

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 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	Lead	
5/1/23	11:11	11.9	11.7	10.9	26.0	26.8	26.4	7.9	7.9	7.9	8.3	8.6	9.1	89.3	92.2	89.5	1.5	5.9	1	3							15.0	3	2	4	6	3	SW	15.0	1	0.3	ES	Dan		
5/18/23	10:15	16.5	16.4	16.0	0.02	0.02	0.02	8.1	8.1	8.1	11.1	11.5	10.9	112.9	116.7	110.0	1.2	6.7	<1	<1						11.0	0	4	4	6	0	E	4.0	1	0.2	ES	Dan		Salinity meter malfunctioned, so it	
5/30/23	10:18	17.4	17.4	15.9	25.3	25.3	25.8	8.0	8.0	8.0	7.6	6.8	7.5	7.2	81.9	90.1	84.0	1.3	4.9	7	<1					16.0	0	2	4	6	1	ENE	9.0	1	0.3	ES	Dan			
6/6/23	9:05	17.8	17.8	16.9	25.2	25.1	26.0	8.0	8.0	7.7	7.2	7.3	7.1	88.3	89.5	86.1	1.3	4.6	104	71						18.0	0	4	4	6	4	W	8.0	3	0.0	ES	Dan			
6/20/23	9:43	20.3	20.2	17.5	25.3	25.3	26.3	7.9	7.9	7.8	6.3	6.6	6.5	81.3	85.0	81.0	1.0	5.0	46	1						19.0	0	4	4	6	4	E	8.0	3	0.5	ES	Dan			
7/5/23	9:34	22.7	22.6	21.8	25.9	26.1	26.8	8.0	7.9	7.6	6.1	6.8	7.1	81.9	91.9	93.6	0.6	4.7	180	53						26.0	2	4	4	5	0	N	5.0	1	0.5	S	Dan			
7/18/23	9:53	24.2	24.0	23.2	26.4	26.5	27.0	7.7	7.7	7.4	5.6	5.8	5.7	77.6	80.3	77.3	1.4	5.6	14	90						25.0	0	4	4	6	4	SSW	4.0	3	0.5	ES	Dan			
8/1/23	9:54	25.1	25.1	24.1	25.8	25.8	26.8	7.8	7.8	7.5	4.4	4.7	4.5	61.6	65.2	61.6	1.4	6.4	7	1						22.0	0	4	5	0	1	NNE	11.0	1	1.0	S	Dan			
8/15/23	9:40	24.1	24.1	24.1	25.9	26.1	26.2	7.6	7.6	7.6	5.0	5.1	5.7	69.8	71.4	79.3	1.6	6.6	18	8						27.0	3	4	5	6	4	N	1.0	3	0.0	S	Dan			
8/29/23	10:14	23.6	23.6	23.4	26.1	26.1	26.6	7.7	7.6	7.4	4.7	4.3	3.1	64.8	58.8	42.4	1.6	6.7	5	4						22.0	0	1	5	0	4	NE	5.0	3	1.0	S	Dan			
9/19/23	10:08	21.5	21.5	21.5	25.4	25.4	25.6	7.7	7.7	7.7	6.6	6.3	6.1	86.3	82.4	79.5	1.5	4.9	11	<1						19.0	1	4	5	6	0	WNW	12.0	1	0.6	ES	Dan			

Range-Low	11.9	11.7	10.9	0.0	0.0	0.0	7.6	7.6	7.4	4.4	4.3	3.1	61.6	58.8	42.4	0.6	4.6	<1	<1																				
Range-High	25.1	25.1	24.1	26.4	26.8	27.0	8.1	8.1	8.1	11.1	11.5	10.9	112.9	116.7	110.0	1.6	6.7	50	90																				
Average	20.5	20.4	19.6	23.4	23.5	23.9	7.8	7.8	7.7	6.6	6.8	6.6	81.4	84.0	80.4	1.3	5.6	35	21																				

Average salinity 23.6

Average pH 7.8

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)

