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 Colifor m Bacteri a	Enteroc occi	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen (N)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hour	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	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	122.9	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	1	1	nh	pj	pj	choppy
Site 1	5/3/2021	10:59 AM	13.27	13.20	11.83	22.78	23.70	25.72	7.76	7.88	7.93	8.65	8.67	8.62	95.5	96.5	94.0	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	1	0	nh	pj	pj	Clear surface conditions
Site 1	5/24/2021	10:01 AM	19.09	19.09	17.99	24.31	24.38	25.75	7.92	7.94	7.86	7.97	8.20	7.97	99.3	101.9	97.3	1.1	6.61	17.5		37	10						0	1	5	6	4	SW	3.5	3	0	nh	pj	pj	Clear surface conditions
Site 1	6/1/2021	10:50 AM	15.43	15.39	14.89	20.46	23.59	25.25	7.65	7.53	7.61	7.97	7.87	7.32	89.7	90.1	83.0	1.4	3.64	27.2		2	1						0	2	5	6	4	NE	1.1	3	0	nh	pj	pj	Clear surface conditions
Site 1	6/7/2021	11:13 AM	19.70	17.74	16.67	24.34	25.60	26.05	8.02	7.98	7.81	9.36	9.67	8.72	118.2	118.3	104.4	1.05	5.83	33.0		11	1						0	1	5	6	0	0	0	1	0	nh	pj	pj	Clear surface conditions
Site 1	6/15/2021	10:37 AM	18.07	17.26	16.74	25.09	25.69	26.48	8.06	7.75	7.67	8.10	8.74	7.11	100.3	105.3	84.6	0.8	4.15	25.8		63	7						1	3	5	6	3	N	0.4	3	0	nh	pj	pj	Clear surface conditions
Site 1	6/21/2021	11:28 AM	21.02	21.01	20.12	25.34	25.55	26.15	8.02	8.01	7.93	7.46	7.73	7.09	98.0	101.0	91.6	0.7	5.84	24.4		320	43						0	2	5	6	4	S	3.3	3	0.5	nh	pj	pj	Clear surface conditions
Site 1	6/28/2021	10:57 AM	19.42	19.03	18.60	25.99	26.05	26.50	7.55	7.51	7.43	5.97	5.73	5.23	75.0	72.1	64.8	0.8	3.85	30.0		150	11						0	4	5	4	1	SW	1.5	1	0	nh	pj	pj	Clear surface conditions, dead fish near site
Site 1	7/6/2021	11:33 AM	21.39	20.48	19.23	25.35	26.45	26.99	**no pH data, sensor unopera**			5.40	5.67	4.66	72.0	72.5	57.5	1.6	5.30	31.0		39	3						0	2	5	6	1	SW	4.1	1	0	nh	pj	pj	clear surface conditions
Site 1	7/12/2021	9:40 AM	22.18	22.11	21.72	24.51	24.78	25.71	7.35	7.32	7.26	4.91	4.79	3.09	64.6	62.9	40.1	0.9	4.04	25.0		60	16						1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 1	7/19/2021	11:19 AM	24.05	23.98	23.53	24.10	24.84	25.55	7.93	7.63	7.34	5.38	6.66	5.32	75.0	91.5	70.3	1.0	4.55	24.0		220	35						0	2	5	6	4	NW	1.4	3	0	nh	pj	pj	clear surface conditions
Site 1	7/26/2021	9:27 AM	23.16	23.18	22.93	24.96	24.90	25.85	7.28	7.31	7.32	3.57	3.22	2.82	46.1	43.4	37.6	1.9	4.07	26.0		250	52						2	4	5	6	1	W	1.0	1	0	nh	pj	pj	clear surface conditions
Site 1	8/2/2021	11:30 AM	23.68	23.65	23.47	24.38	24.30	25.55	**no pH data, sensor unopera**			5.58	5.83	4.78	76.3	79.9	64.8	1.1	4.58	22.8		13	1						0	2	5	6	2	NW	2.7	1	0.5	nh	pj	pj	clear surface conditions,do in hypoxic range at btm depth
Site 1	8/9/2021	9:47 AM	22.24	22.28	22.28	25.18	25.41	26.03	7.30	7.30	7.25	3.82	3.34	2.62	50.1	43.7	33.9	1.6	4.86	22.0		90	70						1	4	5	6	4	NE	2.8	4	0	nh	pj	pj	clear surface conditions,do in hypoxic range at all depths
Site 1	8/24/2021	9:32 AM	24.10	24.17	24.12	24.42	24.60	25.40	7.39	7.41	7.42	4.31	3.88	3.53	57.0	53.0	48.3	1.1	4.23	25.6		45	6						1	4	4	6	1	w	8	1	0	es	pj	pj	clear surface conditions,do in hypoxic range at all depths
Site 1	8/31/2021	10:29 AM	24.71	24.61	23.67	25.00	25.29	26.53		ph sensor broke		5.20	5.70	5.13	73.3	81.7	67.6	0.8	4.60	26.1		16	<1						1	2	5	6	3	nw	6.0	1	0	es	pj	pj	clear surface conditions
Site 1	9/7/2021	9:52 AM	23.29	23.27	23.42	24.72	24.73	25.21		ph sensor broke		5.45	5.35	4.86	73.3	72.2	65.7	0.9	5.26	21.1		28	11						0	4	4	6	0	wnw	8	1	0	es	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	Entero cocci	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	10.90	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	10.80	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	9.80	9.44	103.5	107.7	102.3	1.0	8.38	13.8		11	5						2	4	5	6	4	W	3.0	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
Site 2	5/24/2021	9:49 AM	18.65	18.70	18.43	23.38	25.18	25.66	8.00	7.96	7.88	8.67	8.78	8.80	106.1	108.7	107.8	1.0	3.66	18.6		66	12						0	4	5	6	4	W	3.0	3	0	nh	pj	pj	clear surface conditions
Site 2	6/1/2021	10:36 AM	15.28	14.99	14.48	24.08	24.73	25.82	7.70	7.71	7.70	7.05	7.25	6.92	80.9	83.0	78.7	1.3	6.63	22.3		15	5						0	2	5	6	4	NW	1.4	3	0	nh	pj	pj	clear surface conditions
Site 2	6/7/2021	10:59 AM	19.02	17.54	16.33	25.06	25.76	26.22	8.10	7.99	7.73	8.95	9.61	8.15	112.3	117.2	95.7	1.1	8.51	27.1		26	5						0	1	5	6	1	N	1.0	1	0	nh	pj	pj	clear surface conditions
Site 2	6/15/2021	10:21 AM	17.21	16.86	16.65	25.85	26.19	26.57	7.89	7.83	7.70	7.31	7.53	6.96	88.9	90.8	83.7	0.9	5.38	25.5		58	12						1	3	5	6	3	N	1.6	3	0	nh	pj	pj	clear surface conditions
Site 2	6/21/2021	11:10 AM	21.92	20.61	19.89	24.88	25.86	26.36	8.20	8.03	7.94	8.71	9.22	7.75	117.2	119.7	99.0	0.7	7.38	25.9		80	15						0	2	5	6	4	S	3.2	3	0.5	nh	pj	pj	clear surface conditions
Site 2	6/28/2021	10:43 AM	19.84	19.87	18.53	25.45	25.62	26.54	7.60	7.61	7.45	6.54	6.47	5.19	82.9	81.8	64.1	0.8	5.48	30.0		140	5						0	4	5	6	1	SW	2.3	1	0	nh	pj	pj	clear surface conditions
Site 2	7/6/2021	11:21 AM	20.20	19.35	18.98	26.39	26.85	27.10	**no pH data, sensor unoperative**			5.60	5.23	4.13	71.6	65.2	52.4	1.2	5.40	31.0		23	2						0	2	5	6	1	SW	2.5	1	0	nh	pj	pj	clear surface conditions
Site 2	7/12/2021	9:24 AM	22.06	21.71	21.50	24.65	24.82	25.98	7.42	7.29	7.29	4.72	4.69	3.62	62.4	61.1	47.5	0.8	5.27	25.0		280	48						1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 2	7/19/2021	11:07 AM	23.86	23.71	23.53	24.86	25.13	25.60	7.78	7.62	7.39	5.64	6.07	4.73	77.7	83.0	60.9	0.6	4.49	24.0		90	23						0	2	5	6	4	NW	2.2	3	0	nh	pj	pj	clear surface conditions
Site 2	7/26/2021	9:14 AM	23.13	23.01	22.76	24.81	25.22	25.95	7.42	7.40	7.37	3.71	3.61	3.33	50.2	48.5	44.3	1.4	5.01	25.0		160	80						2	4	5	4	1	0	0.0	1	0	nh	pj	pj	1 dead fish
Site 2	8/2/2021	11:16 AM	23.45	23.41	23.32	24.79	24.80	25.62	**no pH data, sensor unoperative**			4.58	4.82	4.28	62.4	65.9	57.6	1.3	6.28	22.8		6	<1						0	2	5	6	2	NW	3.8	1	0.5	nh	pj	pj	clear surface conditions, do in hypoxic range at all depths
Site 2	8/9/2021	9:33 AM	22.18	22.24	22.28	24.43	25.27	26.01	7.42	7.39	7.27	3.15	3.54	2.03	41.2	47.0	26.7	1.3	6.23	22.0		120	80						1	4	5	6	4	NE	2.7	3	0	nh	pj	pj	clear surface conditions, do in hypoxic range at all depths
Site 2	8/24/2021	9:18 AM	23.93	24.05	24.06	24.11	24.90	25.39	7.41	7.44	7.45	4.43	4.03	3.74	60.2	55.1	51.3	1.1	4.73	23.8		51	66						1	4	4	6	0	w	8.0	1	0	es	pj	pj	clear surface conditions, do in hypoxic range at all depths
Site 2	8/31/2021	10:19 AM	24.19	23.92	23.43	24.99	26.02	26.77		ph sensor broken		3.63	3.71	2.52	48.8	52.5	33.6	0.9	6.55	25.0		24	2						1	2	5	6	2	NW	6.0	1	0	es	pj	pj	clear surface conditions, do in hypoxic range at all depths
Site 2	9/7/2021	9:37 AM	23.23	23.20	23.44	24.99	24.99	25.24		pH sensor broken		4.83	4.74	4.44	65.1	64.1	60.2	1.0	7.54	20.0		14	4						0	4	4	3	0	wnw	7.0	1	0	es	pj	pj	foam, do in hypoxic range at all depths
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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 a	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitro	Organic Nitrogen	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 3	4/19/2021	10:43 AM	10.59	10.40	9.52	26	26.20	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	8.0	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	0.0	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
Site 3	5/24/2021	9:36 AM	18.73	18.73	16.44	25.52	25.55	26.06	7.99	8.00	7.79	8.08	8.65	7.92	100.6	107.5	93.0	1.6	6.86	17.1		11	1							0	4	5	6	4	S	4.5	3	0.5	nh	pj	pj	clear surface conditions
Site 3	6/1/2021	10:27 AM	15.05	14.83	14.32	25.43	25.70	26.31	7.76	7.84	7.73	7.55	7.51	7.46	86.5	86.1	84.5	1.2	4.60	23.0		12	4							0	2	5	6	4	NW	0.8	3	0	nh	pj	pj	clear surface conditions
Site 3	6/7/2021	10:48 AM	19.81	19.38	16.17	25.76	26.06	26.30	8.14	8.17	7.75	9.92	10.41	9.29	127.0	131.1	109.0	1.6	6.45	33.2		7	2							0	1	5	6	1	N	2.0	1	0	nh	pj	pj	clear surface conditions, % SAT outside of range at top and 1m depths
Site 3	6/15/2021	10:12 AM	17.68	17.30	16.53	26.13	26.28	26.80	8.04	8.00	7.79	7.97	8.39	8.29	97.5	102.4	98.5	0.9	4.67	25.5		44	4							1	3	5	6	4	N	1.7	3	0	nh	pj	pj	clear surface conditions
