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 24 h	Tidal Stage	Water Color	Surface Con	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	CKED 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	g used backup		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	g used backup		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	p. Malfunction,	ity, pH and DO	ient 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			22.6		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	ANCHOR NOT HOLDING		ANCHOR NOT HOLDING				ANCHOR NOT HOLDING																														
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
Site 1	10/14/2020	11:20AM	16.91	17.17	17.21	24.14	25.09	26.38	SOR BROKEN				7.79	7.67	7.76	1.40	6.03	21.7	520	4							2	2	5	6	0	7	1	1	0		KP	PJ	PJ
Site 1	10/19/2020	9:48AM	15.78	15.92	16.42	25.92	26.06	26.64	SOR BROKEN				7.75	7.82	8.07	2.1	4.25	17.4	67	13							0	4	5	6	1	0	0	2	1		KP	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	Secchi (meters)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Total Kjeldahl Nitroge	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 2	7/13/2020	12:00pm	HELD FROZEN	AMPLE COLLECTED FOR DEPT OF HEALTH											.9m			29.5		119	<1						1	1	5	6	3	2	1	1	0		KP	PJ	pj	
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	0.9m	7.10	35.1		120	<1						0	4	5	2	1	8	1	2	0		LD	PJ	PJ	
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	0.9m	3.19	35.5		54	1						0	3	5	6	1	8	1	2	0		LD	PJ	pj	
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	1.4m	3.45	28.3		26	1						0	4	5	6	1	7	1	1	1		LD	PJ	PJ	
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	1.2m	5.17	31.6		17	3						0	4	5	6	1	7	1	2	0		LD	PJ	PJ	
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	1	3.80	22.4		68	2						2	4	5	6	1	8	1	1	1		kp	pj	pj	
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	1.1	5.35	35.9		32	<1						0	4	5	6	1	1	1	2	0		kp	pj	pj	
Site 2	8/31/2020	10:34am	24.09	24.07	24.56	25.90	26.01	26.71	g used backup	have pH sensor	NA	6.14	6.12	6.32	1.0m	7.25	23.4		10	1						1	4	5	6	4	3	1	3	1		kp	pj	pj	
Site 2	9/8/2020	11:06am	23.84	23.89	23.96	25.94	26.51	27.25	g used backup	have pH sensor		3.89	3.87	3.76	1.4m	6.45	27.9		8	<1						0	4	5	ioreline	2	1	1	2	1		kp	pj	pj	
Site 2	9/14/2020	9:27am	p, Malfunction,	ity, pH and DO	ient in for repair	Monitoring Equip.	Malfunction,	ity, pH and DO	ient in for repair	Water Quality Monitoring Equip.	Malfunction,	ity, pH and DO	ient in for repair				22.7		29	<1						0	1	5	6	4	8	2	3	3		kp	pj	pj	
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	1.1M	2.66	15.7		220	2						0	4	5	6	0	2	1	1	1		kp	pj	pj	
Site 2	9/28/2020	12;05 pm	24.1	cho malfunction															210	7						12	2	5	6	4	4	1	3	1		es	pj	pj	
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	1.1	6.63	15.3		22	3						0	4	5	3	4	2	1	3	1		kp	PJ	PJ	surface conditions - foam along coast and in water
Site 2	10/14/2020	11:10am	17.04	17.09	17.19	25.57	26.04	26.81	PH SENSOR BROKEN			7.81	7.9	8.04	1.5	7.90	18.6		600	20	ODERATE RAINFALL					2	2	5	6	0	7	1	1	0		KP	PJ	PJ	
Site 2	10/19/2020	09:36am	16.10	16.26	16.58	26.12	26.39	26.97	PH SENSOR BROKEN			7.78	7.80	7.93	1.8m	5.84	17.4		59	11						0	4	5	6	2	5	1	2	0		KP	PJ	pj	
Site 2																																					

