	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'TM	Salinity TOP	Salinity 1.0	Salinity B'TM	Pin Top	PH 1.0	Ph .5 m from B'TM	Top DO	DO 1.0	B'TM DO	Secchi	Floor Depth (meters)	Air Temp (°C)	H2O Temp B'TM 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 12:15pm		MANTA AMPHIBIAN HANDHELD AND SENSOR NOT WORKING - WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												1.1m	28.11			197	>11								0	2	0	0	0	2	1	2	0		NJ	JG	JG
Site 1	6/3/2020 10:15AM		24.41	24.20	23.46	24.03	24.35	24.38	26.46	8.07	7.82	7.82	8.06	4.68	3.51	1.1m	5.67	22.4	27	1								0	2	0	0	0	2	1	2	0		LG	PJ	PJ
Site 1	7/27/2020 11:54AM		26.33	24.38	24.22	24.31	24.38	25.71	8.04	8.03	7.23	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	2	1	0	1	0	1	2	0		LG	PJ	PJ
Site 1	8/3/2020 10:50AM		24.41	24.20	23.06	24.81	26.00	26.97	7.83	7.82	7.57	4.41	3.92	3.20	1.3m	5.65	32.0		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	23.34	25.93	26.41	26.86	7.71	7.45	7.12	3.56	3.25	3.34	1.2m	4.14	28.4		55	11								0	4	0	0	0	8	1	1	0		LG	PJ	PJ
Site 1	8/17/2020 11:21am		25.82	23.95	23.34	25.93	26.41	26.86	7.71	7.45	7.12	3.56	3.25	3.34	1.2m	4.14	28.4		55	11								0	4	0	0	1	8	1	1	0		LG	PJ	PJ
Site 1	8/24/2020 11:00am		25.07	24.58	24.20	24.78	26.12	26.70	7.40	7.40	7.23	4.41	3.96	3.40	1.1	3.68	21.2		27	1								0	4	0	6 (quite a few bunker schools)	1	8	1	2	1		NJ	JG	JG
Site 1	9/31/2020 10:46am		23.44	24.32	24.47	24.21	25.37	26.52	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	90	12								1	4	0	0	4	0	0	0	0		NJ	JG	JG
Site 1	9/8/2020 11:21am		24.14	24.02	24.51	25.90	25.24	26.90	Sonde was not working used backup	that does not have pH sensor			4.53	3.70	3.91	1.1m	4.53	27.2	0	>11								0	4	0	4 - I dead fish	2	1	1	2	1		NJ	JG	JG
Site 1	9/17/2020 10:00am		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		7.05	7.02	sent in for repair	6.82	0.9M	3.68	16.1								0	4	0	0	0	2	2	1	1		NJ	JG	JG
Site 1	9/31/2020 10:30am		17.52	17.11	16.20	24.90	24.90	26.26											290	0								0	4	0	0	0	2	2	1	1		NJ	JG	JG
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Friends of the Bay 2020: Water Quality Data - **Site 2, Coint 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 WASHED FROZEN		WATER SAMPLE COLLECTED FOR DEPT OF HEALTH																																			
Site 2	7/20/2020	10:45AM	24.77	24.77	24.89	25.46	7.89	7.89	7.43	6.86	5.11	3.16	2.16	2.10	28.5	110	+1										0	4	5	6	0	2	1	1	0		KP	PJ	JB
Site 2	7/27/2020	11:40AM	25.87	25.88	24.32	24.36	4.36	25.86	8.04	7.88	7.30	7.43	5.11	2.68	3.94	34	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	1.44	3.45	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	24.77	25.49	25.19	25.49	7.56	7.56	7.39	5.34	4.26	3.24	1.24	3.45	27.5	40	0								0	4	5	6	1	8	1	1	0		LG	PJ	PJ
Site 2	8/17/2020	10:25AM	24.80	24.77	24.77	25.49	25.19	25.49	7.56	7.49	7.39	5.34	4.26	4.09	1.0	3.60	27.5	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	7.04	5.95	3.70	3.94	1.1	5.35	26.9	30	+1								0	4	5	6	1	5	1	2	0		NM	JB	JB
Site 2	9/31/2020	10:34am	24.58	24.37	24.96	25.80	26.51	26.71	Sonde was not working used backup		that does not have pH sensor	NA	6.14	5.12	1.0m	7.25	23.4	10	1								0	4	5	6	4	5	1	2	1		NM	JB	JB
Site 2	9/8/2020	11:06am	24.86	23.96	25.1	27.20	3.87	3.76	Sonde was not working used backup		that does not have pH sensor		3.89	3.87	1.4m	6.45	27.8	6	+1								0	4	5	6-Sea foam on shoreline	2	5	1	2	1		NM	JB	JB
Site 2	9/15/2020	10:15am	Water Quality Monitoring Equip. Malfunction. Collect data for 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. Collect data for water temp, salinity, pH and DO					20	0								0	4	5	6	0	2	1	1	1		NM	JB	JB
Site 2	9/21/2020	10:18am	18.72	18.82	18.14	26.20	25.61	26.00					7.65	7.65	7.67	1.1M	2.06	15.7	200	2							0	4	5	6	0	2	1	1	1		NM	JB	JB
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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
7/13/2020	11:49AM	WATER SAMPLE COLLECTED FOR DEPT OF HEALTH																																					
7/20/2020	11:00AM	24.14	24.14	24.14	25.49	25.49	25.49	29.58	7.89	7.81	7.40	5.80	4.34	2.50	5.1m	8.35	27.0	90	<1						0	0	5	0	0	8	1	1	1		Nd	JG	JG	