Site 3	6/21/2021	11:00 AM	20.93	20.89	19.78	26.05	26.11	26.42	8.16	8.16	7.98	7.86	8.42	8.10	104.7	111.3	103.0	0.9	6.27	26.6		17	4							0	2	5	6	4	S	3.5	3	1	nh	pj	pj	clear surface conditions
Site 3	6/28/2021	10:27 AM	20.62	19.36	18.49	26.32	26.43	26.73	7.76	7.69	7.63	7.06	7.01	6.57	92.0	88.0	80.0	1.2	4.27	29.0		14	1							0	4	5	6	1	SW	2.9	1	0	nh	pj	pj	clear surface conditions
Site 3	7/6/2021	11:09 AM	20.58	20.39	18.55	26.64	26.72	27.20	**no pH data, sensor unope**			5.76	6.20	5.33	76.1	80.7	66.4	1.7	6.26	30.0		5	<1							0	2	5	6	1	SW	1.2	1	0	nh	pj	pj	clear surface conditions
Site 3	7/12/2021	9:13 AM	22.09	21.95	21.35	25.07	25.50	26.05	7.47	7.44	7.39	4.44	4.54	4.33	57.5	60.0	56.4	1.2	4.64	25.0		70	14							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 3	7/19/2021	10:52 AM	24.02	24.00	23.68	25.50	25.54	25.92	7.87	7.90	7.48	5.06	6.11	5.47	71.5	84.9	73.2	1.1	5.53	24.0		24	5							0	2	5	6	4	NW	2.0	3	0	nh	pj	pj	clear surface conditions
Site 3	7/26/2021	9:05 AM	22.96	22.88	22.36	25.51	25.52	26.15	7.51	7.52	7.49	4.61	4.49	4.27	62.4	60.5	56.8	1.6	4.44	25.0		62	46							2	4	5	6	2	0	0.0	2	0	nh	pj	pj	clear surface conditions
Site 3	8/2/2021	11:01 AM	23.55	25.53	23.12	25.77	25.62	25.62	**no pH data, sensor unope**			6.71	6.80	6.03	92.7	93.2	81.3	1.5	4.58	22.8		2	<1							0	2	5	6	0	NW	2.3	1	0.5	nh	pj	pj	clear surface conditions
Site 3	8/9/2021	9:17 AM	22.42	22.41	22.33	25.49	25.66	26.40	7.69	7.63	7.37	4.84	5.17	3.83	64.9	68.8	50.7	1.3	5.26	22.0		38	20							1	4	5	6	4	NE	2.2	3	0	nh	pj	pj	clear surface conditions,do in hypoxic range at btm depth
Site 3	8/24/2021	9:07 AM	24.07	24.06	23.83	24.98	25.59	26.03	7.64	7.59	7.49	5.31	5.27	4.64	73.1	72.6	63.2	1.3	4.73	22.8		27	9							1	4	4	6	0	w	8.0	1	0	es	pj	pj	clear surface conditions
Site 3	8/31/2021	10:06 AM	24.30	24.22	23.38	25.85	26.00	26.81		ph sensor broken		5.85	6.63	5.04	82.5	92.7	67.7	0.7	5.58	23.8		11	2							1	2	5	6	3	nw	6.0	3	0	es	pj	pj	clear surface conditions
Site 3	9/7/2021	9:20 AM	23.27	23.30	23.30	25.22	25.25	25.66		ph sensor broken		5.84	5.81	5.30	78.7	78.9	71.8	1.0	5.84	20.0		7	<1							0	4	4	6	0	wnw	7.0	1	0	es	pj	pj	clear surface conditions
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Friends of the Bay 2021 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	0.0	nh	pj	pj	clear surface conditions
Site 4	4/26/2021	10:00 AM	9.73	9.7	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	2.0	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	0.0	nh	pj	pj	clear surface conditions
Site 4	5/10/2021	9:29 AM	11.74	11.75	11.3	26.09	26.12	26.35	7.99	7.99	7.96	9.11	9.14	9.03	99.8	100.0	98	2.2	6.81	12.3		<1	<1							2	4	5	6	4	N	3.3	3	1.0	nh	pj	pj	clear surface conditions
Site 4	5/17/2021	9:57 AM	15.10	15.01	13.3	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	0.0	nh	pj	pj	clear surface conditions
Site 4	5/24/2021	9:18 AM	16.61	16.59	14.41	26.27	26.34	26.54	8.05	8.05	7.95	9.11	9.21	8.90	109.0	109.9	101.6	1.9	7.39	16.9		1	<1							0	4	5	6	4	SE	4.8	3	1.0	nh	pj	pj	clear surface conditions
Site 4	6/1/2021	10:17 AM	15.35	15.01	13.63	25.16	25.49	26.51	7.95	7.99	7.81	8.56	9.09	9.15	99.8	104.8	102	1.6	5.17	23.0		5	1							0	2	5	6	4	NW	2	3	0.0	nh	pj	pj	clear surface conditions
Site 4	6/7/2021	10:38 AM	19.39	19.16	15.93	25.98	26.10	26.51	8.15	8.14	7.85	9.86	10.35	9.60	124.8	131.0	113.4	1.7	7.13	30.5		2	<1							0	1	5	6	1	NE	0.6	1	0.0	nh	pj	pj	clear surface conditions, % SAT outside of range at top and 1m levels
Site 4	6/15/2021	9:57 AM	18.73	18.11	15.97	26.42	26.45	26.95	8.25	8.25	7.63	8.62	9.75	8.02	110.2	121.1	94.8	1.1	5.26	23.6		1	<1							1	3	5	6	4	SE	2.5	3	0.0	nh	pj	pj	clear surface conditions, % SAT fluctuated at 1 m
Site 4	6/21/2021	10:48 AM	21.66	21.65	16.90	26.23	26.29	26.88	8.24	8.24	7.90	8.53	8.81	8.18	114.2	117.9	99.7	1.3	6.96	23.7		5	<1							0	2	5	6	4	S	4.7	3	0.5	nh	pj	pj	clear surface conditions
Site 4	6/28/2021	10:07 AM	20.26	20.23	18.63	26.56	26.60	26.80	7.83	7.83	7.65	7.64	7.67	6.57	98.0	98.5	81.2	1.4	4.82	28.3		5	1							0	4	5	6	1	SW	2.1	1	0.0	nh	pj	pj	clear surface conditions
Site 4	7/6/2021	10:57 AM	21.06	20.96	18.58	26.69	26.74	27.21	**no pH data, sensor unopera**			6.54	7.10	7.06	87.3	93.6	87.3	1.6	6.85	29.0		<1	<1							0	2	5	6	1	SW	2.0	1	0	nh	pj	pj	clear surface conditions
Site 4	7/12/2021	9:03 AM	22.68	22.54	20.88	25.44	25.46	26.25	7.85	7.82	7.56	7.05	7.68	7.10	96.6	103.3	92.2	1.1	5.21	25.0		2	<1							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 4	7/19/2021	10:38 AM	24.75	24.74	23.95	26.04	25.99	26.16	8.13	8.12	7.75	7.08	8.39	8.04	102.8	108.8	108.2	0.7	6.20	23.0		2	<1							0	2	5	6	4	NW	1.7	3	0	nh	pj	pj	clear surface conditions
Site 4	7/26/2021	8:50 AM	23.51	23.48	21.79	25.68	25.79	26.44	7.76	7.77	7.51	5.76	5.99	5.41	79.1	82.4	71.7	1.7	4.99	24.0		2	<1							2	4	5	6	2	0	0	2	0	nh	pj	pj	clear surface conditions
Site 4	8/2/2021	10:51 AM	23.43	23.37	22.14	25.83	25.81	26.36	**no pH data, sensor unopera**			6.81	7.05	5.53	94.6	96.6	74.2	1.5	6.13	22.2		<1	<1							0	2	5	6	1	NW	3.8	1	0.5	nh	pj	pj	clear surface conditions
Site 4	8/9/2021	9:06 AM	22.55	22.54	22.32	26.49	26.55	26.70	7.67	7.67	7.62	5.48	5.35	4.95	73.2	71.8	66.1	1.8	5.63	22.0		5	<1							1	4	5	6	4	NE	3.4	3	0	nh	pj	pj	clear surface conditions
Site 4	8/24/2021	8:57 AM	24.01	23.99	23.63	25.80	25.84	26.20	7.76	7.76	7.60	5.77	6.09	5.64	80.2	84.4	77.2	1.4	5.25	23.8		7	<1							1	4	4	6	1	W	7	1	0.0	es	pj	pj	clear surface conditions
Site 4	8/31/2021	9:56 AM	24.90	24.83	22.91	26.17	26.28	27.10	ph sensor broken			6.25	7.91	7.00	91.2	114.2	91.3	1.0	6.30	23.8		<1	<1							1	2	5	6	3	nw	5	3	0.0	es	pj	pj	clear surface conditions
Site 4	9/7/2021	9:10 AM	23.15	23.13	23.05	25.56	25.58	25.65	ph sensor broken			6.57	6.50	6.27	89.0	88.0	84.8	2.1	6.30	18.8		2	<1							0	4	4	6	0	wnw	8	1	0.0	es	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 DIRECTON	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	11.70	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
Site 5	5/24/2021	9:08 AM	16.57	16.63	16.36	26.28	26.27	26.31	8.03	8.02	8.01	8.93	9.05	9.17	106.7	108.2	108.9	1.6	2.95	17.8		1	2							0	4	5	6	4	SE	3.2	3	0.5	nh	pj	pj	clear surface conditions
Site 5	6/1/2021	10:07 AM	14.58	14.59	14.3	25.95	26.01	26.19	7.83	7.83	7.82	8.16	8.14	8.04	93.2	93.0	91.4	1.6	4.85	18.3		<1	1							0	2	5	6	4	N	2.1	3	0	nh	pj	pj	clear surface conditions
Site 5	6/7/2021	10:27 AM	18.97	18.31	17.58	26.16	26.21	26.17	8.09	8.04	7.92	9.38	9.78	8.99	118.5	121.1	109.8	1.7	2.87	27.2		1	<1							0	4	5	6	1	NE	1.3	1	0	nh	pj	pj	clear surface conditions, % SAT at top of range at top and 1m levels
Site 5	6/15/2021	9:48 AM	18.19	18.22	17.97	26.59	26.61	26.67	8.06	8.06	8.04	8.27	8.59	8.68	103.3	106.5	106.7	1.0	7.57	24.1		1	1							1	3	5	6	4	N	2.8	3	0	nh	pj	pj	clear surface conditions
Site 5	6/21/2021	10:34 AM	20.02	20.39	18.94	26.33	26.44	26.58	8.15	8.12	8.07	8.42	8.56	8.05	111.4	111.1	102.1	1.1	3.93	25.7		5	4							0	2	5	6	4	S	3.4	3	0.5	nh	pj	pj	clear surface conditions
Site 5	6/28/2021	9:49 AM	20.36	19.88	19.79	26.66	26.82	26.70	7.70	7.69	7.69	6.73	6.64	6.43	86.5	83.9	81.7	1.0	2.58	28.0		3	<1							0	4	5	6	0	SW	1.0	1	0	nh	pj	pj	clear surface conditions
Site 5	7/6/2021	10:46 AM	19.78	19.27	18.86	27.03	27.09	27.14	**no pH data, sensor unoperative**			5.53	5.70	5.26	71.3	72.6	66.5	1.2	12.42	28.0		7	1							0	2	5	6	1	SW	1.7	1	0	nh	pj	pj	clear surface conditions
Site 5	7/12/2021	8:53 AM	22.47	22.17	21.94	25.57	25.69	25.82	7.63	7.59	7.57	6.05	6.11	5.92	81.0	81.1	78.1	1.0	4.70	25.0		4	<1							1	4	5	6	4	SW	1.0	2	0	nh	pj	pj	clear surface conditions
Site 5	7/19/2021	10:29 AM	24.21	24.18	24.01	26.15	26.11	26.18	7.80	7.80	7.76	5.98	5.94	5.79	82.5	82.3	80.0	1.2	1.95	23.0		2	<1							0	2	5	6	4	NW	2.1	3	0	nh	pj	pj	clear surface conditions
Site 5	7/26/2021	9:41 AM	23.65	23.45	**too shallo**	25.88	26.02	**too shallo**	7.77	7.75	**too shallo**	6.37	6.36	**too shallo**	87.6	86.9	**too shallow**		1.65	24.0		5	6							2	4	5	6	2	W	0.5	2	0	nh	pj	pj	clear surface conditions, Secchi hit BTM before disappearing
Site 5	8/2/2021	10:41 AM	22.52	22.44	22.42	26.19	26.24	26.24	**no pH data, sensor unoperative**			5.46	5.26	5.07	73.8	70.2	68.2	1.5	2.13	22.2		1	<1							0	2	5	6	1	NW	2.1	1	0.5	nh	pj	pj	clear surface conditions