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

	Friends of the Bay 2020 Water Quality Data - Site 4, Cold Spring Harbor North																																					
	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 (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitr ogen	Total Nitr ogen	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 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	10/5/2020	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		
Site 4	10/14/2020	10:51AM	17.37	17.55	17.70	27.03	27.41	27.72	sensor broken			8.19	8.14	8.31	2.0	7.30	16.5		8	<1						2	2	5	6	0	7	1	1	1		kp	pj	pj		
Site 4	10/19/2020	09:17am	16.26	16.26	16.90	27.05	27.06	27.40		pH sensor broke		8.40	8.41	8.45	3.0	5.27	15.3		7	<1						0	4	5	6	1	5	1	2	1		kp	pj	pj		
Site 4																																			

| | Friends of the Bay 2020 | | |

Friends of the Bay 2020 Water Quality Data - Site 6, Seawanhaka Yacht Club PSTP outfall

	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
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 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	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	
Site 6	10/14/2020	10:32am	17.36	17.36	17.50	27.35	27.35	27.55	sensor broken			8.04	8.07	8.14	2.0	7.33	15.6		12	<1						2	2	5	6	0	7	1	1	1		kp	pj	pj	
Site 6	10/19/2020	08:55am	16.30	16.30	16.30	27.03	27.06	27.06		ph sensor broken		8.52	8.62	8.81	3.0	4.75	12.7		4	2						0	4	5	6	1	0	0	2	0		kp	pj	pj	
Site 6																																				

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	Nitrate (N	Nitrite (N	Organic	Total Nitr	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Condition	Cloud Cover	Wind DIRECTON	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader	Notes
Site 7	7/13/2020	10:54am	AMPHIBIAN NOT WORKING				WATER SAMPLE COLLECTED FOR DEPT 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	DO 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		Water Quality 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	
Site 7	10/14/2020	10:18am	16.54	16.71	16.69	26.60	26.81	26.86	n sensor broken			8.30	8.39	8.49	1.8	3.87	18.0		59	2						2	2	5	6	0	7	1	1	0		kp	PJ	PJ	
Site 7	10/19/2020	10:10	15.52	15.74	15.80	26.86	26.93	27.04	ph sensor broken			8.74	8.93	9.02	1.4	2.36	15.8		17	1						0	4	5	6	1	1	1	2	1		kp	PJ	PJ	
Site 7																																			

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)	Fecal Temp BTM	Fecal Coliform	Entero cocci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitroge	Total Nitroge	Enterococci in 24 hours	Tidal Stage	Water Color	Surface Cloud	Cloud Cover	WIND DIRECTION	WIND SPEED	Weather	Wave Height	Class Enterococci	Capsian	Sampling Location
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	Sonde was not working 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	Sonde was not working 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	Water Quality Monitoring Equip. Malfunction,	temp, salinity, pH and DO	sent in for repair	ñonitoring Equip. Malfunction,		unable to collect data for water temp, salinity, pH and DO			int in for repair	Water Quality Monitoring Equip. Malfunction,		ity, pH and DO	int 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	y to collect data for this depth		19.15	27.16	e for this depth	27.15	see note page			7.91	e 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	10:39	20.55	20.43		20.44	27.10	27.16	27.21	NOT 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	10:27	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
Site 8	10/14/2020	10:07AM	16.85	16.76		16.84	26.54	26.78	26.93	PH SENSOR BROKEN			8.13	8.20	8.36	2.1	4.40	16.3	15	<1						2	1	5	6	0	7	1	1	1	kp	PJ	PJ
Site 8	10/19/2020	8:38am	16.14	low tide - too shallow		16.15	26.94	ide too shallow	26.91	ph sensor broken			8.40		8.63	bottom	1.64	13.3	4	2						0	4	5	6	0	0	0	2	0	kp	PJ	PJ
Site 8																																			

