	Friends of the Bay 2020 Water Quality Data - Site 1, Cold Spring Cove South																																				
	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	Secchi	Floor Depth (meters)	Air Temp (°C)	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate NO3	Nitrite (NO2)	Total Kjeldahl Nitrog	Organic Nitrogen (N)	Total Nitrogen	Rainfall in	Tidal Stage	Water Color	Surface Conv	Cloud Cov	Wind DIR	Wind SPE	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 1	7/13/2020	12:12pm	MANTA AMPHIBIAN HANDHELD AND SENSOR NOT WORKING - WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												1.1m		29.1		107	<1							1	2	5	6	3	2	1	2	0		kp	pj	pj
Site 1	7/20/2020	11:19AM	25.90	24.79	23.48	24.03	24.38	25.46	8.07	7.92	7.42	6.06	4.68	3.51	0.9m	5.87	34.1		65	<1							0	4	5	6	1	1	1	2	0		LD	PJ	pj
Site 1	7/27/2020	11:54AM	26.33	26.38	24.22	24.31	24.35	25.71	8.04	8.03	7.23	7.23	5.05	2.68	0.8m	3.64	32.4	ACKED DUE TO EXTREME HEAT 100+ DEGREES								0	3	1	6	1	8	1	2	0		LD	PJ	PJ
Site 1	8/3/2020	10:33AM	24.41	24.25	23.09	24.81	25.03	25.97	7.63	7.62	7.37	4.91	3.92	3.20	1.3m	5.85	32.0		46	2							0	4	5	6	0	7	1	1	0		LD	PJ	PJ
Site 1	8/10/2020	11:37AM	25.32	23.85	23.42	24.89	25.81	26.50	7.73	7.26	7.12	3.50	2.91	3.59	1.2m	4.15	28.4		15	<1							0	4	5	4	1	1	1	2	0		LD	PJ	PJ
Site 1	8/17/2020	10:21am	22.82	23.19	23.34	22.52	24.87	26.09	7.51	7.43	7.33	3.59	3.03	3.31	1.2	5.9	22.7		180	11							2	1	5	6	1	8	1	1	1		kp	pj	pj
Site 1	8/24/2020	11:52am	25.07	24.58	24.20	24.76	26.12	26.70	7.47	7.49	7.23	4.41	3.90	3.40	1.1	3.89	31.9		27	1							0	4	5	ools)	1	8	1	2	1		kp	pj	pj
Site 1	8/31/2020	10:46am	23.44	24.32	24.47	24.21	25.37	26.53	ing used backup	t have pH sensor	NA	6.14	5.95	6.18	1.0M	5.99	23.2		30	12							1	4	5	6	4	0	0	3	0		kp	pj	pj
Site 1	9/8/2020	11:21am	24.14	24.00	24.01	25.90	26.24	26.99	ing used backup	t have pH sensor		4.08	3.75	3.91	1.1m	4.53	27.2		3	<1							0	4	5	d fish	2	1	1	2	1		kp	pj	pj
Site 1	9/14/2020	9:32am	onitoring Equip. Malfunction,	ilinity, pH and DO	sent in for repair	ality Monitoring Equip. Malfunction,		ilinity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction, ilinity, pH and DO				sent in for repair			22.6		34	7							0	1	5	6	4	8	2	3	2		kp	pj	pj
Site 1	9/21/2020	10:30am	17.52	17.51	19.26	24.89	24.86	26.26				7.55	7.02	6.82	0.9M	3.69	16.0		290	3							0	4	5	6	0	2	2	1	1		kp	pj	pj
Site 1	9/28/2020		short on time	short on time	short on time																																
Site 1	10/5/2020	9:50 am	18.34	18.36	19.73	24.79	24.85	26.49		broken		7.34	7.13	7.29	1.1	4.30	16.1		86	6							0	4	5	6	4	3	1	3	1		PJ	PJ	PJ
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Friends of the Bay 2020 Water Quality Data **- Site 2, Cold Spring Cove North**

	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 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
Site 2	7/13/2020	12:00pm	ELD FROZEN	WATER SAMPLE COLLECTED FOR DEPT OF HEALTH										
Site 2	7/20/2020	10:54am	24.81	24.77	23.40	24.96	24.99	25.46	7.90	7.89	7.43	5.86	5.11	3.16
Site 2	7/27/2020	11:40AM	25.97	25.69	24.33	24.30	4.38	25.66	8.04	7.98	7.30	7.43	5.1	2.68
Site 2	8/3/2020	10:21AM	24.21	24.15	23.54	24.57	25.29	25.47	7.55	7.58	7.41	4.42	3.65	3.70
Site 2	8/10/2020	11:24AM	24.099	23.77	23.00	25.49	25.69	26.76	7.56	7.46	7.19	3.58	2.73	1.89
Site 2	8/17/2020	10:09am	23.52	23.20	23.17	25.00	25.23	25.85	7.55	7.60	7.35	5.24	4.28	4.08
Site 2	8/24/2020	11:41am	24.85	24.18	24.13	25.61	26.14	26.91	7.35	7.34	7.34	3.85	3.76	3.94
Site 2	8/31/2020	10:34am	24.09	24.07	24.56	25.90	26.01	26.71	g used backup	ave pH sensor	NA	6.14	6.12	6.32
Site 2	9/8/2020	11:06am	23.84	23.89	23.96	25.94	26.51	27.25	g used backup	ave pH sensor		3.89	3.87	3.76
Site 2	9/14/2020	9:27am	o. Malfunction,	for water temp, salinity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality Monitoring Equip. Malfunction,			ity, pH and DO	ent in for repair
Site 2	9/21/2020	10:19am	18.72	18.82	19.14	25.35	25.61	26.05				7.93	7.85	7.87
Site 2	9/28/2020	12:05 pm	24.1	anchor malfunction										
Site 2	10/5/2020	9:39 am	19.41	19.43	19.81	25.86	25.87	26.87		broken		7.17	7.21	7.44
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Date	Secchi (meters)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Total Kjeldahl Nitrogen	Organic Nitrogen (N)	Total Nitrogen
7/13/2020	.9m		29.5		119	<1						
7/20/2020	0.9m	7.10	35.1		120	<1						
7/27/2020	0.9m	3.19	35.5		54	1						
8/3/2020	1.4m	3.45	28.3		26	1						
8/10/2020	1.2m	5.17	31.6		17	3						
8/17/2020	1	3.80	22.4		68	2						
8/24/2020	1.1	5.35	35.9		32	<1						
8/31/2020	1.0m	7.25	23.4		10	1						
9/8/2020	1.4m	6.45	27.9		8	<1						
9/14/2020			22.7		29	<1						
9/21/2020	1.1M	2.66	15.7		220	2						
9/28/2020					210	7						
10/5/2020	1.1	6.63	15.3		22	3						

Date	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
7/13/2020	1	1	5	6	3	2	1	1	0		KP	PJ	pj
7/20/2020	0	4	5	2	1	8	1	2	0		LD	PJ	PJ
7/27/2020	0	3	5	6	1	8	1	2	0		LD	PJ	PJ
8/3/2020	0	4	5	6	1	7	1	1	1		LD	PJ	PJ
8/10/2020	0	4	5	6	1	7	1	2	0		LD	PJ	PJ
8/17/2020	2	4	5	6	1	8	1	1	1		kp	pj	pj
8/24/2020	0	4	5	6	1	1	1	2	0		kp	pj	pj
8/31/2020	1	4	5	6	4	3	1	3	1		kp	pj	pj
9/8/2020	0	4	5	horeline	2	1	1	2	1		kp	pj	pj
9/14/2020	0	1	5	6	4	8	2	3	3		kp	pj	pj
9/21/2020	0	4	5	6	0	2	1	1	1		kp	pj	pj
9/28/2020	12	2	5	6	4	4	1	3	1		es	pj	pj
10/5/2020	0	4	5	3	4	2	1	3	1		kp	PJ	PJ