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	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	Lead		
5/1/23	11:01	11.6	11.6	10.9	26.1	26.1	26.4	8.0	7.9	7.9	8.81	8.84	9.09	92.3	94.7	96.1	2.0	6.0	1	<1							15.0	3	2	4	6	2	SW	15.0	1	0.61		Dan			
5/18/23	9:43	15.7	15.7	14.9	0.0	0.0	0.0	8.1	8.1	8.0	10.5	10.6	10.6	104.9	105.9	103.8	1.7	7.4	<1	<1						11.0	0	4	4	6	1	ENE	5.0	1	0.2	ES	Dan				Salinity meter malfunctioned, so it
5/30/23	9:58	17.5	17.5	13.9	25.6	25.6	26.2	8.0	8.0	7.8	8.3	8.3	7.7	100.3	99.6	87.1	2.0	6.7	<1	<1						16.0	0	2	4	6	0	ENE	10.0	1	0.3	ES	Dan				
6/6/23	8:50	17.8	17.8	16.8	25.4	25.5	26.1	8.0	8.0	7.8	7.9	8.1	7.2	97.7	100.0	87.2	1.6	5.0	11	32						17.0	0	4	4	6	4	W	8.0	3	0.0	ES	Dan				
6/20/23	9:23	20.7	20.6	17.8	25.5	25.6	26.3	8.1	8.1	7.9	6.8	7.5	7.9	89.6	97.7	98.2	1.4	5.6	4	3						19.0	0	4	4	6	4	E	8.0	3	0.5	ES	Dan				
7/5/23	9:17	24.0	23.6	20.7	26.5	26.6	27.1	8.2	8.2	7.8	7.4	8.3	7.3	101.7	113.1	95.0	1.5	5.2	3	15						24.0	2	4	4	6	0	NNE	5.0	1	0.5	S	Dan				
7/18/23	9:33	24.9	24.8	23.9	26.7	26.8	26.9	7.9	7.9	7.6	8.8	8.8	7.1	123.2	123.2	97.5	1.4	5.7	1	<1						26.0	0	4	4	6	4	SSW	4.0	3	0.5	ES	Dan				
8/1/23	9:34	24.2	24.2	24.0	26.8	26.8	26.9	7.7	7.7	7.6	5.5	5.5	5.1	76.6	73.4	69.6	1.7	7.0	<1	<1						23.0	0	4	5	0	1	NNE	10.0	1	1.0	S	Dan				
8/15/23	9:25	24.2	24.2	22.8	26.5	26.5	27.0	7.7	7.7	7.5	5.7	5.4	79.1	79.7	73.6	1.7	7.0	<1	<1						24.0	3	4	5	6	4	N	1.0	3	0.0	S	Dan					
8/29/23	9:55	23.5	23.5	23.3	26.6	26.6	26.8	7.7	7.7	7.6	5.6	5.4	4.9	75.7	73.1	66.3	2.0	7.5	<1	<1						21.0	0	1	5	6	4	NE	5.0	3	1.0	S	Dan				
9/19/23	9:43	21.8	21.8	21.7	26.1	26.1	26.1	7.8	7.8	7.7	6.1	6.1	6.0	80.6	79.7	78.6	1.6	5.3	180	2						18.0	1	4	5	6	0	WNW	11.0	1	1.0	ES	Dan				

Range-Low	11.6	11.6	10.9	0.0	0.0	0.0	7.7	7.7	7.5	5.5	5.4	4.9	75.7	73.1	66.3	1.4	5.0	<1	<1																					
Range-High	24.9	24.8	24.0	26.8	26.8	27.1	8.2	8.2	8.0	10.5	10.6	10.6	123.2	123.2	103.8	2.0	7.5	11	32																					
Average	20.5	20.5	19.2	23.8	23.8	24.1	7.9	7.9	7.7	7.4	7.5	7.1	92.9	94.6	86.6	1.7	6.2	19	5																					

Average salinity 23.9

Average pH 7.9

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)

