	Friends of the Bay 2020 Water Quality Data - Site 1, Cold Spring Cove South																																								
	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from B?M	Salinity TOP	Salinity 1.0	Salinity B?M	Phi Top	PH 1.0	Ph .5 m from B?M	Top DO	DO 1.0	B?M DO	Secchi	Floor Depth (meters)	Air Temp (?C)	H2O Temp B?M 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	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 1	7/13/2020 12:12pm		MANTA AMPHIBIAN HINCHELD AND SENSOR NOT WORKING - WATER SAMPLE COLLECTED FOR DEPT OF HEALTH													1.1m		29.1		107	+1							0	2	0	0	0	2	1	2	0		NO	JG	JG
Site 1	6/1/2020 11:15am		24.41	24.20	23.40	24.03	24.38	25.40	8.07	7.82	7.82	6.06	4.68	3.51	1.1m	5.67	22.4			0	0							0	3	1	0	1	0	1	0	0		LG	PJ	PJ
Site 1	7/27/2020 11:54AM		26.30	24.35	24.22	24.31	24.35	25.71	8.04	8.03	7.83	7.23	5.05	2.66	0.9m	3.64	22.4	SAMPLE BOTTLE DROPPED AND CRACKED DUE TO EXTREME HEAT 100+ DEGREES		0	0							0	3	1	0	1	0	1	0	0		LG	PJ	PJ
Site 1	8/3/2020 10:50AM		24.41	24.20	23.06	24.81	25.00	26.97	7.83	7.82	7.57	4.41	3.92	3.20	1.3m	5.65	30.0			46	2							0	4	0	0	0	7	1	1	0		LG	PJ	PJ
Site 1	8/10/2020 12:21pm		25.82	23.95	23.54	25.93	26.87	26.86	7.71	7.45	7.42	3.56	3.23	3.34	1.2m	4.14	28.4			55	11							0	4	0	0	1	8	1	1	1		LG	PJ	PJ
Site 1	8/17/2020 11:21am		25.82	23.95	23.54	25.93	26.87	26.86	7.71	7.45	7.42	3.56	3.23	3.34	1.2m	4.14	28.4			55	11							0	4	0	0	1	8	1	1	1		LG	PJ	PJ
Site 1	8/24/2020 11:00am		25.07	24.58	24.20	24.78	26.12	26.70	7.40	7.65	7.23	4.41	3.96	3.40	1.1	3.66	21.0			27	1							0	4	0	6 (quite a few bunker schools)	1	8	1	2	1		NO	JB	JB
Site 1	8/31/2020 10:46am		23.44	24.32	24.47	24.21	25.37	26.53	Sonde was not working used backup	that does not have pH sensor	NA	5.14	5.35	4.13	1.0M	5.90	23.2			30	12							1	4	0	0	0	4	0	0	0		NO	JB	JB
Site 1	9/8/2020 11:21am		24.14	24.00	24.51	24.96	26.24	26.90	Sonde was not working used backup	that does not have pH sensor		4.35	3.70	3.91	1.1m	4.53	27.2			0	+1							0	4	0	4 - I dead fish	2	1	1	2	1		NO	JB	JB
Site 1	9/14/2020 9:30am		Water Quality Monitoring Equip. Malfunction,	unable to collect data for water temp, salinity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,		unable to collect data for water temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction,	the temp, salinity, pH and DO		sent in for repair			28.6			34	1							0	4	0	0	4	4	2	1	1		NO	JB	JB
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Friends of the Bay 2020: Water Quality Data - **Site 2, Coist Spring Cove North**

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity 0.5 m from BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1 m	DO 0.5 m from BTM	Secchi (meters)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 2	7/13/2020	12:55pm	WAVE HANDHELD PROBEN		WATER SAMPLE COLLECTED FOR DEPT OF HEALTH																																			
Site 2	7/20/2020	10:45AM	24.77	24.77	24.77	24.89	24.89	24.89	7.89	7.89	7.43	6.86	5.11	3.16	3.0m	7.10	28.5	110	+1								0	4	5	6	0	2	1	1	0		KP	PJ	JB
Site 2	7/27/2020	11:45AM	25.87	25.86	24.32	24.80	4.96	25.86	8.04	7.96	7.30	7.43	5.11	2.68	3.0m	3.15	28.5	54	1								0	4	5	6	1	8	1	2	0		LG	PJ	PJ
Site 2	8/3/2020	10:21AM	24.21	24.15	23.94	24.97	25.26	25.47	7.55	7.56	7.41	4.42	3.65	3.70	1.4m	5.45	28.5	26	1								0	4	5	6	1	7	1	1	0		LG	PJ	PJ
Site 2	8/10/2020	12:04AM	24.90	24.90	24.90	25.19	25.19	25.19	7.95	7.95	7.95	5.34	4.26	3.24	1.2m	3.60	27.0	46	0								0	4	5	6	1	8	1	1	0		LG	PJ	PJ
Site 2	8/17/2020	10:26AM	24.80	24.77	24.77	25.49	25.19	25.49	7.95	7.95	7.95	5.34	4.26	4.09	1.2m	3.60	27.0	80	0								0	4	5	6	1	8	1	1	0		LG	PJ	PJ
Site 2	8/24/2020	11:41am	24.86	24.18	24.13	25.81	26.14	26.51	7.20	7.24	7.34	5.95	3.70	3.94	1.1	5.30	26.9	30	+1								0	4	5	6	1	5	1	2	0		NA	JB	JB
Site 2	8/31/2020	10:34am	24.59	24.57	24.56	25.90	26.51	26.71	Sonde was not working used backup		that does not have pH sensor	NA	4.14	5.12	1.0m	7.25	23.4	10	1								0	4	5	6	4	5	1	5	1		NA	JB	JB
Site 2	9/8/2020	11:06am	23.84	21.60	23.96	26.11	26.51	27.20	Sonde was not working used backup		that does not have pH sensor		3.89	3.78	1.4m	6.45	27.8	8	+1								0	4	5	6-Sea foam on shoreline	2	5	1	2	1		NA	JB	JB
Site 2	9/14/2020	9:27am	Monitoring Equip. Malfunction, Collect data for water temp, salinity, pH and DO		sent in for repair	Water Quality Monitoring Equip. Malfunction,		ater temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,		ater temp, salinity, pH and DO				26	+1										5	6	4	5	1	1	1		NA	JB	JB
Site 2																																							