	Friends of the Bay 2020 Water Quality Data - Site 3, Cold Spring Harbor South																																							
	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 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 AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	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 Lead	Notes	
Site 3	7/13/2020	11:46AM	OT WORKING	AMPLE COLLECTED FOR DEPT OF HEALTH											1.1m		27.2		36.0	<1						1	2	5	6	2	8	1	1	1		kp	pj	pj		
Site 3	7/20/2020	10:08AM	24.76	24.14	23.27	25.02	25.49	25.56	7.88	7.81	7.40	5.80	4.34	2.55	1.1m	6.35	31.2		36	<1						0	4	5	6	1	8	1	2	0		LD	PJ	PJ		
Site 3	7/27/2020	11:27AM	25.52	25.46	23.87	25.42	25.49	26.23	7.79	7.79	7.33	5.12	4.23	2.33	0.9m	4.41	32.5		31	2						0	3	5	6	1	2	1	2	1		LD	PJ	PJ		
Site 3	8/3/2020	10:07AM	23.87	23.84	21.88	25.76	25.86	26.28	7.64	7.63	7.35	4.84	4.25	2.28	1.6m	6.29	27.6		6	<1						0	4	5	6	1	7	1	1	0		LD	PJ	PJ		
Site 3	8/10/2020	11:09AM	24.31	24.15	22.99	26.33	26.54	26.80	7.60	7.61	7.29	5.15	4.20	3.26	1.2m	4.75	30.2		8	<1						0	3	5	4	1	0	0	1	0		LD	PJ	PJ		
Site 3	8/17/2020	9:59am	23.15	23.08	23.14	25.95	25.94	26.63	7.63	7.61	7.60	5.50	5.22	5.29	1.2m	6.89	23.5		16	1						2	4	5	6	1	0	0	1	1		kp	pj	pj		
Site 3	8/24/2020	11:28am	25.00	24.73	24.09	26.69	26.64	27.15	7.48	7.46	7.37	4.55	4.02	4.15	1.2m	4.49	27.7		11	1						0	4	5	6	1	8	1	2	1		kp	pj	pj		
Site 3	8/31/2020	10:22am	24.08	24.25	24.50	26.05	26.32	26.77	g used backup	ave pH sensor	na	6.73	6.50	6.50	1.0m	6.57	24.2		4	2						1	4	5	6	4	2	1	3	1		kp	pj	pj	one dead fish	
Site 3	9/8/2020	10:54am	24.14	24.08	23.93	26.83	26.82	27.29	g used backup	ave pH sensor		4.54	4.30	4.33	1.5m	5.17	24.7		6	<1						0	4	5	m on shoreline	3	1	1	2	1		kp	pj	pj	6- Sea foam on shoreline	
Site 3	9/14/2020	9:23am	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair		22.3		9	<1						0	1	5	6	3	8	2	3	4		kp	pj	pj		
Site 3	9/21/2020	10:06am	18.95	18.95	19.73	26.31	26.92	27.03				8.31	8.21	8.18	1.5m	4.77	15.3		56	1						0	4	5	6	0	2	1	1	3		kp	pj	pj		
Site 3	9/28/2020	11;57am	20.56	20.54	20.20	27.15	27.15	27.35	de not working	de not working	de not working	8.43	7.76	7.89	1.55m	6.47	23.0		48	<1						1	2	5	6	4	4	1	3	1		es	PJ	PJ		
Site 3	10/5/2020	9:28 AM	19.43	19.45	19.86	26.56	26.59	27.18		broken		7.76	7.49	7.60	1.2m	4.93	16.2		14.0	1						0	4	5	6	4	2	1	3	1		kp	PJ	PJ		
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	Date	Time	H20 Temp TOP (0.5m)	H2O 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 AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH	Nitrate (NO3)	Nitrite (NO2)	Organic Nitroge	Total Nitroge	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	
	Friends of the Bay 2020 Water Quality Data - Site 4, Cold Spring Harbor North																																							
Site 4	7/13/2020	11:34am	OT WORKING		WATER SAMPLE COLLECTED FOR DOH										2m		27.7		1	<1						1	2	5	6	2	2	1	1	0		kp	pj	pj		
Site 4	7/20/2020	9:54AM	25.27	25.17	22.70	25.37	25.49	25.87	8.04	8.02	7.61	6.65	5.92	3.99	1.1m	6.73	36.2		5	1						0	4	5	6	1	6	1	2	0		LD	PJ	PJ		
Site 4	7/27/2020	11:13AM	26.07	26.07	23.39	26.14	26.09	26.53	8.06	8.06	7.48	8.70	7.34	4.10	1.3m	5.00	31.3		<1	<1						0	3	5	6	1	6	1	2	0		LD	PJ	PJ		
Site 4	8/3/2020	9:56AM	24.29	24.25	21.82	25.84	26.02	26.38	7.71	7.70	7.36	5.18	4.42	2.66	1.8m	6.89	30.9		1	<1						0	4	5	6	1	7	1	1	1		LD	PJ	PJ		
Site 4	8/10/2020	10:56AM	24.85	24.41	22.63	26.36	26.50	27.01	7.83	7.75	7.40	5.97	5.26	4.15	1.2m	5.58	28.0		1	1						0	3-4	5	6	0	5	1	1	0		LD	PJ	PJ		
Site 4	8/17/2020	9:45am	22.97	22.74	22.50	26.81	26.86	26.97	7.54	7.51	7.48	3.99	3.92	4.03	1.9m	7.72	21.6		5	1						2	4	5	6	1	8	1	1	1		kp	pj	pj		
Site 4	8/24/2020	11:10am	25.50	24.79	26.33	26.88	27.06	27.32	7.83	7.75	7.58	7.10	6.56	6.06	1.1m	5.15	28.8		3	<1						0	4	5	6	1	8	1	2	1		kp	pj	pj		
Site 4	8/31/2020	10:05am	24.13	24.13	24.12	27.20	27.12	27.13	g used backup	have pH sensor		6.18	6.23	6.36	1.4m	7.28	24.4		2	<1						1	4	5	6	4	2	1	3	1		kp	pj	pj		
Site 4	9/8/2020	`10:36am	24.25	24.23	23.63	27.06	27.07	27.66	g used backup	have pH sensor		6.15	5.58	5.71	1.3m	5.69	26.1		1	<1						0	4	5	6	4	1	1	3	1		kp	pj	pj	e off bow	pot them
Site 4	9/14/2020	9:16am	Water Quality	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	22.4		<1	1						0	1	5	6	3	8	2	3	5		kp	pj	pj		
Site 4	9/21/2020	9:55am	19.31	19.32	19.65	27.09	27.12	27.23				8.58	8.39	8.40	1.3m	5.54	14.2		3	<1						0	4	5	6	0	2	2	1	3		kp	pj	pj		
Site 4	9/28/2020	11:43am	20.75	20.76	20.60	27.43	27.47	27.64	as not working	as not working	as not working	9.0	8.70	8.17	2	7.21	22.9		2	<1						1	2	5	6	4	4	2	3	2		es	PJ	PJ		
Site 4	10/502020	9:12 am	19.35	19.36	19.9	26.96	26.96	27.43		broken		8.26	7.90	7.836	1.6	5.53	15.7		3	<1						0	4	5	6	4	2	1	3	1		kp	PJ	PJ		
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	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	Amm	Nitrat	Nitrite	Orga	Total	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader	Notes		
Site 5	7/13/2020	11:26am	IOT WORKING		WATER SAMPLE COLLECTED FOR DOH										1.6m		30.4		1	3	RKING					1	2	5	6	1	2	0	1	1		kp	pj	pj			
Site 5	7/20/2020	9:33AM	24.95	24.56	23.30	25.48	25.52	25.92	7.98	7.94	7.70	6.86	6.16	4.93	1.5m	13.19	32.2		1	1						0	4	5	6	3	6	1	2	0		LD	PJ	PJ			
Site 5	7/27/2020	11:01AM	25.67	25.10	24.52	26.20	26.29	26.35	7.85	7.85	7.79	6.86	6.63	6.27	1.0m	10.17	35.0		<1	<1						0	2	5	6	1	7	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	7.55	7.47	4.5	4.34	3.86	1.7m	12.42	26.9		3	1						0	4	5	6	1	7	1	1	1		LD	PJ	PJ			
