1							1	4	5	6	1	W	8	1	1.5	nh	pj	pj	choppy
Site 3	5/3/2021	10:38 AM	12.21	12.16	11.29	25.27	25.48	25.99	8	8.01	7.95	8.86	9.1	8.93	97.6	99.9	96.3	1.3	4.58	18.5		2	1							0	2	5	6	4	0	0	3	0	nh	pj	pj	clear surface conditions
Site 3	5/10/2021	9:38 AM	12.14	12.15	11.43	25.73	25.74	26.07	8.07	8.07	7.97	9.66	9.86	9.78	106.9	108.9	105.1	1.9	6.33	12.4		<1	<1							2	4	5	6	4	NW	2.5	3	0.5	nh	pj	pj	clear surface conditions
Site 3	5/17/2021	10:06 AM	14.89	14.23	13.48	25.61	26.12	26.44	7.97	7.99	7.92	8.92	9.15	9.12	102.9	103.8	102.0	1.3	4.45	26.1		1	1							0	3	5	6	0	NW	2.1	1	0	nh	pj	pj	clear surface conditions
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Friends of the Bay 2020 Water Quality Data - Site 4, Cold Spring Harbor North

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 4	4/19/2021	10:30 AM	11.21	11.19	9.16	25.83	26.34	26.71	8.30	8.32	8.22	11.28	11.70	11.59	121.6	126.6	119.6	2.0	5.27	15.9		<1	<1							0	3	5	6	1	NE	1.7	1	0	nh	pj	pj	clear surface conditions
Site 4	4/26/2021	10:00 AM	9.73	9.70	9.68	25.83	25.86	25.84	8.15	8.15	8.15	9.52	9.52	9.54	98.8	98.8	98.9	2.2	7.05	12.8		1	<1							1	4	5	6	1	NW	5	1	2	nh	pj	pj	choppy
Site 4	5/3/2021	10:29 AM	12.36	12.37	10.67	25.54	25.60	26.27	8.10	8.10	8.04	9.42	9.62	9.63	104.4	106.4	102.3	2.1	5.39	16.7		<1	<1							0	2	5	6	4	S	1	3	0	nh	pj	pj	clear surface conditions
Site 4	5/10/2021	9:29 AM	11.74	11.75	11.30	26.09	26.12	26.35	7.99	7.99	7.96	9.11	9.14	9.03	99.8	100	98	2.2	6.81	12.3		<1	<1							2	4	5	6	4	N	3.3	3	1	nh	pj	pj	clear surface conditions
Site 4	5/17/2021	9:57 AM	15.10	15.01	13.30	26.05	26.08	26.59	8.05	8.05	7.94	9.30	9.58	9.54	107.9	110.7	105.8	2.0	5.05	26.8		<1	<1							0	3	5	6	0	N	1.5	1	0	nh	pj	pj	clear surface conditions
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Friends of the Bay
2021 Water Quality Data - Site 5, Plum Point

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 5	4/19/2021	10:17 AM	10.38	10.46	10.16	26.42	26.53	26.58	8.22	8.22	8.23	10.34	10.48	10.69	109.9	111.4	113.1	1.9	4.68	14.6		<1	<1							0	3	5	6	1	N	1.2	1	0.5	nh	pj	pj	clear surface conditions, more jellyfish orange centers
Site 5	4/26/2021	**heavy wind and wave action**																																							
Site 5	5/3/2021	10:19 AM	11.7	11.7	11.65	25.95	25.94	25.98	8.02	8.03	8.03	9.1	9.11	9.13	99.1	99.4	99.4	2	4.47	16.5		2	<1							0	2	5	6	4	SE	1	3	0.5	nh	pj	pj	clear surface conditions
Site 5	5/10/2021	9:18 AM	11.58	11.53	11.32	26.13	26.15	26.27	7.98	7.98	7.96	9.05	9.08	8.99	98.7	98.9	97.4	2.4	6.83	12.7		<1	<1							2	4	5	6	4	N	1.2	3	0	nh	pj	pj	clear surface conditions
Site 5	5/17/2021	9:41 AM	14.73	14.71	14.66	26.28	26.39	26.32	7.91	7.91	7.91	8.56	8.59	8.61	98.5	98.7	98.8	1.9	5.25	27.1		3	<1							0	3	5	6	0	NW	1.5	1	0	nh	pj	pj	clear surface conditions
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Friends of the Bay 2021 - Site 6, Seawanhaka Yacht Club PSTP Outfall

