

Site FB-1 - COLD SPRING HARBOR SOUTH

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS							PERSONNEL			NOTES			
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Btm	Top	1.0m	Btm	Secchi (m)	Sea floor (m)	Fecal Coli-form	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Surface	Cloud Cover	Wind Dir	Wind m/s	Weather	Wave Ht (m)		Data by	Capt	Lead
5/3/22	10:10	11.4	11.3	11.0	NS	NS	NS	8.3	8.4	8.3	10.5	11.0	11.2	111.6	116.5	119.6	1.3	4.8	<1	<1							12.2	1	4	5	6	4	NE	11.0	3	0.2	ES	DM		
5/16/22	10:24	14.3	14.0	12.6	NS	NS	NS	NS	NS	NS	9.1	9.9	10.4	105.5	112.3	113.4	2.1	6.2	17	<1						23.0	0	4	5	6	4	NW	6.0	3	0.0	NH	DM			
5/31/22	9:25	18.2	18.2	17.1	25.6	25.6	26.0	7.9	7.9	7.8	7.4	8.1	7.9	93.0	99.5	94.4	1.5	4.7	3	<1						28.0	0	4	5	6	1	E	10.0	1	0.0	NH	DM			
6/13/22	10:55	19.5	19.5	16.6	25.3	25.4	26.0	7.9	7.9	7.5	7.4	8.2	7.1	92.1	103.7	86.7	1.2	6.6	10	<1						24.0	1	4	1	6	1	WNW	4.0	1	0.0	RK	DM			
6/28/22	10:40	19.6	19.6	19.5	25.8	25.5	26.1	7.8	7.9	7.8	7.2	7.9	12.0	93.7	101.0	102.0	1.0	4.6	35	<1						22.0	3	4	5	6	1	N	3.0	2	0.0	RA	DM			
7/11/22	11:05	22.0	20.8	19.7	26.5	26.6	27.0	8.0	7.7	7.4	5.7	5.1	4.2	78.2	68.2	54.0	0.8	6.4	13	<1						25.5	0	2	3	6	0	SW	7.0	1	0.0	LP	DM			
7/25/22	9:56	24.3	24.1	22.7	26.7	26.7	27.3	7.7	7.7	7.6	5.0	5.3	4.4	70.3	74.5	60.0	1.2	6.4	4	<1						29.0	0	1	5	6	3	SW	11.0	2	<0.2	LD	DM		Lots of fish	
8/8/22	10:50	24.7	24.6	23.8	27.1	27.1	27.5	7.5	7.5	7.3	4.3	3.7	3.4	60.7	54.0	45.9	1.5	5.5	16	6						30.5	3	2	3	6	1	SW	8.0	1	0.0	LD	DM			
8/22/22	10:15	23.7	23.7	23.2	27.5	27.6	28.0	7.5	7.5	7.3	4.2	3.8	3.6	58.5	52.7	46.5	1.3	6.3	5	2						22.8	0	1	5	6	4	SE	6.0	3	0.0	LD	DM			
9/8/22	10:42	23.4	23.4	23.8	27.9	27.9	28.6	7.6	7.6	7.5	4.6	4.6	3.7	63.5	63.6	51.4	1.9	6.8	4	2						21.0	1	2	4	6	1	NE	12.0	2	0.5	ES	DM			
9/23/22	10:01	21.4	21.4	21.3	27.9	27.9	27.9	7.9	7.9	7.9	7.1	7.1	6.8	94.4	94.4	90.2	1.0	4.2	16	<1						12.0	3	2	5	6	1	NW	20.0	2	1.2	ES	DM			
10/6/22	10:46	16.0	16.0	16.1	26.0	26.1	27.7	8.0	8.0	8.0	8.3	8.3	8.3	99.2	98.4	99.6	2.5	6.2	5	<1						17.0	2	2	3	6	0	NW	6.0	1	0.0	AR	DM			
10/18/22	10:15	16.9	16.9	17.3	27.7	27.6	28.0	8.0	8.0	8.0	8.2	8.4	8.5	100.7	102.6	105.5	3.0	5.1	<1	7						11.0	1	2	5	6	3	W	10.0	3	0.5	ES	DM			

Range-Low	11.4	11.3	11.0	25.3	25.4	26.0	7.5	7.5	7.3	4.2	3.7	3.4	58.5	52.7	45.9	0.8	4.2	<1	<1																				
Range-High	24.7	24.6	23.8	27.9	27.9	28.6	8.3	8.4	8.3	10.5	11.0	12.0	111.6	116.5	119.6	3.0	6.8	35	7																				
Average	19.6	19.5	18.8	26.7	26.7	27.3	7.9	7.8	7.7	6.9	7.0	7.0	86.3	87.8	82.2	1.6	5.7	10	2																				

Average salinity 26.9 Average pH 7.8

Acceptable high and low ranges

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m)
<3.0

Averages for bacteria calculated with <1 values = 1
Fecal >200
Entero >30

LT - Low Tide
TS - Too Shallow
NS - No Sensor

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy				
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low, slack, 4=flooding rising				
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown				
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other				
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%				
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)				
Wind Speed	Use MPH as read from Wind Meter				
Weather	1=fair/sunny, 2=partly cloudy, 3=cloudy, 4=rain, 5=snow, 6=fog				