Site 5	8/10/2020	10:26AM	24.83	24.59	23.46	26.73	26.69	26.94	7.74	7.71	7.48	6.55	5.70	4.80	1.6m	10.11	33.3		<1	<1						0	2	5	6	0	4	1	1	0		LD	PJ	PJ			
Site 5	8/17/2020	9:30am	23.00	22.82	22.48	26.73	26.77	26.92	7.58	7.55	7.50	4.47	4.32	4.15	2.3m	11.6	21.1		2	1						2	4	5	6	1	8	2	2	1		kp	pj	pj			
Site 5	8/24/2020	10:55am	25.60	24.85	24.59	27.23	27.17	27.27	7.78	7.63	7.57	6.91	6.44	6.16	1.4m	10.54	32.7		<1	<1						0	4	5	6	1	8	1	2	1		kp	pj	pj			
Site 5	8/31/2020	9:52am	24.17	24.16	23.93	27.09	27.08	27.07	g used backup	ıave pH sensor		6.26	6.44	6.78	1.7m	3.00	24.5		1	8						1	4	5	6	4	2	1	3	0		kp	pj	pj			
Site 5	9/8/2020	10:22am	24.04	to take reading	24.03	27.24	to take reading	27.25	g used backup	ıave pH sensor		6.30	to take reading	6.58	1.0m	1.86	26.6		<1	1						0	4	5	6	2	1	1	2	0		kp	pj	pj	school of fish jumping		
Site 5	9/14/2020	9:10am	Water Quality	Monitoring Equip. Malfunction,		ıity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ıity, pH and DO	ent in for repair	Water Quality	Monitoring Equip. Malfunction,		ıity, pH and DO	ent in for repair	22.6		1	1						0	1	5	6	3	8	2	3	2		kp	pj	pj			
Site 5	9/21/2020	9:40am	19.51	19.61	19.67	27.26	27.27	27.32				7.81	7.83	7.87	1.8m	9.38	14.3		2	<1						0	4	5	6	0	2	2	1	3		kp	pj	pj			
Site 5	9/28/2020	11:33am	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks	close to rocks		2	<1						1	2	5	6	4	4	1	2	1		es	PJ	PJ	anchor not holding		
Site 5	10/5/2020	8:58 am	19.57	19.51	19.18	27.23	27.24	27.30		broken		8.00	7.94	7.94	1.9	5.28	15.9		1	<1						0	4	5	6	4	2	1	3	2		kp	PJ	PJ			
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	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 °C	H2O Temp BTM monthly	Fecal Coliform	Entero	Ammo	Nitrate	Nitrite	Organ	Total	Rainfall in 24	Tidal Stage	Water Color	Surface	Cloud Cover	Wind DIREC	Wind SPEE	Weather	Wave Height		Data Entere	Captain	Sampling	Notes
Friends of the Bay 2020		Water Quality Data - Site 6, Seawanhaka Yacht Club PSTP outfall																																					
Site 6	7/13/2020	11:16am	OT WORKING				'T OF HEALTH								1.6		27.3		5	<1						1	2	5	6	1	2	1	1	0		kp	pj	pj	
Site 6	7/20/2020	9:22AM	24.55	24.45	23.30	25.68	25.50	25.71	7.79	7.75	7.68	5.60	5.44	4.96	1.2m	6.37	30.8		2	<1						0	4	5	6	2	6	1	2	0		LD	PJ	PJ	
Site 6	7/27/2020	10:52AM	25.28	25.25	24.57	26.32	26.37	26.47	7.87	7.87	7.79	7.04	6.95	6.59	0.9m	5.08	31.2		<1	<1						0	2	5	6	1	7	1	2	0		LD	PJ	PJ	
Site 6	8/3/2020	9:30AM	24.31	24.07	23.08	25.86	25.97	26.13	7.61	7.59	7.48	5.54	4.51	3.90	1.6m	6.78	29.8		1	<1						0	4	5	6	1	7	1	2	1		LD	PJ	PJ	
Site 6	8/10/2020	19:26AM	24.36	24.31	24.15	26.47	26.71	26.69	7.68	7.67	7.65	6.67	6.54	6.55	1.5m	5.78	30.5		5	1						0	2	5	6	0	5	1	1	0		LD	PJ	PJ	
Site 6	8/17/2020	9:15am	23.12	23.05	22.54	26.76	26.70	26.85	7.58	7.58	7.52	4.77	4.64	4.38	1.9m	9.33	21.3		3	7						2	4	5	6	1	8	1	1	1		kp	pj	pj	
Site 6	8/24/2020	10:40am	25.61	25.23	24.80	27.13	27.02	27.06	7.67	7.66	7.62	7.18	6.96	6.81	1.5m	4.87	32.1		1	<1						0	4	5	6	1	8	1	2	0		kp	pj	pj	
Site 6	8/31/2020	9:42am	24.25	24.25	24.23	26.98	26.98	27.00	g used backup	have pH sensor		6.17	6.16	6.29	1.4m	7.13	21.6		1	7						1	4	5	6	4	2	1	3	0		kp	pj	pj	
Site 6	9/8/2020	10:12am	24.25	24.23	24.11	27.17	27.18	27.25	g used backup	have pH sensor		6.10	6.19	6.40	1.8m	5.55	27.7		<1	<1						0	4	5	6	2	6	1	2	0		kp	pj	pj	
Site 6	9/14/2020	9:06am	Water Quality	Monitoring Equi	p. Malfunction,	ity, pH and DO	sent in for repair	Monitoring Equi	p. Malfunction,	ity, pH and DO	sent in for repair	Water Quality	Monitoring Equi	p. Malfunction,	ity, pH and DO	sent in for repair	22.4		1	3						0	1	5	6	3	8	2	3	2		kp	pj	pj	
Site 6	9/21/2020	9:26am	19.73	19.71	19.64	27.32	27.30	27.37				7.60	7.49	7.41	1.7m	5.35	14.9		<1	<1						0	4	5	6	0	2	1	1	1		kp	pj	pj	
Site 6	9/28/2020	11;17am	20.69	20.70	20.62	27.37	27.34	27.38	nde malfunction	nde malfunction	nde malfunction	9.37	9.19	9.0	2.5	7.19	25.3		4	<1						1	2	5	6	4	4	2	3	1		es	PJ	PJ	
Site 6	10/5/2020	8:40 am	19.65	19.67	19.58	27.17	27.17	27.20		broken		7.97	7.91	8.01	2.1	5.32	14.9		<1	<1						0	4	5	6	4	3	1	3	1		kp	PJ	PJ	
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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 monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH	Nitrate (NO	Nitrite (NO	Organic 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 7	7/13/2020	10:54am	MANTA 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	11:48AM	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	OO 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	g used backup	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	epth too shallow	unable to get data or sample			tide too low /depth too shallow		data or sample										tide too low /depth too shallow		or sample						tide too low /depth too shallow				sample						kp	pj	pj	Dead fish on surface	
Site 7	9/14/2020	8:58am	Water Quality Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair		22.2		5	2						0	1	5	6	3	8	2	3	2		kp	pj	pj		
Site 7	9/21/2020	epth 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		
Site 7	9/28/2020	10:57AM	20.57	20.54	20.35	27.14	27.12	27.16	as not working	as not working	as not working	9.20	8.99	8.82	2.1	3.82	24.1		5	<1						1	2	5	6	4	4	1	3	1		es	PJ	PJ		