Site FB-3 SEAWANHAKA YACHT CLUB PSTP

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 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	Lead	
5/1/23	10:36	11.6	11.6	10.8	26.1	26.0	26.4	8.0	8.0	7.9	8.6	8.9	8.9	92.0	93.8	93.2	1.8	5.9	<1	<1							15.0	3	2	4	6	1	SW	15.0	1	0.3	ES	Dan		
5/18/23	9:23	15.9	15.9	15.9	0.0	0.0	0.0	8.0	8.0	7.9	10.1	10.1	10.1	101.2	101.4	101.4	1.7	7.4	3	35						10.0	0	4	4	6	0	ENE	4.0	1	0.2	ES	Dan		Salinity meter malfunctioned, so i	
5/30/23	9:42	17.2	17.2	15.9	25.7	25.7	25.9	8.0	8.0	7.8	7.5	7.8	7.5	89.4	93.5	88.0	0.9	6.7	<1	<1						16.0	0	2	4	6	0	ENE	10.0	0	0.3	ES	Dan			
6/6/23	8:36	18.1	18.1	18.3	25.7	25.8	25.8	10.4	10.4	10.2	7.9	7.9	7.8	98.8	98.5	97.5	1.5	3.7	<1	1						18.0	0	4	4	6	4	W	8.0	3	0.0	ES	Dan			
6/20/23	9:05	20.5	20.5	18.1	25.7	25.7	26.2	7.9	7.9	7.8	7.4	7.4	7.0	96.3	96.5	88.0	1.6	8.1	<1	5						19.0	0	4	4	6	4	NE	8.0	3	0.5	ES	Dan			
7/5/23	8:59	23.0	23.0	22.0	26.7	26.7	26.9	7.8	7.8	7.8	6.8	6.8	6.7	92.5	92.6	89.0	1.5	7.3	2	1						24.0	2	4	4	6	0	N	4.0	1	0.5	S	Dan			
7/18/23	9:06	25.0	24.7	24.0	26.9	27.0	27.0	7.8	7.8	7.6	6.3	6.3	6.2	87.9	88.5	86.3	1.5	7.2	<1	<1						26.0	0	4	4	6	4	SSW	4.0	3	0.0	ES	Dan			
8/1/23	9:19	24.2	24.2	23.7	26.7	26.7	26.9	7.7	7.7	7.6	5.1	5.1	5.0	69.9	69.9	69.1	1.5	7.5	2	<1						22.0	0	4	5	0	1	NNE	10.0	2	1.0	S	Dan			
8/15/23	9:08	24.3	24.3	24.0	26.5	26.5	26.6	7.6	7.6	7.6	6.0	6.0	6.0	84.2	84.3	83.3	1.4	7.1	16	9						23.0	3	4	4	6	4	SW	6.0	3	0.0	S	Dan			
8/29/23	9:26	23.7	23.7	23.5	26.5	26.5	25.6	7.7	7.7	7.6	5.7	5.5	5.3	78.3	75.4	72.1	1.7	6.9	1	1						21.0	0	5	5	0	4	NE	5.0	3	1.0	S	Dan			
9/19/23	9:10	21.9	21.9	21.9	26.0	26.0	26.1	7.7	7.7	7.7	6.0	6.0	5.9	79.1	79.7	78.4	2.2	11.6	9	<1						18.0	1	4	5	6	0	WNW	11.0	1	0.5	ES	Dan			

Range-Low	11.6	11.6	10.8	0.0	0.0	0.0	7.6	7.6	7.6	5.1	5.1	5.0	69.9	69.9	69.1	0.9	3.7	<1	<1																			
Range-High	25.0	24.7	24.0	26.9	27.0	27.0	10.4	10.4	10.2	10.1	10.1	10.1	101.2	101.4	101.4	2.2	11.6	16	35																			
Average	20.5	20.5	19.8	23.9	23.9	23.9	8.0	8.0	8.0	7.0	7.1	7.0	88.1	88.6	86.0	1.6	7.2	3	5																			

Average salinity 23.9

Average pH 8.0

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)