7/27/2020	11:23AM	25.50	25.46	23.67	25.42	25.46	29.23	7.79	7.79	7.70	7.33	5.12	4.23	2.33	0.9m	4.41	32.5	31	2						0	4	5	0	1	2	1	2	1		LG	PJ	PJ	
8/3/2020	10:07AM	23.87	23.84	21.86	25.76	25.86	29.26	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	
8/10/2020	9:38AM	24.12	24.12	23.16	25.88	25.94	26.83	7.63	7.61	7.60	5.30	4.20	3.28	1.2m	6.85	25.0	10	<1							0	4	5	0	1	0	0	1	1		Nd	JG	JG	
8/17/2020	9:18AM	23.10	23.06	22.14	25.88	25.94	26.83	7.63	7.61	7.60	5.50	4.20	3.28	1.2m	6.85	25.0	90	<1	1						0	4	5	0	1	0	0	1	1		Nd	JG	JG	
8/24/2020	11:38am	25.00	24.73	24.00	26.69	26.64	27.10	7.46	7.46	1.2m	4.55	4.02	4.10	1.2m	4.60	27.7	11	1							0	4	5	0	1	8	1	2	1		Nd	JG	JG	
8/31/2020	10:23am	24.98	24.25	24.00	26.05	26.32	26.77	Sonde was not working used backup	that does not have pH sensor		5.73	5.50	5.10	1.0m	3.57	24.2	4	2							1	4	5	0	4	2	1	1	1		Nd	JG	JG	some dead fish
9/8/2020	10:54am	24.00	24.00	23.95	26.93	26.93	27.29	Sonde was not working used backup	that does not have pH sensor		4.94	4.30	4.30	1.5m	3.17	24.7	6	<1							0	4	5	5- Sea foam on shoreline	0	1	1	2	1		Nd	JG	JG	5- Sea foam on shoreline
9/15/2020	10:00am	Water Quality Monitoring Equip. Malfunction (collect data for water temp, salinity, pH and DO)			sent in to repair	Water Quality Monitoring Equip. Malfunction (collect data for water temp, salinity, pH and DO)			sent in to repair		Water Quality Monitoring Equip. Malfunction (unable to collect data for water temp, salinity, pH and DO)			sent in to repair											0	4	5		0	2	1	1	0		Nd	JG	JG	
9/21/2020	10:06am	18.80	18.80	18.73	26.01	26.36	27.22				4.21	4.21	5.55	1.5m	4.17	15.5	80	<1							0	4	5		0	2	1	1	0		Nd	JG	JG	

Events of the Sea 2020 Water Quality Data - Site 4, Cold Spring Harbor, New York

	Date	Time	H2O Temp 10.0F - (0.5m)	H2O Temp 1.0 m	H2O Temp 0.5 m from BTM	Salinity 10.0F	Salinity 1.0 m	Salinity BTM	Ph Top	Ph 1.0 m	Ph 0 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly A.V.G.	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			11 Secchi to underwater NOT REQUIRED																																					
Site 4	7/20/2020	9:00AM		26.27	26.17	22.10	25.37	25.49	8.04	8.02	7.81	6.60	3.92	3.60	1.14	4.72	86.0		0	<1							0	4	5	8	1	4	1	2	0	No	120	RG	RG		
Site 4	8/3/2020	9:12AM		26.47	26.07	23.00	25.14	25.55	8.05	8.06	7.86	6.10	3.45	3.10	1.04	5.06	87.8		<1	<1							0	4	5	8	1	4	1	2	0	No	120	RG	RG		
Site 4	8/10/2020	9:15AM		26.27	26.07	23.00	25.36	25.55	7.95	7.95	7.85	5.97	3.50	3.10	1.04	5.06	86.0		<1	<1							0	4	5	8	0	4	1	1	0	No	120	RG	RG		
Site 4	8/19/2020	10:00AM		24.80	24.41	22.60	24.36	24.50	7.95	7.95	7.85	5.97	5.00	4.10	1.04	5.06	89.0		1	<1							0	3.4	5	8	0	4	1	1	0	No	120	RG	RG		
Site 4	8/24/2020	9:00am		23.47	23.76	20.50	23.46	23.90	7.95	7.95	7.85	5.90	5.00	4.00	1.04	5.06	77.0		1	<1							0	4	5	8	1	4	1	0	0	No	45	45	45		
Site 4	8/31/2020	9:00am		24.13	24.12	21.00	23.76	23.90	7.95	7.95	7.85	5.90	5.00	4.00	1.04	5.06	77.0		1	<1							0	4	5	8	1	4	1	0	1	No	45	45	45		
Site 4	9/21/2020	10:00am		24.73	24.12	21.00	21.12	21.12	Bonde is as not a sitting used backup		that does not have pH sensor		6.18	6.03	6.90	1.64	7.28	24.0		<1							1	4	5	8	4	1	1	0	1	No	45	45	45		
Site 4	9/28/2020	10:30am		24.45		23.00	21.00	21.07	Bonde is as not a sitting used backup		that does not have pH sensor		6.15	6.00	6.90	1.64	7.28	20.1		<1							1	4	5	8	4	1	0	1	0	No	45	45	45	Fish jumping, 2 ice trimers spotted in the distance off lone	a rib near yellow and orange Sailer. difficult to spot them
Site 4	9/30/2020	9:00am			Water Quality Monitoring Equip. Malfunction,	a sale temp, salinity, pH and DO		sent in for repair						Water Quality Monitoring Equip. Malfunction,	a sale temp, salinity, pH and DO		sent in for repair								0	4	5	8	0	1	0	1	0	No	45	45	45		
Site 4	9/21/2020	9:00am	19.91	19.85	19.85	21.00	21.12	21.23				6.08	6.05	6.40	1.64	6.94	14.2		0	<1																				
Site 4																			