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Floor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 6	4/19/2021	10:05 AM	11.62	10.83	10.33	26.24	26.26	26.44	8.19	8.2	8.21	10.53	10.6	10.79	114.6	114.3	114.3	1.9	5.18	15.3		<1	<1							0	3	5	6	1	N	1.7	1	0	nh	pj	pj	clear surface conditions
Site 6	4/26/2021	9:37 AM	9.99	9.99	9.46	25.72	25.74	25.79	8.13	8.13	8.16	9.48	9.46	9.6	98.9	98.6	99.2	2.3	7.61	12.6		<1	<1							1	4	5	6	1	NW	2.5	1	1	nh	pj	pj	choppy
Site 6	5/3/2021	10:04 AM	11.75	11.74	11.62	25.93	25.98	26	8.04	8.04	8.03	9.08	9.17	9.22	99.2	100	100.3	2.2	5.1	16.2		<1	<1							0	2	5	6	4	SE	2	3	0	nh	pj	pj	clear surface conditions
Site 6	5/10/2021	9:08 AM	11.92	11.66	11.36	26.03	26.1	26.22	7.94	7.95	7.95	8.6	8.74	8.8	94.5	95.4	95.6	2.1	6.44	13		<1	9							2	4	5	6	4	N	1	3	0	nh	pj	pj	clear surface conditions
Site 6	5/17/2021	9:30 AM	14.84	14.78	14.39	26.33	26.36	26.41	7.91	7.91	7.90	8.55	8.63	8.66	98.6	99.4	98.8	2.5	4.87	22.6		<1	<1							0	2	5	6	0	W	1.2	1	0	nh	pj	pj	clear surface conditions, 2 osprey with fish
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Friends of the Bay 2021 Water Quality Data - Site 7, Oyster Bay Cove

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 7	4/19/2021	9:53 AM	11.07	10.93	10.5	26.29	26.3	26.3	8.18	8.18	8.17	9.85	10.04	10.21	105.9	107.7	108.4	1.8	2.01	19.9		<1	<1							0	3	5	6	0	NW	1	1	0	nh	pj	pj	clear surface conditions
Site 7	4/26/2021	11:31 AM	10.52	10.51	10.52	25.32	25.3	25.42	8.1	8.09	8.1	9.22	9.18	9.15	97	96.6	96.5	1.4	3.76	11.5		1	1							1	1	5	6	0	NW	4	1	1.5	nh	pj	pj	choppy
Site 7	5/3/2021	9:52 AM	12.51	12.38	11.99	25.73	25.82	25.85	7.93	7.92	7.98	8.59	8.56	8.55	95.2	94.3	93.7	2.1	2.33	15.8		2	<1							0	2	5	6	4	NW	2.3	3	0	nh	pj	pj	clear surface conditions
Site 7	5/10/2021	8:54 AM	12.28	12.28	12.25	25.96	25.98	25.96	7.94	7.94	7.93	9.00	8.95	8.88	99.5	98.9	98.0	2.1	3.09	12.6		2	5							2	4	5	6	4	NW	1.9	3	0.5	nh	pj	pj	clear surface conditions
Site 7	5/17/2021	**too shallow**							**too shallow**							**too shallow**																										
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Friends of the Bay 2020 Water Quality Data - Site 8, Oyster Bay STP at White's Creek