Friends of the Bay 2020 Water Quality Data - Site 3, Cold Spring Harbor South

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP (0.5 m)	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader	Notes
Site 3	7/13/2020	11:49AM	WATER SAMPLE COLLECTED FOR DEPT OF HEALTH ONLY																86	>1																			
Site 3	7/20/2020	11:00AM	25.50	25.46	23.47	25.42	25.46	25.49	29.58	7.85	7.81	7.42	5.80	4.34	2.50	5.1m	8.35	27.0	35	0						0	0	5	0	2	8	1	1	1		Nat	JG	JG	
Site 3	7/27/2020	11:27AM	25.50	25.46	23.47	25.42	25.46	25.49	29.25	7.79	7.76	7.55	5.12	4.25	2.33	5.8m	4.41	30.5	35	0						0	0	5	0	1	7	1	2	1		LG	PJ	PJ	
Site 3	8/3/2020	10:07AM	23.87	23.84	21.86	25.76	25.86	26.26	7.64	7.63	7.35	4.84	4.20	2.26	1.6m	6.35	27.6		6	>1						0	4	5	0	1	7	1	1	0		LG	PJ	PJ	
Site 3	8/10/2020	11:38AM	25.13	25.10	23.14	25.88	25.94	26.03	7.65	7.61	7.60	5.30	4.20	3.28	1.2m	6.85	29.0		90	>1						0	4	5	0	1	0	0	1	1		Nat	JG	JG	
Site 3	8/17/2020	9:38am	25.13	25.10	23.14	25.88	25.94	26.03	7.65	7.61	7.60	5.30	4.20	3.28	1.2m	6.85	29.0		10	1						0	4	5	0	1	0	0	1	1		Nat	JG	JG	
Site 3	8/24/2020	11:28am	25.00	24.73	24.00	26.69	26.64	27.10	7.46	7.46	7.37	4.50	4.00	4.10	1.2m	4.60	27.7		11	1						0	4	5	0	1	8	1	2	1		Nat	JG	JG	
Site 3	8/31/2020	10:12am	24.98	24.25	24.00	26.05	26.32	26.77	Sonde was not working used backup	that does not have pH sensor		>4	3.73	3.50	1.0m	3.57	24.2		4	2						1	4	5	0	4	2	1	1	1		Nat	JG	JG	a) one dead fish
Site 3	9/8/2020	10:54am	24.14	24.00	23.93	26.83	26.93	27.20	Sonde was not working used backup	that does not have pH sensor			4.04	4.30	1.5m	3.17	24.7		8	>1						0	4	5	a. Sea foam on shoreline	3	1	1	2	1		Nat	JG	JG	a) b. Sea foam on shoreline
Site 3	9/14/2020	9:23am	Water Quality Monitoring Equip. Malfunction,	then temp, salinity, pH and DO		sent in for repair	Water Quality Monitoring Equip. Malfunction,		Unit	data for water temp, salinity, pH and DO		sent in for repair	Water Quality Monitoring Equip. Malfunction,		unable to collect data for water temp, salinity, pH and DO		sent in for repair		8	>1						0	4	5		3	8	1	1	1		Nat	JG	JG	
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Events of the Sea 2020 Water Quality Data - Site 4, Cold Spring Harbor, New York

	Date	Time	H2O Temp TOP - (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	Ph Top	Ph 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader	Notes	
Site 4	7/15/2020	9:00AM	11 Sheet	11 Sheet	11 Sheet	24 PARAMETER VIOLATION											21.0																							
Site 4	7/29/2020	9:00AM	26.27	26.17	22.10	25.37	25.40	25.87	8.04	8.02	7.61	6.60	5.90	3.90	1.5m	4.7ft	26.0		0	<1						0	4	5	8	1	4	1	2	0		LG	RG	RG		
Site 4	8/12/2020	9:15AM	26.47	26.47	23.90	25.14	25.15	25.55	8.05	8.06	7.86	6.70	7.24	4.70	1.5m	5.8ft	27.0		<1	<1						0	4	5	8	1	4	1	2	0		LG	RG	RG		
Site 4	8/19/2020	9:00AM	26.80	26.80	24.50	25.90	25.90	26.00	7.95	7.95	7.80	5.90	5.90	4.90	1.5m	5.8ft	28.0		1	<1						0	3.4	5	8	0	4	1	1	0		LG	RG	RG		
Site 4	8/19/2020	10:00AM	26.80	26.43	22.60	26.90	26.90	27.01	7.93	7.75	7.40	5.97	5.90	4.10	1.5m	5.9ft	28.0		1	<1						0	4	5	8	0	4	1	1	0		LG	RG	RG		
Site 4	8/19/2020	9:00am	27.47	25.74	20.50	27.01	27.00	26.97	7.91	7.85	7.85	7.00	5.90	4.00	1.5m	5.7ft	27.0		1	<1						0	4	5	8	1	4	1	1	0		Ted	JR	JR		
Site 4	8/26/2020	9:00am	26.73	26.73	26.50	27.01	27.01	27.01	7.95	7.95	7.95	7.00	7.00	6.00	1.5m	5.7ft	27.0		0	<1						0	4	5	8	1	4	1	0	1		Ted	JR	JR		
Site 4	9/21/2020	10:00am	24.73	24.13	24.13	27.20	27.10	27.13	Bonde is as not a sitting used backup			6.18	6.03	5.80	1.5m	7.2ft	24.0		0	<1						1	4	5	8	4	1	0	1	1		Ted	JR	JR		
Site 4	9/28/2020	10:30am	24.45	24.45	23.63	27.27	27.27	27.28	Bonde is as not a sitting used backup		that does not have pH sensor		6.15	5.95	1.5m	6.8ft	26.1		<1	<1						1	4	5	8	4	1	0	1	1		Ted	JR	JR	Fish jumping, 2 ice trenes spotted in the distance off lone	a rib near yellow and orange Sailes JR Fluid to spot there
Site 4	9/14/2020	9:15am			Water Quality Monitoring Equip. Malfunction, p.ater temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction, p.ater temp, salinity, pH and DO					Water Quality Monitoring Equip. Malfunction, p.ater temp, salinity, pH and DO		sent in for repair	22.0									0	5	5	8	0	4	0	0	1		Ted	JR	JR		
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Friends of the Bay 2020 Water Quality Data - Site 5, Plum Point