	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 monthly AVG	Fecal Coliform Bacte	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	NOT WORKING				PT OF HEALTH								1.9m		27.1		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	N/A	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	have 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	have 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	r Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	r Monitoring Equip. Malfunction,		nity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,		nity, pH and DO	sent 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	ta for this depth	19.05	27.14	ta for this depth	27.12	see note page			7.98	ta 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	10.27	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
Site 9	10/14/2020	9:55am	16.83	16.87	17.15	26.83	26.87	27.09	s sensor broken			7.98	8.01	8.11	2.2	4.0	15.8		15	1						2	1	5	6	0	6	1	1	1		kp	PJ	PJ
Site 9	10/19/2020	10:26am	16.26	16.25	16.22	26.98	26.96	26.97	ph sensor broken			8.70	8.71	8.73	2.6	2.70			3	8						0	4	5	6	2	2	1	2	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 Nitroge	Total Nitroge	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Conditi on	Cloud Cover	Wind DIREC TION	Wind SPEE D	Weath er	Wave Height		Data Entere d by	Captai n	Sampli ng Leader	
Site 10	7/13/2020	10:10am	OT 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	1 (few)	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,		ity, pH and DO	ient in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ient in for repair	Water Quality Monitoring Equip. Malfunction,			ity, pH and DO	ient 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	Foam along shoreline
Site 10	10/14/2020	9:45am	16.72	16.73	16.64	26.69	26.72	26.76	ph sensor broken			7.98	8.94	8.32	2.6	6.2	14.5		8	<1							2	1	5	6	0	8	1	1	1		kp	PJ	PJ	
Site 10	10/19/2020	08:20am	15.84	15.94	16.13	26.72	26.74	26.89	ph sensor broken			8.42	8.46	8.67	3.2	3.8	11.3		31	16							0	4	5	6	2	0	1	2	0		kp	PJ	PJ	
Site 10																																				

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

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

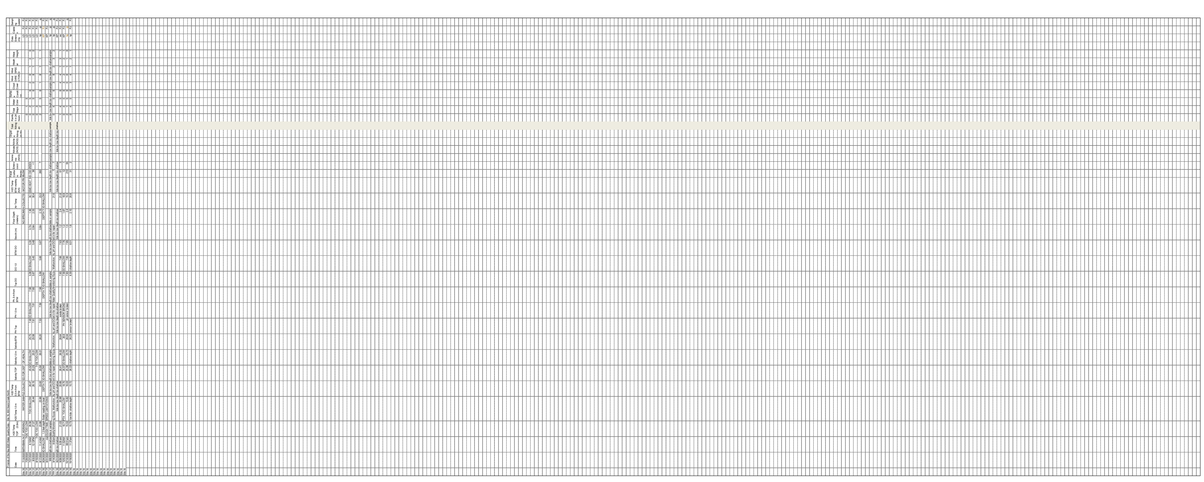
	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1 m	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (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,		ility, pH and DO	ent in for repair		Monitoring Equip. Malfunction,		ility, pH and DO	ent in for repair		Water Quality Monitoring Equip. Malfunction,		ility, 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	
Site 12	10/14/2020	9:32am	16.15	16.17	15.85	26.73	26.74	26.75	ph senson broken				8.21	8.27	8.50	1.7	3.79	14.9	6	<1							2	1	5	6	0	8	1	1	0		kp	PJ	PJ	
Site 12	10/19/2020	8:02am	14.91	- shallow depth	14.91	26.36	low tide	26.36	ph senson broken				8.44	low tide	8.5	1.5 - bottm	1.51	12.4	14	1							0	4	5	6	1	5	1	2	1		kp	PJ	PJ	
Site 12																																					