Site 7	10/5/2020	10:13 am	18.85	18.9	18.82	26.81	26.86	26.81		broken		8.16	8.20	8.29	1.5	2.45	18.1		15	2						0	4	5	3	4	2	1	3	1		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 Temp BTM	Fecal Coliform	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrog	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Conditi	Cloud Cover	Wind DIRECTION	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 8	7/13/2020	10:38AM	OT WORKING				'T 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	g used backup	ave 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	g used backup	ave 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	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair		22.0		5	<1						0	1	5	6	3	8	2	3	2		kp	pj	pj
Site 8	9/21/2020	9:04AM	19.13	a for this depth	19.15	27.16	a for this depth	27.15	see note page			7.91	a for this depth	7.94	1.6m	2.0	14.5		1	1						0	2	5	6	0	2	2	1	3		KP	PJ	PJ
Site 8	9/28/2020	10:39am	20.55	20.43	20.44	27.10	27.16	27.21	OT WORKING	OT WORKING	OT WORKING	9.11	8.97	8.67	2.1	4.09	22.7		18	2						1	2	5	6	4	4	1	3	1		es	PJ	PJ
Site 8	10/5/2020	10:27am	19.36	19.36	19.36	27.05	27.04	27.08		broken		8.17	8.20	8.24	1.8	2.66	16.1		1	<1						0	4	5	6	4	2	1	3	1		kp	PJ	PJ
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	Friends of the Bay **2020** Water Quality Data - **Site 9, Roosevelt 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 (m)	Depth (meters)	Air Temp	H2O Temp BTM	Fecal Coliform Bact	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic 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
Site 9	7/13/2020	10:22am	OT WORKING				PT OF HEALTH								1.9m		27		6	1						1	2	5	6	1	7	0	1	0		LD	PJ	PJ
Site 9	7/20/2020	9:02AM	24.67	24.49	24.38	25.71	25.69	25.73	7.68	7.66	7.65	5.12	5.08	5.08	1.1m	2.71	32.2		6	<1						0	4	5	6	2	7	1	2	0		LD	PJ	PJ
Site 9	7/27/2020	10:14AM	25.38	25.34	25.38	26.11	26.18	26.02	7.76	7.75	7.75	6.39	6.38	6.35	0.9m	2.10	30.9		3	<1						0	2	5	6	1	6	1	2	0		LD	PJ	PJ
Site 9	8/3/2020	9:09AM	24.67	24.27	23.98	25.80	25.82	25.98	7.60	7.58	7.51	4.92	4.56	4.14	1.3m	3.06	27.9		8	2						0	2	5	6	1	7	1	1	1		LD	PJ	PJ
Site 9	8/10/2020	9:42AM	24.37	24.35	24.35	26.50	26.58	26.51	7.53	7.53	7.52	5.53	5.53	5.57	1.9m	2.22	32.4		3	3						0	2	5	6	0	0	0	1	0		LD	PJ	PJ
Site 9	8/17/2020	08:24am	23.53	23.58	23.53	26.31	26.37	26.68	7.59	7.58	7.56	5.17	4.97	7.98	1.3m	3.41	21.6		24	15						2	4	5	6	1	8	1	1	1		kp	PJ	PJ
Site 9	8/24/2020	10:08AM	25.30	pth too shallow	25.17	26.88	pth too shallow	26.84	7.62	pth too shallow	7.59	6.90	pth too shallow	6.85	1.6m	1.66	29.5		7	<1						0	3	5	6	1	8	1	2	0		KP	PJ	PJ
Site 9	8/31/2020	8:50am	24.23	24.35	24.35	26.77	26.87	26.87	g used backup	ave pH sensor		6.04	6.00	6.02	1.2m	3.06	20.2		33	2						1	4	5	6	4	3	1	3	1		KP	PJ	PJ
Site 9	9/8/2020	9:41am	24.03	24.03	24.03	27.01	26.98	26.99	g used backup	ave pH sensor		5.56	5.74	5.86	1.7m	2.10	24.3		4	<1						0	3	5	6	4	5	1	3	0		kp	PJ	PJ
Site 9	9/14/2020	8:45am	Monitoring Equ	ip. Malfunction,	ity, pH and DO	ent in for repair	Monitoring Equ	ip. Malfunction,	ity, pH and DO	ent in for repair	Water Quality	Monitoring Equ	ip. Malfunction,	ity, pH and DO	ent in for repair		22.7		3	1						0	1	5	6	3	8	2	3	2		kp	PJ	PJ
Site 9	9/21/2020	8:35AM	19.05	a for this depth	19.05	27.14	a for this depth	27.12	see note page			7.98	a for this depth	8.02	na	1.84	13.4		8	3						0	2	5	6	0	2	2	1	2		KP	PJ	PJ
Site 9	9/28/2020	10:27am	20.58	20.54	20.44	27.17	27.20	27.25	see note page			9.97	8.80	8.67	2.35	3.99	23.4		25	2						1	2	5	6	4	4	1	3	1		es	PJ	PJ
Site 9	10/5/2020	8:23 am	19.43	low tide	19.48	26.97	low tide	27.0		broken		7.77	too low	7.87	1.8 at bottom	1.84	15.6		4	1						0	4	5	6	4	2	1	3	1		kp	PJ	PJ
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	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 AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen	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
Site 10	7/13/2020	10:10am	IOT WORKING				PT OF HEALTH								1.6m		35.2		23	1						1	2	5	6	1	7	1	1	1		LD	PJ	PJ
Site 10	7/20/2020	8:48AM	25.63	25.57	24.79	25.24	25.35	25.42	7.78	7.75	7.59	5.73	5.45	4.85	1.0m	5.04	32.2		15	2						0	4	5	6	2	7	0	2	0		LD	PJ	PJ
Site 10	7/27/2020	9:55AM	25.67	25.27	25.08	25.39	26.01	26.16	7.76	7.78	7.70	6.31	6.22	6.00	1.4m	4.08	31.8		11	1						0	2	5	6	1	7	1	2	0		LD	PJ	PJ
Site 10	8/3/2020	8:48AM	25.73	25.84	25.62	25.03	25.29	26.70	7.71	7.71	7.63	6.06	5.80	5.45	1.3m	4.75	28.0		120	13						0	4	5	6	1	7	1	1	0		LD	PJ	PJ
Site 10	8/10/2020	9:24AM	24.47	24.48	24.15	26.38	26.47	26.44	7.60	7.62	7.48	5.77	5.52	5.28	1.4m	4.18	30.4		25	1						0	2	5	6	0	0	1	1	0		LD	PJ	PJ
Site 10	8/17/2020	08:11am	23.67	24.07	23.97	25.52	26.11	26.31	7.62	7.61	7.58	5.61	5.47	5.58	1.2m	5.14	20.3		170	71						2	4	5	4	1	8	1	1	1		kp	PJ	PJ
Site 10	8/24/2020	9:54am	25.11	24.99	24.78	26.52	26.82	26.82	7.61	7.64	7.56	6.91	6.75	6.60	1.4m	3.73	27.4		36	17						0	2	5	6	1	8	1	2	1		kp	PJ	PJ
Site 10	8/31/2020	8:32am	24.1	24.56	24.53	26.61	26.74	26.77	g used backup		have pH sensor	6.37	6.29	6.36	1.2m	5.00	20.9		18	11						1	4	5	6	4	2	1	3	0		kp	PJ	PJ
Site 10	9/8/2020	9:29am	24.15	24.13	24.10	26.77	26.82	26.98	g used backup		have pH sensor	6.03	5.87	5.90	1.5m	4.22	27.1		6	<1						0	2	5	6	3	5	1	3	0		kp	PJ	PJ
Site 10	9/14/2020	8:38am	Monitoring Equip. Malfunction,		iity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		iity, pH and DO	ent in for repair	Water Quality Monitoring Equip. Malfunction,			iity, pH and DO	ent in for repair		22.0		5	1						0	1	5	6	3	8	2	3	2		kp	PJ	PJ