	Date	Time	H2O Temp TOP (0.5m)	H2O temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	PH .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader	Notes
Site 5	7/13/2020	11:35am	AMPHIBIAN NOT WORKING			WATER SAMPLE COLLECTED FOR DOH																																		
Site 5	7/20/2020	10:00AM	24.87	24.98	23.30	26.20	26.20	25.93	7.88	7.84	7.70	6.86	6.10	4.93	1.5m	13.19	30.4		1	0			MAKITA AMPHIBIAN NOT WORKING				0	2	5	6	1	2	0	1	1		Nd	JG	JG	
Site 5	7/27/2020	11:01AM	25.87	25.10	24.52	26.20	26.20	26.20	7.83	7.83	7.79	6.86	6.63	6.27	1.0m	10.17	35.0		<1	<1							0	2	5	6	1	2	1	2	0		LD	PJ	PJ	
Site 5	8/3/2020	9:44AM	23.81	23.65	22.94	26.07	26.02	26.22	7.57	7.53	7.47	4.5	4.34	3.86	1.1m	12.42	26.8		3	1							0	4	5	6	1	2	1	1	1		LD	PJ	PJ	
Site 5	8/10/2020	9:30AM	25.81	25.49	23.48	26.13	26.10	26.36	7.98	7.93	7.85	4.07	4.10	3.73	1.0m	11.17	27.7		<1	<1							0	4	5	6	1	2	1	2	1		LD	PJ	PJ	
Site 5	8/17/2020	9:20AM	25.83	25.82	23.87	26.23	26.23	26.23	7.96	7.93	7.85	4.32	4.15	3.94	1.0m	11.11	23.1		<1	<1							0	4	5	6	1	4	0	2	1		Nd	JG	JG	
Site 5	8/24/2020	10:00am	25.80	24.95	24.59	27.03	27.17	27.27	7.78	7.63	7.37	5.91	6.44	6.16	1.4m	10.54	32.7		<1	<1							0	4	5	6	1	6	1	2	1		Nd	JG	JG	
Site 5	9/31/2020	9:10am	24.17	24.16	23.93	27.06	27.06	27.27	Sonde was not working used backup ;		that does not have pH sensor		8.36	6.44	0.75	3.00	24.5		1	6							1	4	2	5	1	1	0	1	0		Nd	JG	JG	
Site 5	9/8/2020	10:22am	24.04	below depth - too low to take reading		27.00	27.00	27.20	Sonde was not working used backup ;		that does not have pH sensor		8.30	shallow depth - too low to take reading		0.50	1.0m	1.86	26.6	<1	1						0	4	5	6	2	1	1	2	0		Nd	JG	JG	school of fish jumping
Site 5	9/14/2020	9:10am			Water Quality Monitoring Equip. Malfunction,	jtear temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,	jtear temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,	jtear temp, salinity, pH and DO		sent in for repair	22.6	1	1						0	1	5	6	1	1	1	1	1		Nd	JG	JG	
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| | **Friends of the Bay 2020** | Water Quality Data - Site 6, Seawanhaka Yacht Club PSTP outfall | | |

Friends of the Bay 2020 Water Quality Data - **Site 7, Oyster Bay Cove**

	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi	Floor Depth (meters)	Air Temp	H2O Temp BTM	Fecal Coliform Bacteria	Enterococci	Ammonia	Nitrate	Nitrite	Organic	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 7	7/13/2020	10:54am	TA AMPHIBIAN NOT WORKING				PT OF HEALTH								1.4m		28.0		9	1						1	2	5	6	1	2	0	1	0		LD	PJ	PJ	
Site 7	7/20/2020	11:46AM	26.70	25.88	24.81	25.68	25.61	25.42	7.91	7.89	7.80	6.79	6.61	6.12	1.1m	3.76	30.3		<1	<1						0	1	5	6	1	8	1	2	0		LD	PJ	PJ	
Site 7	7/27/2020		TOO SHALLOW																NO SAMPLE																	LD	PJ	PJ	
Site 7	8/3/2020	10:59AM	25.64	25.54	25.32	25.85	25.84	25.88	7.74	7.74	7.73	6.46	6.44	6.46	1.6m	3.30	27.7		2	<1						0	4	5	6	1	7	1	1	1		LD	PJ	PJ	
Site 7	8/10/2020		TIDE TOO LOW					TIDE TOO LOW																		0										LD	PJ	PJ	
Site 7	8/17/2020	8:55am	23.32	23.47	23.52	26.05	26.37	26.32	7.61	7.60	7.58	5.33	5.09	5.08	1.4m	3.59	20.8		42	10						2	4	5	1	1	8	1	1	1		kp	pj	pj	
Site 7	8/24/2020	DEPTH TOO SHALLOW			DEPTH TOO SHALLOW		DEPTH TOO SHALLOW			DEPTH TOO SHALLOW																										kp	pj	pj	
Site 7	8/31/2020	9:24am	23.76	23.80	23.80	26.67	26.72	26.76	Sonde was not working used backup	that does not have pH sensor		6.67	6.69	6.86	1.1m	3.20	21.9		11	10						1	4	5	6	4	2	1	3	0		kp	pj	pj	
Site 7	9/8/2020	tide too low /depth too shallow	unable to get data or sample			tide too low /depth too shallow		unable to get data or sample											tide too low /depth too shallow	unable to get data or sample								tide too low /depth too shallow	yet data or sample							kp	pj	pj	Dead fish on surface
Site 7	9/14/2020	8:58am	Water Quality Monitoring Equip. Malfunction,		e water temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction,	collect data for water temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction,		salinity, pH and DO	sent in for repair		22.2		5	2						0	1	5	6	3	8	2	3	2		kp	pj	pj	
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Friends of the Bay 2020 Water Quality Data - **Site 8, Oyster Bay STP at White's Creek**

	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph. 5 m from BTM	Top DO	DO 1 m	BTM DO	Secchi (meters)	Floor Depth (meters)	Air Temp (°C)	H2O	Fecal Coliform	Enterococci	Ammonia	Nitrate	Nitrite	Organic	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED	Weather	Wave		Data	Captain	Sampling Leader
Site 8	7/13/2020	10:38AM	MANTA AMPHIBIAN NOT WORKING				FOR DEPT OF HEALTH								1.2m		35.3		27	<1						1	2	5	6	1	7	0	1	0		LD	PJ	PJ
Site 8	7/20/2020	12:05AM		26.53	25.14	24.52	25.55	25.56	25.57	7.85	7.85	7.65	6.20	5.68	4.88	1.2m	3.75	31.1		2	<1						0	4	5	6	1	8	1	2	0		LD	PJ	PJ
Site 8	7/27/2020	10:25AM		25.45	25.14	25.03	26.14	26.22	26.27	7.77	7.75	7.73	6.44	6.29	6.20	1.0m	1.80	31.5		8	4						0	2	5	6	1	7	2	2	0		LD	PJ	PJ
Site 8	8/3/2020	11:14AM		25.22	25.46	24.34	25.85	25.80	25.90	7.70	7.73	7.53	5.73	5.29	4.49	1.8m	4.37	31.7		4	1						0	4	5	6	1	7	1	1	1		LD	PJ	PJ
Site 8	8/10/2020	10:10AM		24.45	24.19	23.92	26.57	26.56	26.60	7.65	7.61	7.51	6.07	5.72	5.69	1.6m	2.38	29.7		8	<1						0	2	5	6	0	8	1	1	0		LD	PJ	PJ
Site 8	8/17/2020	8:37am		23.59	23.60	23.55	26.37	26.30	26.35	7.60	7.60	7.59	5.36	5.40	5.57	1.5m	3.78	20.1		8	7						2	4	5	6	1	8	1	1	1		kp	pj	pj
Site 8	8/24/2020	10:19AM		25.26	24.98	25.01	26.91	26.99	26.98	7.69	7.63	7.64	7.30	7.19	7.12	1.3m	1.87	31.5		4	<1						0	3	5	6	1	8	1	2	0		KP	PJ	PJ
Site 8	8/31/2020	9:09am		24.17	24.18	24.22	26.78	26.82	26.81	Sonde was not working used backup	that does not have pH sensor		6.53	6.52	6.52	1.4m	3.58	22.7		6	8						1	4	5	6	4	2	1	3	1		KP	PJ	PJ
Site 8	9/8/2020	9:52am		24.02	24.00	23.86	26.93	26.91	26.93	Sonde was not working used backup	that does not have pH sensor		5.93	5.99	6.10	1.6m	2.28	24.1		<1	<1						0	3	5	6	4	7	1	3	0		kp	pj	pj
Site 8	9/14/2020	8:51am	Water Quality Monitoring Equip. Malfunction,		water temp, salinity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,		ata for water temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction, salinity, pH and DO			sent in for repair		22.0		5	<1						0	1	5	6	3	8	2	3	2		kp	pj	pj
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Friends of the Bay **2020** Water Quality Data - **Site 9, Roosevelt Beach**