Site FB-2 - COLD SPRING HARBOR NORTH

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS								PERSONNEL			NOTES				
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Btm	Top	1.0m	Btm	Top	1.0m	Btm	Secchi (m)	Sea floor (m)	Fecal Coliform	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Surface	Cloud Cover	Wind Dir	Wind m/s		Weather	Wave Ht (m)	Data by	Capt
5/3/22	9:49	11.2	11.2	10.7	NS	NS	NS	8.4	8.4	8.3	10.5	10.8	10.5	111.4	114.2	111.9	1.7	5.3	<1	<1									11.7	1	4	5	6	4	N	12.0	3	0.2	ES	DM		
5/16/22	10:08	14.2	14.1	13.5	NS	NS	NS	NS	NS	NS	9.4	9.7	9.8	106.2	110.8	110.3	2.0	6.6	1	<1									23.0	0	4	5	6	4	NW	5.0	3	0.0	NH	DM		
5/31/22	9:12	19.6	19.4	17.5	25.8	25.8	26.0	8.1	8.1	8.0	8.0	9.3	9.7	104.7	117.7	116.3	1.3	5.3	<1	<1									27.0	0	4	5	6	1	E	11.0	1	0.0	NC	DM		
6/13/22	10:05	18.8	18.1	16.1	25.7	25.8	26.1	7.8	7.8	7.7	7.4	7.6	7.2	94.1	95.0	85.8	1.3	6.2	1	1									24.0	1	4	1	6	1	NW	4.0	1	0.0	AR	DM		
6/28/22	9:04	20.0	19.9	19.0	26.0	26.0	26.2	7.9	7.9	7.7	6.8	7.5	7.1	88.1	96.8	88.5	1.3	6.4	5	1									19.0	3	4	5	6	1	N	3.0	2	0.0	EA	DM		
7/11/22	10:35	21.8	21.6	18.8	26.7	26.7	27.1	7.9	7.9	7.5	6.8	5.9	4.8	91.4	79.3	60.2	1.5	7.1	<1	<1									25.0	0	2	3	6	0	SW	7.0	1	0.0	LP	DM		
7/25/22	9:38	25.1	25.1	25.0	26.8	26.8	26.9	8.0	8.0	8.0	7.7	7.8	7.5	109.8	111.3	106.7	1.2	4.3	<1	<1									31.0	0	4	5	6	1	SW	11.0	1	0.0	LD	DM		
8/8/22	10:30	25.3	25.2	22.8	27.4	27.4	27.9	7.7	7.7	7.4	6.0	5.5	4.7	87.1	78.7	63.2	2.0	6.2	<1	<1									30.8	3	2	5	6	1	SW	8.0	1	0.0	LD	DM		
8/22/22	9:45	24.2	24.2	22.9	27.8	27.8	28.4	7.8	7.8	7.5	6.5	5.9	5.3	92.8	83.8	70.9	2.0	6.9	<1	<1									22.8	0	1	5	6	4	SE	6.0	3	0.0	LD	DM		
9/8/22	10:20	23.4	23.4	23.3	28.8	28.8	28.9	7.6	7.6	7.6	4.9	4.8	4.7	68.4	66.7	65.3	1.6	7.6	2	1									21.0	1	4	4	6	1	NE	11.0	2	0.5	ES	DM		
9/23/22	9:40	22.1	22.1	22.1	28.3	28.3	28.3	7.9	7.9	7.9	6.7	6.7	6.7	90.5	90.6	90.4	1.2	6.7	8	2									12.0	3	1	5	6	1	NW	20.0	2	1.1	ES	DM		
10/6/22	10:17	17.1	17.1	17.0	28.3	28.3	28.3	8.0	8.0	8.0	7.6	7.6	7.5	93.1	93.6	92.6	3.7	6.8	1	<1									19.0	2	2	3	6	0	NW	5.0	1	0.0	AR	DM		
10/18/22	9:57	16.9	16.9	17.3	28.0	28.1	28.4	8.1	8.1	7.9	8.7	9.0	9.0	107.0	110.0	111.0	2.3	5.9	3	<1									10.0	1	2	5	6	3	W	10.0	3	0.5	ES	DM		

Range-Low	11.2	11.2	10.7	25.7	25.8	26.0	7.6	7.6	7.4	4.9	4.8	4.7	68.4	66.7	60.2	1.2	4.3	<1	<1																								
Range-High	25.3	25.2	25.0	28.8	28.8	28.9	8.4	8.4	8.3	10.5	10.8	10.5	111.4	117.7	116.3	3.7	7.1	8	2																								
Average	20.0	19.9	18.9	27.2	27.3	27.5	7.9	7.9	7.8	7.5	7.5	7.3	95.7	96.0	90.2	1.8	6.3	2	1																								

Average salinity 27.3 Average pH 7.9

Averages for bacteria calculated with <1 values = 1

LT - Low Tide NS - No Sensor
TS - Too Shallow

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m) <3.0

Fecal >200
Entero >30

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy			
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low, slack, 4=flooding rising			
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown			
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other			
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%			
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)			
Wind Speed	Use MPH as read from Wind Meter			
Weather	1=fair/sunny, 2=partly cloudy, 3=cloudy, 4=rain, 5=snow, 6=fog			