Site 10	9/21/2020	8:22AM	18.37	18.68	19.00	26.13	26.88	27.08	g used backup		have pH sensor	7.97	7.90	7.91	1.3m	3.94	13.5		54	28						0	2	5	6	0	2	1	1	1		KP	PJ	PJ
Site 10	9/28/2020	10:12 am	20.53	20.48	20.35	26.77	27.08	27.15	sonde not working			8.8	8.67	8.56	2.1	5.9	23.1		39	2						1	2	5	6	4	4	1	3	1		es	PJ	PJ
Site 10	10/5/2020	8:11am	19.3	19.27	19.33	26.65	26.80	26.88	broken			7.68	7.78	7.93	1.80	3.95	14.80		93	26						0	3	5	3	4	2	1	3	1		kp	PJ	PJ
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	Friends of the Bay **2020** Water Quality Data - Site 11, West Harbor																																					
	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	H2O Temp BTM monthly	Fecal	Enterococ	Ammonia	Nitrate	Nitrite	Organic	Total Nitro	Rainfall in	Tidal Stag	Water	Surface	Cloud	Wind DIRE	Wind SPE	Weather	Wave		Data Enter	Captain	Sampling Leader
Site 11	7/13/2020	9:35am	26.01	25.84	23.09	25.41	25.46	25.92	7.89	7.88	7.59	6.87	6.45	5.46	1.5m	2.62	28.6	g problems with motor								1	2	5	6	1	7	1	1	1		LD	PJ	PJ
Site 11	7/20/2020	8:31AM	26.13	25.84	25.35	25.22	25.36	25.50	7.76	7.74	7.66	6.01	5.94	5.65	1.0m	2.55	332.6		2	<1						0	4	5	6	2		0	2	0		LD	PJ	PJ
Site 11	7/27/2020	9:15AM	26.68	26.75	25.37	26.01	26.02	26.18	7.97	7.96	7.72	7.87	7.33	6.36	0.8m	2.91	30.5		1	<1						0	2	5	6	1	6	1	2	0		LD	PJ	PJ
Site 11	8/3/2020	8:12AM	25.95	25.91	25.55	25.36	25.52	25.65	7.58	7.56	7.51	5.13	4.89	4.68	1.2m	3.18	27.3		<1	1						0	4	5	6	3	7	1	2	1		LD	PJ	PJ
Site 11	8/10/2020	8:57AM	25.37	25.35	25.20	26.20	26.20	26.33	7.61	7.61	7.60	5.88	5.86	5.87	1.1m	3.69	28.7		4	<1						0	2	5	6	0	5	1	1	0		LD	PJ	PJ
Site 11	8/17/2020	07:36am	24.03	24.05	24.04	26.27	26.33	26.23	7.58	7.57	7.56	5.48	5.45	5.46	1.4m	4.24	19.8		2	<1						2	4	5	6	1	8	1	1	1		kp	PJ	PJ
Site 11	8/24/2020	9:12am	25.67	25.42	25.23	26.83	26.85	26.89	7.76	7.72	7.65	7.35	7.16	7.01	1.0m	2.48	29.6		1	2						0	2	5	6	1	0	0	2	0		kp	PJ	PJ
Site 11	8/31/2020	7:55am	24.48	24.47	24.44	26.72	26.73	26.73	g used backup	have pH sensor		6.48	6.50	6.59	1.0m	3.44	19.1		1	<1						1	3	5	6	4	2	1	3	0		kp	PJ	PJ
Site 11	9/8/2020	8:49am	24.31	24.29	24.26	26.71	26.73	26.82	g used backup	have pH sensor		6.21	6.12	6.14	1.1m	2.87	25.1		3	<1						0	2	5	6	3	0	0	2	0		kp	PJ	PJ
Site 11	9/14/2020	8:22am	Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,			nity, pH and DO	sent in for repair		21.7		4	<1						0	4	5	6	3	8	2	3	2		kp	PJ	PJ
Site 11	9/21/2020	7:38AM	17.57	17.58	17.58	26.96	26.98	26.99	g used backup	have pH sensor		8.23	8.23	8.27	1.0m	2.82	13.2		<1	<1						0	2	5	6	0	2	3	1	3		KP	PJ	PJ
Site 11	9/28/2020	9:47am	20.44	20.44	20.40	27.15	27.14	27.11	sonde broken	sonde broken	sonde broken	8.93	8.80	8.70	2.2	4.57	22.9		5	3						1	4	5	6	4	4	2	3	1		es	PJ	PJ
Site 11	10/5/2020	7:44 am	18.58	18.58	18.58	26.97	26.98	27.0		broken		7.54	7.64	7.79	1.6	2.9	14.1		<1	<1						0	3	5	6	4	2	1	3	1		kp	PJ	PJ
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Friends of the Bay **2020** Water Quality Data - **Site 12, Turtle 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 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	7/13/2020	9:46am	IOT WORKING	AMPLE COLLECTED FOR DEPT OF HEALTH											1.3m		26.5		<1	<1							1	2	5	6	1	7	1	1	1		LD	PJ	PJ	
Site 12	7/20/2020	11:37AM	28.32	27.94	25.54	25.44	25.36	25.53	7.87	7.97	7.63	6.26	5.85	4.84	0.9m	3.71	32.4		2	<1							0	1	5	6	2	1	1	2	0		LD	PJ	PJ	
Site 12	7/27/2020	9:32AM	27.27	27.26	25.51	25.94	26.01	26.01	7.64	7.63	7.46	4.79	4.11	4.26	0.9m	2.00	30.5		1	<1							0	2	5	6	1	6	1	2	0		LD	PJ	PJ	
Site 12	8/3/2020	8:23AM	26.64	26.64	26.64	25.45	25.54	25.51	7.57	7.57	7.57	5.31	5.32	5.37	1.1m	2.06	27.4		15	8							0	4	5	6	3	8	1	2	1		LD	PJ	PJ	
Site 12	8/10/2020	9:08AM	26.32	26.20	26.94	26.33	26.34	26.29	7.69	7.67	7.58	5.74	5.50	5.12	1.2m	1.97	27.6		<1	<1							0	2	5	4	0	7	1	1	0		LD	PJ	PJ	
Site 12	8/17/2020	7:56am	23.83	23.83	23.80	26.24	26.33	26.46	7.60	7.60	7.59	5.44	5.45	5.56	1.5m	3.07	19.9		11	<1							2	4	5	6	1	8	1	1	1		kp	PJ	PJ	
Site 12	8/24/2020	9:33am	26.45	pth too shallow		26.37	26.80	pth too shallow		26.86	7.62	pth too shallow		7.61	6.14	pth too shallow		6.25	0.5m	1.64	27.8		4	<1				0	2	5	6	1	4	1	2	0		kp	PJ	PJ	
Site 12	8/31/2020	8:10am	24.01	24.04	23.45	26.67	26.69	26.77	g used backup		have pH sensor		5.84	5.74	6.10	0.7m	2.83	20.3		2	1							1	4	5	6	4	1	1	3	0		kp	PJ	PJ	
Site 12	9/8/2020	9:03am	24.20	24.13	24.12	26.59	26.58	26.59	g used backup		have pH sensor		6.28	6.27	6.38	0.7m	2.10	24.3		2	<1							0	2	5	6	4	0	0	3	0		kp	PJ	PJ	Seagulls feeding on fish school
Site 12	9/14/2020	8:28am	Monitoring Equip. Malfunction,		iity, pH and DO	ent in for repair		Monitoring Equip. Malfunction,		iity, pH and DO	ent in for repair		Water Quality Monitoring Equip. Malfunction,		iity, pH and DO	ent in for repair		21.9		1	<1							0	4	5	6	3	8	2	3	2		kp	PJ	PJ	
Site 12	9/21/2020	8:01AM	17.20	17.20	17.21	26.97	26.99	26.98	g used backup		have pH sensor		8.03	8.04	8.10	1.3m	1.97	12.7		2	2							0	2	5	6	0	2	2	1	2		KP	PJ	PJ	
Site 12	9/28/2020	9:57am	20.87	20.87	20.85	26.89	26.88	26.87	sonde broken				7.53	7.53	7.55	1.2	3.81	22.5		18	4							1	4	5	6	4	4	2	3	1		es	PJ	PJ	
Site 12	10/5/2020	7:58 am	17.91	low tide	17.85	26.69	low tide	26.79	broken				7.10	low tide	7.54	1.6	1.78	14.2		3	1							0	3	5	6	4	2	1	3	1		kp	PJ	PJ	
