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 Nitrogen	Organic Nitrogen (N)	Total Nitrogen	Rainfall in 24	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	ient in for repair	Water Quality Monitoring Equip. Malfunction,			ity, pH and DO	ient 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					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
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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 Nitrogen	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	oreline	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	SOR 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				
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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	Nitrate (N	Nitrite (N	Organic	Total Nitr	Rainfall in 24	Tidal Stage	Water Color	Surface Cond	Cloud Cove	Wind DIRECT	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leade	Notes	
Site 3	7/13/2020	11:46AM	IOT WORKING	AMPLE COLLECTED FOR DEPT OF HEALTH											1.1m		27.2		36	<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	ig used backup	have 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	ig used backup	have pH sensor		4.54	4.30	4.33	1.5m	5.17	24.7		6	<1						0	4	5	eline	3	1	1	2	1		kp	pj	pj	6- Sea foam on shoreline	
Site 3	9/14/2020	9:23am	Monitoring Equip. Malfunction,		hity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		hity, pH and DO	ent in for repair	Water Quality Monitoring Equip. Malfunction,			hity, 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	nde not working	nde not working	nde 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	7.6	1.2m	4.93	16.2		14	1						0	4	5	6	4	2	1	3	1		kp	PJ	PJ		
Site 3	10/14/2020	11:00AM	17.19	17.1	17.15	26.4	26.41	27.18	NSOR BROKE			8.28	8.26	8.28	1.6	6.69	19.8		42	<1						2	2	5	6	0	7	1	1	1		KP	PJ	PJ		
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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	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	22.4		<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		
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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 monthly AVG	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	have 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	have 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,		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	22.6		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	anchor not holding		
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			
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			
Site 5	10/14/2020	10:40AM	17.54	17.56	17.62	27.66	27.73	27.86	n sensor broken			7.92	8.01	8.19	3.0	5.21	16.3		4	1						2	2	5	6	0	7	1	1	1		kp	pj	pj			
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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	Enterococcus	Ammonia	Nitrate	Nitrite	Organ	Total	Rainfall in 24	Tidal Stage	Water Color	Surface	Cloud Cover	Wind DIREC	Wind SPEED	Weather	Wave Height		Data Entered	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	
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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	H20 Temp BTM monthly AVG	Fecal Coliform Bacteria	Enterococci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitr	Total Nitr	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	IOT 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	pth 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				sample						kp	pj	pj	Dead fish on surface
Site 7	9/14/2020	8:58am	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	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 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	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	
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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 monthly AVG	Fecal Coliform	Entero cocci	Ammonia (NH3)	Nitrate (NO3)	Nitrite (NO2)	Organic Nitrogen	Total Nitrogen	Rainfall in 24 hours	Tidal Stage	Water Color	Surface Conditi	Cloud Cover	Wind DIRECTON	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 Equi	p. Malfunction,	ity, pH and DO	ent in for repair	Monitoring Equi	p. Malfunction,	ity, pH and DO	ent in for repair	Water Quality	Monitoring Equi	p. 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	10:39	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	10:27	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	SOR 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
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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 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 DIRECTON	Wind SPEED	Weather	Wave Height		Data Entered by	Captain	Sampling Leader
Site 9	7/13/2020	10:22am	OT WORKING				T 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	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			22.7		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	10.27	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	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
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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 (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 10	7/13/2020	10:10am	NOT 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 (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	ng 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	ng 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,	nity, pH and DO	sent in for repair	/ Monitoring Equip. Malfunction,		nity, pH and DO		sent in for repair		Water Quality Monitoring Equip. Malfuncti		nity, pH and DO	sent 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	ng 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	Surface conditions - 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				
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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 Colif	Enterococc	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,	ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	ent in for repair		Water Quality Monitoring Equip. Malfuncction,			ity, pH and DO	ent 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	Surface conditions - Foam along West Shore Rd shoreline					