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 8	4/19/2021	9:36 AM	10.49	10.1	10	26.48	25.35	26.49	8.16	8.16	8.18	10.2	10.3	10.3	108.2	108.3	108.2	2.1	2.15	15.8		2	1							0	2	5	6	0	NW	1.7	1	0	nh	pj	pj	clear surface conditions
Site 8	4/26/2021	**high winds, anchor wouldn't set**																																								
Site 8	5/3/2021	9:42 AM	12.01	12	11.9	25.77	25.82	25.9	7.97	7.97	7.97	8.71	8.71	8.7	95.4	95.4	95.1	2.0	2.18	16.1		1	<1							0	2	5	6	4	S	0.9	3	0.5	nh	pj	pj	clear surface conditions
Site 8	5/10/2021	8:41 AM	12.18	12.23	12.18	25.66	25.8	25.93	7.9	7.91	7.92	8.81	8.77	8.77	97	96.9	96.8	2.2	3.14	11.8		16	15							2	4	5	6	4	N	4	3	0.5	nh	pj	pj	clear surface conditions
Site 8	5/17/2021	9:16 AM	15.02	14.92	14.76	26.15	26.14	26.32	7.83	7.83	7.85	8.21	8.25	8.21	94.9	95.0	94.3	hit bottom	1.94	20.9		5	1							0	2	5	6	0	E	0.4	1	0	nh	pj	pj	clear surface conditions, Secchi hit bottom before disappearing
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Friends of the Bay 2021 Water Quality Data - Site 9, Roosevelt Beach

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 9	4/19/2021	9:20 AM	10.09	10.1	10.1	26.42	26.34	26.35	8.17	8.17	8.17	10.10	10.2	10.28	106.6	107.5	108.3		1.9	2.14	19.9		1	<1						0	2	5	6	0	0	0.0	1	0	nh	pj	pj	clear surface conditions
Site 9	4/26/2021	9:15 AM	10.58	10.6	10.49	25.54	25.54	25.52	8.09	8.08	8.08	9.11	9.03	9.01	96.1	95.3	95		2.4	3.56	7.4		<1	<1						1	4	5	6	1	NW	6.3	1	1	nh	pj	pj	choppy
Site 9	5/3/2021	9:31 AM	11.93	11.89	11.87	25.9	25.85	25.85	7.98	7.98	7.98	8.69	8.67	8.65	95.1	94.9	94.6		2.1	2.37	14.9		<1	<1						0	2	5	6	4	E	2.7	3	0.5	nh	pj	pj	clear surface conditions
Site 9	5/10/2021	8:24 AM	12.27	12.28	12.27	25.95	25.92	25.92	7.92	7.92	7.92	8.81	8.76	8.73	97.3	96.8	96.5		2.6	2.79	11.2		<1	1						2	4	5	6	4	NW	3.0	3	1	nh	pj	pj	clear surface conditions
Site 9	5/17/2021	9:03 AM	14.95	14.88	**too shallow**	26.27	26.25	**too shallow**	7.86	7.86	**too shallow**	8.40	8.41	**too shallow**	96.8	96.9	**too shallow**	hit bottom		1.83	21.9		2	<1						0	2	5	6	0	NW	1.0	1	0	nh	pj	pj	clear surface conditions, Secchi hit bottom before disappearing
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Friends of the Bay 2020 Water Quality Data - Site 10, Beekman Beach

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 10	4/19/2021	9:04 AM	10.48	10.34	10.07	26.21	26.36	26.38	8.17	8.18	8.16	10.16	10.24	10.32	107.9	108.4	108.5	1.8	4.36	18.2		<1	<1							0	2	5	6	0	0	0	1	0	nh	pj	pj	clear surface conditions
Site 10	4/26/2021	8:50 AM	10.64	10.63	10.62	25.35	25.42	25.37	8.04	8.05	8.05	8.82	8.79	8.75	93.2	92.7	92.4	1.7	4.97	8.9		3	1							1	4	5	6	0	NW	3	1	1	nh	pj	pj	choppy
Site 10	5/3/2021	9:21 AM	12.26	11.97	11.82	25.64	25.81	25.86	7.96	7.97	7.97	8.59	8.58	8.57	94.2	93.9	93.5	1.7	4.20	16.9		10	4							0	2	5	6	4	E	2	3	0	nh	pj	pj	pollen on surface
Site 10	5/10/2021	8:07 AM	12.21	12.4	12.38	25	25.3	25.78	7.9	7.91	7.89	8.81	8.71	8.69	96.5	96	96.2	0.3	4.74	10.9		34	20							2	4	5	6	4	NW	3.5	3	0.5	nh	pj	pj	clear surface conditions
Site 10	5/17/2021	8:51 AM	15.05	14.91	14.64	25.93	26.25	26.24	7.83	7.84	7.85	8.17	8.19	8.20	94.3	94.2	93.9	2.4	3.80	23.6		21	1							0	2	5	6	0	0	0	1	0	nh	pj	pj	clear surface conditions
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Friends of the Bay 2020 Water Quality Data - Site 11, West Harbor