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi (m)	Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 9	7/13/2020	10:22am	5 AMPHIBIANS NOT WORKING				TED FOR DEPT OF HEALTH									1.9m		27.1		8	<1						0	2	0	6	0	7	0	1	0		LG	PJ	PJ
Site 9	7/26/2020	9:00AM	24.45	24.38	24.38	26.1	26.1	26.73	7.68	7.69	7.63	6.12	5.08	5.08		3.0m	2.11	30.0		8	<1						0	2	0	6	0	7	1	2	0		LG	PJ	PJ
Site 9	7/27/2020	10:15AM	25.88	25.24	25.38	26.11	26.16	26.00	7.76	7.75	7.73	5.38	5.08	5.05		3.0m	2.10	30.0		8	<1						0	2	0	6	0	6	1	2	0		LG	PJ	PJ
Site 9	8/3/2020	9:00AM	24.67	24.27	23.96	26.80	26.82	26.96	7.60	7.58	7.51	4.82	4.96	4.14		1.9m	3.00	27.0		8	2						0	2	0	6	0	7	1	1	0		LG	PJ	PJ
Site 9	8/10/2020	9:00AM	23.52	23.06	23.06	26.31	26.31	26.46	7.55	7.55	7.50	5.17	4.97	5.04		1.9m	2.00	27.0		26	10						0	4	0	6	0	10	NE	1	1		MS	PJ	PJ
Site 9	8/17/2020	09:30AM	23.52	23.06	23.03	26.31	26.37	26.60	7.50	7.50	7.50	5.17	4.97	5.04		1.9m	2.00	27.0		26	10						0	4	0	6	0	10	0	1	1		MS	PJ	PJ
Site 9	8/24/2020	10:00AM	25.30	depth too shallow	25.17	26.80	depth too shallow	26.84	7.62	depth too shallow	7.59	5.90	depth too shallow	6.85	1.6m	1.6m	1.80	29.0		2	<1						0	3	0	6	0	8	1	2	0		KP	PJ	PJ
Site 9	9/21/2020	8:50am	24.23	24.30	24.30	26.77	26.87	26.87	Sonde was not working used backup	that does not have pH sensor		5.94	5.90	6.00	1.2m	1.2m	3.90	20.2		30	2						0	4	0	6	0	4	0	1	1		KP	PJ	PJ
Site 9	9/8/2020	9:41am	24.00	24.00	24.00	27.01	26.96	26.96	Sonde was not working used backup	that does not have pH sensor		5.76	5.74	5.96	1.1m	1.1m	2.10	24.3		4	<1						0	3	0	6	0	4	0	1	0		KG	JS	JS
Site 9	9/14/2020	8:45am	Water Quality Monitoring Equip. Malfunction, jiber temp, salinity, pH and DO			sent in for repair	Water Quality Monitoring Equip. Malfunction, collect data for water temp, salinity, pH and DO		sent in for repair			Water Quality Monitoring Equip. Malfunction, jiber temp, salinity, pH and DO			sent in for repair			20.2		3	1									3	0	6	0	2	1	1	0		KG	JS	JS
Site 9																																					

Friends of the Bay **2020** Water Quality Data - **Site 10, Beekman Beach**

	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 10	7/13/2020	10:15am	5 AMPHIBIANS NOT WORKING												1.8m		35.0		23	0							1	2	5	6	1	F	1	1	1		LG	PJ	PJ
Site 10	7/27/2020	8:50AM	25.67	25.17	24.79	25.24	25.07	25.42	7.78	7.75	7.69	9.73	9.45	4.85	1.0m	5.04	31.0		11	0							0	2	5	6	1	F	1	2	0		LG	PJ	PJ
Site 10	8/3/2020	8:45AM	25.67	25.27	25.08	25.36	26.01	26.16	7.76	7.78	7.70	9.31	9.02	6.65	1.4m	4.08	31.8		11	0							0	2	5	6	1	F	1	2	0		LG	PJ	PJ
Site 10	8/3/2020	8:46AM	25.73	25.84	25.62	25.03	25.29	26.70	7.71	7.71	7.63	6.66	5.80	5.45	1.3m	4.75	28.0		120	13							0	4	5	6	1	F	1	1	0		LG	PJ	PJ
Site 10	8/10/2020	8:45AM	25.67	24.97	24.81	26.38	26.41	26.51	7.67	7.67	7.58	5.41	5.05	5.06	1.0m	4.16	26.5		170	11							0	4	5	6	1	F	1	1	1		MS	PJ	PJ
Site 10	8/17/2020	8:45AM	25.67	24.97	24.97	25.97	26.07	26.70	7.62	7.61	7.48	5.61	5.57	5.35	1.0m	3.15	26.3		170	11							0	4	5	4.25m	1	F	1	1	1		MS	PJ	PJ
Site 10	8/24/2020	9:55am	25.11	24.88	24.78	26.52	26.52	26.82	7.61	7.64	7.56	6.91	6.70	6.60	1.4m	3.73	27.4		36	17							0	2	5	6	1	B	1	2	1		NA	JB	JB
Site 10	9/21/2020	9:35am	24.1	24.56	24.53	26.61	26.76	26.77	7.59			6.37	6.26	6.16	1.2m	3.60	26.8		16	11							1	4	5	4	4	F	1	3	0		NA	JB	JB
Site 10	9/8/2020	9:35am	24.16	24.13	24.10	26.77	26.82	26.96	Sonde was not working used backup		that does not have pH sensor		6.02	5.87	1.5m	4.22	27.1		6	<1							0	2	5	6	0	N	1	3	0		NA	JB	JB
Site 10	9/14/2020	8:35am	Water Quality Monitoring Equip. Malfunction,	water temp, salinity, pH and DO		sent in for repair	Water Quality Monitoring Equip. Malfunction,	data for water temp, salinity, pH and DO	Sonde was not working used backup		that does not have pH sensor		Water Quality Monitoring Equip. Malfunction,		sent in for repair		22.0		6	1							0		5	6	0	N	1	3	0		NA	JB	JB
Site 10																																						