Site FB-3 SEAWANHAKA YACHT CLUB PSTP OUTFALL

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS						PERSONNEL			NOTES						
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Btm	Top	1.0m	Btm	Top	1.0m	Btm	Secchi (m)	Sea floor (m)	Fecal Coli-form	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Surface	Cloud Cover		Wind Dir	Wind m/s	Weather	Wave Ht	Data by	Capt
5/3/22	9:30	11.5	11.5	10.8	NS	NS	NS	8.3	8.3	8.3	9.7	9.8	9.8	103.9	105.0	103.4	1.4	6.4	<1	<1									11.7	1	4	5	6	4	N	12.0	3	0.2	ES	DM		
5/16/22	9:55	14.4	14.4	13.9	NS	NS	NS	NS	NS	NS	9.0	9.2	9.5	102.3	106.5	107.7	1.8	6.2	4	1								22.0	0	4	5	6	4	NW	6.0	3	0.0	NH	DM			
5/31/22	8:58	18.7	18.6	17.8	26.0	25.9	26.0	7.9	7.9	7.9	8.1	8.2	8.2	100.3	101.8	100.3	1.8	4.6	<1	<1								26.0	0	4	5	6	1	E	9.0	1	0.0	NH	DM			
6/13/22	9:47	18.5	18.4	17.7	25.6	25.6	25.7	7.8	7.8	7.7	7.6	7.7	7.5	94.6	95.7	92.0	1.2	5.4	2	<1								24.0	1	4	1	6	0	W	5.0	1	0.0	RK	DM			
6/28/22	9:45	19.5	19.2	19.0	26.1	26.1	26.1	7.8	7.8	7.7	6.8	6.9	6.7	86.4	86.6	84.0	1.3	5.8	24	1								19.0	3	4	5	6	1	N	5.0	2	0.0	EA	DM			
7/11/22	10:30	22.1	21.9	21.2	26.7	26.7	26.7	7.9	7.9	7.7	7.2	6.9	6.2	96.9	91.9	81.5	1.6	6.4	<1	<1								23.9	0	1	3	6	0	SW	6.0	1	0.0	LP	DM			
7/25/22	9:15	24.9	24.8	24.3	26.9	26.9	27.0	7.8	7.8	7.8	6.0	6.1	5.9	85.0	86.3	82.8	1.2	7.4	1	<1								31.0	0	4	3	6	3	SW	12.0	3	<0.2	LD	DM			
8/8/22	10:00	25.0	24.9	24.6	27.5	27.4	27.5	7.6	7.6	7.4	5.9	5.7	5.2	84.3	80.4	70.0	2.0	6.7	2	7								28.3	3	2	5	6	1	SW	8.0	1	0.0	LD	DM			
8/22/22	9:26	23.9	23.9	23.9	27.9	27.9	27.9	7.6	7.6	7.6	5.7	5.7	5.8	80.3	79.4	80.0	1.6	6.9	<1	<1								22.8	0	1	5	3	4	SE	6.0	3	0.0	LD	DM			
9/8/22	9:56	23.4	23.4	23.3	28.6	28.6	28.7	7.6	7.6	7.6	5.0	4.9	4.8	69.9	68.2	66.4	2.0	5.3	8	2								21.0	1	4	4	6	2	NE	12.0	2	0.5	ES	DM			
9/23/22	9:32	21.9	21.9	21.9	28.2	28.4	28.4	7.8	7.8	7.8	7.3	6.9	6.8	98.3	93.6	91.2	1.2	2.9	1	1								12.0	3	4	5	6	1	NW	18.0	2	0.5	ES	DM			
10/6/22	9:57	16.6	16.7	16.8	28.0	28.0	28.2	8.0	8.0	8.0	7.5	7.5	7.5	91.4	91.9	91.2	3.0	5.1	5	<1								16.0	2	2	3	4	0	NW	5.0	1	0.0	AR	DM			
10/18/22	9:44	17.1	17.1	17.0	28.3	28.3	28.3	8.0	8.0	8.0	8.5	8.4	8.4	104.4	103.8	103.6	3.0+	5.3	3	<1								10.0	1	2	5	6	2	W	9.0	2	0.3	ES	DM			

Range-Low	11.5	11.5	10.8	25.6	25.6	25.7	7.6	7.6	7.4	5.0	4.9	4.8	69.9	68.2	66.4	1.2	2.9	<1	<1																								
Range-High	25.0	24.9	24.6	28.6	28.6	28.7	8.3	8.3	8.3	9.7	9.8	9.8	104.4	106.5	107.7	3.0	7.4	24	7																								
Average	19.8	19.7	19.4	27.2	27.3	27.3	7.8	7.8	7.8	7.2	7.2	7.1	92.2	91.6	88.8	1.7	5.7	4	2																								

Average salinity 27.3 Average pH 7.8

Averages for bacteria calculated with <1 values = 1

LT - Low Tide NS - No Sensor
TS - Too Shallow

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m) <3.0

Fecal >200
Enterococci >30

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy					
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low, slack, 4=flooding rising					
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown					
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other					
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%					
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)					
Wind Speed	Use MPH as read from Wind Meter					
Weather	1=fair/Sunny, 2=partly cloudy, 3=cloudy, 4=rain, 5=snow, 6=fog					