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 11	4/19/2021	8:33 AM	10.68	10.74	10.26	26.04	26.07	26.18	8.16	8.15	8.16	10.08	10.19	10.37	107.4	108.5	109.4	1.6	3.13	18.2		<1	<1							0	2	5	6	1	0	0	1	0	nh	pj	pj	clear surface conditions
Site 11	4/26/2021	8:26 AM	10.92	10.89	10.86	25.23	25.28	25.31	8.04	8.04	8.03	8.85	8.83	8.83	94	93.7	93.7	2	3.38	6.9		2	<1							1	4	5	6	0	NW	6	1	1	nh	pj	pj	choppy
Site 11	5/3/2021	8:55 AM	12.92	12.84	11.79	25.72	25.75	25.88	7.95	7.95	7.96	8.66	8.69	8.66	96.9	97.1	94.5	1.8	3.30	15.1		<1	<1							0	2	5	6	4	SE	2.4	3	0.5	nh	pj	pj	clear surface conditions
Site 11	5/10/2021	7:37 AM	12.8	12.8	12.8	25.82	25.8	25.74	8.29	8.3	8.3	8.59	8.5	8.47	95.7	95	94.5	1.8	3.00	9.7		<1	<1							2	4	5	6	4	E	1.3	3	0.5	nh	pj	pj	clear surface conditions
Site 11	5/17/2021	8:23 AM	16.16	16.02	15.68	26.10	26.11	26.22	7.86	7.86	7.84	8.44	8.47	8.59	99.6	99.9	100.2	2.2	2.60	16.6		1	<1							0	2	5	6	0	0	0	1	0	nh	pj	pj	jellyfish
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Friends of the Bay 2020 Water Quality Data - Site 12, Turtle Cove

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 12	4/19/2021	8:41 AM	12.3	11.8	11.69	26.14	26.06	26.25	7.98	8.06	7.96	9.11	9.11	9.15	99.7	99.5	99.1	1.6	2.29	16.3		3	1							0	2	5	6	0	0	0	1	0	nh	pj	pj	clear surface conditions
Site 12	4/26/2021	12:30 PM	11.29	11.27	11.27	25.54	25.5	25.56	8.08	8.07	8.07	8.95	8.95	8.94	95.9	95.9	95.8	1.1	3.52	9.8		<1	<1							1	1	5	6	0	NW	5.2	1	1	nh	pj	pj	choppy
Site 12	5/3/2021	9:06 AM	13.31	13.25	13.1	25.73	25.78	25.76	7.9	7.91	7.91	8.47	8.5	8.5	95.5	95.6	95.5	0.9	2.40	16.9		16	<1							0	2	5	6	4	E	1	3	0	nh	pj	pj	clear surface conditions
Site 12	5/10/2021	7:49 AM	13.4	13.43	13.4	25.73	25.75	25.72	7.68	7.67	7.67	7.28	7.08	7	81.8	80	79.1	0.8	2.31	10.3		1	<1							2	4	5	6	4	NE	4.2	3	0.5	nh	pj	pj	clear surface conditions
Site 12	5/17/2021	8:32 AM	17.68	17.45	too shallow	26.15	26.14	too shallow	7.69	7.74	too shallow	7.52	7.39	too shallow	91.3	89.4	too shallow	1.2	1.80	19.7		1	1							0	2	5	6	0	N	0.4	1	0	nh	pj	pj	clear surface conditions
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Friends of the Bay **2020**Water Quality Data - **Site 13, Mill Neck Creek East**