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 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	Lead	
5/1/23	10:12	12.2	12.2	12.2	25.6	25.6	25.6	7.9	7.9	7.9	9.0	9.0	9.1	97.5	97.6	98.9	1.3	3.1	5	<1							15.0	3	2	4	6	1	SW	14.0	1	0.3	ES	Dan		
5/18/23	8:40	15.8	15.9	15.9	0.0	0.0	0.0	7.9	8.0	8.0	9.8	9.7	9.7	98.7	97.3	97.3	1.1	3.3	4	300						9.0	0	4	4	6	0	ENE	5.0	1	0.0	ES	Dan		Salinity meter malfunctioned, so it	
5/30/23	9:17	17.7	17.7	17.6	25.6	25.6	25.6	7.9	7.9	7.9	8.2	8.2	7.9	99.2	98.7	95.5	1.3	3.7	<1	<1						15.0	0	2	4	6	0	ENE	9.0	1	0.2	ES	Dan			
6/6/23	8:22	18.1	18.0	17.6	25.6	25.7	26.0	7.8	7.8	7.8	7.4	7.4	7.1	92.0	91.6	87.6	1.2	2.0	9	18						17.0	0	4	4	6	4	W	7.0	3	0.0	ES	Dan			
6/20/23	8:42	20.2	19.9	19.8	25.7	25.8	25.8	7.8	7.8	7.8	7.4	7.4	7.1	95.8	95.1	91.6	1.0	2.3	37	1						19.0	0	4	4	6	4	E	8.0	3	0.5	ES	Dan			
7/5/23	8:36	23.3	23.1	23.1	26.6	26.6	26.6	7.7	7.6	7.7	6.7	6.6	6.5	90.6	89.9	88.0	0.9	1.7	21	57						24.0	2	4	4	6	0	N	1.0	1	0.0	S	Dan			
7/18/23	8:45	24.8	24.5	24.4	26.7	26.9	26.9	7.6	7.7	7.6	6.3	6.3	6.1	88.7	87.2	85.4	1.7	2.3	4	14						26.0	0	4	4	6	4	SSW	4.0	3	0.0	ES	Dan			
8/1/23	8:48	25.0	24.9	24.9	26.6	26.5	26.6	7.6	7.6	7.6	5.5	5.4	5.1	77.0	74.7	70.8	1.0	2.9	2	<1						21.0	0	4	5	0	1	N	10.0	2	1.0	S	Dan			
8/15/23	8:40	24.2	24.3	24.2	26.1	26.3	26.4	7.5	7.5	7.5	6.2	6.1	5.9	85.7	84.9	82.7	1.3	3.2	70	120						22.0	3	4	4	6	4	NE	6.0	3	0.0	S	Dan			
8/29/23	8:54	23.9	24.0	23.9	26.1	26.2	26.6	7.7	7.7	7.6	6.2	6.1	6.1	84.9	83.4	83.1	1.5	4.0	16	4						21.0	0	4	5	0	4	NE	5.0	3	0.5	S	Dan			
9/19/23	8:35	20.5	20.4	TS	25.0	25.0	TS	7.7	7.6	TS	5.6	5.9	TS	71.5	75.2	TS	1.3	1.8	90	9						17.0	1	4	5	6	0	W	11.0	1	0.5	ES	Dan			

Range-Low	12.2	12.2	12.2	0.0	0.0	0.0	7.5	7.5	7.5	5.5	5.4	5.1	71.5	74.7	70.8	0.9	1.7	<1	<1																					
Range-High	25.0	24.9	24.9	26.7	26.9	26.9	7.9	8.0	8.0	9.8	9.7	9.7	99.2	98.7	98.9	1.7	4.0	70	300																					
Average	20.5	20.4	20.4	23.6	23.7	23.6	7.7	7.7	7.7	7.1	7.1	7.1	89.2	88.7	88.1	1.2	2.7	24	48																					

Average salinity 23.6

Average pH 7.7

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)

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 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	Lead	
5/1/23	9:53	11.8	12.0	11.2	25.9	25.8	26.2	8.0	8.0	7.9	8.3	8.7	8.6	89.7	92.9	91.2	1.5	3.6	5	<1							15.0	3	2	4	6	0	SW	14.0	1	0.2	ES	Dan		
5/18/23	8:25	15.9	15.9	15.9	0.0	0.0	0.0	8.0	8.0	8.0	9.7	9.9	9.8	97.8	99.3	99.0	1.2	3.4	2	5						9.0	0	4	4	4	0	ENE	5.0	1	0.2	ES	Dan		Salinity meter malfunctioned, so i	
5/30/23	9:08	17.5	17.5	17.4	25.5	25.5	25.6	7.9	7.9	7.8	7.9	7.7	7.6	95.6	92.3	91.5	1.0	3.7	1	2						15.0	0	2	4	6	0	ENE	9.0	1	0.3	ES	Dan			
6/6/23	8:10	18.1	18.1	18.3	25.7	25.8	25.8	10.4	10.4	10.2	8.0	7.9	7.8	98.8	98.5	97.5	1.1	2.0	6	8						17.0	0	4	4	6	4	W	7.0	3	0.0	ES	Dan			
6/20/23	8:28	20.5	20.5	20.5	25.6	25.7	25.6	7.9	7.9	7.8	7.5	7.5	7.5	98.3	98.3	98.4	1.5	2.4	2	2						19.0	0	2	4	6	4	E	8.0	3	0.5	ES	Dan			
7/5/23	8:22	23.1	23.0	22.9	26.6	26.7	26.6	7.9	7.7	7.7	6.9	7.0	6.9	94.0	94.6	93.1	1.3	2.0	7	5						24.0	2	4	4	6	0	NW	1.0	1	0.0	S	Dan			
7/18/23	8:34	24.6	24.6	24.5	26.7	26.8	26.9	7.7	7.7	7.7	6.5	6.5	6.3	91.0	91.1	88.2	1.3	2.6	1	<1						26.0	0	4	6	6	4	SSW	4.0	3	0.0	ES	Dan			
8/1/23	8:35	24.1	24.1	24.3	26.6	26.6	26.6	7.7	7.7	7.7	6.0	5.9	5.8	83.9	82.4	81.4	1.0	1.8	<1	2						20.0	0	4	5	0	1	N	10.0	2	1.0	S	Dan			
8/15/23	8:27	24.3	24.3	24.3	26.1	26.2	26.2	7.5	7.5	7.4	5.9	5.8	5.6	82.8	81.1	78.3	1.0	3.2	60	200						22.0	3	4	5	6	4	ENE	6.0	3	0.0	S	Dan			
8/29/23	8:36	24.0	24.0	23.9	26.3	26.2	26.2	7.6	7.6	7.7	6.0	6.0	6.1	82.7	82.5	82.8	1.6	4.4	4	<1						21.0	0	4	5	0	4	NE	5.0	3	0.5	S	Dan			
9/19/23	8:25	21.4	21.4	21.6	25.7	25.6	25.8	7.7	7.7	7.7	6.5	6.5	6.6	85.0	84.6	80.6	1.3	2.4	47	5						16.0	1	2	5	6	0	W	11.0	1	0.5	ES	Dan			