Site FB-4 - OYSTER BAY COVE

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS								PERSONNEL			NOTES	
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Btm	Top	1.0m	Btm	Secchi (m)	Sea floor (m)	Fecal Coli-form	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Sur-face	Cloud Cover	Wind Dir	Wind m/s	Weat her	Wave Ht (m)	Data by		Capt
5/3/22	9:07	11.6	11.6	11.5	NS	NS	NS	8.2	8.2	8.2	9.8	9.9	10.0	104.5	105.9	106.6	1.7	2.4	1	<1							11.0	1	4	5	6	4	NE	12.0	3	0.2	ES	DM	
5/16/22	9:40	15.2	14.7	14.2	NS	NS	NS	NS	NS	NS	9.0	9.3	9.4	102.7	107.1	107.6	1.8	2.8	3	<1							22.0	0	4	5	6	3	NW	6.0	2	0.0	NH	DM	
5/31/22	8:41	19.9	19.9	19.9	25.6	25.7	25.7	7.9	7.9	7.9	7.4	7.6	7.6	93.6	96.1	96.1	?	1.1	12	<1							26.0	0	3	5	6	1	E	9.0	1	0.0	NH	DM	
6/13/22	9:20	19.5	19.5	19.1	25.5	25.5	25.5	7.7	7.7	7.7	7.2	7.2	7.3	90.6	91.7	91.7	0.9	3.1	15	<1							24.0	1	4	1	6	1	NW	3.0	1	0.0	ES	DM	
6/28/22	9:07	20.1	20.0	20.1	25.7	25.7	25.8	7.7	7.7	7.7	7.8	6.8	6.8	87.0	87.5	87.5	1.1	2.6	26	<1							19.0	3	4	5	6	3	N	5.0	2	0.0	EA	DM	
7/11/22	9:49	22.8	22.5	22.1	26.6	26.6	26.6	7.8	7.8	7.7	6.7	6.7	6.8	91.4	90.5	90.8	1.2	3.4	<1	<1							24.4	0	1	5	6	0	SW	6.0	1	0.0	LP	DM	
7/25/22	8:55	25.2	25.2	24.3	26.6	26.7	26.9	7.9	7.9	7.7	5.6	6.0	5.9	81.5	86.0	80.9	1.2	3.4	3	2							31.0	0	4	5	6	2	SW	11.0	1	0.0	LD	DM	
8/8/22	9:25	25.4	25.5	24.9	27.4	27.3	27.4	7.7	7.7	7.4	5.0	5.0	5.1	72.8	72.3	69.1	1.8	3.6	7	1							28.3	3	2	5	6	2	SW	8.0	2	0.0	LD	DM	
8/22/22	9:00	24.0	24.1	24.1	27.7	27.7	27.8	7.5	7.5	7.5	5.0	5.0	5.3	69.4	70.4	73.7	1.3	3.5	5	<1							22.2	0	1	5	6	4	SE	5.0	3	0.0	LD	DM	
9/8/22	9:24	23.4	23.4	23.3	28.2	28.2	28.2	7.6	7.6	7.6	5.1	5.1	5.0	69.9	69.9	69.1	1.3	4.4	19	4							21.0	1	4	4	6	1	NE	12.0	2	0.5	ES	DM	
9/23/22	9:18	20.8	20.5	20.3	27.9	28.0	27.9	7.9	7.9	7.9	7.2	7.1	7.0	94.6	92.9	91.7	1.0	3.6	19	7							12.0	3	4	5	6	1	NW	19.0	2	0.9	ES	DM	
10/6/22	9:38	15.6	15.6	15.6	26.7	26.9	27.3	8.0	8.0	8.0	8.0	7.9	7.9	94.3	93.7	94.1	3.1	4.1	15	2							15.0	2	2	3	6	0	NW	6.0	1	0.0	AR	DM	
10/18/22	9:25	16.4	16.4	16.5	27.6	27.6	27.6	8.0	8.0	8.0	8.8	8.8	8.8	106.7	106.3	106.3	2.8+	3.6	1	<1							10.0	1	2	5	6	2	W	9.0	2	0.3	ES	DM	

Range-Low	11.6	11.6	11.5	25.5	25.5	25.5	7.5	7.5	7.4	5.0	5.0	5.0	69.4	69.9	69.1	0.9	1.1	1	<1																				
Range-High	25.4	25.5	24.9	28.2	28.2	28.2	8.2	8.2	8.2	9.8	9.9	10.0	106.7	107.1	107.6	3.1	4.4	26	7																				
Average	20.0	19.9	19.7	26.9	26.9	27.0	7.8	7.8	7.8	7.1	7.1	7.1	89.2	90.0	89.6	1.5	3.2	10	2																				

Average salinity 26.9

Average pH 7.8

Averages for bacteria calculated with <1 values = 1

LT - Low Tide
NS - No Sensor
TS - Too Shallow

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m)
<3.0

Fecal >200
Enterococci >30

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy				
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low slack, 4=flooding rising				
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown				
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other				
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%				
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)				
Wind Speed	Use MPH as read from Wind Meter				