Site 5	8/9/2021	8:53 AM	22.72	22.72	22.75	26.40	26.46	26.48	7.66	7.66	7.67	5.84	5.64	5.44	77.5	75.7	73.1	1.4	5.96	22.0		9	9							1	4	5	6	4	N	3.0	3	0.5	nh	pj	pj	clear surface conditions
Site 5	8/24/2021	8:48 AM	23.87	23.87	23.77	25.96	26.07	26.17	7.59	7.59	7.58	4.97	4.89	4.69	67.9	67.4	64.6	1.3	8.63	23.8		29	9							1	4	4	6	1	w	7	1	0	es	pj	pj	clear surface, DO top of hypoxic range, all depths
Site 5	8/31/2021	9:47AM	24.48	24.50	23.97	26.40	26.43	26.63	pH sensor broken			7.24	7.38	6.62	101.4	103.4	90.0	1.2	5.52	23.8		<1	<1							1	2	5	6	3	nw	5.0	3	0	es	pj	pj	clear surface conditions
Site 5	9/7/2021	8:59 AM	22.74	22.74	22.99	25.29	25.31	25.47	pH sensor broken			6.03	5.81	5.63	80.1	78.0	76.0	1.8	8.11	18.8		1	1							0	4	4	6	0	w	7	1	0	es	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 DIRECTION	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	8.20	8.21	10.53	10.60	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	9.60	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	100.0	100.3	2.2	5.1	16.2		<1	<1							0	2	5	6	4	SE	2.0	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	8.60	8.74	8.80	94.5	95.4	95.6	2.1	6.44	13.0		<1	9							2	4	5	6	4	N	1.0	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
Site 6	5/24/2021	8:59 AM	17.27	17.27	17.24	26.25	26.25	26.23	8.01	8.00	8.00	8.81	8.85	8.91	106.7	107.0	107.6	1.5	6.88	17.4		<1	7							0	4	5	6	4	SE	3.9	3	0.5	nh	pj	pj	clear surface conditions
Site 6	6/1/2021	9:58 AM	14.9	14.88	14.6	25.87	25.92	26.01	7.84	7.84	7.83	8.27	8.29	8.28	95.1	95.1	94.5	1.8	5.17	24.2		<1	<1							0	2	5	6	3	SW	1.1	2	0	nh	pj	pj	clear surface conditions
Site 6	6/7/2021	10:18 AM	19.11	18.58	17.48	26.21	26.31	26.31	8.04	8.05	7.88	9.14	9.53	9.19	115.9	119.1	111.9	1.9	6.35	32.2		<1	<1							0	4	5	6	1	SW	0.9	1	0	nh	pj	pj	clear surface conditions, % SAT at top of range at top and 1m levels
Site 6	6/15/2021	9:39 AM	18.63	18.18	17.84	26.62	26.58	26.71	8.05	8.06	8.01	8.35	8.69	8.79	105.0	107.9	108.3	1.1	5.06	24.6		1	<1							1	3	5	6	3	W	0.5	3	0	nh	pj	pj	clear surface conditions
Site 6	6/21/2021	10:25 AM	21.43	21.43	20.83	26.30	26.30	26.46	8.18	8.19	8.07	8.20	8.69	8.70	110.9	115.9	112.3	1.3	6.90	23.8		5	<1							0	2	5	6	4	S	4.2	3	0.5	nh	pj	pj	clear surface conditions
Site 6	6/28/2021	9:35 AM	20.78	20.70	20.56	26.62	26.58	26.59	7.72	7.72	7.72	6.62	6.61	6.61	85.7	85.5	85.3	1.1	4.35	27.7		2	<1							0	3	5	6	0	SW	1.3	1	0	nh	pj	pj	clear surface conditions
Site 6	7/6/2021	10:33 AM	20.69	20.54	19.16	26.76	26.77	27.07	**no pH data, sensor unoperative**			6.70	6.85	6.09	87.8	89.3	76.9	1.4	7.12	28.0		1	<1							0	1	5	6	1	SW	2.5	1	0	nh	pj	pj	clear surface conditions
Site 6	7/12/2021	8:45 AM	22.67	22.64	21.82	25.40	25.42	25.83	7.64	7.63	7.53	6.47	6.45	5.99	86.7	86.0	78.8	1.1	4.94	25.0		1	3							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 6	7/19/2021	10:20 AM	24.45	24.38	24.17	26.05	26.06	26.11	7.91	7.89	7.79	6.68	6.98	6.77	93.0	97.3	92.9	1.0	6.21	23.0		4	<1							0	2	5	6	4	NW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 6	7/26/2021	8:32 AM	23.90	23.82	23.72	25.83	25.88	25.93	7.78	7.77	7.76	6.36	6.36	6.27	87.8	87.6	86.1	1.6	4.50	23.0		5	6							2	3	5	6	3	W	0.5	3	0	nh	pj	pj	clear surface conditions
Site 6	8/2/2021	10:32 AM	23.17	23.13	22.59	25.99	26.00	26.19	**no pH data, sensor unoperative**			5.85	6.01	5.53	80.2	82.1	74.5	1.8	6.19	22.2		1	<1							0	2	5	6	1	NW	2.6	1	0.5	nh	pj	pj	clear surface conditions
Site 6	8/9/2021	8:43 AM	22.91	22.90	22.77	26.26	26.36	26.49	7.68	7.68	7.67	6.12	5.89	5.67	82.4	79.3	76.2	1.6	5.16	22.0		4	3							1	4	5	6	4	NE	1.5	3	0	nh	pj	pj	clear surface conditions
Site 6	8/24/2021	8:40 AM	24.09	24.03	23.77	25.79	25.89	26.18	7.59	7.57	7.54	5.21	5.02	4.61	71.5	69.3	63.2	1.6	5.05	23.8		7	<1							1	4	4	6	0	w	7.0	1	0	es	pj	pj	clear surface conditions
Site 6	8/31/2021	9:38AM	24.56	24.54	23.69	26.34	26.38	26.78	pH sensor broken			6.02	6.82	6.29	85.8	96.4	85.1	1.0	6.20	23.8		<1	<1							1	2	5	6	4	nw	5.0	3	0	kp	pj	pj	clear surface conditions
Site 6	9/7/2021	8:46 AM	23.13	23.13	23.15	25.50	25.49	25.54	pH sensor broken			6.26	6.19	6.06	84.6	83.9	82.2	1.3	6.09	17.7		2	1							0	4	4	6	0	w	7.0	1	0	es	pj	pj	clear surface conditions
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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	4/19/21	9:53 AM	11.07	10.93	10.50	26.29	26.30	26.30	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	4/26/21	11:31 AM	10.52	10.51	10.52	25.32	25.30	25.42	8.10	8.09	8.10	9.22	9.18	9.15	97.0	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	5/3/21	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	5/10/21	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	5/17/21	**too shallow**																																							
Site 7	5/24/21	8:47 AM	18.50	18.36	18.01	25.91	26.23	26.20	7.85	7.89	7.91	8.15	8.06	8.23	100.7	99.0	101.0	1.3	3.89	18.5		18	6							0	4	5	6	4	E	3.4	3	0.5	nh	pj	pj	clear surface conditions
Site 7	6/1/21	**too shallow**																																							
Site 7	6/7/21	10:02 AM	19.01	18.64	18.23	26.06	26.09	26.05	7.96	7.98	7.94	8.69	8.98	9.18	109.9	111.9	113.6	1.3	3.46	31.7		10	1							0	4	5	6	1	SE	1.3	1	0	nh	pj	pj	clear surface conditions, %SAT all depths top of range
Site 7	6/15/21	9:25 AM	18.17	18.14	**too shallov**	26.36	26.42	**too shallov**	7.84	7.85	**too shallov**	7.27	7.25	**too sha**	90.0	89.7	**too sha**	1.1	1.78	24.7		54	11							1	2	5	6	4	N	0.5	3	0	nh	pj	pj	clear surface conditions
Site 7	6/21/21	10:12 AM	21.62	21.49	21.19	26.30	26.21	26.27	8.06	8.07	8.03	7.71	7.78	7.81	102.5	103.8	103.0	1.0	3.79	24.2		11	<1							0	2	5	6	4	S	3.7	3	0.5	nh	pj	pj	clear surface conditions
Site 7	6/28/21	**too shallow, low tide**					**too shallow, low tide**										**too shallow, low tide**																								
Site 7	7/6/21	10:14 AM	21.66	21.50	20.63	26.54	26.51	26.58	**no pH data, sensor unoperative**			6.64	7.05	7.07	88.6	93.6	91.0	1.4	3.25	28.0		<1	<1							0	1	5	6	1	SW	1.0	1	0	nh	pj	pj	clear surface conditions
Site 7	7/12/21	10:02 AM	23.71	23.58	23.13	25.16	25.17	25.30	7.79	7.79	7.72	7.12	7.42	7.42	97.3	101.1	99.9	1.2	2.13	25.0		3	<1							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 7	7/19/21	10:10 AM	24.82	24.76	24.51	24.99	25.78	25.97	7.69	7.76	7.64	5.79	5.99	5.90	81.0	84.0	80.9	0.9	3.13	23.0		5	1							0	2	5	6	4	NW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 7	7/26/21	**too shallow, low tide**																																							
Site 7	8/2/21	10:17 AM	23.28	23.28	23.27	25.72	25.73	25.75	**no pH data, sensor unoperative**			5.55	5.23	5.07	74.9	71.1	69.1	1.3	2.42	22.2		5	<1							0	2	5	6	1	NW	3.9	1	0.5	nh	pj	pj	clear surface conditions
Site 7	8/9/21	10:14 AM	23.08	23.03	23.01	26.13	26.16	26.16	7.72	7.73	7.71	5.94	5.96	5.99	80.1	80.6	80.8	1.6	3.20	22.0		5	7							1	4	5	6	3	NE	3.2	2	0	nh	pj	pj	clear surface conditions
Site 7	8/24/21	9:59 AM	24.37	24.37	24.39	25.65	25.62	25.62	7.58	7.58	7.59	5.76	5.54	5.41	79.5	76.6	75.2	1.4	2.22	25.5		25	3							1	4	4	6	0	w	8.0	1	0	es	pj	pj	clear surface conditions
Site 7	8/31/21	9:23AM	24.55	24.54	24.25	26.18	26.22	26.44	pH sensor broken			6.07	6.09	5.52	85.1	84.9	76.3	1.1	2.99	23.8		7	<1							1	2	5	6	4	nw	5.0	3	0	kp	pj	pj	clear surface conditions
Site 7	9/7/21	8:34 AM	22.79	22.79	22.88	25.05	25.05	25.17	pH sensor broken			6.46	6.06	5.94	86.6	81.3	79.9	0.8	2.15	17.7		18	5							0	4	4	6	0	wnw	6.0	1	0	es	pj	pj	clear surface conditions
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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 DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 8	4/19/2021	9:36 AM	10.49	10.10	10.00	26.48	25.35	26.49	8.16	8.16	8.18	10.20	10.30	10.30	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	12.00	11.90	25.77	25.82	25.90	7.97	7.97	7.97	8.71	8.71	8.70	95.4	95.4	95.1	2	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	25.80	25.93	7.90	7.91	7.92	8.81	8.77	8.77	97.0	96.9	96.8	2.2	3.14	11.8		16	15							2	4	5	6	4	N	4.0	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		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