Range-Low	11.8	12.0	11.2	0.0	0.0	0.0	7.5	7.5	7.4	5.9	5.8	5.6	82.7	81.1	78.3	1.0	1.8	<1	<1																				
Range-High	24.6	24.6	24.5	26.7	26.8	26.9	10.4	10.4	10.2	9.7	9.9	9.8	98.8	99.3	99.0	1.6	4.4	60	200																				
Average	20.5	20.5	20.4	23.7	23.7	23.8	8.0	8.0	8.0	7.2	7.2	7.2	90.9	90.7	89.3	1.3	2.9	12	21																				

Average salinity 23.7

Average pH 8.0

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)

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 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	Lead	
5/1/23	9:10	12.3	12.2	11.9	25.4	25.5	25.7	7.9	7.9	7.9	8.5	8.6	8.5	92.3	92.0	91.6	1.5	5.0	3	<1							14.0	3	1	4	6	1	SW	14.0	1	0.2	ES	Dan		
5/18/23	7:50	16.4	16.5	16.4	0.0	0.0	0.0	9.6	9.4	8.7	9.2	9.4	8.9	93.2	95.3	90.6	1.2	3.8	4	20						9.0	0	4	4	6	0	ENE	5.0	1	0.0	ES	Dan		Salinity meter malfunctioned, so it	
5/30/23	8:17	18.6	18.4	18.3	25.1	25.2	25.4	7.8	7.8	7.8	7.4	7.4	7.4	90.0	90.1	90.4	1.0	3.9	2	9						14.0	0	2	4	6	0	ENE	10.0	1	0.2	ES	Dan			
6/6/23	7:48	18.1	18.1	18.3	25.7	25.8	25.8	10.4	10.4	10.2	7.9	7.9	7.8	98.8	98.5	97.5	1.8	2.1	32	30						17.0	0	4	4	6	4	W	7.0	3	0.0	ES	Dan			
6/20/23	8:12	20.8	20.8	21.0	25.8	25.9	25.9	8.8	8.7	8.5	6.8	7.0	7.2	89.0	92.0	95.2	1.4	4.0	7	80						18.0	0	2	4	6	4	E	8.0	3	0.5	ES	Dan			
7/5/23	7:53	23.8	23.8	23.3	26.4	26.5	26.6	7.8	7.8	7.7	7.2	7.2	7.1	98.6	99.4	96.8	1.1	3.0	27	55						22.0	2	4	4	6	0	NW	1.0	1	0.0	S	Dan			
7/18/23	8:14	24.8	24.7	24.7	26.5	26.5	26.5	7.6	7.6	7.6	6.5	6.5	6.5	90.9	91.1	90.9	1.4	2.4	2	5						25.0	0	4	6	6	4	SSW	4.0	3	0.0	ES	Dan			
8/1/23	8:00	24.2	24.4	24.2	26.2	26.1	26.1	7.5	7.5	7.5	5.7	5.4	5.0	78.5	75.3	68.9	0.3	2.0	250	53						20.0	0	3	5	0	1	NE	10.0	2	1.0	S	Dan			
8/15/23	7:55	24.6	24.5	24.5	25.6	26.1	26.1	8.4	8.3	8.1	6.2	6.1	6.0	87.2	85.9	84.0	1.5	2.2	540	570						23.0	3	4	4	6	4	SW	7.0	3	0.0	S	Dan			
8/29/23	7:50	24.2	TS	TS	25.9	TS	TS	7.7	TS	TS	6.8	TS	TS	93.8	TS	TS	1.5	0.8	34	62						21.0	0	4	5	0	4	E	0.0	3	0.0	S	Dan			
9/19/23	7:54	21.6	21.6	21.9	25.4	25.5	25.9	8.6	9.1	9.6	6.0	5.8	5.8	77.9	76.3	76.8	1.8	2.9	21	4						15.0	1	2	5	6	0	W	9.0	1	0.5	ES	Dan			