Friends of the Bay **2020** Water Quality Data - Site 11, West Harbor

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 11	7/13/2020	9:30am	28.01	25.84	25.00	25.41	26.46	26.92	7.89	7.98	7.99	6.87	6.45	5.46	1.5m	2.62	28	Eco specimen collected 1st run and having problems with motor									1	2	5	8	1	7	1	1	1		LG	PJ	PJ
Site 11	7/27/2020	9:15am	29.49	28.75	28.37	26.01	26.60	26.16	7.97	7.96	7.72	7.67	7.33	6.36	0.8m	2.91	30.5	1	+1								0	2	5	8	1	8	1	2	0		LG	PJ	PJ
Site 11	8/3/2020	8:10AM	29.80	29.61	28.50	26.90	26.92	26.60	7.96	7.96	7.51	5.13	4.89	4.68	1.0m	3.16	27.3	+1	1								0	4	5	8	3	7	1	2	1		LG	PJ	PJ
Site 11	8/10/2020	8:15am	29.05	28.80	28.24	26.27	26.35	26.23	7.94	7.97	7.96	5.46	5.40	5.40	1.4m	4.04	28.6	0	+1								0	4	5	8	1	8	1	1	1		MC	PJ	PJ
Site 11	8/17/2020	07:30am	29.02	28.80	28.26	26.27	26.35	26.23	7.94	7.97	7.96	5.46	5.40	5.40	1.4m	4.04	28.6	0	+1								0	4	5	8	1	8	1	1	1		MC	PJ	PJ
Site 11	8/24/2020	9:10am	25.87	25.42	25.23	26.63	26.60	26.60	7.76	7.72	7.85	7.35	7.18	7.01	1.0m	2.48	29.6	1	2								0	2	5	8	1	0	0	2	0		MC	JB	JB
Site 11	9/21/2020	7:30am	24.40	24.47	24.44	26.72	26.73	26.73	Sonde was not working used backup	that does not have pH sensor		4.45	6.52	6.59	1.0m	3.42	19.1	1	+1								1	2	5	8	1	0	1	0	0		MC	JB	JB
Site 11	9/8/2020	8:45am	24.31	24.25	24.20	26.71	26.73	26.82	Sonde was not working used backup	that does not have pH sensor		6.2	6.13	6.14	1.1m	2.87	25.1	0	+1								0	2	5	8	0	0	0	2	0		MC	JB	JB
Site 11	9/14/2020	8:20am	Water Quality Monitoring Equip. Malfunction,	jetar temp, salinity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,	Best data for water temp, salinity, pH and DO			sent in for repair		Water Quality Monitoring Equip. Malfunction,	jetar temp, salinity, pH and DO		sent in for repair		21.7	4	+1																			
Site 11																		

Friends of the Bay **2020** Water Quality Data - **Site 12, Turtle Cove**

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1 m	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	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 12	1/13/2020	9:46am	AMPHIBIAN NOT WORKING															26.5	>1	>1							1	2	5	8	1	7	1	1	5		LD	PJ	PJ	
Site 12	2/26/2020	11:37AM	26.32	27.94	28.49	25.54	25.44	25.36	25.53	7.87	7.87	7.63	6.26	5.80	4.84	0.9m	3.7=	32.4	2	>1							0	1	5	8	2	8	1	2	5		LD	PJ	PJ	
Site 12	7/27/2020	9:32AM	27.27	27.26	25.51	25.54	25.51	25.01	25.01	7.64	7.63	7.40	4.70	4.11	4.26	0.9m	2.00	30.5	1	>1							0	2	5	8	1	8	1	2	0		LD	PJ	PJ	
Site 12	8/3/2020	8:33AM	28.64	28.44	28.44	25.45	25.40	25.34	25.51	7.37	7.37	7.37	5.31	5.32	5.37	1.1m	2.90	31.4	15	8							0	4	5	8	3	8	1	2	0		LD	PJ	PJ	
Site 12	8/10/2020	9:08AM	26.02	26.20	26.44	26.53	26.34	26.26	7.69	7.67	7.66	5.74	5.50	5.12	1.0m	1.97	27.6	>1	>1								0	2	5	4	0	7	1	1	0		LD	PJ	PJ	
Site 12	8/17/2020	9:15am	27.45	27.45	27.45	26.40	26.40	26.40	7.69	7.69	7.69	5.74	5.74	5.74	1.0m	1.97	27.8	>1	>1								0	2	5	8	1	4	1	1	0		LD	PJ	PJ	
Site 12	8/24/2020	9:33am	28.45	depth too shallow	28.37	26.80	depth too shallow	26.80	7.62	depth too shallow	7.61	5.14	depth too shallow	5.20	0.9m	1.84	27.8	>1	>1								0	2	5	8	1	4	1	1	0		NP	JB	JB	
Site 12	8/31/2020	9:10am	24.01	24.04	23.40	26.67	26.69	26.77	Sonde was not working used backup	that does not have pH sensor		5.94	6.74	6.10	0.7m	2.83	29.3	2	1								1	4	5	8	4	1	1	0	0		NP	JB	JB	
Site 12	9/8/2020	9:03am	24.20	24.10	24.10	26.56	26.56	26.56	Sonde was not working used backup	that does not have pH sensor		6.26	6.26	6.26	0.7m	2.70	24.8	>1	>1								0	2	5	8	3	8	2	0	2		NP	JB	JB	Seagulls feeding on fish school
Site 12	9/14/2020	9:28am	Water Quality Monitoring Equip. Malfunction,	, ater temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction,		data for water temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,		ater temp, salinity, pH and DO		sent in for repair	21.0									0	4	5	8	3	8	2	0	2		NP	JB	JB	
Site 12																																							

Friends of the Bay **2020**Water Quality Data - **Site 13, Mill Neck Creek East**