Site 8	5/24/2021	8:35 AM	18.30	18.29	18.06	25.88	26.00	26.18	7.89	7.89	7.88	8.30	8.28	8.28	102.0	101.8	101.5	1.2	3.76	18.6		9	8							0	4	5	6	4	SE	2.4	3	0	nh	pj	pj	clear surface conditions
Site 8	6/1/2021	9:42 AM	15.19	15.02	14.76	25.73	25.73	25.81	7.83	7.79	7.76	8.27	8.31	8.09	95.6	94.4	92.7	1.8	2.0	23.1		1	<1							0	2	5	6	3	E	0.4	2	0	nh	pj	pj	clear surface conditions
Site 8	6/7/2021	9:50 AM	18.52	18.47	17.94	26.15	26.18	26.15	7.94	7.95	7.86	8.78	8.96	8.88	109.5	111.5	109.0	1.3	4.02	30.5		5	<1							0	4	5	6	1	SW	2.0	1	0	nh	pj	pj	clear surface condition, % SAT top of range at all depths
Site 8	6/15/2021	9:11 AM	18.46	18.25	18.21	26.44	26.49	26.46	8.04	8.06	8.04	8.39	8.69	8.83	104.4	108.0	109.6	1.0	2.12	23.8		13	3							1	2	5	6	4	N	0.5	3	0	nh	pj	pj	clear surface conditions
Site 8	6/21/2021	9:52 AM	21.47	21.28	20.83	26.16	26.28	26.32	8.07	8.06	8.07	7.66	7.88	7.86	102.7	104.4	103.2	1.0	3.89	24.3		8	7							0	2	5	6	4	S	4.3	3	0.5	nh	pj	pj	clear surface conditions
Site 8	6/28/2021	**too shallow, low tide**						**too shallow, low tide**									**too shallow, low tide**																							
Site 8	7/6/2021	10:01 AM	20.71	20.68	19.62	26.56	26.62	26.83	**no pH data, sensor unoperative**			5.79	5.77	5.51	75.5	75.2	70.3	1.3	4.13	27.0		13	2							0	1	5	6	1	SW	3.2	1	0	nh	pj	pj	clear surface conditions
Site 8	7/12/2021	8:28 AM	22.66	22.57	**too shallo**	25.10	25.38	**too shallo**	7.63	7.59	**too shallo**	6.82	6.56	**too shallo**	91.4	87.6	**too shallo**	0.9	1.74	23.3		44	13							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 8	7/19/2021	9:54 AM	24.64	24.57	24.40	25.74	25.78	26.08	7.68	7.67	7.62	5.59	5.62	5.28	78.1	78.1	73.1	1.2	3.41	23.0		14	4							0	2	5	6	4	NW	0.0	3	0	nh	pj	pj	clear surface conditions
Site 8	7/26/2021	8:17 AM	23.91	23.75	**too shallo**	25.75	25.92	**too shallo**	7.73	7.68	**too shallo**	6.30	6.20	**too shallo**	86.7	85.1	**too shallow**		1.70	23.0		9	9							2	3	5	6	3	0	0.0	3	0	nh	pj	pj	clear surface conditions, Secchi hit BTM before disappearing
Site 8	8/2/2021	10:05 AM	23.20	23.19	23.10	25.70	25.71	25.76	**no pH data, sensor unoperative**			5.73	5.53	5.33	77.2	75.0	72.2	1.5	3.13	21.1		7	4							0	2	5	6	1	NW	4.4	1	0.5	nh	pj	pj	clear surface conditions
Site 8	8/9/2021	10:33 AM	23.06	23.09	22.98	26.07	26.09	26.23	7.74	7.75	7.70	6.35	6.34	6.13	85.6	85.7	82.5	1.4	3.32	22.0		12	8							1	4	5	6	3	NE	2.8	2	0	nh	pj	pj	clear surface conditions
Site 8	8/24/2021	8:25 AM	24.09	24.06	23.98	25.62	25.61	25.68	7.63	7.61	7.58	5.98	5.81	5.44	82.5	79.4	74.8	1.7	2.04	23.8		17	4							1	4	4	6	1	w	6.0	1	0	es	pj	pj	clear surface conditions
Site 8	8/31/2021	9:11AM	24.57	24.55	24.32	26.24	26.29	26.41	pH sensor broken			6.08	6.11	4.95	84.9	85.4	68.2	1.2	3.30	22.7		6	1							1	2	5	6	4	nw	5.0	3	0	kp	pj	pj	clear surface conditions
Site 8	9/7/2021	8:17 AM	22.96	22.96	22.96	25.38	25.39	28.38	pH sensor broken			6.61	6.36	6.11	89.1	85.6	82.5	1.1	2.49	17.7		12	3							0	4	4	6	0	w	6.0	1	0	es	pj	pj	clear surface conditions
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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 DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 9	4/19/2021	9:20 AM	10.09	10.10	10.1	26.42	26.34	26.35	8.17	8.17	8.17	10.1	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	10.60	10.49	25.54	25.54	25.52	8.09	8.08	8.08	9.11	9.03	9.01	96.1	95.3	95.0	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	25.90	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**	8.4	8.41	**too shallow**	96.8	96.9	**too shallow**		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
Site 9	5/24/2021	8:23 AM	18.15	18.11	18.01	26.08	26.16	26.16	7.91	7.91	7.92	8.39	8.46	8.56	103.1	103.8	105.0	1.4	3.54	17.8		7	2							0	4	5	6	4	E	2.5	3	0	nh	pj	pj	clear surface conditions
Site 9	6/1/2021	9:31 AM	14.81	14.79	14.79	25.89	25.92	25.9	7.78	7.78	7.78	7.71	7.67	7.62	88.4	87.9	87.3	1.8	2.12	21.8		3	1							0	2	5	6	4	0	0.0	3	0	nh	pj	pj	clear surface conditions
Site 9	6/7/2021	9:29 AM	18.53	18.22	17.91	26.15	26.17	26.07	7.92	7.92	7.88	8.63	8.79	8.79	107.5	108.6	107.9	1.4	3.58	31.6		6	2							0	4	5	6	1	SW	1.3	1	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 9	6/15/2021	8:56 AM	19.02	18.73	18.70	26.42	26.49	26.48	8.09	8.06	8.05	8.53	8.90	8.90	108.0	111.1	111.3	1.0	1.88	23.8		2	<1							1	2	5	6	4	NW	1.4	3	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 9	6/21/2021	9:39 AM	21.76	21.72	20.81	26.15	26.16	26.31	8.05	8.05	8.06	7.70	7.77	7.78	103.0	103.7	102.1	1.0	3.91	24.5		13	3							0	2	5	6	4	S	2.7	3	0.5	nh	pj	pj	clear surface conditions
Site 9	6/28/2021	9:11 AM	21.80	21.77	**too shallow**	26.50	26.46	**too shallow**	7.70	7.70	**too shallow**	6.56	6.56	**too shallow**	86.5	86.4	**too shallow**	1.1	1.43	28.0		1	1							0	3	5	6	1	SW	1.7	1	0	nh	pj	pj	clear surface conditions
Site 9	7/6/2021	9:48 AM	21.20	20.72	19.55	26.39	26.54	26.86	**no pH data, sensor unoperative**			6.15	6.45	5.84	81.5	84.3	74.2	1.4	4.63	27		4	2							0	1	5	6	1	SW	2.6	1	0	nh	pj	pj	clear surface conditions
Site 9	7/12/2021	8:16 AM	23.61	23.01	**too shallow**	24.56	24.90	**too shallow**	7.77	7.61	**too shallow**	7.34	7.39	**too shallow**	99.9	95.7	**too shallow**	1.1	1.57	23.9		6	<1							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 9	7/19/2021	9:45 AM	24.89	24.71	24.51	25.80	25.81	25.86	7.70	7.66	7.57	5.80	5.81	4.97	81.1	80.9	68.8	1.2	3.38	23.0		16	<1							0	2	5	6	4	NW	0.5	3	0	nh	pj	pj	clear surface conditions
Site 9	7/26/2021	8:04 AM	23.73	**too shallow**	23.71	25.79	**too shallow**	25.87	7.67	**too shallow**	7.66	6.06	**too shallow**	5.69	82.6	**too shallow**	77.9		1.41	22.0		32	43							2	3	5	6	3	0	0.0	3	0	nh	pj	pj	clear surface conditions, Secchi hit BTM before disappearing
Site 9	8/2/2021	9:53 AM	23.48	23.39	23.29	25.68	25.79	25.73	**no pH data, sensor unoperative**			5.90	5.63	5.39	80.2	76.6	73.1	1.7	3.08	21.1		2	<1							0	2	5	6	1	NW	3.7	1	0.5	nh	pj	pj	clear surface conditions
Site 9	8/9/2021	8:24 AM	22.96	23.05	23.05	25.98	25.98	26.03	7.65	7.64	7.64	6.22	5.72	5.56	83.4	77.0	74.9	1.6	1.96	22.0		52	61							1	4	5	6	4	NE	2.3	3	0	nh	pj	pj	clear surface conditions
Site 9	8/24/2021	8:14 AM	24.10	24.09	**too shallow**	25.34	25.50	**too shallow**	7.57	7.54	**too shallow**	5.75	5.23	**too shallow**	78.5	71.5	**too shallow**	bottom	1.65	22.7		31	10							1	4	4	6	1	W	6.0	1	0	es	pj	pj	clear surface conditions
Site 9	8/31/2021	9:02AM	25.19	25.20	24.84	25.86	25.90	26.08		pH sensor broken		7.05	7.26	7.22	99.6	102.9	100.6	1.1	3.20	22.7		1	1							1	2	5	6	4	NW	5.0	3	0	kp	pj	pj	clear surface conditions
Site 9	9/7/2021	7:54 AM	23.10	23.10	23.11	25.32	25.31	25.33		pH sensor broken		6.09	5.89	5.74	81.9	79.3	77.7	1.7	1.98	16.1		3	1							0	4	4	6	0	w	3.0	1	0	es	pj	pj	clear surface conditions
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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	0.0	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	3.0	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	4.2	16.9		10	4							0	2	5	6	4	E	2.0	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	7.90	7.91	7.89	8.81	8.71	8.69	96.5	96.0	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	8.2	94.3	94.2	93.9	2.4	3.8	23.6		21	1							0	2	5	6	0	0	0.0	1	0	nh	pj	pj	clear surface conditions
Site 10	5/24/2021	8:07 AM	18.28	18.36	18.15	25.79	26.03	26.15	7.86	7.87	7.86	8.18	8.15	8.23	100.5	100.5	101.1	1.1	5.27	18.0		79	52							0	4	5	6	4	NE	1.9	3	0	nh	pj	pj	clear surface conditions
Site 10	6/1/2021	9:18 AM	15.07	14.98	14.72	25.41	25.67	25.83	7.77	7.77	7.77	7.84	7.83	7.74	90.1	89.9	88.5	1.6	4.2	21.2		7	1							0	2	5	6	4	SW	0.6	3	0	nh	pj	pj	clear surface conditions
Site 10	6/7/2021	9:18 AM	19.09	18.67	17.80	25.66	25.90	26.09	7.92	7.92	7.81	8.39	8.72	8.46	105.6	108.9	103.2	1.5	5.87	30.2		1	6							0	4	5	6	1	S	2.4	1	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 10	6/15/2021	8:43 AM	19.76	18.72	18.37	26.29	26.42	26.54	8.19	8.07	8.00	8.97	9.37	9.01	114.5	117.2	111.6	0.9	3.86	23.3		1	<1							1	2	5	6	4	NW	1.2	3	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 10	6/21/2021	9:28 AM	21.70	21.45	21.06	25.32	26.17	26.31	8.03	8.03	8.04	7.61	7.63	7.60	101.2	101.3	100.0	1.0	6.49	24.5		31	29							0	1	5	6	4	S	2.3	4	0.5	nh	pj	pj	clear surface conditions