Friends of the Bay 2020 Water Quality Data - Site 5, Pure 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	MAPHIBIAN NOT WORKING			WATER SAMPLE COLLECTED FOR DOH																MAKITA AMPHIBIAN NOT WORKING					0	2	5	6	1	2	0	1	1		Nd	Jd	Jd	
Site 5	7/20/2020	10:00AM	24.87	24.98	23.30	26.03	26.03	26.03	25.93	7.88	7.84	7.70	6.86	4.93	1.5m	13.19	29.4			1	0						0	2	5	6	1	2	1	2	0		LD	PJ	PJ	
Site 5	7/27/2020	11:01AM	25.81	25.10	24.52	26.20	26.20	26.20	26.20	7.83	7.80	7.79	6.86	6.63	1.0m	10.17	30.0			<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	4.51	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	23.49	26.25	26.25	26.25	7.98	7.93	7.85	6.05	4.92	4.15	1.5m	11.17	27.1			<1	<1						0	4	5	6	1	2	0	2	1		LD	PJ	PJ	
Site 5	8/17/2020	9:20AM	25.80	25.82	23.87	26.13	26.13	26.13	7.96	7.92	7.80	7.80	4.10	3.94	1.0m	11.11	23.1			<1	<1						0	4	5	6	1	4	0	2	1		Nd	Jd	Jd	
Site 5	8/24/2020	10:00am	25.80	24.95	24.59	27.03	27.17	27.17	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	Jd	Jd	
Site 5	8/31/2020	9:10am	24.17	24.16	23.93	27.06	27.06	27.27	27.27	Sonde was not working used backup ; that does not have pH sensor			5.35	6.44	0.75	1.7m	3.00	24.5		1	6						0	4	5	6	4	2	1	2	1		Nd	Jd	Jd	
Site 5	9/8/2020	10:23am	24.34	below depth - too low to take reading	24.03	27.24	27.24	27.20	Sonde was not working used backup ; that does not have pH sensor				6.30	shallow depth - too low to take reading	0.5m	1.8m	26.6			<1	1						0	4	5	6	3	1	1	2	0		Nd	Jd	Jd	school of fish jumping
Site 5	9/15/2020	9:40am		Water Quality Monitoring Equip. Malfunction,	jew temp, salinity, pH and DO		sent in for repair	27.20	Sonde was not working used backup ; that does not have pH sensor					Water Quality Monitoring Equip. Malfunction,	jew temp, salinity, pH and DO		sent in for repair			<1	<1						0	4	5	6	0	2	2	1	1		Nd	Jd	Jd	
Site 5	9/21/2020	9:40am	19.51	19.61	19.67	27.25	27.27	27.30	7.81	7.81	7.81	7.81	7.81	7.81	1.5m	9.38	18.5			2	<1						0	4	5	6	0	2	2	1	1		Nd	Jd	Jd	
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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	T A 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	11:45AM	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		get 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						22.2		5	2						0	1	5	6	3	8	2	3	2		kp	pj	pj	
Site 7	9/21/2020	tide too low /depth too shallow		tide too low /depth too shallow			tide too low /depth too shallow					tide too low /depth too shallow					tide too low /depth too shallow									tide too low /depth too shallow									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	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 (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	10:36AM	MANTA AMPHIBIAN NOT WORKING				FOR DEPT OF HEALTH								1.2m		35.3		27	<1						1	2	5	8	1	7	0		1	0		LD	PJ	PJ
Site 8	7/20/2020	12:05AM	0	26.53	25.14	24.52	25.50	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	8	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	8	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	8	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	8	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	30.1	8	7						2	4	5	8	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	8	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	8	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	8	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	8	3	8	2		3	2		kp	pj	pj
Site 8	9/21/2020	9:04AM		19.13	ode to tow to collect data for this depth	19.15	27.16	collect data for this depth	27.15	see note page			7.91	to collect data for this depth	7.94	1.6m	2.0	14.5	1	1						0	2	5	8	0	2	2		1	3		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	10:20am	10:20am-5 AMPHIBIANS NOT WORKING				TED FOR DEPT OF HEALTH									1.9m		27.1		8	<1						0	2	5	6	1	7	0	1	0		LG	PJ	PJ
Site 9	7/27/2020	9:15AM	25.36	25.36	24.45	24.38	26.11	26.73	7.68	7.69	7.63	6.12	5.08	5.08		3.0m	2.11	30.6	8	<1							0	2	5	6	1	6	1	2	0		LG	PJ	PJ
Site 9	7/27/2020	10:15AM	25.36	25.36	25.36	26.11	26.16	26.00	7.76	7.75	7.75	5.36	5.08	5.08		3.0m	2.10	30.6	8	<1							0	2	5	6	1	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	7.56	7.51	4.82	4.96	4.14		1.9m	0.56	27.92	8	2							0	2	5	6	1	7	1	1	1		LG	PJ	PJ