	Date	Time	H20 Temp TOP	(0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	PH .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	HUG! lamp is not mainte avail.	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Total Kjeldahl Nitrogen (TKN)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 13	11/1/2020	8:10am	25.41		24.96	24.8	24.64	25.41	25.60	7.52	7.06	7.07	5.20	5.25	4.95	1.0m	2.73	28.8	NO SPECIMEN COLLECTED MOTOR PROBLEM	49	15							1	2	5	6	3	8	1	1	1		LG	PJ	PJ
Site 13	7/20/2020	8:14AM	26.41		26.33	26.17	24.91	25.02	25.10	7.96	7.53	7.49	4.69	4.31	4.14	0.9m	2.43	30.6		49	15							0	4	5	6	2	6	0	0	0		LG	PJ	PJ
Site 13	7/2/1/20	8:47AM	26.50		26.48	26.30	25.05	25.48	25.72	7.63	7.61	7.57	5.50	5.21	5.18	0.4m	2.94	31.7		51	5							0	2	5	6	2	5	1	2	0		LG	PJ	PJ
Site 13	8/3/20	12:34PM	26.49		26.47	26.49	25.55	26.07	26.06	7.75	7.70	7.57	5.99	5.88	5.58	1.2m	4.11	35.1		5	<1							0	1	5	6	0	8	1	1	1		LG	PJ	PJ
Site 13	8/10/20	8:14AM	25.80		25.47	25.42	25.93	26.23	26.19	7.48	7.50	7.50	4.95	4.93	4.97	0.7m	2.6	28.6		11	<1							0	0	5	6	1	0	N/A	0	0		LG	PJ	PJ
Site 13	8/17/20	11:56am	24.78		24.30	24.54	26.24	26.32	26.35	7.69	7.69	7.59	6.36	6.05	6.01	1.0m	3.98	26.4		5	<1							2	2	5	6	1	0	4	1	2	0		NJ	JB	JB
Site 13	8/24/20	8:35am	25.46		25.45	25.45	26.07	26.05	26.11	7.52	7.53	7.53	4.46	4.52	4.64	0.9m	2.37	27.7		55	21							0	2	5	6		4	1	2	0		NJ	JB	JB
Site 13	8/31/20	12:22pm	24.42		24.40	24.34	26.70	26.70	26.75	Sonde was not working used backup			6.24	6.13	6.26	0.9m	4.27	22.0		10	1							1	4	5	6	4	2	2	3	1		NJ	JB	JB
Site 13	9/8/20	8:10am	23.74		23.73	23.72	25.71	25.77	25.81	Sonde was not working used backup		that does not have pH sensor	4.40	4.41	4.50	0.7m	2.80	21.8		14	1							0	2	5	6	1	7	1	1	0		NJ	JB	JB
Site 13	9/14/20	7:44am	Water Quality Monitoring Equip. Malfunction,			water temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,		to collect data for water temp, salinity, pH and DO		Water Quality Monitoring Equip. Malfunction,		sent in for repair		21.5		6	6							0	4	5	6	0	8	2	3	2		NJ	JB	JB
Site 13																																								

Friends of the Bay **2020** Water Quality Data - **Site 14, Mill Neck Creek Mouth**

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	Phi Top	PH-1.0 m	Ph. 5 m from BTM	Top DO	DO-1.0 m	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 14	7/13/2020		MANTA AMPHIBIAN NOT WORKING			WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												NO SPECIMEN COLLECTED MOTOR PROBLEM																			LiD	PJ	PJ
Site 14	7/15/2020	8:00AM	26.50		26.50	25.50	25.50	25.50	24.95	7.25	N/A	7.25	2.96	N/A	3.10	0.7m	1.14	28.7		46	6						0	4	5	6	4	7	1	3	0		LiD	PJ	PJ
Site 14	7/21/2020	8:38AM	26.80		26.80	25.70	25.70	25.70	23.45	7.63	7.60	7.53	3.66	5.36	3.51	0.9m	2.35	27.2		46	6						0	2	5	6	2	5	1	2	0		LiD	PJ	PJ
Site 14	8/3/2020	12:22PM	27.10		26.03	25.90	25.90	25.70	7.85	7.86	7.59	5.60	5.60	5.14	0.8m	3.78	33.7		15	+1						0	1	5	6	0	7	1	1	1		LiD	PJ	PJ
Site 14	8/10/2020	7:45am	25.70		25.70	25.60	25.60	25.60	7.80	7.81	7.63	5.50	4.55	3.97	0.9m	1.95	26.1		24	+1						0	2	5	6	1	6	1	1	1		LiD	PJ	PJ
Site 14	8/17/2020	1:47pm	26.30		25.80	25.40	25.40	25.40	7.90	7.87	7.63	5.30	4.55	3.97	0.2m	1.95	28.2		6	+1						0	2	5	6	1	6	1	1	1		LiD	PJ	PJ
Site 14	8/24/2020	7:51am	25.30		25.30	25.60	25.60	25.60	7.25	7.24	7.22	3.50	4.02	4.30	0.8m	1.95	25.7		52	42						0	2	5	6	1	0	0	2	0		Nd	JB	JB
Site 14	8/31/2020	n/a			BOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME TO GET TO ALL 19 STATIONS DUE TO SPEED LIMITATIONS																					0											Nd	JB	JB
Site 14	9/8/2020	7:55am	23.60		23.60	25.70	25.70	25.70	Sonde was not working used backup		that does not have pH sensor		4.40	4.40	4.67	0.9m	1.38	23.6		12	1						0	2	5	6	3	0	0	3	0		Nd	JB	JB
Site 14	9/14/2020	7:45am	Water Quality Monitoring Equip. Malfunction, jater temp, salinity, pH and DO			sent in for repair	Water Quality Monitoring Equip. Malfunction, data fix water temp, salinity, pH and DO			sent in for repair		Water Quality Monitoring Equip. Malfunction, jater temp, salinity, pH and DO			sent in for repair			21.4		14	2						0	4	5	6	3	4	2	3	0		Nd	JB	JB
Site 14																																					