Site 10	6/28/2021	8:46 AM	21.79	21.66	21.14	26.41	26.50	26.46	7.73	7.73	7.71	7.00	7.00	6.94	92.5	92.1	90.0	0.9	3.55	27.0		12	3							0	2	5	6	1	S	4.0	1	0	nh	pj	pj	clear surface conditions
Site 10	7/6/2021	9:36 AM	21.17	21.04	20.30	26.39	26.44	26.69	**no pH data, sensor unoperative**			5.80	5.87	5.44	76.4	77.1	70.4	1.3	1.3	26.0		3	<1							0	1	5	6	1	SW	2.8	1	0	nh	pj	pj	clear surface conditions
Site 10	7/12/2021	8:05 AM	23.80	23.71	23.43	24.16	24.59	24.61	7.83	7.82	7.76	7.71	7.83	7.84	104.8	106.4	105.7	1.0	3.96	23.9		20	9							1	3	5	6	2	SW	1.0	1	0	nh	pj	pj	clear surface conditions
Site 10	7/19/2021	9:27 AM	24.90	24.76	24.41	25.58	25.82	25.98	7.65	7.64	7.62	5.23	5.27	5.05	73.3	73.5	70.0	1.1	5.64	22.0		25	11							0	2	5	6	4	NW	1.2	3	0	nh	pj	pj	clear surface conditions
Site 10	7/26/2021	7:52 AM	24.52	24.52	23.98	25.49	25.52	25.62	7.74	7.74	7.71	6.46	6.45	6.36	89.9	89.8	87.6	1.3	3.83	22.0		8	8							2	3	5	6	3	0	0	3	0	nh	pj	pj	clear surface conditions
Site 10	8/2/2021	9:39 AM	23.50	23.56	23.20	25.34	25.50	25.85	**no pH data, sensor unoperative**			5.33	5.46	5.38	72.9	75.2	72.6	1.3	5.65	21.1		7	3							0	2	5	6	1	NW	3.9	1	0.5	nh	pj	pj	clear surface conditions
Site 10	8/9/2021	8:07 AM	22.79	23.01	23.29	22.80	25.22	26.10	7.67	7.66	7.67	6.46	6.24	6.01	84.7	83.8	81.2	1.2	3.73	22.0		150	120							1	4	5	6	4	NE	4.2	3	0.5	nh	pj	pj	clear surface conditions
Site 10	8/24/2021	8:03 AM	24.18	24.25	24.19	24.76	24.98	25.26	7.60	7.60	7.54	5.67	5.61	5.34	78.2	77.5	73.5	1.5	3.78	22.8		33	6							1	4	4	6	1	W	5.0	1	0	es	pj	pj	clear surface conditions
Site 10	8/31/2021	8:48AM	25.13	25.08	24.14	25.87	25.89	26.45	pH sensor broken			6.08	6.37	6.26	85.9	90.0	84.1	1.1	5.58	22.3		3	<1							1	2	5	6	4	NW	3.0	3	0	KP	pj	pj	clear surface conditions
Site 10	9/7/2021	7:42 AM	22.76	22.77	23.11	24.92	24.92	25.16	pH sensor broken			6.58	6.55	6.48	88.3	88.0	87.4	1.6	4.07	17.2		11	1							0	4	4	6	0	w	3.0	1	0	es	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	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 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	12.80	12.80	12.8	25.82	25.80	25.74	8.29	8.30	8.30	8.59	8.50	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
Site 11	5/24/2021	7:45 AM	18.23	18.23	18.23	26.20	26.16	26.18	7.84	7.83	7.83	8.30	8.29	8.29	102.1	101.9	101.9	1.3	3.78	17.8		2	<1							0	4	5	6	4	SE	2.7	3	0.5	nh	pj	pj	clear surface conditions
Site 11	6/1/2021	8:42 AM	15.44	15.34	14.9	25.46	25.56	25.72	7.88	7.86	7.76	8.58	8.76	8.42	99.7	101.5	96.4	1.3	3.07	18.2		5	<1							0	2	5	6	4	NE	1	3	0	nh	pj	pj	clear surface conditions
Site 11	6/7/2021	8:46 AM	19.30	18.66	18.44	25.96	25.01	26.10	7.95	7.90	7.87	8.74	9.06	8.72	111.1	112.2	108.0	0.9	4.07	25.3		1	1							0	4	5	6	1	0	0	1	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 11	6/15/2021	8:17 AM	19.81	19.69	19.51	26.02	26.05	26.15	8.08	8.08	8.09	8.68	8.86	8.97	110.9	112.8	114.1	0.8	2.72	22.9		7	<1							1	2	5	6	3	NW	1.5	3	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 11	6/21/2021	9:06 AM	21.52	21.49	21.29	26.17	26.24	26.21	8.03	8.03	8.02	7.53	7.65	7.64	100.3	101.8	101.0	1.1	4.46	25.9		17	9							0	1	5	6	4	S	2.4	2	0.5	nh	pj	pj	clear surface conditions
Site 11	6/28/2021	8:12 AM	23.46	23.45	23.34	26.17	26.22	26.23	7.75	7.75	7.74	6.75	6.90	6.97	91.9	93.2	94.4	0.9	2.15	26.3		<1	<1							0	2	5	6	1	SW	3.0	1	0	nh	pj	pj	clear surface conditions
Site 11	7/6/2021	9:12 AM	21.28	21.26	21.22	26.40	26.39	26.47	**no pH data, sensor unoperative**			6.91	6.93	6.93	91.0	91.2	91.1	1.4	4.20	25		<1	<1							0	4	5	6	1	SW	3.4	1	0.5	nh	pj	pj	clear surface conditions
Site 11	7/12/2021	7:51 AM	23.82	23.74	23.40	24.03	24.21	24.68	7.66	7.67	7.62	7.14	7.16	7.17	96.9	97.1	96.7	0.9	2.27	22.8		28	5							1	3	5	6	2	SW	1.0	1	0	nh	pj	pj	clear surface conditions
Site 11	7/19/2021	9:06 AM	25.11	25.08	24.44	25.78	25.86	26.00	7.76	7.74	7.65	6.07	6.15	5.83	85.5	86.5	80.9	1.0	4.28	22.0		1	<1							0	2	5	6	4	NW	2.0	3	0	nh	pj	pj	clear surface conditions
Site 11	7/26/2021	7:25 AM	24.72	24.72	24.67	25.57	25.55	25.65	7.69	7.68	7.67	6.37	6.32	6.26	89.9	88.3	87.2	1.1	2.28	22.0		5	<1							2	3	5	6	3	W	0.5	3	0	nh	pj	pj	clear surface conditions
Site 11	8/2/2021	9:12 AM	23.62	23.61	23.56	25.70	25.73	25.71	**no pH data, sensor unoperative**			6.09	5.96	5.81	83.2	81.5	79.3	1.4	4.04	20.0		1	1							0	2	5	6	0	NW	3.4	1	0.5	nh	pj	pj	clear surface conditions
Site 11	8/9/2021	7:44 AM	23.40	23.40	23.41	26.02	26.07	26.10	7.59	7.59	7.59	5.94	5.61	5.40	80.4	75.9	73.4	1.3	2.43	22.0		<1	<1							1	3	5	6	4	N	3.5	4	0.5	nh	pj	pj	clear surface conditions
Site 11	8/24/2021	7:33 AM	24.30	24.30	24.31	24.58	24.64	25.21	7.63	7.60	7.56	5.32	5.00	4.79	72.4	68.6	66.1	1.4	2.21	22.2		42	17							1	4	4	6	1	w	5.0	1	0	es	pj	pj	clear surface conditions
Site 11	8/31/2021	8:22AM	25.51	25.50	24.12	25.64	25.72	26.51	pH sensor broken			6.58	7.01	6.24	93.5	99.6	84.8	1.0	4.08	22.7		1	<1							1	2	5	6	4	NW	3.0	3	0	kp	pj	pj	clear surface conditions
Site 11	9/7/2021	7:30 AM	23.00	22.98	23.17	24.81	24.78	25.05	pH sensor broken			5.60	5.52	5.44	75.4	74.3	73.5	1.2	2.40	16.1		20	3							0	4	4	3	0	w	4	1	0	es	pj	pj	Foam
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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	Enteroc occi a	Ammoni (NH3)	Nitr ate NO 3	Nitri te (NO 2)	Tot al Kjel dahl	Org anic Nitr oge n	Tot al Nitr oge n	Rainf all in 24 hours	Tidal Stage	Wate r Color	Surfa ce Condi tion	Cloud Cover	Wind DIRE CTO N	Wind SPE ED m/s	Weat her	Wave Heigh t	Data Enter ed by	Capta in	Sam pling Lead er	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	0.0	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	8.50	95.5	95.6	95.5	0.9	2.40	16.9		16	<1						0	2	5	6	4	E	1.0	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	7.00	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 shallo**	26.15	26.14	**too shallo**	7.69	7.74	**too shallo**	7.52	7.39	**too shallo**	91.3	89.4	**too shall**	1.2	1.80	19.7		1	1						0	2	5	6	0	N	0.4	1	0	nh	pj	pj	clear surface conditions
Site 12	5/24/2021	7:54 AM	18.16	18.24	18.03	26.13	26.09	26.08	7.75	7.76	7.69	7.49	7.44	7.30	91.8	91.4	89.3	1.3	3.05	18.4		<1	1						0	4	5	6	4	E	2.2	3	0	nh	pj	pj	clear surface conditions
Site 12	6/1/2021	9:04 AM	15.27	15.28	15.33	25.46	25.48	25.65	7.88	7.85	7.78	8.58	8.67	8.45	99.2	100.2	97.7	1.4	2.04	17.7		5	1						0	2	5	6	4	N	1.3	3	0	nh	pj	pj	clear surface conditions
Site 12	6/7/2021	8:59 AM	22.65	22.55	21.66	25.60	25.74	25.88	7.86	7.89	7.86	7.44	7.53	8.08	99.7	100.8	106.6	1.0	3.37	30.3		2	4						0	4	5	6	1	SE	1.3	1	0	nh	pj	pj	clear surface conditions
Site 12	6/15/2021	8:30 AM	20.59	20.38	19.94	26.02	26.14	26.26	7.87	8.08	8.00	7.31	7.36	7.70	94.4	97.2	98.5	1.0	1.90	23.3		7	5						1	2	5	6	3	SW	1.3	3	0	nh	pj	pj	clear surface conditions
Site 12	6/21/2021	9:15 AM	23.75	23.75	23.70	26.13	26.13	26.13	7.79	7.79	7.71	6.08	5.95	5.75	83.5	82.2	79.2	1.0	3.67	24.8		7	9						0	1	5	6	4	S	3.2	3	0.5	nh	pj	pj	clear surface conditions
Site 12	6/28/2021	8:22 AM	24.79	**too shallo**	24.69	26.09	**too shallo**	26.13	7.46	**too shallo**	7.46	5.01	**too shallo**	5.02	69.5	**too shall**	69.6	0.7	1.33	28.4		20	20						0	2	5	6	1	SW	1.2	1	0	nh	pj	pj	clear surface conditions
Site 12	7/6/2021	9:22 AM	22.64	22.64	22.62	25.99	26.05	26.11	**no pH data, sensor unoperative**			5.81	5.81	5.80	78.3	78.2	78.1	0.9	3.20	26.0		14	6						0	4	5	6	1	SW	2.4	1	0	nh	pj	pj	clear surface conditions
Site 12	7/12/2021	10:22 AM	24.14	23.83	23.44	24.48	24.76	24.93	7.68	7.59	7.45	5.92	5.98	5.62	81.2	81.1	75.3	0.7	2.34	25.0		5	1						1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 12	7/19/2021	9:16 AM	26.13	26.12	25.91	25.60	25.59	25.61	7.69	7.68	7.54	5.31	5.34	4.96	76.0	76.4	70.7	0.7	3.43	22.0		18	5						0	2	5	6	4	NW	2.2	3	0	nh	pj	pj	clear surface conditions
Site 12	7/26/2021	7:39 AM	25.00	25.00	**too shallo**	25.41	25.55	**too shallo**	7.45	7.46	**too shallo**	5.45	5.26	**too shallo**	76.2	73.5	**too shall**	0.6	1.43	22.0		21	46						2	3	5	6	3	0	0.0	3	0	nh	pj	pj	clear surface conditions
Site 12	8/2/2021	9:21 AM	23.84	23.80	23.67	25.66	25.65	25.60	**no pH data, sensor unoperative**			6.14	5.82	5.59	83.7	79.7	76.2	0.8	3.20	21.1		4	1						0	2	5	6	1	NW	2.8	1	0.5	nh	pj	pj	clear surface conditions