Site FB-5 - OYSTER BAY STP OUTFALL AT WHITES CREEK

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS										PERSONNEL			NOTES
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Btm	Top	1.0m	Btm	Secchi (m)	Sea floor (m)	Fecal Coli-form	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Surface	Cloud Cover	Wind Dir	Wind m/s	Weather	Wave Ht (m)	Data by	Capt	Lead	
5/3/22	8:20	11.5	11.5	TS	NS	NS	NS	8.2	8.2	TS	9.6	9.7	TS	103.0	103.8	TS	1.3	1.8	<1	<1							10.6	1	4	5	6	4	N	6.0	3	0.2	ES	DM		
5/16/22	9:20	15.0	14.9	14.4	NS	NS	NS	NS	NS	NS	9.0	9.2	9.4	104.9	106.7	108.1	1.9	2.8	9	<1						22.0	0	4	5	6	2	NW	6.0	1	0.0	NH	DM			
5/31/22	8:25	18.8	18.6	18.5	25.8	25.8	25.9	7.9	7.9	7.9	8.0	8.1	8.1	98.3	100.5	100.2	1.1	1.8	14	<1						26.0	0	3	5	6	1	E	9.0	1	0.0	NH	DM			
6/13/22	8:55	19.7	19.2	18.9	25.6	25.5	25.5	7.7	7.7	7.6	7.1	7.3	6.9	91.4	91.6	86.1	1.1	3.4	3	2						22.0	1	4	1	6	0	NW	4.0	1	0.0	RK	DM			
6/28/22	8:57	23.0	20.3	20.2	25.8	25.8	25.8	7.8	7.8	7.7	7.1	7.0	6.9	90.7	89.9	88.4	1.1	3.1	6	1						18.0	3	4	5	6	3	N	5.0	2	0.0	EA	DM			
7/11/22	9:35	22.1	22.1	21.8	26.4	26.5	28.6	7.7	7.7	7.6	5.9	5.5	5.5	78.9	74.4	72.0	1.0	4.2	3	2						23.9	0	1	3	6	0	SW	6.0	1	0.0	LP	DM			
7/25/22	8:34	24.7	24.7	22.6	26.7	26.7	27.3	7.8	7.8	7.6	5.1	5.7	4.9	74.4	80.5	66.5	1.5	3.8	9	4						28.0	0	4	5	6	2	SW	12.0	2	0.0	LD	DM			
8/8/22	8:45	25.0	25.0	24.7	27.3	27.3	27.4	7.5	7.5	7.4	5.0	4.9	5.5	71.0	69.2	75.3	2.0	3.4	5	12						27.8	3	1	5	6	4	SW	8.0	2	0.0	LD	DM			
8/22/22	8:40	24.1	24.1	24.0	27.7	27.7	27.7	7.6	7.6	7.5	5.1	5.1	5.6	71.8	71.4	76.5	1.8	3.7	<1	6						22.2	0	4	5	6	4	SE	3.0	3	0.0	LD	DM			
9/8/22	9:08	23.3	23.3	23.3	28.2	28.2	28.2	7.6	7.6	7.6	5.5	5.4	5.0	76.4	74.0	69.1	2.9	3.9	16	1						20.0	1	4	4	6	1	NE	12.0	2	0.5	ES	DM			
9/23/22	9:02	20.7	20.7	20.7	28.1	28.0	28.0	7.8	7.8	7.8	7.0	7.0	6.9	92.8	91.9	90.5	1.2	3.8	46	7						12.0	3	4	5	6	1	NW	15.0	2	0.6	ES	DM			
10/6/22	9:28	15.6	15.6	15.6	27.1	27.1	27.4	8.0	8.0	7.9	7.8	7.8	7.8	92.5	92.6	92.2	3.0	4.1	12	6						15.0	2	4	3	6	0	NW	6.0	1	0.0	AR	DM			
10/18/22	9:12	16.8	16.9	17.2	27.8	28.0	28.1	8.0	8.0	8.0	8.4	8.4	8.4	103.0	102.5	103.1	3.0+	3.3	11	6						10	1	2	5	6	2	W	9.0	2	0.2	ES	DM			

Range-Low	11.5	11.5	14.4	25.6	25.5	25.5	7.5	7.5	7.4	5.0	4.9	4.9	71.0	69.2	66.5	1.0	1.8	<1	<1																				
Range-High	25.0	25.0	24.7	28.2	28.2	28.6	8.2	8.2	7.9	9.6	9.7	9.4	104.9	106.7	108.1	3.0	4.2	46	12																				
Average	20.0	19.8	20.2	27.0	27.0	27.3	7.8	7.8	7.7	7.0	7.0	6.7	88.4	88.4	85.7	1.7	3.3	10	4																				

Average salinity 27.1 Average pH 7.8

Averages for bacteria calculated with <1 values = 1

LT - Low Tide NS - No Sensor
TS - Too Shallow

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m)
<3.0

Fecal ≥200
Enterococci >30

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy				
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low, slack, 4=flooding rising				
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown				
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other				
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%				
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)				
Wind Speed	Use MPH as read from Wind Meter				
Weather	1=fair/Sunny, 2=partly cloudy, 3=cloudy, 4=rain, 5=snow, 6=fog				