	Friends of the Bay 2020 Water Quality Data - Site 15, Mill Neck Creek South																																						
	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph. 5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 15	7/13/2020	7:59am	MANTA AMPHIBIAN NOT WORKING		WATER SAMPLE COLLECTED FOR DEPT OF HEALTH										0.7m		25.6		33	10							1	1	0	8	2	NW	1	1	1	0		LiO	PJ	PJ
Site 15	7/27/2020		TIDE TOO LOW																50	20							0	2	0	0	2	N/A	0	2	0	0		LiO	PJ	PJ
Site 15	7/27/2020	7:55AM	27.21		TOO SHALLOW	27.22	25.10	TOO SHALLOW	25.40	7.46	TOO SHALLOW	7.47	4.72	TOO SHALLOW	4.72	0.6m	1.36	32.5	130	26							0	2	0	0	2	N/A	0	2	0	0		LiO	PJ	PJ
Site 15	8/3/2020	11:59AM	27.76			27.02	24.84	25.00	25.08	7.51	7.50	5.24	5.44	5.54	0.8m	2.22	32.6		50	1							0	4	0	0	0	2	1	1	1	1		LiO	PJ	PJ
Site 15	8/10/2020		TIDE TOO LOW				TIDE TOO LOW			TIDE TOO LOW																	2	2	0	0	1	0	1	1	1		KiO	PJ	PJ
Site 15	8/17/2020	11:31am	27.76		23.96	23.96	24.84	25.36	25.40	7.46	7.46	7.47	4.76	4.60	4.0ft	0.8m	2.16	34.1	780	61							2	2	0	0	1	0	1	1	1	1		KiO	PJ	PJ
Site 15	8/24/2020	DEPTH TOO SHALLOW	1.3 feet depth finder reading on hull			DEPTH TOO SHALLOW		DEPTH TOO SHALLOW				DEPTH TOO SHALLOW																									MaP	PJ	PJ
Site 15	8/31/2020	n/a	BOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME	TO GET TO ALL 19 STATIONS DUE TO SPEED LIMITATIONS																																	MaP	PJ	PJ
Site 15	9/8/2020	tide too low (depth too shallow	unable to get data or sample		tide too low (depth too shallow	unable to get data or sample		tide too low (depth too shallow	unable to get data or sample										tide too low (depth too shallow	unable to get data or sample						tide too low (depth too shallow	unable to get data or sample											
Site 15	9/19/2020	7:34am		Water Quality Monitoring Equip. Malfunction,	jaw temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction,	jaw temp, salinity, pH and DO	sent in for repair				Water Quality Monitoring Equip. Malfunction,	jaw temp, salinity, pH and DO	sent in for repair		21.5		75								0	4	0	0	3	0	2	3	2		TM	JB	JB
Site 15																																						

Friends of the Bay 2020 Water Quality Data - Site 16, 688 Nevis Creek North

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 16		7/13/2020	MANTA AMPHIBIAN NOT WORKING			WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												NO SPECIMEN COLLECTED MOTOR PROBLEM																			LJC	PJ	PJ
Site 16		7/15/2020		TIDE TOO LOW																							0	1	5								LJC	PJ	PJ
Site 16		7/31/2020	8:15AM	27.50	TOO SHALLOW	26.47	25.52	TOO SHALLOW	25.75	7.49	TOO SHALLOW	7.90	5.08	TOO SHALLOW	5.30	0.7m	1.36	30.1	SAMPLE BOTTLE DROPPED AND CRACKED DUE TO EXTREME HEAT 100+ DEGREES								0	2	5	5	2	0	1	2	0	LJC	PJ	PJ
Site 16		8/3/2020	12:15PM	27.57	26.44	26.15	25.23	25.51	25.98	7.61	7.61	7.60	5.67	5.45	5.48	0.9m	2.33	30.4	36	>1							0	1	5	5	0	0	1	1	0	LJC	PJ	PJ
Site 16		8/17/2020		TIDE TOO LOW				TIDE TOO LOW																			0	2	5	5	1	0	1	1	1	NG	JB	JB
Site 16		8/17/2020	11:41AM	27.50	23.96	23.93	25.50	26.27	26.20	7.53	7.50	7.50	5.56	5.66	5.67	0.9m	2.10	23.5	260	7							0	2	5	5	1	0	1	1	1	NG	JB	JB
Site 16		8/24/2020	DEPTH TOO SHALLOW				1.3 feet depth finder reading on boat											DEPTH TOO SHALLOW																			NG	JB	JB
Site 16		8/31/2020	no	QUIET ENGINE BREAK IN PERIOD NOT ENOUGH TIME			TO GET TO ALL 16 STATIONS DUE TO SPEED LIMITATIONS						DEPTH TOO SHALLOW																								KP	PJ	PJ
Site 16		9/8/2020	tide too low (depth too shallow	unable to get data or sample		tide too low (depth too shallow	unable to get data or sample				tide too low (depth too shallow	unable to get data or sample			tide too low (depth too shallow	unable to get data or sample				tide too low (depth too shallow	unable to get data or sample			tide too low (depth too shallow	unable to get data or sample								tide too low (depth too shallow	unable to get data or sample		NG	JB	JB
Site 16		9/14/2020	8:00am		Water Quality Monitoring Equip. Malfunction,	sew temp, salinity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,	sew temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction,	sew temp, salinity, pH and DO	sent in for repair			21.6									0	4	5		5	3	0	3			NG	JB	JB
Site 16																																						

	Friends of the Sea 2020 Water Quality Data - Site 17, The Bronx, NY																																				
	Date	Time	H2S Temp TOP (0.5m)	H2S Temp 1.0 m	H2S Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	Ph Top	Ph 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0	BTM DO	Secchi	Depth (meters)	Air Temp	H2S Temp BTM Hardly A.V.S.	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrates (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Caption	Sampling Leader	Notes
Site 17	5/12/2020		MASS. AMPHIBIA NOT SCORING			AN TEP SAMPLE COLLECTED FOR DEPT OF HEALTH								NO SPECIMEN COLLECTED METER PROBLEM																									
Site 17	7/24/2020		TOE TOO LOW																								0	1	10	0	0	0	0	0			120	AJ	AJ	
Site 17	8/12/2020	8:23AM	DEPTH TOO LOW		28.00	DEPTH TOO LOW		25.00	DEPTH TOO LOW		7.25	DEPTH TOO LOW		3.70	0.490	0.61	29.0		0								0	0	10	0	0	1	0	0	0			110	AJ	AJ	
Site 17	9/9/2020		TOO SHALLOW, TOE TOO LOW																NO SPECIMEN COLLECTED																					
Site 17	9/16/2020		TOE TOO LOW				TOE TOO LOW																				0	0									120	AJ	AJ	
Site 17	9/23/2020		TOO SHALLOW				too shallow, to collect data												too shallow, to collect sample																		140	AJ	AJ	
Site 17	9/30/2020		DEPTH TOO LOW		1.3 feet depth Sonar reading on boat		DEPTH TOO LOW					DEPTH TOO LOW							too shallow, to collect sample																		145	AJ	AJ	
Site 17	10/21/2020	rain	BOAT ENGINE BREAK IN PROGRESS NOT SCORING THE	TO GET TO ALL 10 STATIONS DUE TO SPEED LIMITATIONS										DEPTH TOO LOW					too shallow, to collect sample																		147	AJ	AJ	
Site 17	8/5/2020	tide too low - Depth too shallow	unable to get data or sample			tide too low - Depth too shallow		unable to get data or sample			tide too low - Depth too shallow		unable to get data or sample		tide too low - Depth too shallow	unable to get data or sample		21.0	10	10							tide too low - Depth too shallow		unable to get data or sample		tide too low - Depth too shallow	unable to get data or sample					90	JB	JB Merry Girl jumping	
Site 17	8/14/2020	8:00am		Water Quality Monitoring Equip. Malfunction	due to collect data for w.ater temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction	w.ater temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction	w.ater temp, salinity, pH and DO																										
Site 17												