Site 9	8/3/2020	10:00AM	24.67	24.67	24.67	26.80	26.80	26.80	7.59	7.59	7.59	4.82	4.82	4.82		1.9m	0.55	27.92	8	2							0	2	5	6	1	NA	1	1	1		LG	PJ	PJ
Site 9	8/17/2020	8:30AM	23.55	23.06	23.55	28.31	28.37	28.60	7.50	7.50	7.50	5.17	4.97	5.04		1.9m	2.22	27.4	26	10							0	4	5	6	1	5	1	1	1		MS	PJ	PJ
Site 9	8/24/2020	10:00AM	25.30	depth too shallow	25.17	28.80	depth too shallow	25.84	7.62	depth too shallow	7.55	5.90	depth too shallow	6.85	1.6m	1.6m	1.80	29.5	2	<1							0	3	5	6	1	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	5.00	1.2m	1.2m	3.06	20.2	30	2							0	4	5	6	1	4	1	1	1		KP	PJ	PJ
Site 9	9/9/2020	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				1.1m	1.1m	2.10	24.2	4	<1							0	3	5	6	4	5	1	5	0		KM	JB	JB
Site 9	9/21/2020	8:15AM	Water Quality Monitoring Equip. Malfunctioning		see temp, salinity, pH and do		sent in for repair		Water Quality Monitoring Equip. Malfunctioning		ect data for water temp,			sent in for repair				Water Quality Monitoring Equip. Malfunctioning																					
Site 9	9/21/2020	8:35AM	16.00 ok to collect data for this depth			19.00	27.14 ok to collect data for this depth		21.70		see note page					1.9m		13.4	8	5																			
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		26.0		23	0							1	2	5	6	1	F	1	1	1	1		LG	PJ	PJ
Site 10	7/27/2020	8:15AM	25.5	25.5	24.75	25.24	25.24	25.42	7.78	7.75	7.69	9.73	9.45	4.85	1.0m	5.04	27.0		11	0							0	2	5	6	1	F	1	1	0		LG	PJ	PJ
Site 10	7/27/2020	8:50AM	25.67	25.27	25.08	25.36	26.01	26.16	7.76	7.78	7.70	9.31	9.02	8.65	1.4m	4.08	27.8		11	0							0	2	5	6	1	F	1	1	0		LG	PJ	PJ
Site 10	8/3/2020	8:46AM	26.73	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	8:44AM	25.67	24.95	24.85	26.38	26.41	26.70	7.67	7.67	7.58	5.41	5.55	5.56	1.0m	4.16	26.5		170	11							0	4	5	6	1	F	1	1	1		LG	PJ	PJ
Site 10	8/17/2020	8:34AM	25.67	24.95	24.87	25.97	26.07	26.70	7.62	7.61	7.48	5.61	5.57	5.56	1.0m	4.16	26.5		170	11							0	4	5	4.25m	1	F	1	1	1		LG	PJ	PJ
Site 10	8/24/2020	9:54am	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	R	1	1	2	1	Nat	JB	JB
Site 10	9/21/2020	9:35am	24.1	24.56	24.53	26.61	26.30	26.77	Sonde was not working used backup	that does not have pH sensor		6.37	6.26	6.36	1.2m	3.60	26.5		16	11							0	4	5	6	4	F	1	1	0	0	Nat	JB	JB
Site 10	9/8/2020	9:35am	24.15	24.10	24.10	26.77	26.62	26.96	Sonde was not working used backup	that does not have pH sensor		6.03	5.97	5.90	1.5m	4.22	27.1		6	<1							0	2	5	6	0	N	1	0	0	0	Nat	JB	JB
Site 10	9/15/2020	8:45AM	Water Quality Monitoring Equip. Malfunction	water temp, salinity, pH		sent in for	Water Quality Monitoring Equip. Malfunction	27.08	Sonde was not working used backup	that does not have pH sensor		Water Quality Monitoring Equip. Malfunction	water temp, salinity, pH and	6.90	sent in for	1.5m	3.94	13.5	34	26							0	2	5	6	0	F	1	1	1	1	MP	PJ	PJ
Site 10	9/21/2020	8:22AM	16.21	16.66	19.00	26.13	26.86	27.08	Sonde was not working used backup	that does not have pH sensor		7.87	7.90	7.91	1.3m	3.94	13.5																						
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	25.64	25.00	25.41	26.46	26.92	7.86	7.88	7.59	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		LIO	PJ	PJ
Site 11	7/27/2020	9:15AM	28.49	26.75	25.37	26.01	26.60	26.16	7.91	7.86	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		LIO	PJ	PJ
Site 11	8/3/2020	8:10AM	26.90	25.91	25.50	26.36	26.52	26.65	7.96	7.96	7.51	5.13	4.89	4.68	1.2m	3.16	27.3	<1	<1								0	4	5	8	2	7	1	2	1		LIO	PJ	PJ
Site 11	8/10/2020	8:30am	24.02	24.00	24.00	26.27	26.30	26.33	7.94	7.97	7.96	5.46	5.45	5.45	1.4m	4.04	19.6	0	<1								0	4	5	8	1	8	1	1	1		NJ	PJ	JB
Site 11	8/17/2020	07:30am	24.02	24.00	24.00	26.27	26.30	26.33	7.94	7.97	7.96	5.46	5.45	5.45	1.4m	4.04	18.9	0	<1								0	4	5	8	1	8	1	1	1		NJ	JB	JB
Site 11	8/24/2020	9:10am	25.67	25.42	25.23	26.63	26.65	26.66	7.76	7.72	7.65	7.35	7.18	7.01	1.0m	2.46	29.6	1	2								0	2	5	8	1	0	0	2	0		NJ	JB	JB