Site 12	8/9/2021	7:53 AM	23.24	23.23	**too shallo**	26.04	26.11	**too shallo**	7.46	7.46	**too shallo**	5.44	4.85	**too shallo**	73.1	65.1	**too shall**	1.4	1.63	22.0		1	3						1	4	5	6	4	N	1.5	4	0	nh	pj	pj	clear surface conditions
Site 12	8/24/2021	7:49 AM	23.84	24.17	NA	24.13	24.86	NA	7.42	7.35	NA	4.84	4.55	NA	65.9	61.7	NA	1.3	2.40	22.7		39	16						1	4	4	6	1	w	5.0	1	0	es	pj	pj	clear surface conditions, top of hypoxic range at top and 1m depths
Site 12	8/31/2021	8:31AM	26.17	26.17	25.69	25.54	25.59	25.67	pH sensor broken			6.29	6.37	5.87	90.2	91.3	83.1	1.0	2.98	22.7		6	11						1	2	5	6	4	NW	3.0	3	0	kp	pj	pj	clear surface conditions
Site 12	9/7/2021	10:25 AM	22.77	22.76	22.73	24.78	24.78	24.80	pH sensor broken			7.05	6.82	6.73	93.3	91.5	90.3	1.0	3.68	21.1		10	<1						0	4	4	6	0	w	7.0	1	0	es	pj	pj	clear surface conditions
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Friends of the Bay **2021** 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 Nitr	Organic Nitrogen	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 13	4/19/2021	8:07 AM	11.48	11.26	11.12	25.34	25.9	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	7.9	7.9	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	25.5	25.84	7.69	7.7	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
Site 13	5/24/2021	11:42 AM	18.57	18.57	18.44	26.07	26.18	26.08	7.89	7.89	7.86	7.82	7.94	7.99	97.1	98.4	98.7	1.2	4.15	23.4		13	2						0	1	5	6	4	W	1.2	3	0	nh	pj	pj	clear surface conditions
Site 13	6/1/2021	8:12 AM	15.03	15.1	15.10	23.51	25.14	25.13	7.7	7.71	7.72	8.00	7.76	7.63	90.4	89	87.6	1.0	3.09	16.3		24	5						0	2	5	6	4	W	0.5	3	0	nh	pj	pj	clear surface conditions
Site 13	6/7/2021	8:02 AM	19.93	19.83	19.76	25.62	25.68	25.74	7.85	7.86	7.86	8.43	8.47	8.47	107.5	107.6	107.5	1.1	3.31	22.3		12	3						0	4	5	6	2	S	2.4	1	0	nh	pj	pj	clear surface conditions, comb jellyfish, % SAT near top of range at all depths
Site 13	6/15/2021	7:49 AM	20.28	20.26	20.11	25.35	25.59	25.90	7.88	7.91	7.99	7.61	7.51	7.76	97.3	96.3	99.5	0.9	2.55	20.7		45	32						1	2	5	6	4	W	1.4	3	0	nh	pj	pj	clear surface conditions
Site 13	6/21/2021	7:52 AM	22.54	22.45	22.37	25.95	25.98	25.58	7.96	7.97	7.98	7.28	7.28	7.32	98.5	98.3	98.8	0.8	4.19	25.6		32	17						0	4	5	6	2	S	2.3	2	0.5	nh	pj	pj	clear surface conditions
Site 13	6/28/2021	7:46 AM	23.66	23.53	23.49	25.56	25.67	25.76	7.35	7.41	7.44	5.16	4.82	4.98	68.8	65.5	67.5	0.8	2.05	25.4		63	36						0	2	5	6	1	SW	2.0	1	0	nh	pj	pj	clear surface conditions
Site 13	7/6/2021	8:04 AM	22.56	22.55	22.49	25.70	25.72	25.72	**no pH data, sensor uno**		-	7.27	7.24	7.20	97.5	97.2	96.5	1.0	3.55	24.0		4	<1						0	4	5	6	4	SW	3.8	3	0.5	nh	pj	pj	clear suface conditions
Site 13	7/12/2021	10:47 AM	24.14	23.97	23.87	23.80	23.99	24.09	7.76	7.72	7.69	7.25	7.36	7.16	99.0	99.8	96.8	0.8	3.02	26.1		37	5						1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 13	7/19/2021	7:51 AM	25.25	25.27	25.29	25.51	25.52	25.55	7.62	7.61	7.60	5.76	5.61	5.36	80.6	78.7	75.5	1.2	4.18	21.0		10	6						0	1	5	6	4	NW	1.5	3	0	nh	pj	pj	clear surface conditions
Site 13	7/26/2021	10:28 AM	25.11	24.99	24.91	25.07	25.12	25.17	7.68	7.67	7.66	6.30	6.21	5.94	88.0	86.7	82.9	1.2	2.69	26.0		44	36						2	4	5	6	1	W	2.0	1	0	nh	pj	pj	clear surface conditions
Site 13	8/2/2021	8:43 AM	23.76	23.76	23.72	25.39	25.44	25.45	**no pH data, sensor unoperative**			6.31	6.15	5.99	86.3	84.3	81.9	1.2	3.84	18.9		2	<1						0	2	5	6	0	NW	2.4	1	0.5	nh	pj	pj	clear surface conditions
Site 13	8/9/2021	11:21 AM	23.45	23.45	23.44	25.85	25.86	25.88	7.69	7.68	7.67	6.31	6.08	5.84	85.3	82.3	79.3	1.6	4.23	23.0		9	5						1	4	5	6	4	NE	4.5	3	0	nh	pj	pj	clear surface conditions
Site 13	8/24/2021	10:50 AM							sonde started malfunctioning, out of order									0.9	NA	26.6		36	2						1	4	4	6	0	w	8	1	0	es	pj	pj	clear surface conditions
Site 13	8/31/2021	7:54AM	25.37	25.36	25.40	25.42	25.41	25.55	pH sensor broken			6.51	6.35	6.39	91.8	89.4	90.3	1.0	3.94	22.2		10	1						1	2	5	6	4	NW	2.0	3	0	kp	pj	pj	clear surface conditions
Site 13	9/7/2021	11:05 AM	23.24	23.24	23.25	24.93	24.94	24.98	pH sensor broken			6.55	6.47	6.37	88.6	87.5	86.4	1.3	4.50	22.2		14	<1						0	4	4	6	0	w	6	1	0	es	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	Seallo or Depth (meter	Air Temp (°C)	H2O Temp BTM ment	Fecal Colifo rm Bact	Entero cocci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrogen	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hour	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 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	0.0	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	15.0		5	6							0	2	5	6	4	E	2.0	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	7.90	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 sha**	7.34	7.04	**too sha**	85.7	82.6	**too shallow**		1.44	18.6		16	4							0	2	5	6	0	0	0.0	1	0	nh	pj	pj	clear surface conditions, Secchi hit bottom before disappearing
Site 14	5/24/2021	11:34 AM	18.97	18.96	18.44	25.55	25.57	26.10	7.88	7.87	7.87	8.00	8.01	8.04	99.5	99.6	99.2	1.1	3.07	21.9		42	7							0	1	5	6	4	SE	1.4	3	0	nh	pj	pj	clear surface conditions
Site 14	6/1/2021	8:00 AM	15.10	15.18	15.17	23.64	23.81	24.93	7.69	7.70	7.68	7.88	7.78	7.68	89.5	88.8	88.1	1.5	2.57	17.3		13	5							0	2	5	6	4	W	0.5	3	0	nh	pj	pj	clear surface conditions, 2 osprey
Site 14	6/7/2021	8:12 AM	20.10	19.97	19.84	25.64	25.70	25.77	7.84	7.86	7.86	8.20	8.33	8.36	104.9	106.4	106.3	1.1	2.78	22.7		10	3							0	4	5	6	2	W	1.0	1	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 14	6/15/2021	7:35 AM	20.34	20.42	20.41	24.66	25.35	25.34	7.82	7.81	7.81	6.83	6.71	6.66	87.0	86.0	85.4	0.9	1.91	21.7		76	48							1	2	5	6	4	W	1.2	3	0	nh	pj	pj	clear surface conditions
Site 14	6/21/2021	8:01 AM	22.58	22.56	22.47	25.94	26.03	25.96	7.98	7.97	7.94	7.24	7.27	7.27	98.1	98.5	98.1	0.7	2.79	23.2		20	7							0	4	5	6	4	S	4.5	3	0.5	nh	pj	pj	clear surface conditions
Site 14	6/28/2021	7:36 AM	23.82	**too shallov**	**too shallov**	24.87	**too shallov**	**too shallov**	7.06	**too shallov**	**too sha**	4.29	**too sha**	**too sha**	52.7	**too sha**	**too sha**	0.6	0.71	25.3		110	65							0	2	5	6	1	SW	1.4	1	0	nh	pj	pj	clear surface conditions
Site 14	7/6/2021	8:14 AM	23.07	23.02	22.86	25.36	25.40	25.52	**no pH data, sensor unoperati**			6.66	6.68	6.70	90.1	90.4	90.2	0.8	2.15	24.0		6	3							0	4	5	6	4	SW	3.2	3	0	nh	pj	pj	clear surface conditions
Site 14	7/12/2021	10:55 AM	24.11	24.11	24.09	23.55	23.50	23.52	7.70	7.70	7.69	7.13	7.15	7.11	97.0	97.3	96.4	0.8	2.18	26.1		58	17							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 14	7/19/2021	7:59 AM	25.39	25.41	25.28	25.37	25.42	25.58	7.60	7.58	7.61	5.50	5.42	5.31	77.2	76.3	74.7	1.2	3.42	21.0		15	8							0	1	5	4	4	NW	1.0	3	0	nh	pj	pj	1 dead fish, 1 dead crab
Site 14	7/26/2021	10:19 AM	25.13	25.06	**too shallov**	24.41	24.62	**too shallov**	7.59	7.56	**too sha**	6.03	5.97	**too sha**	84.3	82.3	**too sha**	1.2	1.79	26.0		510	76							2	4	5	6	1	0	0	1	0	nh	pj	pj	clear surface conditions
Site 14	8/2/2021	8:28 AM	23.72	23.73	23.78	25.17	25.24	25.28	**no pH data, sensor unoperati**			5.71	5.49	5.40	77.7	75.0	74.1	0.9	3.43	17.8		6	7							0	1	5	6	0	NW	3.5	1	0.5	nh	pj	pj	clear surface conditions
Site 14	8/9/2021	11:30 AM	23.46	23.44	23.44	25.92	25.91	25.90	7.69	7.69	7.68	6.38	6.08	5.96	86.7	82.4	80.9	1.4	3.53	23.0		8	7							1	4	5	6	4	NE	2.0	3	0	nh	pj	pj	clear surface conditions
Site 14	8/24/2021	sonde out of order																																				es	pj	pj	clear surface
Site 14	8/31/2021	7:47 AM	25.41	25.42	25.43	24.80	24.87	25.51	pH sensor broken			5.56	5.14	5.04	77.3	72.0	71.5	0.8	2.97	22.2		15	5							1	2	5	6	4	NW	2.0	3	0	kp	pj	pj	clear surface conditions
Site 14	9/7/2021	11:17 AM	23.34	23.33	23.25	25.03	25.03	25.02	pH sensor broken			6.87	6.83	6.73	93.2	92.7	90.9	1.3	4.05	22.2		9	<1							0	4	4	6	0	w	6.0	1	0	es	pj	pj	clear surface conditions