Site FB-6 BEEKMAN BEACH

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS						PERSONNEL			NOTES				
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Btm	Top	1.0m	Btm	Secchi (m)	Sea floor (m)	Fecal Coli-form	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Surface	Cloud Cover	Wind Dir	Wind m/s	Weather		Wave Ht (m)	Data by	Capt	Lead
5/3/22	7:40	11.6	11.7	11.7	NS	NS	NS	8.3	8.3	8.2	9.7	9.6	9.7	103.2	103.6	104.4	1.3	3.7	15	<1							11.0	1	4	5	6	4	NNE	11.0	3	0.3	ES	DM		
5/16/22	9:00	15.7	15.6	15.3	NS	NS	NS	NS	NS	NS	9.2	9.5	9.6	108.8	111.6	111.6	1.1	4.7	9	<1							19.0	0	4	5	6	2	NW	4.0	1	0.0	NH	DM		
5/31/22	7:54	20.0	19.8	19.1	25.7	25.8	25.7	7.9	7.9	7.8	7.8	8.0	7.8	98.9	100.8	97.6	1.5	3.6	4	<1							25.0	0	3	5	6	1	E	8.0	1	0.0	NH	DM		
6/13/22	8:15	20.5	20.5	19.9	25.0	25.2	25.4	7.7	7.7	7.7	7.5	7.7	7.5	96.5	99.5	96.1	0.9	4.9	13	2							22.0	1	4	1	6	0	NW	5.0	1	0.0	A?	DM		
6/28/22	8:00	21.2	21.2	21.1	25.4	25.4	25.5	7.9	7.9	7.8	7.3	7.3	7.2	95.0	95.4	92.9	1.8	3.7	10	1							18.0	3	4	1	6	3	N	5.0	3	0.0	ES	DM		
7/11/22	8:35	22.7	22.7	22.1	26.4	26.4	26.4	7.7	7.7	7.6	5.9	6.9	5.5	79.4	93.4	73.7	1.1	5.6	3	<1							21.1	0	4	5	6	0	SW	6.0	1	0.0	LP	DM		
7/25/22	7:50	25.8	25.7	24.7	26.7	26.7	26.7	7.9	7.9	7.6	6.0	6.4	5.6	88.6	92.4	77.3	1.1	4.9	4	3							27.2	0	4	5	6	2	SW	11.0	2	0.0	LD	DM		
8/8/22	7:38	25.7	25.6	24.9	27.1	27.2	27.4	7.7	7.6	7.5	5.1	4.8	4.3	73.9	68.3	60.4	1.5	4.7	10	6							26.7	3	4	5	-	0	SW	8.0	1	0.0	LD	DM		
8/22/22	7:40	24.7	24.7	24.7	27.5	27.6	27.6	7.8	7.9	8.2	6.2	6.2	6.2	87.9	88.0	87.0	1.7	1.9	5	2							21.7	0	4	5	6	4	SE	3.0	3	0.0	LD	DM		
9/8/22	8:27	22.0	23.5	23.3	26.9	28.0	28.0	7.7	7.6	7.6	5.7	5.6	5.2	75.5	76.9	71.4	0.5	6.0	170	33							19.4	1	4	4	6	3	NE	8.0	2	0.5	ES	DM		
9/23/22	7:35	21.6	21.6	21.6	27.9	27.9	27.9	7.7	7.7	7.7	6.8	6.5	7.1	90.9	87.3	94.5	1.3	3.4	24	21							12.0	3	4	5	6	1	NW	16.0	1	0.5	ES	DM		
10/6/22	8:32	14.8	14.8	15.1	26.8	26.8	27.1	7.9	7.9	7.9	7.9	7.9	7.8	92.2	92.3	91.5	2.9	5.7	9	2							16.0	2	4	3	6	0	NW	5.0	1	0.0	AR	DM		
10/18/22	8:29	16.9	17.1	17.1	27.5	27.8	28.0	8.0	8.0	7.9	8.4	8.3	8.4	102.3	102.2	103.6	3.6	5.5	17	14							9.0	1	2	5	6	4	W	8.0	3	0.5	ES	DM		

Range-Low	11.6	11.7	11.7	25.0	25.2	25.4	7.7	7.6	7.5	5.1	4.8	4.3	73.9	68.3	60.4	0.5	1.9	3	<1																				
Range-High	25.8	25.7	24.9	27.9	28.0	28.0	8.3	8.3	8.2	9.7	9.6	9.7	108.8	111.6	111.6	3.6	6.0	170	33																				
Average	20.2	20.3	20.0	26.6	26.8	26.9	7.9	7.8	7.8	7.2	7.3	7.1	91.8	93.2	89.4	1.6	4.5	23	7																				

Average salinity 26.8 Average pH 7.8

Averages for bacteria calculated with <1 values = 1

LT - Low Tide
NS - No Sensor
TS - Too Shallow

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m)
<3.0

Fecal ≥200
Enterococci >30

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy				
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low, slack, 4=flooding rising				
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown				
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other				
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%				
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)				
Wind Speed	Use MPH as read from Wind Meter				
Weather	1=fair/Sunny, 2=partly cloudy, 3=cloudy, 4=rain, 5=snow, 6 =fog				