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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	H2O Temp BTM	Fecal Coliform	Enterococci	Ammonia	Nitrate (NO	Nitrite (NO	Total Kiel	Organic Nitro	Total Nitro	Rainfall in	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leade
Site 13	7/13/2020	8:12am	25.41	24.96	24.6	24.64	25.41	25.50	7.52	7.58	7.57	5.20	5.25	4.95	1.0m	2.73	28.8	TOR PROBLEM									1	2	5	6	1	8	1	1	1		LD	PJ	PJ
Site 13	7/20/2020	8:14AM	26.41	26.33	26.17	24.97	25.02	25.10	7.56	7.53	7.49	4.69	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	12:33PM	26.49	26.47	25.89	25.55	25.57	25.58	7.70	7.70	7.57	5.99	5.68	5.09	1.0m	4.11	35.1		5	<1							0	1	5	6	0	8	1	1	1		LD	PJ	PJ
Site 13	8/10/20	8:14AM	25.55	25.47	25.42	25.93	26.23	26.19	7.49	7.50	7.50	4.95	4.93	4.97	0.7m	2.6	28.6		11	<1							0	2	5	6	1	N/A	0	2	0		LD	PJ	PJ
Site 13	8/17/20	11:58am	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	3.99	26.4		5	<1							2	2	5	6	1	0	0	1	1		kp	PJ	PJ
Site 13	8/24/20	8:38am	25.48	25.45	25.45	26.07	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		kp	PJ	PJ
Site 13	8/31/20	12:22pm	24.42	24.40	24.34	26.70	26.70	26.75	used backup	ve 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		kp	PJ	PJ
Site 13	9/8/20	8:10am	23.74	23.73	23.72	25.71	25.77	25.81	used backup	ve 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		kp	PJ	PJ
Site 13	9/14/20	7:44am	itoring Equip. Malfunction,		y, pH and DO	t in for repair	itoring Equip. Malfunction,		y, pH and DO	t in for repair	er Quality Monitoring Equip. Malfunction,			y, pH and DO	t in for repair		21.5		6	6							0	4	5	6	3	8	2	3	2		kp	PJ	PJ
Site 13	9/21/20	11:22AM	to use sonde	Tide too strong to hold position - unable to			use sonde	Tide too strong to hold position - unable to			use sonde						15.6		42	5							0	4	5	6	0	2	2	1	2		KP	PJ	PJ
Site 13	9/28/2020	8:31am	20.71	20.71	20.66	26.70	26.75	26.79		sonde broken		8.09	9.07	8.07	1.65	4.13	21.7		10	5							1	4	5	6	4	6	1	3	1		es	PJ	PJ
Site 13	10/5/2020	11:19 am	18.83	18.81	18.80	26.65	26.59	26.62		sonde broken		7.45	7.47	7.52	1.3	3.43	17.6		6	<1							0	4	5	6	3	2	1	2	1		kp	PJ	PJ
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	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	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammon	Nitrat	Nitrite	Crgan	Total	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			
	Friends of the Bay **2020** Water Quality Data - **Site 14, Mill Neck Creek West**																																								
Site 14	7/13/2020	A AMPHIBIAN NOT WORKING		WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												NO SPECIMEN COLLECTED MOTOR PROBLEM																				LD	PJ	PJ			
Site 14	7/20/2020	7:53AM	26.53	N/A	26.53	24.66	N/A	24.69	7.29	N/A	7.29	2.96	N/A	3.15	0.7m	1.14	28.7		210	41						0	4	5	6	4	7	1	3	0		LD	PJ	PJ			
Site 14	7/27/2020	8:38AM	26.69	26.66	26.64	25.16	25.22	25.45	7.63	7.60	7.53	5.66	5.36	5.51	0.6m	2.35	31.2		46	6						0	2	5	6	2	5	1	2	0		LD	PJ	PJ			
Site 14	8/3/2020	12:22PM	27.12	27.0	26.03	25.39	25.39	25.75	7.65	7.66	7.59	5.80	5.60	5.14	0.8m	3.78	33.7		15	<1						0	1	5	6	0	7	1	1	1		LD	PJ	PJ			
Site 14	8/10/2020	7:55AM	25.70	25.78	25.81	25.16	25.81	25.66	7.39	7.36	7.35	4.10	4.03	3.97	0.7m	1.46	26.7		24	<1						0	2	5	6	1	6	1	2	0		LD	PJ	PJ			
Site 14	8/17/2020	11:47am	24.36	24.00	23.91	25.46	25.83	26.28	7.54	7.57	7.53	5.35	5.32	5.47	0.8m	3.19	25.9		57	4						2	2	5	6	1	8	1	1	1		kp	PJ	PJ			
Site 14	8/24/2020	7:51am	25.39	25.38	25.30	25.89	25.96	25.94	7.23	7.24	7.22	3.92	4.02	4.30	0.8m	1.95	25.7		52	43						0	2	5	6	1	0	0	2	0		kp	PJ	PJ			
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																															kp	PJ	PJ			
Site 14	9/8/2020	7:53am	23.69	23.65	23.59	25.70	25.70	25.74	g used backup	have pH sensor		4.46	4.49	4.67	0.9m	1.38	22.9		12	1						0	2	5	6	1	0	0	1	0		kp	PJ	PJ			
Site 14	9/14/2020	7:48am	Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,			nity, pH and DO	sent in for repair		21.4		14	2						0	4	5	6	3	8	2	3	2		kp	PJ	PJ			
Site 14	9/21/2020	11:11AM	16.05	16.01	15.98	25.72	25.71	25.65	g used backup	have pH sensor		7.07	7.11	7.16	1.0m	2.15	15.09		110	21						0	4	5	6	0	2	2	1	2		KP	PJ	PJ	Terrapin sightings		
Site 14	9/28/2020	8:47 am	20.74	20.73	20.72	26.75	26.75	26.73		sonde broken		7.94	7.94	7.94	1.6	2.61	21.9		13	8						1	4	5	6	4	4	1	3	1		es	PJ	PJ			
Site 14	10/5/2020	11:28 am	18.69	18.70	18.70	26.51	26.54	26.54		sonde broken		7.37	7.40	7.47	1.4	2.75	17.4		15	2						0	4	5	6	3	2	1	2	1		kp	PJ	PJ			
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Friends of the Bay 2020 Water Quality Data - Site 15, Mill Neck Creek South

	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	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	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
Site 15	7/13/2020	7:59am	NOT WORKING	SAMPLE COLLECTED FOR DEPT OF HEALTH											0.7m		25.9		51	10						1	1	5	6	2	NW	1	1	0		LD	PJ	PJ
Site 15	7/20/2020		TIDE TOO LOW																																	LD	PJ	PJ
Site 15	7/27/2020	7:55AM	27.21	OO SHALLOW	27.23	25.15	OO SHALLOW	25.40	7.46	OO SHALLOW	7.47	4.72	OO SHALLOW	4.72	0.6m	1.36	30.5		130	26						0	2	5	6	2	N/A	0	2	0		LD	PJ	PJ
Site 15	8/3/2020	11:59AM	27.76	27.55	27.23	24.84	25.00	25.08	7.51	7.56	7.59	5.24	5.44	5.54	0.8m	2.22	32.6		60	1						0	4	5	6	0	2	1	1	1		LD	PJ	PJ