Events of the Day **2020** Water Quality Data - Site 18, NB Nero Creek

	Date	Time	Chl1 Temp TOP (0.5m)	DO1 Temp 0.5 m	DO1 Temp 0.5 m from BTM	Salinity TOP	Salinity 0.5 m	Salinity BTM	Ph Top	Ph 0.5 m	Ph 0.5 m from BTM	Top DO	DO 0.5	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	DO1 Temp BTM	Turbidity #1	Fecal Coliform Bacteria	Dissolved	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	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 18	1/2/2020		SAMPLE SUSPENDED AT 1/2 DEPTH					SALINITY SAMPLE COLLECTED FOR DEPT OF HEALTH													NO SPECIMEN COLLECTED ON THIS DATE																			
Site 18	1/3/2020		TIDE TOO LOW																																					
Site 18	1/7/2020	9:00AM		25.15		26.08		26.09		26.04		7.89		7.72		6.38		6.37		0.9m		1.27		21.8		SAMPLE BOTTLE BROKE AND CRACKED DUE TO EXTREME HEAT 100+ DEGREES				0		2		1		1		2	0		LG	RJ	RJ
Site 18	1/8/2020	9:00AM		25.44		26.21		26.21		26.21		7.84		7.71		6.37		6.36		1.0m		1.05		21.6						0		2		1		1		1	0		LG	RJ	RJ
Site 18	1/9/2020	9:00AM		25.44		NA		26.20		26.21		7.84		NA		6.35		6.35		1.0m		1.05		26.6						0		2		1		1		1	0		LG	RJ	RJ
Site 18	1/10/2020	11:00am		25.73		26.20		26.19		26.20		7.84		7.70		6.35		6.35		1.0m		2.05		25.3						0		2		1		1		1	0		NA	JR	JR
Site 18	1/11/2020	11:00am		25.73	DEPTH TOO SHALLOW	26.20		26.19	DEPTH TOO SHALLOW	26.19		7.84	DEPTH TOO SHALLOW	7.69		6.35		6.35		1.0m		2.05		25.3						0		2		1		1		1	0		NA	JR	JR
Site 18	1/21/2020	12:15PM		26.48		24.42		26.36		26.40		26.40		Sonde is sick and is sitting used backup		6.80		6.80		1.1m		3.05		26.4						0		4		2		1		1	0		NA	JR	JR
Site 18	1/24/2020	2:30am		26.16	No only - depth too shallow to take other readings			26.25	No only - depth too shallow to take other readings					Sonde is sick and is sitting used backup		6.80		6.72		1.1m		1.05		24.3						0		4		2		1		1	0		NA	JR	JR
Site 18	2/12/2020	7:30am			Water Quality Monitoring Equip. Malfunction,	a.ater temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,		a.ollect data for a.ater temp, salinity, pH and DO						21.1		32		a								0		4		2		1		2	0		NA	JR	JR
Site 18														sent in for repair																										
Site 18													

Friends of the Bay 2020 Water Quality Data - Site 19, Flowers Oyster Hatchery

	Date	Time	H2O Temp TOP (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph. 5 m from BTM	Top DO	DO 1.0	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24 hours	Tide Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 19		7/13/2020	9:11am	24.80	24.80	24.50	25.45	25.54	26.66	7.72	7.74	7.80	6.36	6.10	5.70	1.4m	3.82	26.6	NO SPECIMEN COLLECTED MOTOR PROBLEM								0	2	5	4	0	0	1	1	0		NA	PJ	PJ
Site 19		7/20/2020	12:45PM	27.00	27.00	26.40	25.62	25.62	25.92	7.86	7.85	7.77	7.27	6.98	3.85	2.7m	3.7	32.5	SAMPLE BOTTLE DROPPED AND CRACKED DUE TO EXTREME HEAT 100+ DEGREES	>1							0	3	5	5	0	1	1	2	0		LD	PJ	PJ
Site 19		7/27/2020	12:00	27.60	27.44	26.40	25.62	25.62	25.92	7.86	7.85	7.77	7.27	6.98	3.85	2.7m	3.7	32.5		>1							0	3	5	5	0	1	1	2	0		LD	PJ	PJ
Site 19		8/3/2020	12:55PM	27.13	26.82	25.51	25.43	25.45	25.76	7.67	7.66	7.55	5.68	5.57	4.92	1.9m	6.6	32.4		2	>1						0	2	5	4	0	1	1	1	1		LD	PJ	PJ
Site 19		8/10/2020	12:15pm	26.94	26.94	24.95	26.37	26.37	26.28	7.67	7.66	7.57	6.00	5.74	4.68	0.9m	4.8	24.0		0	>1						0	4	5	4	0	1	1	1	1		NA	20	20
Site 19		8/17/2020	12:14pm	26.94	26.94	24.95	26.37	26.37	26.28	7.67	7.66	7.57	6.00	5.74	5.00	1.1m	4.66	24.0		13	>1						0	4	5	4	0	1	1	1	1		NA	20	20
Site 19		8/24/2020	RAN SHORT ON TIME	TO GET SAMPLES TO LAB	RAN SHORT ON TIME NEEDED TO GET SAMPLES TO LAB - NO SAMPLE TAKEN							RAN SHORT ON TIME NEEDED TO GET SAMPLES TO LAB - NO SAMPLE TAKEN								RAN SHORT ON TIME NEEDED TO GET SAMPLES TO LAB - NO SAMPLE TAKEN																			
Site 19		8/31/2020	7:30am	24.50	24.44	24.90	26.30	26.33	26.42	Sonde was not working used backup	that does not have pH sensor		5.28	5.21	4.94	0.8m	4.15	19.4		10	>1						1	4	5	5	0	0	1	0	0		NA	20	20
Site 19		9/8/2020	12:20pm	25.00	25.00	24.40	26.50	26.60	26.82	Sonde was not working used backup	that does not have pH sensor		6.33	6.06	6.00	1.100	4.91	26.1		10	>1						0	4	5	5	0	2	1	2	0		NA	20	20
Site 19		9/14/2020	7:33am	Water Quality Monitoring Equip. Malfunction,	jiter temp, salinity, pH and DO		sent in for repair	Water Quality Monitoring Equip. Malfunction,	data for water temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,	jiter temp, salinity, pH and DO		sent in for repair		21.5		10	0						0	4	5	5	0	2	2	1	1		NA	20	20
Site 19																																						