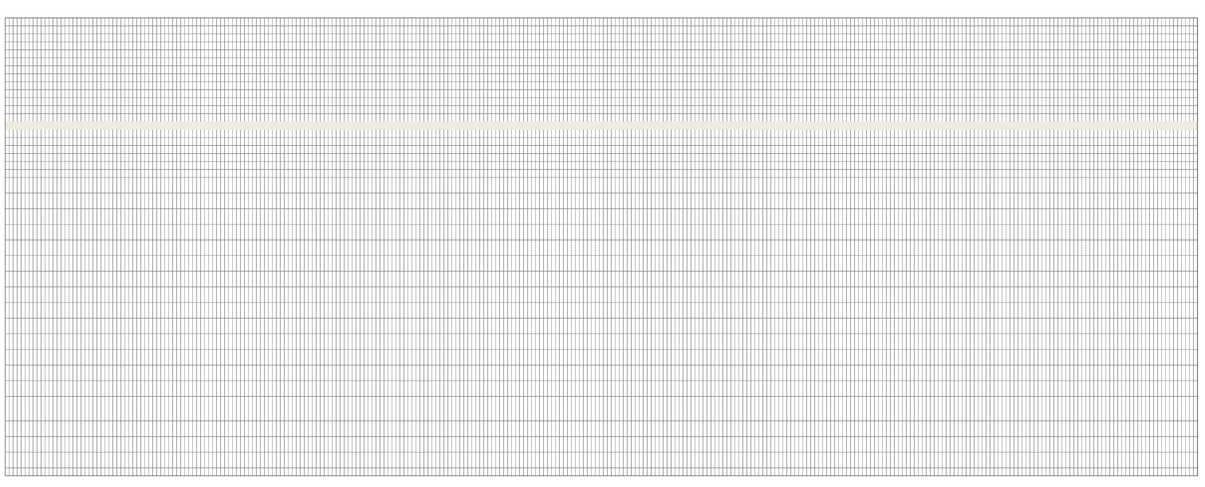
| | Friends of the Bay **2020**Water Quality Data - **Site 13, Mill Neck Creek East** | | |

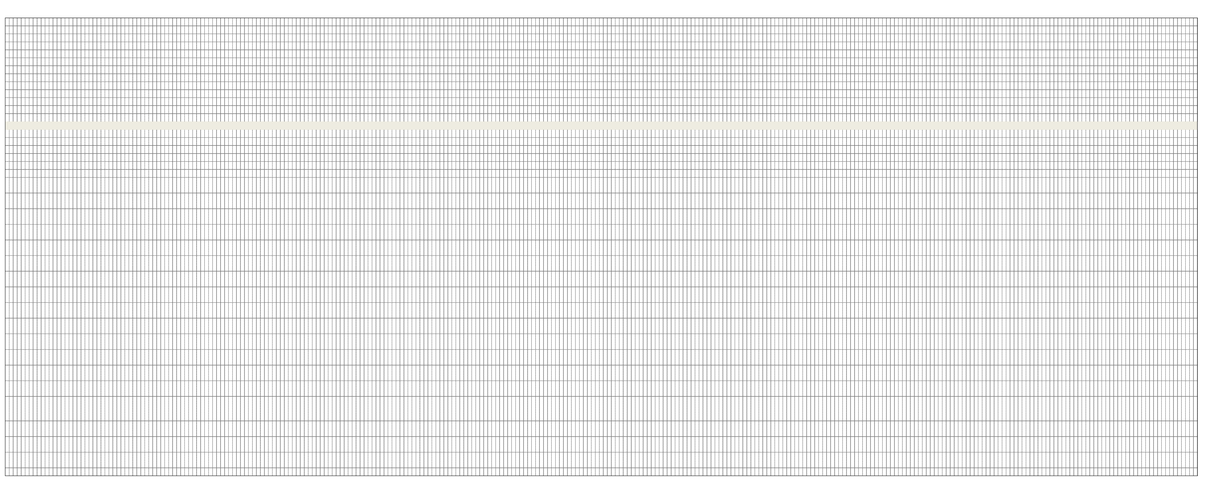
Friends of the Bay **2020** Water Quality Data - **Site 14, Mill Neck Creek West**