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 13	4/19/2021	8:07 AM	11.48	11.26	11.12	25.34	25.90	26.04	8.09	8.09	8.09	9.75	9.83	9.84	105.2	105.8	105.7	1.6	3.02	13.7		1	2							0	2	5	6	1	NE	0.4	1	0	nh	pj	pj	dead bunker jellyfish
Site 13	4/26/2021	**strong wind and waves**																																							
Site 13	5/3/2021	8:33 AM	13.6	13.41	12.87	24.57	25.05	25.65	7.83	7.84	7.88	8.09	8.01	8.07	90.9	89.9	90.1	1.6	3.25	14.8		2	5							0	2	5	6	4	E	2.1	3	0	nh	pj	pj	clear surface conditions
Site 13	5/10/2021	11:40 AM	13.05	13.11	13.02	25.58	25.61	25.57	7.90	7.90	7.91	8.53	8.54	8.53	95.8	95.7	95.6	2.3	4.21	21.1		1	2							2	1	5	6	3	E	0.5	2	0	nh	pj	pj	clear surface conditions
Site 13	5/17/2021	8:07 AM	16.49	16.43	16.35	25.34	25.50	25.84	7.69	7.70	7.74	7.67	7.49	7.44	90.3	88.4	88.3	1.6	2.39	18.0		4	2							0	2	5	6	0	W	0.5	1	0	nh	pj	pj	clear surface conditions
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Friends of the Bay 2020 Water Quality Data - Site 14, Mill Neck Creek West

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 14	4/19/2021	8:15 AM	11.76	11.82	11.76	24.97	25.54	25.54	8.02	8.06	8.07	9.57	9.43	9.64	103	102.7	104.7	1.9	1.87	17.9		11	2							0	2	5	6	0	0	0	1	0	nh	pj	pj	clear surface conditions
Site 14	4/26/2021	**strong wind and waves**																																								
Site 14	5/3/2021	8:15 AM	13.61	13.58	12.91	24.70	25.11	25.61	7.82	7.83	7.87	8.15	8.02	8.10	91.8	90.4	90.5	1.5	2.6	15		5	6							0	2	5	6	4	E	2	3	0	nh	pj	pj	clear surface conditions
Site 14	5/10/2021	11:32 AM	13.42	13.23	13.04	25.23	25.44	25.48	7.88	7.89	7.9	8.56	8.53	8.52	96.4	95.9	95.6	2.1	3.69	22.3		5	2							2	1	5	6	3	E	3.5	2	0	nh	pj	pj	clear surface conditions
Site 14	5/17/2021	7:57 AM	16.12	16.13	**too shallov**	25.09	25.09	**too shallov**	7.65	7.65	**too shallov**	7.34	7.04	**too shallov**	85.7	82.6	**too shallow**	at bottom	1.44	18.6		16	4							0	2	5	6	0	0	0	1	0	nh	pj	pj	clear surface conditions, Secchi hit bottom before disappearing
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Friends of the Bay 2020 Water Quality Data - Site 15, Mill Neck Creek South

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 15	4/19/2021	**tide falling, too shallow**						tide falling, too shallow									tide falling, too shallow																									
Site 15	4/26/2021	**strong wind and waves**																																								
Site 15	5/3/2021	8:04 AM	14.04	13.41	**too shallow**	24.75	25.42	**too shallow**	7.80	7.84	**too shallow**	7.92	7.90	**too shallow**	89.8	88.9	**too shallow**	1.1	1.4	15.1		13	10							0	2	5	6	4	E	1.6	3	0	nh	pj	pj	clear surface conditions, shallow
Site 15	5/10/2021	11:03 AM	13.48	13.48	13.46	24.37	24.36	24.39	7.89	7.89	7.89	8.64	8.62	8.63	97.0	96.9	96.9	1.6	2.16	17.6		22	2							2	4	5	6	4	E	1.0	3	0	nh	pj	pj	clear surface conditions
Site 15	5/17/2021	**too shallow, low tide**				**too shallow, low tide**						**too shallow, low tide**																														
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Friends of the Bay 2021 Water Quality Data - Site 16, Mill Neck Creek North

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 16	4/19/2021	**tide falling, too shallow**								tide falling, too shallow							tide falling, too shallow																									
Site 16	4/26/2021	**strong wind and waves**																																								
Site 16	5/3/2021	7:55 AM	13.32	13.20	**too shallow**	25.42	25.52	**too shallow**	7.84	7.85	**too shallow**	8.25	8.21	**too shallow**	92.6	92	**too shallow**	1.7	1.7	15.1		1	<1							0	2	5	6	4	E	2	3	0	nh	pj	pj	clear surface conditions, shallow
Site 16	5/10/2021	11:13 AM	13.37	13.29	13.13	25.07	25.09	25.48	7.90	7.90	7.90	8.70	8.65	8.61	97.8	97.3	96.6	2.0	2.35	20.4		10	11							2	4	5	6	4	N	2.5	3	0	nh	pj	pj	clear surface conditions
Site 16	5/17/2021	**too shallow, low tide**						**too shallow, low tide**					**too shallow, low tide**																													
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Friends of the Bay 2020 Water Quality Data - Site 17, The Birches STP