Range-Low	12.3	12.2	11.9	0.0	0.0	0.0	7.5	7.5	7.5	5.7	5.4	5.0	77.9	75.3	68.9	0.3	0.8	2	<1																			
Range-High	24.8	24.7	24.7	26.5	26.5	26.6	10.4	10.4	10.2	9.2	9.4	8.9	98.8	98.4	97.5	1.8	5.0	540	570																			
Average	20.8	20.5	20.4	23.5	23.3	23.4	8.4	8.4	8.4	7.1	7.1	7.0	90.0	89.6	88.3	1.3	2.9	84	81																			

Average salinity 23.4

Average pH 8.4

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)

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	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	Lead	
5/1/23	8:25	12.2	12.4	12.5	21.3	23.3	23.3	7.8	7.8	7.8	8.5	8.2	8.1	89.0	88.2	86.9	1.1	1.7	51	18							13.0	3	4	4	6	0	SW	12.0	1	0.2	ES	Dan		
5/18/23	11:28	16.6	16.6	16.6	0.0	0.0	0.0	7.8	7.9	7.9	9.7	9.6	9.6	98.8	97.6	97.6	1.0	2.4	15	3						13.0	0	1	4	6	0	E	4.0	1	0.0	ES	Dan		Salinity meter malfunctioned, so i	
5/30/23	7:41	19.6	TS	TS	24.8	TS	TS	8.1	TS	TS	7.2	TS	TS	89.9	TS	TS	1.0	0.9	20	13						13.0	0	2	4	6	0	ENE	10.0	1	0.2	ES	Dan			
6/6/23	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	ES	Dan		
6/20/23	10:52	22.3	TS	TS	24.7	TS	TS	7.7	TS	TS	7.4	TS	TS	99.9	TS	TS	TS	1.2	40	13						20.0	0	4	4	6	4	ENE	8.0	3	0.5	ES	Dan			
7/5/23	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	ES	Dan			
7/18/23	10:51	26.9	TS	26.8	25.8	TS	25.9	7.8	TS	7.8	7.4	TS	7.7	107.1	TS	111.7	0.7	1.7	11	<1						28.0	0	4	4	6	4	S	5.0	3	0.0	ES	Dan			
8/1/23	11:12	25.6	25.4	25.2	26.2	26.4	26.6	7.7	7.6	7.6	5.7	5.7	5.8	80.8	80.9	81.6	0.9	2.4	100	9					24.0	0	4	5	0	1	NNE	9.0	1	1.0	S	Dan				
8/15/23	10:50	25.0	25.1	25.0	23.8	24.8	25.3	7.4	7.5	7.4	5.9	5.8	5.2	82.5	80.7	72.8	0.3	2.4	>600	>600					25.0	3	4	4	6	4	NE	1.0	3	0.0	S	Dan				
8/29/23	11:14	24.7	24.6	24.5	25.2	25.7	25.9	7.5	7.6	7.7	5.5	6.0	6.0	76.0	82.1	82.0	0.5	2.3	180	51					22.0	0	1	5	0	4	NE	5.0	3	1.0	S	Dan				
9/19/2023	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	ES	Dan				