Site 15	8/10/2020		TIDE TOO LOW			TIDE TOO LOW			TIDE TOO LOW																	0	3									LD	PJ	PJ
Site 15	8/17/2020	11:31am	23.56	23.66	23.66	24.60	25.36	25.40	7.46	7.48	7.47	4.79	4.83	4.97	0.6m	2.14	24.1		780	51						2	2	5	6	1	8	1	1	1		kp	PJ	PJ
Site 15	8/24/202	OO SHALLOW	eading on boat	OO SHALLOW		DEPTH TOO SHALLOW				DEPTH TOO SHALLOW																										KP	PJ	PJ
Site 15	8/31/2020	n/a	ENOUGH TIME	D LIMITATIONS																																KP	PJ	PJ
Site 15	9/8/2020	epth too shallow	data or sample	tide too low /depth too shallow		data or sample		tide too low /depth too shallow		data or sample							tide too low /depth too shallow			or sample		tide too low /depth too shallow					or sample										PJ	PJ
Site 15	9/14/2020	7:54am	y Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	y Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,			nity, pH and DO	sent in for repair		21.5		22	15						0	4	5	6	3	8	2	3	2		kp	PJ	PJ
Site 15	9/21/2020	epth 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			oo low /depth too shallow								tide too low /depth too shallow							KP	PJ	PJ
Site 15	9/28/2020	9:20	21.16	21.06	21.06	25.03	26.39	26.38		sonde broken		7.49	7.49	7.52	0.8	2.24	23.7		77	28						1	4	5	6	4	4	1	3	1		es	PJ	PJ
Site 15	10/5/2020	11:40 am	18.63	low	18.58	25.67	low	low25.81		sonde broken		7.43	low	7.58	0.9	1.58	19.5		57	2						0	4	5	6	3	2	1	2	1		kp	PJ	PJ
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	Friends of the Bay 2020 Water Quality Data - Site 16, Mill Neck Creek North																																								
	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	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	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
Site 16	7/13/2020	A AMPHIBIAN NOT WORKING		WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												NO SPECIMEN COLLECTED MOTOR PROBLEM																				LD	PJ	PJ
Site 16	7/20/2020		TIDE TOO LOW																							0	1	5								LD	PJ	PJ
Site 16	7/27/2020	8:10AM	26.56	OO SHALLOW	26.47	25.52	OO SHALLOW	25.75	7.49	OO SHALLOW	7.56	5.08	OO SHALLOW	5.30	0.7m	1.36	30.1	D DUE TO EXTREME HEAT	100+ DEGREES						0	2	5	6	2	6	1	2	0		LD	PJ	PJ
Site 16	8/3/2020	12:13PM	27.57	26.44	26.15	25.23	25.51	25.58	7.61	7.61	7.60	5.67	5.45	5.48	0.9m	2.33	30.4		36	<1						0	1	5	6	0	8	1	1	0		LD	PJ	PJ
Site 16	8/10/2020		TIDE TOO LOW				TIDE TOO LOW																			0	3									LD	PJ	PJ
Site 16	8/17/2020	11:41AM	23.86	23.96	23.93	25.50	26.01	26.20	7.53	7.59	7.58	5.56	5.66	5.67	0.8m	2.15	23.5		260	7						2	2	5	6	1	8	1	1	1		kp	pj	pj
Site 16	8/24/2020	DO SHALLOW	at depth finder reading on boat		DEPTH TOO SHALLOW						DEPTH TOO SHALLOW					DEPTH TOO SHALLOW																			KP	PJ	PJ
Site 16	8/31/2020		n/a	NOUGH TIME) LIMITATIONS																																KP	PJ	PJ
Site 16	9/8/2020	pth too shallow	data or sample		tide too low /depth too shallow		data or sample			tide too low /depth too shallow		data or sample		tide too low /depth too shallow		data or sample			tide too low /depth too shallow		data or sample		tide too low /depth too shallow		data or sample			tide too low /depth too shallow		data or sample			kp	pj	pj
Site 16	9/14/2020	8:02am	Monitoring Equip. Malfunction,	ity, pH and DO	ent in for repair		Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair			21.6		7	7						0	4	5	6	3	8	2	3	2		kp	pj	pj
Site 16	9/21/2020	pth 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
Site 16	9/28/2020	9.09 am	21.03	20.98	20.89	26.41	26.52	26.64		sonde broken		7.65	7.66	7.63	1.2	2.4	21.8		61	5						1	4	5	6	4	4	1	3	1		es	PJ	PJ
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	Friends of the Bay **2020** Water Quality Data - Site 17, The Birches STP																																									
	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	BTM DO	Secchi	Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia	Nitrate	Nitrite (N	Organic	Total Nit	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condit	Cloud Cover	Wind DIRECTON	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader	Notes			
Site 17	7/13/2020		AMPHIBIAN NOT WORKING				WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												NO SPECIMEN COLLECTED MOTOR PROBLEM																	LD	PJ	PJ				
Site 17	7/20/2020		TIDE TOO LOW																							0	1	5		2		1	2	0		LD	PJ	PJ				
Site 17	7/27/2020	8:23AM	OO SHALLOW		26.69	PTH TOO LOW		25.09	PTH TOO LOW		7.25	PTH TOO LOW		3.19	0.4M	0.91	29.9		32	9						0	2	5	6	2	7	0	2	0		LD	PJ	PJ				
Site 17	8/3/2020		O SHALLOW TO TAKE DATA																NO SPECIMEN COLLECTED																							
Site 17	8/10/2020		TIDE TOO LOW				TIDE TOO LOW																			0	3									LD	PJ	PJ				
Site 17	8/17/2020		O SHALLOW TO collect DATA				too shallow to collect data												too shallow to collect sample																	KP	PJ	PJ				
Site 17	8/24/2020		DEPTH TOO SHALLOW		et depth finder reading on boat		DEPTH TOO LOW			DEPTH TOO LOW				DEPTH TOO LOW					too shallow to collect sample																	KP	PJ	PJ				
Site 17	8/31/2020	n/a	NOUGH TIME	LIMITATIONS																																KP	PJ	PJ				
Site 17	9/8/2020	epth too shallow	data or sample			tide too low /depth too shallow	data or sample				tide too low /depth too shallow	data or sample			tide too low /depth too shallow	data or sample										tide too low /depth too shallow	sample			low /depth too shallow	sample	shallow	sample			kp	pj	pj	Many fish jumping			