Site 11	9/21/2020	7:30am	24.46	24.47	24.44	26.72	26.73	26.73	Sonde was not working used backup	, that does not have pH sensor		4.45	6.50	6.59	1.0m	3.44	19.1	1	<1								1	2	5	8	1	0	1	0	0		NJ	JB	JB
Site 11	9/9/2020	8:45am	24.31	24.29	24.27	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	1	0	0	2	0		NJ	JB	JB
Site 11	9/14/2020	8:30AM	Water Quality Monitoring Equip. Malfunction			sent in for repair	Water Quality Monitoring Equip. Malfunction		Sonde was not working used backup	, that does not have pH sensor		Water Quality Monitoring Equip. Malfunction			sent in for repair												0	2	5	8	1	0	0	2	0		NJ	JB	JB
Site 11	9/21/2020	7:30AM	17.57	17.58	17.58	26.96	26.96	26.96	Sonde was not working used backup	, that does not have pH sensor		8.23	8.23	8.27	1.0m	2.82	13.2	<1	<1								0	2	5	8	0	2	0	1	0		KP	PJ	PJ
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																								1	2	5	8	1	7	1	1	5		LD	PJ	PJ	
Site 12	2/26/2020	11:37AM	26.32	27.94	28.32	WATER SAMPLE COLLECTED FOR DEPT OF HEALTH																					0	1	5	8	2	7	1	2	5		LD	PJ	PJ	
Site 12	7/21/2020	9:32AM	27.27	27.26	25.51	25.94	26.01	26.01	7.64	7.63	7.60	4.70	4.11	4.26	0.9m	2.00	30.5		1	<1							0	2	5	8	1	6	1	2	0		LD	PJ	PJ	
Site 12	8/3/2020	8:33AM	28.64	28.44	28.44	25.45	25.34	25.31	7.37	7.37	7.37	5.31	5.32	5.37	1.1m	2.00	27.4		15	8							0	4	5	8	3	8	1	1	0		LD	PJ	PJ	
Site 12	8/10/2020	9:08AM	26.32	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	8:15am	26.32	26.32	26.32	26.32	26.32	26.32	7.69	7.69	7.69	5.74	5.74	5.74	1.0m	1.97	27.8		<1	<1							0	2	5	8	0	7	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	26.86	7.62	depth too shallow	7.61	5.14	depth too shallow	5.20	0.5m	1.84	27.8		1	<1							0	2	5	8	1	4	1	2	0		NP	JB	JB	
Site 12	8/31/2020	8:10am	24.01	24.06	23.40	26.67	26.69	26.77	Scrote was not working used backup	that does not have pH sensor		5.84	5.74	5.10	0.7m	2.83	20.3		2	1							1	4	5	8	4	1	1	0	0		NP	JB	JB	
Site 12	9/7/2020	8:30am	24.20	24.19	24.19	26.70	26.70	26.70	Scrote was not working used backup	that does not have pH sensor		5.75	5.75	5.75	0.7m	2.75	21.8		2	<1							0	4	5	8	3	6	1	0	0		NP	JB	JB	Seagulls feeding on fish school
Site 12	9/14/2020	8:35am	Water Quality Monitoring Equip. Malfunction	temp, salinity, pH and DO		sent in for repair	Water Quality Monitoring Equip. Malfunction		only the water temp, salinity, pH and DO			Water Quality Monitoring Equip. Malfunction		sent in for repair					<1	<1							0	4	5	8	3	6	1	0	0		NP	JB	JB	
Site 12	9/21/2020	8:01AM	17.20	17.20	17.21	28.97	28.96	28.96	Scrote was not working used backup	that does not have pH sensor		8.03	8.04	8.10	1.3m	1.97	12.7		2	2							0	2	5	8	0	2	2	1	2		KP	PJ	PJ	
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	HAV Jump M HAPPY	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	7/1/2020	8:10am	25.41	24.96	24.6	24.64	25.41	25.50	7.52	7.58	7.57	5.20	5.20	4.95	1.0m	2.73	28.8	NO SPECIMEN COLLECTED MOTOR PROBLEM									1	2	5	6	1	6	1	1	1		LD	PJ	PJ
Site 13	7/20/2020	8:14AM	26.41	26.33	26.17	24.97	25.93	26.10	7.56	7.53	7.49	4.58	4.51	4.14	0.9m	2.43	30.6		49	13							0	4	5	6	2	6	0	2	0		LD	PJ	PJ
Site 13	7/27/20	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		LD	PJ	PJ
Site 13	8/3/20	12:34PM	26.48	26.47	26.46	25.50	26.57	26.58	7.70	7.70	7.67	5.98	5.98	5.98	1.0m	4.11	36.1		3	<1							0	1	5	6	4	6	1	1	1		LD	PJ	PJ
Site 13	8/10/20	8:14AM	25.55	25.47	25.42	25.50	26.23	26.19	7.49	7.50	7.50	4.95	4.95	4.97	0.7m	2.5	28.8		11	<1							0	2	5	6	1	N/A	0	2	0		LD	PJ	PJ
Site 13	8/17/20	11:06am	24.78	24.30	24.04	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	6	0	1	1		MJ	JE	JI
Site 13	8/24/20	8:35am	25.46	25.46	25.46	26.01	26.05	26.11	7.32	7.33	7.33	4.45	4.52	4.64	0.8m	2.37	27.7		55	21							0	2	5	6	1	4	1	2	0		MJ	JE	JI
Site 13	8/31/20	12:22pm	24.42	24.40	24.34	26.75	26.75	26.75	Sonde was not working used backup	that does not have pH sensor		6.24	6.13	6.28	0.9m	4.27	22.0		10	1							1	4	5	6	4	2	2	3	1		MJ	JE	JI
Site 13	9/8/20	8:10am	23.74	23.72	23.72	25.71	25.77	25.81	Sonde was not working used backup	that does not have pH sensor		4.45	4.41	4.50	0.7m	2.86	21.8		14	1							0	2	5	6	1	7	1	1	0		MJ	JE	JI