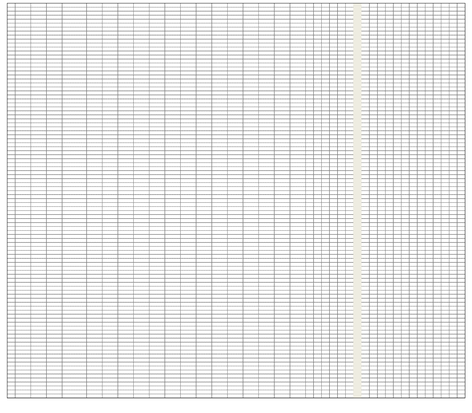
	Date	Time	H20 Temp TOP (0.5m)	H20 Temp 1.0 m	H20 Temp 0.5 m from BTM	Salinity TOP	Salinity 1.0 m	Salinity BTM	PH Top	PH 1.0 m	Ph .5 m from BTM	Top DO	DO 1.0 m	BTM DO	Secchi (m)	Floor Depth (meters)	Air Temp	H2O Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Antrio at	Nitrate	Nitrate	Organ ic	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 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	that does not 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	that does not 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					
Site 14	10/14/2020	08:32am	15.67	16.09	16.12	25.73	26.29	26.33		ph sensor broken		7.94	7.99	8.24	1.9	3.55	13.1		330	18					2	4	5	6	0	5	0	1	0		kp	PJ	PJ					
Site 14	10/19/2020	11:30am	15.94	15.94	15.95	26.47	26.47	26.50		ph sensor broken		8.58	8.63	8.68	2.1	3.18	20.5		8	<1					0	4	5	6	2	3	1	2	1		kp	PJ	PJ					
Site 14																																				

	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	WATER 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																																		
Site 15	7/27/2020	7:55AM	27.21	TOO 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	DO SHALLOW	eading on boat	DEPTH TOO SHALLOW		DEPTH TOO SHALLOW				DEPTH TOO SHALLOW																										KP	PJ	PJ
Site 15	8/31/2020		n/a	NOUGH TIME	TO SPEED LIMITATIONS																															KP	PJ	PJ
Site 15	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		or sample		tide too low /depth too shallow			or sample											PJ	PJ
Site 15	9/14/2020	7:54am	ater Quality 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		21.5		22	15						0	4	5	6	3	8	2	3	2		kp	PJ	PJ
Site 15	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		oo 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	11:240 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
Site 15	10/14/2020	09:02am	15.53	15.77	15.76	24.47	25.23	25.22		ph sensor broken		7.76	7.93	8.20	0.8m	2.20	16.9		600	55						2	1	5	6	0	6	1	1	0		kp	PJ	PJ
Site 15	10/19/2020	11:48 am	15.76	low tide- shallow depth	15.69	25.84	- shallow depth	25.92		ph sensor broken		8.34	e shallow depth	8.45	1.6	2.05	21.2		67	1						0	4	5	6	3	5	1	2	1		kp	PJ	PJ
Site 15																																				









| | Friends of the Bay **2020** Water Quality Data - Site 17, The Birches STP | | |

	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	A 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,		ulty, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ulty, pH and DO	ent in for repair	Water Quality Monitoring Equip. Malfunction,			ulty, 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		26.72		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					
Site 18	10/5/2020	11:08AM	18.88	18.87	18.83	26.50	26.53	26.57	SOR BROKEN			7.66	7.78	7.93	1.4	2.30	18.4		8	2						0	4	5	6	4	2	1	3	1		KP	PJ	PJ	
Site 18	10/14/2020	8:00am	16.07	16.16	16.17	26.25	26.33	26.37		ph sensor broken		7.90	7.98	8.16	1.9	2.99	12.9		54	1						2	4	5	6	0	0	0	1	0		kp	pj	pj	
Site 18	10/19/2020	11:10 am	16.00	15.95	15.93	26.17	26.44	26.45		ph sensor broken		8.57	8.58	8.60	2.3	2.66	25.1		21	<1						0	4	5	6	2	4	1	2	1		kp	pj	pj	
Site 18																																			

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