Site 11	10/14/2020	9:25 am	16.76	16.75	16.78	26.88	26.90	26.91		ph sensor broken		8.11	8.24	8.43	2.9	4.56	15.5		12	<1						2	1	5	6	0	6	1	1	0		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,	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		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				
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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	FOR 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
Site 13	10/14/2020	08:17am	16.19	16.18	16.25	26.45	26.41	26.50	ph sensor broken			8.04	8.16	8.32	2.0	4.10	12.7	46	2								2	4	5	6	0	0	0	1	0		kp	PJ	PJ
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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	Animal	Nitrate	Nitrite	Chloral	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	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,	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		21.4		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			
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			
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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	MANTA AMPHIBIAN 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																																	LD	PJ	PJ
Site 15	7/27/2020	7:55AM	27.21	TOO SHALLOW	27.23	25.15	OO SHALLOW	25.40	7.46	TOO 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	DEPTH TOO SHALLOW	1.3 feet depth finder reading on boat	DEPTH TOO SHALLOW		DEPTH TOO SHALLOW				DEPTH TOO SHALLOW																										KP	PJ	PJ
Site 15	8/31/2020	n/a	BOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME	ET TO ALL 19 STATIONS DUE TO SPEED LIMITATIONS																																KP	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	data or sample			tide too low /depth too shallow		unable to get data or sample							tide too low /depth too shallow		r sample		tide too low /depth too shallow				r sample												PJ	PJ
Site 15	9/14/2020	7:54am		Water Quality Monitoring Equip. Malfunction,	ity, pH and DO	ent in for repair	Monitoring Equip. Malfunction,		ity, pH and DO	sent in for repair	Water Quality Monitoring Equip. Malfunction,			ity, 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	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			o 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	11:240 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
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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 Bacteri	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	MANTA 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	TOO 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	REME 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	DEPTH TOO SHALLOW	1.3 feet depth finder reading on boat		DEPTH TOO SHALLOW						DEPTH TOO SHALLOW					DEPTH TOO SHALLOW																			KP	PJ	PJ
Site 16	8/31/2020	n/a	NOT ENOUGH TIME	D SPEED LIMITATIONS																															KP	PJ	PJ
Site 16	9/8/2020	tide too low /depth too shallow	ble to get 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	o low /depth too shallow		sample	tide too low /depth too shallow				sample	o low /depth too shallow			sample		kp	pj	pj
Site 16	9/14/2020	8:02am	Water Quality Monitoring Equip. Malfunction,		nity, pH and DO	sent 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		7	7					0	4	5	6	3	8	2	3	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			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
Site 16	10/5/2020	11:52AM	18.71	EPTH TOO SHALLOW	18.70	26.57	OO SHALLOW	26.6		PH SENSOR BROKE		7.59	OO SHALLOW	7.76	1.2	1.87	18.9		12	1					0	4	5	6	3	2	1	2	1		KP	PJ	PJ
Site 16	10/14/2020	08:51am	15.53	15.82	16.03	25.38	25.73	26.04		ph sensor broken		7.83	7.80	7.85	1.5	2.4	15.3		210	55					2	1	5	6	0	6	1	1	0		kp	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	Fecal Coliform Bacteria	Enterococci	Ammonia	Nitrate	Nitrite (N	Organic Nit	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		MANTA 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	DEPTH TOO SHALLOW		26.69	DEPTH TOO LOW		25.09	DEPTH TOO LOW		7.25	DEPTH 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		TOO 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		TOO 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		1.3 feet 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	BOAT ENGINE BREAK IN PERIOD NOT ENOUGH TIME	ALL 19 STATIONS DUE TO SPEED LIMITATIONS																																KP	PJ	PJ				
Site 17	9/8/2020	de too low /depth too shallow	unable to get data or sample			tide too low /depth too shallow	get data or sample				tide too low /depth too shallow	to get data or sample			tide too low /depth too shallow	o get 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	Water Quality Monitoring Equip. Malfunction,	t data for water temp, salinity, pH and DO	sent in for repair	Quality Monitoring Equip. Malfunction,		r 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		21.6		33	10					0	4	5	6	3	8	2	3	2			kp	pj	pj				
Site 17	9/21/2020	de too low /depth 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			
Site 17	10/5/2020		LOW TIDE - DEPTH TOO SHALLOW				DEPTH TOO SHALLOW									DEPTH TO SHALLOW			DEPTH TO SHALLOW																	kp	PJ	PJ				
Site 17	10/14/2020	08:41am	15.48	15.52	15.57	24.97	24.99	25.04		ph sensor broken		7.56	7.59	7.65	1.2	2.08	15.1		400	6					2	4	5	6	0	6	1	1	0			kp	pj	pj				
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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	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	2	<1						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	O SHALLOW	25.42	26.30	O 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					
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	
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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	/PLES 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	ot working 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	ot working 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,		mp, salinity, 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	ot working 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
Site 19	10/5/2020	12:07PM	19.01	18.99	18.88	26.57	26.58	26.68	PHSENSOR BROKEN			7.59	7.54	7.57	1.30	5.53	22.4		4	<1						0	4	5	6	3	2	1	2	1		KP	PJ	PJ
Site 19	10/14/2020	07:45am	15.46	15.84	16.15	25.37	25.79	26.25	PH SENSOR BROKEN	sensor broken		7.94	7.95	8.18	1.6	4.93	11.3		520	4						2	4	5	6	0	0	0	1	0		KP	PJ	PJ
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