Site 13	9/14/20	7:44am	Water Quality Monitoring Equip. Malfunction,	later temp, salinity, pH and DO	sent in for repair		Water Quality Monitoring Equip. Malfunction,		to collect data for water temp, salinity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfunction,		sent in for repair		21.5		8	8							0	4	5	6	3	6	2	3	2		MJ	JE	JI
Site 13	9/21/20	11:22AM	Wind and Tide too strong to hold position – unable to use sonde			Wind and Tide too strong to hold position – unable to use sonde				Wind and Tide too strong to hold position – unable to use sonde							15.6		42	5							0	4	5	6	6	2	2	1	2		KP	PJ	PJ

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																					
Site 14	7/15/2020	7:00am	25.00		25.00	25.00	25.00	25.00	24.95	7.25	N/A	7.25	2.96	N/A	3.15	0.7m	1.14	28.2		46	6						0	4	5	6	4	7	1	3	0		LiD	PJ	PJ	
Site 14	7/31/2020	8:38AM	26.88		26.88	26.88	25.16	25.22	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	27.12		26.03	25.30	25.30	25.75	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	7:00am	25.75		25.75	25.75	25.75	25.75	7.85	7.85	7.55	5.55	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	7:47am	25.40		25.40	25.40	25.40	25.40	7.90	7.87	7.53	5.30	4.50	3.97	0.2m	1.95	26.2		4	+1						0	2	5	6	1	6	1	1	1		LiD	PJ	PJ	
Site 14	8/24/2020	7:51am	25.38		25.38	25.50	25.60	25.80	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		NM	JB	JB	
Site 14	8/31/2020	n/a			BOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME TO SET TO ALL 19 STATIONS DUE TO SPEED LIMITATIONS																					0	2	5	6	1	0	0	1	0		NM	JB	JB	
Site 14	9/8/2020	7:15am	23.00		23.00	25.75	25.75	25.75	Sonde was not working used backup		that does not have pH sensor		4.46	4.46	0.9m	1.38	23.0		12	1						0	2	5	6	1	0	0	1	0		NM	JB	JB	
Site 14	9/15/2020	7:00am	Water Quality Monitoring Equip. Malfunction		later temp, salinity, pH and DO	sent in for 25.75	Water Quality Monitoring Equip. Malfunction		Sonde was not working used backup		that does not have pH sensor		Water Quality Monitoring Equip. Malfunction		later temp, salinity, pH and DO	sent in for 0.9m	1.38	23.0		12	1						0	2	5	6	1	0	0	1	0		NM	JB	JB	
Site 14	9/21/2020	11:15AM	16.00		16.01	15.90	25.72	25.71	20.60	Sonde was not working used backup	that does not have pH sensor		7.07	7.11	7.00	1.0m	2.15	15.60		150	P1						0	4	5	6	0	2	2	1	2		MP	PJ	PJ	Terrapin sightings
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 3.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph 3.5 m from BTM	Top DO	DO 1.0 m	BTM DO	Recchi (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											0.1m	26.9		51	10							1	1	5	6	2	NW	1	1	0		LG	PJ	PJ
Site 15	7/27/2020		TIDE TOO LOW																																		LG	PJ	PJ
Site 15	7/27/2020	7:55AM	27.77		TOO SHALLOW	27.22	25.10	TOO SHALLOW	25.40	7.46	TOO SHALLOW	7.47	4.72	TOO SHALLOW	4.72	0.8m	1.36	30.5	130	26							0	2	5	6	2	NA	0	2	0		LG	PJ	PJ
Site 15	8/3/2020	11:59AM	27.76		27.55	27.22	24.84	25.00	25.08	7.51	7.56	7.59	5.24	5.44	5.54	0.8m	2.22	32.6	80	1							0	4	5	6	0	2	1	1	1		LG	PJ	PJ
Site 15	8/10/2020		TIDE TOO LOW				TIDE TOO LOW			TIDE TOO LOW																	2	2	5	6	1	8	1	1	1		MP	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	4.79	4.85	4.97	0.8m	2.14	34.1	780	51							2	2	5	6	1	8	1	1	1		MP	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																									LT	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																																	MP	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	9/15/2020	tide too low (depth too shallow		Water Quality Monitoring Equip. Malfunction,	jaw temp, salinity, pH and DO	tide too low (depth too shallow		Water Quality Monitoring Equip. Malfunction,	jaw temp, salinity, pH and DO	tide too low (depth too shallow						0											0	4	5	6	0	8	2	3	2		TP	PJ	PJ
Site 15	9/21/2020	tide too low (depth too shallow				tide too low (depth too shallow				tide too low (depth too shallow			Water Quality Monitoring Equip. Malfunction,	jaw temp, salinity, pH and DO	sent in for repair			21.5							tide too low (depth too shallow						tide too low (depth too shallow						MP	PJ	PJ