Site FB-7 - MILL NECK CREEK SOUTH

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS						PERSONNEL			NOTES			
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Bitm	Top	1.0m	Bitm	Secchi (m)	Sea floor (m)	Fecal Coli-form	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Surface	Cloud Cover	Wind Dir	Wind m/s	Wave Ht (m)		Wave Ht (m)	Data by	Capt
5/3/22	11:25	13.4	TS	TS	NS	NS	NS	8.1	TS	TS	9.1	TS	TS	100.1	TS	TS	0.8	1.2	7	<1						13.0	1	4	5	6	4	NE	12.0	3	0.2	ES	DM		
5/16/22	TS	TS	TS	TS	NS	NS	NS	NS	NS	NS	TS	TS	TS	TS	TS	TS	TS	TS	TS							0	4	5		2				1		NH	DM		
5/31/22	10:16	21.9	TS	TS	25.2	TS	TS	7.8	TS	TS	7.5	TS	TS	99.1	TS	TS		0.9	18	<1					30.0	0	4	5	6	1	SE	10.0	1	0.0	NH	DM			
6/13/22	12:28	21.5	21.1	TS	24.9	25.3	TS	7.6	7.6	TS	7.0	7.6	TS	93.2	98.6	TS	0.6	7.9	320	1				22.0	1	2	1	6	3	W	5.0	3	0.0	ES	DM				
6/28/22	12:18	22.6	22.5	TS	24.6	24.9	TS	7.6	7.6	TS	6.8	6.8	TS	90.4	90.7	TS	0.6	1.9	110	3				23.0	3	4	5	6	1	N	3.0	1	0.0	AV	DM				
7/11/22	7:40	24.1	TS	TS	25.8	TS	TS	7.6	TS	TS	5.5	TS	TS	75.7	TS	TS	0.8	1.5	63	46				21.1	0	4	5	6	0	SW	3-4	1	0.0	LP	DM				
7/25/22	11:05	27.3	27.2	TS	25.7	26.1	TS	7.9	7.9	TS	6.4	6.6	TS	95.7	97.5	TS	0.7	1.9	50	19				29.0	0	2	5	6	4	SW	13	3	0.0	LD	DM		We took accu		
8/8/22	12:10	TS	TS	TS	27.9	TS	TS	27.0	TS	TS	7.7	TS	TS	6.4	TS	TS	94.1	0.6	1.0	41	15			30.6	3	2	3	6	1	SW	9	1	0.0	LD	DM				
8/22/22	11:30	25.8	Check?	Check?	26.4	27.1	27.1	7.6	7.5	7.5	4.8	4.9	4.9	69.3	68.4	68.4	0.7	1.3	43	3				23.3	0	2	5	6	4	SE	6	3	0.0	LD	DM				
9/8/22	12:26	22.7	TS	TS	26.3	TS	TS	7.5	TS	TS	4.6	TS	TS	62.1	TS	TS	0.7	1.0	350	20				22.0	1	2	4	6	1	NE	10	2	0.3	ES	DM				
9/23/22	10:43	18.8	18.8	TS	25.7	25.8	TS	7.7	7.7	TS	6.5	6.4	TS	84.2	80.7	TS	0.7	1.8	84	16				13.0	3	2	5	6	1	NW	19	1	0.2	ES	DM				
10/6/22	11:46	14.7	TS	14.9	25.1	TS	26.3	7.7	TS	7.7	7.4	TS	7.4	84.7	TS	85.5	1.0	1.5	90	9				19.0	2	4	3	6	0	NW	5	1	0.0	AR	DM				
10/18/22	7:52	16.5	16.7	TS	25.7	26.4	TS	7.8	7.8	TS	7.6	7.4	TS	90.6	89.4	TS	1.0	1.3	53	52				9.0	1	2	5	6	4	W	8	3	0.3	ES	DM				

Range-Low	13.4	16.7	14.9	24.6	24.9	26.3	7.5	7.5	7.5	4.6	4.9	4.9	62.1	68.4	68.4	0.6	0.9	7	<1																		
Range-High	27.3	27.2	27.9	26.4	27.1	27.1	8.1	7.9	7.7	9.1	7.6	7.4	100.1	98.6	94.1	1.0	7.9	350	52																		
Average	20.8	21.2	21.4	25.5	25.9	26.8	7.7	7.7	7.6	6.6	6.6	6.2	85.9	87.6	82.7	0.7	1.9	102	16																		

Average salinity 26.1 Average pH 7.7

Averages for bacteria calculated with <1 values = 1

LT - Low Tide
NS - No Sensor
TS - Too Shallow

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m)
<3.0

Fecal ≥200
Enterococci >30

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low, slack, 4=flooding rising
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)
Wind Speed	Use MPH as read from Wind Meter
Weather	1=fair/Sunny, 2=partly cloudy, 3=cloudy, 4=rain, 5=snow, 6=fog