Range-Low	12.2	12.4	12.5	0.0	0.0	0.0	7.4	7.5	7.4	5.5	5.7	5.2	76.0	80.7	72.8	0.3	0.9	11	<1
Range-High	26.9	25.4	26.8	26.2	26.4	26.6	8.1	7.9	7.9	9.7	9.6	9.6	107.1	97.6	111.7	1.1	2.4	>600	>600
Average	21.6	20.8	21.8	21.5	20.0	21.2	7.7	7.7	7.7	7.2	7.1	7.1	90.5	85.9	88.8	0.8	1.9	127	89

Average salinity 20.9

Average pH 7.7

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)

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	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	Lead	
5/1/23	8:08	12.5	12.7	12.7	23.7	24.5	24.7	9.1	8.6	8.3	8.6	8.4	8.3	92.2	91.5	90.0	1.5	1.7	25	14							12.0	3	4	4	6	0	SW	12.0	1	0.2	ES	Dan		
5/18/23	11:36	16.7	16.6	16.5	0.0	0.0	0.0	7.9	7.9	7.9	9.9	9.8	9.7	100.6	99.4	98.9	1.3	2.5	5	3							13.0	0	1	4	6	0	E	4.0	1	0.2	ES	Dan		Salinity meter malfunctioned, so i
5/30/23	7:50	19.5	TS	TS	24.9	TS	TS	7.7	TS	TS	7.5	TS	TS	92.9	TS	TS	1.2	0.9	<1	3							13.0	0	2	4	6	0	ENE	10.0	1	0.2	ES	Dan		
6/6/23	9:45	18.4	TS	TS	25.7	TS	TS	10.4	TS	TS	7.9	TS	TS	98.8	TS	TS	TS	TS	124	127							19.0	0	4	4	6	4	W	8.0	4	0.5	ES	Dan		
6/20/23	11:00	22.1	22.1	TS	24.9	24.9	TS	7.7	7.7	TS	7.2	7.2	TS	96.1	95.9	TS	TS	1.5	6	3							21.0	0	4	4	6	4	ENE	8.0	3	0.5	ES	Dan		
7/5/23	10:33	24.8	TS	TS	26.5	TS	TS	7.5	TS	TS	5.9	TS	TS	82.1	TS	TS	0.5	1.0	190	290							26.0	2	4	4	6	0	N	5.0	1	0.5	S	Dan		
7/18/23	11:59	26.4	26.4	TS	26.0	26.0	TS	7.7	7.7	TS	7.0	7.0	TS	100.7	100.1	TS	0.7	1.5	31	<1							29.0	0	4	4	6	4	S	5.0	3	0.5	ES	Dan		
8/1/23	11:20	25.6	25.5	25.4	26.4	26.5	26.6	7.7	7.7	7.7	6.1	6.0	5.9	85.9	85.0	83.7	1.2	2.5	18	2							24.0	0	4	5	0	1	NNE	9.0	1	1.0	S	Dan		
8/15/23	10:55	25.1	25.1	24.8	25.3	25.2	26.0	7.5	7.5	7.5	5.8	5.8	5.6	81.4	81.1	78.8	0.7	2.6	70	58							24.0	3	4	5	6	4	NE	1.0	3	0.0	S	Dan		
8/29/23	11:21	24.5	24.5	24.4	25.6	25.8	25.9	7.6	7.6	7.6	6.1	6.1	6.0	83.3	83.6	82.4	0.5	2.5	59	21							22.0	0	1	5	0	4	NE	5.0	3	1.0	S	Dan		
9/19/23	11:24	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS								20.0	1	TS	TS	TS	TS	TS	TS	TS	ES	Dan		

Range-Low	12.5	12.7	12.7	0.0	0.0	0.0	7.5	7.5	7.5	5.8	5.8	5.6	81.4	81.1	78.8	0.5	0.9	<1	<1																						
Range-High	26.4	26.4	25.4	26.5	26.5	26.6	10.4	8.6	8.3	9.9	9.8	9.7	100.7	100.1	98.9	1.5	2.6	190	290																						
Average	21.5	21.8	20.8	22.9	21.9	20.6	8.1	7.8	7.8	7.2	7.2	7.1	91.4	90.9	86.8	0.9	1.8	53	52																						

Average salinity 21.8

Average pH 7.9

Acceptable high and low ranges

Averages for bacteria calculated with <1 values = 1

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

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
Wave Height	Height of waves in feet (Ft) to the nearest 0.5 Feet (Example: 1.5 Ft)