Site 15																																						

Friends of the Bay 2020 Water Quality Data - Site 16, 588 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 (NO3)	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	25.90	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	6	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	7.81	7.80	5.67	5.45	5.48	0.9m	2.33	30.4	36	>1							0	1	5	6	0	0	1	1	0	LJC	PJ	PJ
Site 16	8/17/2020		TIDE TOO LOW				TIDE TOO LOW																			0	2	5	6	1	0	1	1	1	NC	JB	JB
Site 16	8/17/2020	11:41AM	23.96	23.93	23.93	25.50	26.21	26.20	7.53	7.54	7.56	5.56	5.66	5.67	0.9m	2.10	23.5	260	7							0	2	5	6	1	0	1	1	1	NC	JB	JB
Site 16	8/24/2020	DEPTH TOO SHALLOW				DEPTH TOO SHALLOW						DEPTH TOO SHALLOW					DEPTH TOO SHALLOW																			TM	PJ	PJ
Site 16	8/31/2020	no	DOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME	TO GET TO ALL 19 STATIONS DUE TO SPEED LIMITATIONS																																	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													NC	JB	JB
Site 16	9/14/2020	tide too low (depth too shallow		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				tide too low (depth too shallow							0	4	5	5	0	0		2		KP	PJ	PJ
Site 16	9/21/2020	tide too low (depth too shallow			tide too low (depth too shallow					tide too low (depth too shallow						tide too low (depth too shallow		21.6		tide too low (depth too shallow					tide too low (depth too shallow								tide too low (depth too shallow							
Site 16																															

Friends of the Sea 2008 Water Quality Data - Site 17, The Bluffs, ESF

	Date	Time	DO Temp TOP (0.5m)	DO Temp 1.0 m	ND 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	BTMDO	Secchi	Depth (meters)	Air Temp	HDO Temp BTM monthly AVG	Fecal Coliform Bacteria	Dissolved O	Ammonia (NH3)	Nitrite (NO2)	Nitrate (NO3)	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 17	5/12/2008																																							
Site 17	7/24/2008																										0	1	0	0	0	2	1	0	2	0		13	#2	#2
Site 17	8/14/2008																										0	1	0	0	0	2	1	0	2	0		13	#2	#2
Site 17	9/11/2008	8:23AM				28.80	DEPTH TOO LOW		25.00	DEPTH TOO LOW		7.25	DEPTH TOO LOW		3.70	0.490	0.61	28.8		0							0	1	0	0	0	2	1	0	2	0		13	#2	#2
Site 17	10/14/2008						DEPTH TOO LOW												NO SPECIMEN COLLECTED																					
Site 17	8/19/2009							TIDE TOO LOW																			0	0												
Site 17	9/16/2009						TOO SHALLOW	too shallow, to collect data											too shallow, to collect sample																					
Site 17	8/24/2010						DEPTH TOO LOW	DEPTH TOO LOW											too shallow, to collect sample																					
Site 17	8/31/2010	2:00			1.3 feet depth Sonar reading on boat							DEPTH TOO LOW																												
Site 17	8/31/2010		BOAT ENGINE BREAK IN PROGRESS NOT ENOUGH TIME			TO GET TO ALL 10 STATIONS DUE TO SPEED LIMITATIONS								DEPTH TOO LOW																										
Site 17	9/14/2010	too low tide - depth too shallow		unable to get data or sample			too low - depth too shallow		unable to get data or sample		too low - depth too shallow		unable to get data or sample		too low - depth too shallow	unable to get data or sample										too low - depth too shallow		unable to get data or sample			too low - depth too shallow		unable to get data or sample						#2	#2	Mike Tech pumping
Site 17	8/14/2020	too low - depth too shallow			Water Quality Monitoring Equip. Malfunction		sent to for repair	Water Quality Monitoring Equip. Malfunction	water temp, salinity, pH and DO	sent to for repair	too low - depth too shallow		Water Quality Monitoring Equip. Malfunction	water temp, salinity, pH and DO	sent to for repair		21.6		30	NO								too low - depth too shallow													#2	#2	
Site 17	8/21/2020	too low too - depth too shallow			too to collect data for a also temp, salinity, pH and DO		too low too - depth too shallow				too low too - depth too shallow					too low too - depth too shallow				too low too - depth too shallow								too low too - depth too shallow												#2	#2	