Site 17	9/14/2020	8:05am	Monitoring Equip. Malfunction,		nity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		nity, pH and DO	ent in for repair	Water Quality	Monitoring Equip. Malfunction,		nity, pH and DO	ent in for repair		21.6		33	10						0	4	5	6	3	8	2	3	2		kp	pj	pj				
Site 17	9/21/2020	epth too shallow				tide too low /depth too shallow					ide 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				
Site 17	9/28/2020	9:00	21.15	shallow	21.13	26.14	shallow	26.23		sonde broken		6.86	shallow	7.10	0.9	1.90	21.9		52	14						1	4	5	6	4	4	1	3	1		es	PJ	PJ	too shallow to make 1 m measurements			
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Friends of the Bay **2020** Water Quality Data - Site 18, Mill Neck 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	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Amm	Nitrate	Nitrite	Organic	Total Nit	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	7/13/2020	AMPHIBIAN NOT WORKING		WATER SAMPLE COLLECTED FOR DEPT OF HEALTH												NO SPECIMEN COLLECTED MOTOR PROBLEM																				LD	PJ	PJ	
Site 18	7/20/2020	TIDE TOO LOW																									1	5		2		1	2	0		LD	PJ	PJ	
Site 18	7/27/2020	9:02AM	26.15	26.13	26.08	25.95	25.99	25.04	7.68	7.71	7.73	6.34	6.37	6.37	0.9m	1.77	31.6	EXTREME HEAT 100+ DEGREES								0	2	5	6	2	5	1	2	0		LD	PJ	PJ	
Site 18	8/3/2020	12:44PM	26.45	26.41	25.77	25.60	25.55	25.57	7.70	7.70	7.59	5.82	5.65	5.13	1.1m	3.09	31.6		2	<1						0	1	5	6	0	8	1	1	1		LD	PJ	PJ	
Site 18	8/10/2020	8:32AM	25.44	N/A	25.39	26.21	N/A	26.20	7.59	N/A	7.57	5.78	N/A	5.81	1.3m	1.63	28.6		3	1						0	2	5	6	0	6	1	1	0		LD	PJ	PJ	
Site 18	8/17/2020	12:06pm	24.72	24.52	24.05	26.15	26.15	26.37	7.60	7.66	7.60	6.05	5.88	5.96	1.2m	2.91	25.3		12	1						2	2	5	6	0	8	1	1	1		kp	pj	pj	
Site 18	8/24/220	8:54AM	25.61	OO SHALLOW	25.42	26.30	OO SHALLOW	26.54	7.38	OO SHALLOW	7.46	5.26	OO SHALLOW	5.70	0.7M	1.49	31.9									0	2	5	6	1	4	1	2	0		KP	PJ	PJ	
Site 18	8/31/2020	12:11PM	24.45	24.43	24.36	26.82	26.85	26.91	g used backup	have pH sensor		6.80	6.66	6.72	1.1m	3.25	26.4		8	<1						1	4	5	6	4	2	1	3	1		kp	pj	pj	
Site 18	9/8/2020	8:28am	24.16	other readings		26.55	other readings	was not working	used backup	have pH sensor		6.06	other readings		1.1m	1.62	24.3		2	<1						0	2	5	6	2	5	1	2	0		kp	pj	pj	
Site 18	9/14/2020	7:38am	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality Monitoring Equip. Malfunction,			ity, pH and DO	ent in for repair		21.3		23	9						0	4	5	6	3	8	2	3	2		kp	pj	pj	
Site 18	9/21/2020	11:35AM	17.34	17.34	17.37	26.62	26.64	26.64	g used backup	have pH sensor		8.54	8.54	8.54	1.4m	2.10	15.9		33	4						0	4	5	6	0	2	2	1	1		KP	PJ	PJ	
Site 18	9/21/2020	8:13 am	20.75	20.73	20.69	26.70	26.71	26.72				8.08	8.07	8.06	1.7	3.05	21.3		20	3						1	4	5	6	4	5	1	3	1		es	PJ	PJ	
Site 18	9/28/2020	8:13am	20.75	20.73	20.69	26.70	26.71	26.72		ph sensor broken		8.08	8.07	8.06	1.7	3.05	21.3		20	3						1	4	5	6	4	5	1	3	1		es	PJ	PJ	
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Friends of the Bay 2020 Water Quality Data - Site 19, Flowers Oyster Hatchery

	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	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform	Enterococci	Ammonia (NH3	Nitrate (NO3	Nitrite (NO2	Organic Nitro	Total Nitrogen	Rainfall in 24	Tidal Stage	Water Color	Surface Condi	Cloud Cover	Wind DIRECTO	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Lead
Site 19	7/13/2020	9:11am	24.89	24.80	24.35	25.45	25.54	25.66	7.72	7.74	7.65	6.39	6.10	5.70	1.4m	3.82	26.6	D MOTOR PROBLEM								1	2	5	6	1	8	1	1	1		kp	Pj	PJ
Site 19	7/20/2020	12:56PM	27.41	26.46	25.53	25.37	25.31	25.39	7.80	7.78	7.61	6.65	5.98	4.77	0.9m	5.13	31.2		7	<1						0	1	5	6	2	1	1	2	0		LD	PJ	PJ
Site 19	7/27/2020	12:42PM	27.69	27.44	26.46	25.62	25.82	25.92	7.88	7.86	7.7	7.27	6.56	5.85	0.7m	3.7	32.6	EME HEAT 100+ DEGREES								0	3	5	6	1	8	1	2	0		LD	PJ	PJ
Site 19	8/3/2020	12:55PM	27.13	26.92	25.51	25.43	25.45	25.76	7.67	7.69	7.55	5.88	5.57	4.92	1.3m	6.6	32.4		2	<1						0	2	5	6	0	7	1	1	1		LD	PJ	PJ
Site 19	8/10/2020	12:26PM	26.54	26.14	25.45	26.03	26.15	26.29	7.69	7.65	7.47	6.22	6.10	4.69	0.9m	4.3	30.7		1	<1						0	4	5	6	1	1	2	0			LD	PJ	PJ
Site 19	8/17/2020	12:14pm	24.64	24.39	24.01	26.27	26.25	26.33	7.67	7.66	7.57	6.00	5.74	5.66	1.1m	6.68	24.0		13	<1						2	2	5	6	0	8	1	1	1		kp	pj	pj
Site 19	8/24/2020	IORT ON TIME	MPLES TO LAB	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	7:36AM	24.50	24.04	24.04	26.32	26.33	26.43	g used backup	have pH sensor		5.24	5.27	5.34	0.8m	4.13	19.4		14	1						1	3	5	6	4	8	1	3	0		kp	pj	pj
Site 19	9/8/2020	12:28pm	25.26	25.09	24.45	26.53	26.65	26.82	g used backup	have pH sensor		6.33	6.06	6.23	1.100	4.51	28.1		6	<1						0	4	5	6	3	2	1	2	0		kp	pj	pj
Site 19	9/14/2020	7:33am	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair	Water Quality Monitoring Equip. Malfunction,			ity, pH and DO	ent in for repair		21.3		18	3						0	4	5	6	3	8	2	3	2		kp	pj	pj
Site 19	9/21/2020	11:45AM	17.58	17.57	17.54	26.71	26.74	26.74	g used backup	have pH sensor		8.68	8.68	8.68	1.3m	4.87	16.6		19	<1						0	4	5	6	0	2	1	1	1		KP	PJ	PJ
Site 19	9/28/2020	7:40 AM	21.05	21.03	20.80	26.24	26.35	26.60		sonde broken		7.54	7.65	7.68	1.1	5.68	21.3		54	17						1	4	5	6	4	4	1	3	1		es	PJ	PJ
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