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 17	4/19/2021	**tide too low, too shallow**					tide too low, too shallow						**tide too low, too shallow**																													
Site 17	4/26/2021	**strong wind and waves**																																								
Site 17	5/3/2021	**too shallow**					too shallow						too shallow																													
Site 17	5/10/2021	11:23 AM	13.47	13.45	13.29	24.39	24.57	25.18	7.87	7.88	7.89	8.72	8.70	8.66	97.9	97.7	97.4	1.8	1.98	28.3		13	1							2	4	5	6	4	E	3	3	0	nh	pj	pj	clear surface conditions
Site 17	5/17/2021	**too shallow, low tide**							**too shallow, low tide**								**too shallow, low tide**																									
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Friends of the Bay 2020 Water Quality Data - Site 18, Mill Neck Cove

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 18	4/19/2021	7:53 AM	10.97	11	10.96	26.00	26.12	26	8.12	8.13	8.13	9.83	9.98	10.06	105.8	107	107.7		0.9	2.03	12.3		<1	<1						0	2	5	6	1	NE	1.3	1	0	nh	pj	pj	clear surface conditions, common tern sighting
Site 18	4/26/2021	**strong wind and waves**																																							
Site 18	5/3/2021	7:42 AM	12.76	12.76	12.76	25.68	25.64	25.65	7.86	7.88	7.89	8.24	8.22	8.21	91.6	91.4	91.4		1.7	2.72	15.1		<1	1						0	1	5	6	4	W	0.9	3	0	nh	pj	pj	clear surface conditions
Site 18	5/10/2021	11:50 AM	13.58	13.37	13.05	25.48	25.44	25.57	7.9	7.91	7.92	8.58	8.56	8.62	96.9	96.6	96.6		2.4	3.16	25.1		1	1						2	1	5	6	3	W	2.1	2	0	nh	pj	pj	clear surface conditions
Site 18	5/17/2021	7:43 AM	15.71	15.73	**too shallow**	26.00	26.10	**too shallow**	7.76	7.77	**too shallow**	8.07	7.94	**too shallow**	94.3	92.9	**too shallow**	at bottom		1.54	17.5		3	2						0	2	5	6	0	NW	1.4	1	0	nh	pj	pj	clear surface conditions, Secchi hit bottom before disappearing
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Friends of the Bay 2020 Water Quality Data - Site 19, Flowers Oyster Hatchery

Site	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0	Salinity BTM	PH Top	PH 1.0	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	% Sat Top	% Sat 1.0	%Sat BTM	Secchi m	Seafloor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 19	4/19/2021	7:45 AM	10.90	10.91	10.91	26.04	26.12	26.07	8.11	8.12	8.11	10.17	10.17	10.17	108.7	108.8	108.8	1.6	4.96	11.6		<1	<1							0	2	5	6	1	NE	2.2	1	0	nh	pj	pj	surface water-possible discharge, jellyfish
Site 19	4/26/2021	**strong wind and waves**																																								
Site 19	5/3/2021	7:30 AM	12.82	12.79	12.72	25.62	25.66	25.74	8.09	8.09	8.08	8.24	8.24	8.26	91.8	91.7	91.8	1.5	4.99	14.8		<1	<1							0	1	5	6	4	SE	1	3	0	nh	pj	pj	clear surface conditions
Site 19	5/10/2021	12:00 PM	13.18	13.35	12.84	25.53	25.52	25.86	7.90	7.91	7.92	8.57	8.60	8.67	96.6	96.9	96.9	2.2	5.23	22.3		<1	2							2	1	5	6	3	W	2.5	2	0	nh	pj	pj	clear surface conditions
Site 19	5/17/2021	7:30 AM	15.80	15.77	15.69	25.90	25.98	25.96	7.82	7.81	7.77	7.98	7.97	7.92	93.4	93.2	92.6	1.6	4.27	15.2		2	1							0	2	5	6	0	W	1.2	1	0	nh	pj	pj	clear surface conditions
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