Site 17																																						

Friends of the Bay **2020** Water Quality Data - Site 18, NB Nova Cove

	Date	Time	CNR Temp TOP (0.5m)	DO Temp 0.5 m	DO Temp 0.5 m from BTM	Salinity TOP	Salinity 0.5 m	Salinity BTM	Phi Top	Phi 0.5 m	Phi 0.5 m from BTM	Top DO	DO 0.5	BTM DO	Secchi (m)	Pond Depth (meters)	Air Temp	VSS Temp BTM	Turbidity A-U3	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	Capture	Sampling Leader	Notes
Site 18	1/21/2020	9:00AM	SKIPPED BECAUSE NO SAMPLE COLLECTED FOR DEPT OF HEALTH																																					
Site 18	2/25/2020	10:00AM	TIDE TOO LOW																																					
Site 18	3/31/2020	9:00AM	25.15	26.08	22.95		26.08		25.94		7.85	7.71	7.72	6.38	6.37	6.37	0.9m	1.27	21.8	SAMPLE BOTTLE BROKE AND CRACKED DUE TO EXTREME HEAT 100+ DEGREES								0	2	1	0	0	1	2	0	LG	PJ	PJ
Site 18	4/14/2020	9:00AM	26.41	26.41	26.41		26.41		26.41		7.79	7.79	7.79	7.79	7.79	7.79	1.8m	1.65	23.6	0	-							0	2	1	0	0	1	1	0	LG	PJ	PJ
Site 18	5/19/2020	9:00AM	25.44	NA	25.39		NA		25.39		7.59	NA	7.57	5.70	NA	5.67	1.8m	1.65	28.6	0	-							0	2	1	0	0	1	1	0	LG	PJ	PJ
Site 18	6/16/2020	9:00AM	25.73	25.45	25.35		25.45		25.37		7.59	7.49	7.49	5.59	5.58	5.58	1.8m	2.05	25.2	10	-							0	2	1	0	0	1	1	0	LG	PJ	PJ
Site 18	7/14/2020	1:00pm	25.73	25.41	25.35	DEPTH TOO SHALLOW	25.35	DEPTH TOO SHALLOW	25.35	DEPTH TOO SHALLOW	7.59	7.49	7.49	5.59	5.58	5.58	1.8m	2.05	25.2	10	-							0	2	1	0	0	1	1	0	NA	PJ	PJ
Site 18	8/31/2020	12:15PM	26.40	24.92	24.36		26.40		25.91	Sonde is as not is sitting used backup				6.80	6.66	6.72	1.1m	3.05	26.4	0	-							0	4	1	0	4	0	1	1	0	NA	JB	JB
Site 18	9/14/2020	2:30pm	26.16	No only - depth too shallow to take other readings			No only - depth too shallow to take other readings			Sonde is as not is sitting used backup				6.96	depth too shallow to take other readings		1.1m	1.75	21.1	0	-							0	4	1	0	0	0	2	1	0	NA	JB	JB
Site 18	10/26/2020	9:00AM		Water Quality Monitoring Equip. Malfunction, unable to take temp, salinity, pH and DO			sent in for repairs		Water Quality Monitoring Equip. Malfunction, unable to take temp, salinity, pH and DO	Sonde is as not is sitting used backup				Water Quality Monitoring Equip. Malfunction, unable to take temp, salinity, pH and DO		sent in for repairs			30	0	-							0	4	1	0	0	2	1	1	0	NA	JB	JB
Site 18	9/21/2020	11:00AM	17.34	17.34	17.07		26.62		26.64	Sonde is as not is sitting used backup			8.54		8.54	7.8m	2.10	15.0	30	0	-							0	4	1	0	0	2	2	1	1	NA	PJ	PJ
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	8	1	1	0		NC	PJ	PJ
Site 19		7/27/2020	12:45PM	27.60	27.40	26.40	25.82	25.82	26.92	7.86	7.85	7.17	7.27	6.98	3.85	0.7m	3.7	32.5	SAMPLE BOTTLE DROPPED AND CRACKED DUE TO EXTREME HEAT 100+ DEGREES	<=							0	3	5	5	0	7	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	<=							0	2	5	4	0	7	1	1	1		LD	PJ	PJ
Site 19		8/17/2020	12:14pm	28.94	28.94	26.35	26.37	26.37	26.28	7.97	7.98	7.57	6.02	5.74	4.68	0.9m	4.8	34.1	2	<=							0	2	5	4	0	8	1	1	1		NC	PJ	PJ
Site 19		8/31/2020	12:14pm	26.94	26.94	24.55	26.37	26.37	26.05	7.97	7.98	7.57	6.02	5.74	5.68	1.1m	4.66	24.0	13	<=							0	2	5	4	0	8	1	1	1		NC	JC	JC
Site 19		6/24/2020	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	7:45am	24.50	24.44	24.90	26.30	26.33	26.42	Sonde was not working used backup		that does not have pH sensor		5.34	5.21	0.8m	4.15	19.4	10	<=							1	4	5	5	5	2	1	2	0		NC	JC	JC
Site 19		9/8/2020	12:26pm	26.00	25.94	24.40	26.55	26.61	26.82	Sonde was not working used backup		that does not have pH sensor		6.33	6.06	0.5m	1.100	4.91	26.1	<=							0	4	5	4	0	2	1	2	0		NC	JC	JC
Site 19		9/21/2020	11:45AM	17.00	Water Quality Monitoring Equip. Malfunction - water temp, salinity, pH sent in for repair		17.54	26.71	26.74	Sonde was not working used backup		that does not have pH sensor		Water Quality Monitoring Equip. Malfunction - water temp, salinity, pH sent in for repair		0.6m	4.87	16.0	10	<=							0	4	5	4	0	2	1	1	1		MT	PJ	PJ
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