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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	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	Fecal Coliform Bact	Enterococci	Ammonia	Nitrate (Nitrite	Total Kjeldahl Nitrogen	Organic Total Nitrogen	Rain fall in 24	Tidal Stage	Water Color	Surface Con	Cloud Cov	Wind DIR	Wind SPE	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 shall**	24.75	25.42	**too shall**	7.80		7.84	**too sh**	7.92	7.90	**too sh**	89.8	88.9	**too shall**	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	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**																																						
Site 15	5/24/2021	11:24 AM	19.04	18.49	18.43	24.89	26.20	26.20	7.84		7.89	7.89	7.64	7.71	7.99	95.2	95.5	98.9	1.0	2.09	21.3		112	31				0	1	5	6	4	SE	2.0	3	0	nh	pj	pj	clear surface conditions
Site 15	6/1/2021	7:36 AM	15.35	15.47	**too shall**	23.58	24.27	**too shall**	7.83		7.81	**too sh**	7.84	8.73	**too sh**	89.50	89.00	**too shallow**		1.32	16.8		22	4				0	2	5	6	4	0	0	3	0	nh	pj	pj	clear surface conditions, Secchi hit bottom before disappearing
Site 15	6/7/2021	**too shallow**						**too shallow**							**too shallow**																									
Site 15	6/15/2021	**too shallow, low tide**						**too shallow, low tide**							**too shallow, low tide**																									
Site 15	6/21/2/1	8:33 AM	23.22	23.14	22.88	25.18	25.77	25.86	7.85		7.89	7.89	6.74	6.68	6.68	91.7	91.3	90.7	0.6	2.22	23.6		390	210				0	4	5	6	4	S	3.3	3	0.5	nh	pj	pj	clear surface conditions
Site 15	6/28/2021	**too shallow, low tide**						**too shallow, low tide**							**too shallow, low tide**																									
Site 15	7/6/2021	8:48 AM	23.65	23.57	23.53	24.60	24.72	24.71	**no pH data, sensor unoperati**		6.32	6.19	6.00	85.8	83.7	81.3	0.7	1.83	25.0		22	16				0	4	5	6	1	SW	1.2	1	0	nh	pj	pj	clear surface conditions
Site 15	7/12/2021	**too shallow, low tide**						**too shallow, low tide**							**too shallow, low tide**																									
Site 15	7/19/2021	8:36 AM	25.81	25.80	25.63	25.10	25.20	25.32	7.50		7.50	7.52	5.32	5.07	4.82	75.0	71.4	67.9	0.8	1.95	21.0		300	71				0	2	5	6	4	NW	0	3	0	nh	pj	pj	clear surface conditions
Site 15	7/26/2021	**too shallow, low tide**																																						
Site 15	8/2/2021	8:17 AM	23.64	23.64	**too shall**	24.51	24.72	**too shall**	**no pH data, sensor unoperati**		4.60	4.24	**too sh**	62.0	57.4	**too shall**	0.6	1.84	17.8		33	14				0	1	5	6	0	NW	2.8	1	0.5	nh	pj	pj	clear surface conditions
Site 15	8/9/2021	11:41 AM	23.55	23.49	23.46	24.29	24.48	24.85	7.64		7.56	7.52	6.39	6.34	5.87	86.2	85.2	78.8	1.9	2.26	23.0		380	170				1	4	5	4	4	NE	3.2	3	0	nh	pj	pj	2 dead fish
Site 15	8/24/2021												sonde out of order			sonde out of order, sonde out of order																					es	pj	pj	clear surface conditions
Site 15	8/31/2021	7:37 AM	25.51	25.65	25.67	23.98	24.76	24.83		pH sensor broken	**4.70**	**4.07**	**3.60**	65.3	56.5	50.3	0.8	1.96	22.2		43	14				1	2	5	6	4	NW	2.0	3	0	kp	pj	pj	clear surface conditions, DO in hypoxic range at all depths
Site 15	9/7/2021	11:28 AM	23.43	23.44	23.33	24.35	24.37	24.46		pH sensor broken	6.26	6.04	5.77	84.5	81.5	77.6	1.0	2.52	22.2		40	11				0	4	4	6	0	w	6.0	1	0	es	pj	pj	clear surface conditions
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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																																
Site 16	4/26/2021	**strong wind and waves**																																								
Site 16	5/3/2021	7:55 AM	13.32	13.20	**too shal**	25.42	25.52	**too shal**	7.84	7.85	**too shal**	8.25	8.21	**too shal**	92.6	92.0	**too shal**	1.7	1.7	15.1		1	<1							0	2	5	6	4	E	2.0	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**																																								
Site 16	5/24/2021	11:12 AM	18.92	18.88	18.72	25.70	25.73	26.00	7.87	7.87	7.88	8.06	7.98	7.96	100.0	99.1	98.6	1.2	2.31	19.1		46	5							0	1	5	6	4	S	1.3	3	0	nh	pj	pj	clear surface conditions
Site 16	6/1/2021	7:50 AM	15.17	15.21	**too shal**	24.06	24.46	**too shal**	7.67	7.66	**too shal**	8.11	7.88	**too shal**	92.5	90.1	**too shallow**		1.4	16.0		34	8							0	2	5	6	4	0	0.0	3	0	nh	pj	pj	clear surface conditions, Secchi hit bottom before disappearing, bald eagle
Site 16	6/7/2021	8:25 AM	20.66	20.61	**too shal**	25.58	25.57	**too shal**	7.82	7.82	**too shal**	7.87	7.95	**too shal**	101.7	102.6	**too shal**	1.0	1.69	22.6		18	7							0	4	5	6	2	S	0.5	1	0	nh	pj	pj	clear surface conditions, 2 osprey
Site 16	6/15/2021	**too shallow, low tide**						**too shallow, low tide**						**too shallow, low tide**																												
Site 16	6/21/2021	8:21 AM	22.56	22.62	22.52	25.92	25.97	25.96	7.97	7.96	7.98	7.29	7.32	7.32	98.9	99.0	99.1	0.8	2.35	24.2		33	18							0	4	5	6	4	S	2.2	3	0.5	nh	pj	pj	clear surface conditions
Site 16	6/28/2021	**too shallow, low tide**						**too shallow, low tide**						**too shallow, low tide**																												
Site 16	7/6/2021	8:21 AM	23.34	23.32	23.31	25.05	25.15	25.09	**no pH data, sensor unop**			6.80	6.69	6.43	92.0	90.4	86.8	0.7	1.84	24.0		11	5							0	4	5	6	3	SW	1.5	3	0	nh	pj	pj	clear surface conditions
Site 16	7/12/2021	**too shallow, low tide**						**too shallow, low tide**									**too shallow, low tide**																								
Site 16	7/19/2021	8:24 AM	25.39	25.38	25.37	25.46	25.45	25.51	7.57	7.57	7.58	5.39	5.28	5.21	75.7	74.4	73.2	0.8	2.25	21.0		47	19							0	2	5	6	4	NW	1.3	3	0	nh	pj	pj	clear surface conditions
Site 16	7/26/2021	**too shallow, low tide**																																								
Site 16	8/2/2021	8:05 AM	23.77	23.77	23.76	25.06	25.07	25.10	**no pH data, sensor unop**			5.63	5.39	5.20	76.7	73.2	71.2	0.9	2.09	17.8		5	4							0	1	5	6	0	NW	3.7	1	0.5	nh	pj	pj	clear surface conditions
Site 16	8/9/2021	11:53 AM	23.68	23.54	23.46	24.98	25.60	25.90	7.62	7.67	7.68	6.34	6.17	6.00	86.1	83.6	81.5	1.2	2.49	23.0		90	47							1	4	5	6	4	NE	1.8	3	0	nh	pj	pj	clear surface conditions
Site 16	8/24/2021	sonde out of order, sonde out of order																																					es	pj	pj	clear surface conditions
Site 16	8/31/2021	7:28 AM	25.37	25.50	25.5	24.76	24.94	25.34		pH sensor broke		5.81	5.49	5.35	81.4	77.1	75.6	0.7	2.14	22.2		13	4							1	2	6	0	4	NW	2.0	3	0	kp	pj	pj	oil slick, debris, bubbles
Site 16	9/7/2021	11:38 AM	23.41	23.30	23.23	24.91	24.94	24.98		pH sensor broke		6.85	6.81	6.63	93.0	92.1	89.4	1.1	2.75	23.8		13	<1							0	4	4	6	0	w	6.0	1	0	es	pj	pj	clear surface conditions
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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 DIRECTION	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	8.7	8.66	97.9	97.7	97.4	1.8	1.98	28.3		13	1							2	4	5	6	4	E	3.0	3	0	nh	pj	pj	clear surface conditions
Site 17	5/17/2021	**too shallow, low tide**																																								
Site 17	5/24/2021	11:04 AM	19.41	19.43	**too shall**	25.55	25.67	**too shal**	7.76	7.75	**too shal**	7.28	7.18	**too shal**	91.1	90.1	**too shal**	1.3	1.58	20.8		78	17							0	1	5	6	4	E	2.4	3	0	nh	pj	pj	clear surface conditions
Site 17	6/1/2021	**too shallow**																																								
Site 17	6/7/2021	**too shallow**						**too shallow**									**too shallow**																									
Site 17	6/15/2021	**too shallow, low tide**						**too shallow, low tide**									**too shallow, low tide**																									
Site 17	6/21/2021	8:12 AM	23.21	23.18	**too shall**	25.60	25.70	**too shal**	7.74	7.75	**too shal**	5.86	5.77	**too shal**	79.7	78.6	**too shal**	0.7	1.63	23.3		260	280							0	4	5	6	1	S	1.6	3	0.5	nh	pj	pj	clear surface conditions
Site 17	6/28/2021	**too shallow, low tide**						**too shallow, low tide**									**too shallow, low tide**																									
Site 17	7/6/2021	8:31 AM	23.67	23.62	**too shall**	24.54	24.66	**too shal**	**no pH data, sensor unop**			5.84	5.77	**too shal**	79.3	78.3	**too shal**	0.4	1.57	24.0		12	7							0	4	5	6	2	SW	1.5	2	0	nh	pj	pj	clear surface conditions
Site 17	7/12/2021	**too shallow, low tide**						**too shallow, low tide**									**too shallow, low tide**																									
Site 17	7/19/2021	8:09 AM	25.40	25.44	25.60	24.95	24.99	25.14	7.44	7.44	7.46	4.77	4.58	4.44	66.7	64.3	62.7	0.7	2.15	21.0		49	64							0	1	5	6	4	NW	1.8	3	0	nh	pj	pj	clear surface conditions
Site 17	7/26/2021	**too shallow, low tide**																																								