Site FB-8 - MILL NECK CREEK NORTH

DATE	TIME	WATER TEMPERATURE			SALINITY			PH			DISSOLVED OXYGEN			% SATURATION			DEPTH		BACTERIA		NITROGEN						CONDITIONS						PERSONNEL			NOTES																									
		Top 0.5m	1.0 m	0.5 m from BTM	Top	1.0m	btm	Top	1.0m	0.5m from Btm	Top	1.0m	Btm	Top	1.0m	Btm	Top	1.0m	Btm	Secchi (m)	Sea floor (m)	Fecal Coli-form	Enterococci	NH3	NO2	NO3	TKN	Org	TN	Air Temp (°C)	Rain in 24hrs	Tidal Stage	Water Color	Surface	Cloud Cover		Wind Dir	Wind m/s	Weather	Wave Ht (m)	Data by	Capt	Lead																		
5/3/22	11:07	12.7	12.7	TS	NS	NS	NS	8.1	8.1	TS	9.1	9.2	TS	99.0	100.6	TS	0.8	2.4	5	<1								13.0	1	4	5	6	4	ENE	12.0	3	0.2	ES	DM																						
5/16/22	TS	TS	TS	TS	NS	NS	NS	NS	NS	NS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS								0	4	5	6	2			1		NH	DM																						
5/31/22	10:06	21.4	TS	TS	25.4	TS	TS	7.8	TS	TS	7.5	TS	TS	98.1	TS	TS											29.0	0	4	5	6	1	SE	9.0	1	0.0	NH	DM																							
6/13/22	12:15	21.8	20.8	20.4	25.5	25.6	25.6	7.8	7.8	7.8	7.3	7.2	7.7	97.1	101.1	99.0	0.7	2.6	49	<1							23.9	1	2	1	6	1	WNW	5.0	2	0.2	ES	DM																							
6/28/22	12:25	22.9	22.2	TS	25.4	25.5	TS	7.8	7.8	TS	7.0	7.2	TS	94.3	95.6	TS	1.0	2.1	21	1							23.0	3	4	5	6	1	N	3.0	1	0.0	A?	DM																							
7/11/22	7:55	23.2	23.2	TS	26.1	26.2	TS	7.7	7.7	TS	6.1	6.1	TS	82.5	82.6	TS	0.8	1.8	14	10							21.1	0	4	5	6	0	SW	2.0	1	0.0	LP	DM																							
7/25/22	11:15	27.4	27.2	26.7	26.1	26.2	26.4	8.0	7.9	7.9	6.6	6.9	6.4	98.4	101.2	94.1	0.9	1.9	16	<1							29.4	0	2	5	6	4	SW	12.0	3	0.0	LD	DM																							
8/8/22	TOO SHALLOW COULD NOT REACH SITE																																																												
8/22/22	11:35	25.6	25.5	25.5	27.0	27.1	27.1	7.6	7.6	7.6	5.7	5.9	5.9	80.7	83.8	83.8	0.7	1.4	11	4							23.3	0	2	5	4/6	4	SE	6.0	3	0.0	LD	DM		1 dead fish																					
9/8/22	12:31	23.3	TS	TS	26.5	TS	TS	7.5	TS	TS	5.2	TS	TS	71.8	TS	TS	TS	1.0	56	2							22.0	1	2	4	6	1	NE	10.0	2	1.0	ES	DM																							
9/23/22	10:52	21.2	21.1	TS	27.8	27.8	TS	7.8	7.8	TS	6.7	6.8	TS	89.6	90.1	TS	0.8	2.2	5	1							13.0	3	4	5	6	0	NW	19.0	1	0.2	ES	DM																							
10/6/22	11:15	15.0	TS	15.2	26.2	TS	26.6	7.8	TS	7.8	7.7	TS	7.8	89.0	TS	90.4	0.9	1.6	20	3							19.0	2	2	3	6	0	NW	5.0	1	0.0	AR	DM																							
10/18/22	8:02	16.3	16.7	TS	26.5	26.9	TS	7.9	7.9	TS	8.3	7.8	TS	99.6	94.6	TS	1.2	1.7	25	7							9.0	1	2	5	6	4	W	7.0	3	0.3	ES	DM																							

Range-Low	12.7	12.7	15.2	25.4	25.5	25.6	7.5	7.6	7.6	5.2	5.9	5.9	71.8	82.6	83.8	0.7	0.9	5	<1
Range-High	27.4	27.2	26.7	27.8	27.8	27.1	8.1	8.1	7.9	9.1	9.2	7.8	99.6	101.2	99.0	1.2	2.6	56	10
Average	21.0	21.2	22.0	26.3	26.5	26.4	7.8	7.8	7.8	7.0	7.1	6.9	90.9	93.7	91.8	0.9	1.8	21	3

Average salinity 26.4 Average pH 7.8

Averages for bacteria calculated with <1 values = 1

LT - Low Tide
NS - No Sensor
TS - Too Shallow

pH >8.1
pH <7.7

DO >8.0
DO <5.0

% Sat >100
% Sat <50

Depth (m)
<3.0

Fecal ≥200
Enterococci >30

Rainfall in previous 24 hours	0=none, 1=light, 2=moderate, 3=heavy
Tidal Stage	1=high slack, 2=ebbing/falling, 3=low, slack, 4=flooding rising
Water color	1=brown, 2=red brown, 3=green, 4=yellow brown, 5=green brown
Surface Conditions	1=algal bloom, 2=oil slick, 3=foam, 4=dead fish, 5=debris, 6=other
Cloud Cover	0=no clouds, 1=<25%, 2=25-50%, 3=50-75% 4=75-100%
Wind Direction	Use Cardinal and Semi-cardinal Headings (ex. NW, S, SE)
Wind Speed	Use MPH as read from Wind Meter
Weather	1=fair/Sunny, 2=partly cloudy, 3=cloudy, 4=rain, 5=snow, 6=fog