Site 17	8/2/2021	7:46 AM	23.49	23.52	**too shall**	24.69	24.81	**too shal**	**no pH data, sensor unop**			4.76	4.35	**too shal**	64.1	58.9	**too shal**	0.6	1.83	17.8		9	5							0	1	5	6	0	NW	2.5	1	0.5	nh	pj	pj	clear surface conditions
Site 17	8/9/2021	12:02 PM	23.64	23.58	23.56	24.69	25.05	25.06	7.60	7.59	7.59	6.14	6.05	5.85	83.1	81.7	79.0	0.8	2.16	23.0		190	58							1	4	5	6	4	NE	2.4	3	0	nh	pj	pj	clear surface conditions
Site 17	8/24/2021														sound out of order			sonde out of order																					es	pj	pj	clear surface conditions
Site 17	8/31/2021	7:17 AM	25.52	25.59	no data -	24.54	24.63	too shallow		pH sensor broke		**4.02**	**3.67**	too shal	56.1	51.1	too shal	0.7	1.18	22.2		16	7							1	2	5	6,5,2	4	NW	2.0	2	0	kp	pj	pj	oil slick, debris, bubbles, turtle sighting, DO in hypoxic range at top and 1m depths
Site 17	9/7/2021	11:48 AM	23.47	23.41	23.24	24.54	24.61	24.93		pH sensor broke		6.49	6.24	6.06	87.5	83.9	82.2	1.0	2.44	22.7		54	2							0	4	4	6	0	w	6.0	1	0	es	pj	pj	clear surface conditions
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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 DIRECTON	Wind SPEED m/s	Weather	Wave Height	Data Entered by	Captain	Sampling Leader	Notes
Site 18	4/19/2021	7:53 AM	10.97	11.00	10.96	26	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 shal**	26	26.1	**too shal**	7.76	7.77	**too shallow**	8.07	7.94	**too shall**	94.3	92.9	**too shallow**		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
Site 18	5/24/2021	11:52 AM	18.54	18.53	18.54	26.05	26.03	26.13	7.84	7.84	7.86	8.03	8.00	7.87	99.3	98.8	97.3	1.3	2.77	21.7		2	<1							0	1	5	6	4	S	1.2	3	0	nh	pj	pj	clear surface conditions
Site 18	6/1/2021	8:24 AM	15.12	15.10	15.08	25.18	25.36	25.3	7.73	7.74	7.75	7.87	7.76	7.76	90.4	89.2	89.2	1.5	1.90	18.3		9	4							0	2	5	6	4	SW	0.4	3	0	nh	pj	pj	clear surface conditions
Site 18	6/7/2021	7:50 AM	20.75	20.10	20.03	25.44	25.76	25.83	7.77	7.80	7.80	7.87	7.94	7.99	101.7	101.5	102.1	1.0	2.19	23.6		13	5							0	4	5	6	1	E	1.1	1	0	nh	pj	pj	clear surface conditions, % SAT closer to normal range but high for location
Site 18	6/15/2021	8:02 AM	19.78	**too shal**	19.76	25.90	**too shal**	25.94	7.91	**too shal**	7.95	7.70	**too shall**	7.69	97.9	**too shall**	97.9	0.6	1.43	21.7		49	38							1	2	5	6	4	W	1.0	3	0	nh	pj	pj	clear surafce conditions, water churned up from engine prop stayed in area
Site 18	6/21/2021	7:41 AM	22.50	22.49	22.48	26.00	26.03	25.99	7.96	7.96	7.96	7.29	7.32	7.32	98.7	98.9	99.0	0.7	3.11	23.6		30	31							0	4	5	6	2	S	2.3	2	0.5	nh	pj	pj	clear surface conditions
Site 18	6/28/2021	**too shallow, low tide**								**too shallow, low tide**							**too shallow, low tide**																								
Site 18	7/6/2021	7:51 AM	22.74	22.63	22.54	25.33	25.57	25.69	**no pH data, sensor unoperat**			6.97	6.92	7.04	93.3	93.0	94.6	0.9	2.49	24.0		8	6							0	4	5	6	4	SW	3.0	3	0	nh	pj	pj	clear surface conditions
Site 18	7/12/2021	10:38 AM	24.42	23.93	**too shal**	23.06	24.06	**too shal**	7.78	7.75	**too shallow**	7.58	7.64	**too shall**	103.6	103.5	**too shall**	0.7	1.80	26.1		54	5							1	4	5	6	4	SW	1.0	3	0	nh	pj	pj	clear surface conditions
Site 18	7/19/2021	7:42 AM	25.17	25.20	25.18	25.39	25.47	25.62	7.59	7.59	7.62	5.71	5.45	5.39	79.3	76.3	75.7	0.9	3.20	21.0		15	16							0	1	5	6	4	NW	0.5	3	0	nh	pj	pj	clear surface conditions
Site 18	7/26/2021	10:42 AM	25.44	25.17	**too shal**	24.96	25.19	**too shal**	7.73	7.74	**too shallow**	6.79	6.81	**too shall**	95.7	95.7	**too shall**	1.1	1.79	26.0		82	24							2	4	5	6	1	NW	1.5	1	0	nh	pj	pj	clear surface conditions
Site 18	8/2/2021	8:53 AM	23.7	23.72	23.73	25.39	25.41	25.44	**no pH data, sensor unoperat**			6.24	6.05	5.95	85.2	82.7	81.6	1.3	2.81	20.0		1	1							0	2	5	6	0	NW	1.2	1	0.5	nh	pj	pj	clear surface conditions
Site 18	8/9/2021	11:06 AM	23.49	23.49	23.43	25.81	25.81	25.83	7.69	7.69	7.67	6.39	6.24	6.05	86.5	84.6	82.0	1.2	2.96	23.0		17	9							1	4	5	6	4	NE	1.5	3	0	nh	pj	pj	clear surface conditions
Site 18	8/24/2021	10:34 AM	24.84	24.57	NA	23.39	24.41	NA	7.39	7.45	NA	5.02	4.80	NA	69.9	66.1	NA	0.9	2.02	26.1		43	9							1	4	4	6	0	w	8.0	1	0	es	pj	pj	clear surface conditions
Site 18	8/31/2021	8:10 AM	25.33	25.32	25.35	25.52	25.53	25.59		pH sensor broken		6.41	6.44	6.44	90.4	90.9	90.9	1.1	2.83	22.2		12	1							1	2	5	6	4	NW	2.0	3	0	kp	pj	pj	clear surface conditions
Site 18	9/7/2021	10:50 AM	23.26	23.20	23.21	24.92	24.96	24.94		pH sensor broken		6.70	6.51	6.37	90.6	89.1	86.0	1.1	3.30	21.1		18	<1							0	4	4	6	0	w	6	1	0	es	pj	pj	clear surface conditions
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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	Enteroc occi a	Ammoni a (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeld ahl Nitrog en (TKN)	Orga nic Nitrog en (N)	Total Nitrog en	Rainf all in 24 hours	Tidal Stage	Water Color	Surfa ce Condi tion	Cloud Cover	Wind DIRE CTO N	Wind SPEE D m/s	Weat her	Wave Heigh t	Data Enter ed by	Capta in	Samp ling Lead er	Notes
Site 19	4/19/2021	7:45 AM	10.9	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	15.8	15.77	15.69	25.9	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
Site 19	5/24/2021	7:30 AM	18.97	18.88	18.44	25.64	25.80	25.84	7.70	7.71	7.72	7.58	7.51	7.48	94.1	93.3	92.2	1.2	4.71	17.4		15	7							0	4	5	6	4	NE	2.4	3	0	nh	pj	pj	clear surface conditions
Site 19	6/1/2021	11:40 AM	16.17	15.9	15.29	24.18	24.46	24.94	7.78	7.80	7.77	8.02	8.26	8.15	94.0	95.9	93.8	1.4	3.27	28.2		14	3							0	3	5	6	3	NE	0.5	2	0	nh	pj	pj	clear surface conditions
Site 19	6/7/2021	7:30 AM	20.97	20.80	19.94	25.42	25.47	25.67	7.80	7.79	7.78	7.76	7.99	8.04	101.0	103.4	102.5	1.1	4.70	21.4		33	3							0	4	5	6	1	W	2.2	1	0	nh	pj	pj	clear surface conditions, % SAT closer to normal range but still higher than avg. for location
Site 19	6/15/2021	11:24 AM	20.43	20.24	19.80	25.74	25.98	26.23	8.01	8.02	8.04	8.90	9.02	9.18	115.2	115.3	116.9	0.9	4.20	24.4		29	2							1	3	5	6	3	S	1.2	2	0	nh	pj	pj	clear surface conditions, % SAT near top of range at all depths
Site 19	6/21/2021	7:30 AM	22.83	22.67	22.46	25.76	25.92	26.02	7.82	7.87	7.91	6.76	6.70	6.84	91.7	90.5	92.7	0.7	5.40	24.7		150	64							0	4	5	6	2	S	1.9	2	0.5	nh	pj	pj	clear surface conditions
Site 19	6/28/2021	12:00 PM	25.95	25.24	23.64	25.72	26.07	26.21	7.73	7.74	7.69	7.31	7.49	7.19	103.9	104.7	97.6	0.8	3.53	31.0		4	1							0	4	5	6	1	W	2.0	1	0	nh	pj	pj	clear surface conditions
Site 19	7/6/2021	7:33 AM	22.99	22.99	22.76	24.72	24.76	25.48	**no pH data, sensor unoperative**			6.35	6.32	6.46	85.3	85.0	86.9	0.8	5.36	23.0		36	15							0	4	5	6	4	SW	3.2	3	0.5	nh	pj	pj	clear surface conditions
Site 19	7/12/2021	7:35 AM	24.12	24.11	23.69	22.56	22.72	24.31	7.49	7.50	7.54	6.72	6.70	6.65	90.8	90.6	89.9	0.8	3.72	23.3		90	26							1	3	5	6	2	SW	1.0	1	0	nh	pj	pj	clear surface conditions
Site 19	7/19/2021	7:24 AM	25.28	25.27	25.26	25.48	25.48	25.51	7.68	7.67	7.64	5.45	5.38	5.35	76.6	75.6	75.3	0.9	5.71	21.0		24	10							0	1	5	6	4	NW	1.5	3	0	nh	pj	pj	clear surface conditions
Site 19	7/26/2021	10:52 AM	25.40	25.42	24.78	24.77	24.95	25.37	7.76	7.75	7.68	6.65	6.97	6.86	94.2	98.7	95.2	1.2	4.65	26.0		120	25							2	4	5	6	1	0	0	1	0	nh	pj	pj	clear surface conditions
Site 19	8/2/2021	12:28 PM	24.50	24.25	24.14	25.55	25.48	25.48	**no pH data, sensor unoperative**			6.81	6.85	6.82	94.9	95.1	94.1	1.2	4.05	23.9		<1	<1							0	2	5	6	2	NW	4.1	2	0.5	nh	pj	pj	clear surface conditions
Site 19	8/9/2021	7:29 AM	23.42	23.48	23.50	25.18	25.29	25.61	7.62	7.60	7.60	5.69	5.23	5.07	76.2	70.6	68.8	1.2	3.59	21.0		65	52							1	3	5	6	4	N	2.5	4	0	nh	pj	pj	clear surface conditions
Site 19	8/24/2021	sonde out of order, sonde out of order																																				es	pj	pj	clear surface conditions
Site 19	8/31/2021	11:13 AM	26.05	26.01	25.46	24.88	24.94	25.64	pH sensor broken			7.03	7.11	7.10	100.0	100.7	100.3	1.1	3.99	26.1		16	<1							1	2	5	6	4	NW	4	1	0	kp	pj	pj	clear surface conditions
Site 19	9/7/2021	12:10 PM	23.33	23.36	23.29	24.71	24.80	24.93	pH sensor broken			6.78	6.56	6.50	91.5	88.8	88.1	1.2	6.89	23.8		17	<1							0	4	4	6	0	wnw	8	1	0	es	pj	pj	clear surface conditions
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