

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 i
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		

Range-Low	11.9	11.7	10.9	0.0	0.0	0.0	7.7	7.7	7.4	5.6	5.8	5.7	77.6	80.3	77.3	0.6	4.6	<1	<1
Range-High	24.2	24.0	23.2	26.4	26.8	27.0	8.1	8.1	8.1	11.1	11.5	10.9	112.9	116.7	110.0	1.5	6.7	50	90
Average	18.7	18.6	17.5	22.0	22.2	22.6	7.9	7.9	7.7	7.3	7.7	7.6	87.6	92.2	88.8	1.2	5.3	50	31

Average salinity 22.3

Average pH 7.9

Acceptable high and low ranges

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
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	Sur-face	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 i	
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				

Range-Low	11.6	11.6	10.9	0.0	0.0	0.0	7.9	7.9	7.6	6.8	7.5	7.1	89.6	94.7	87.1	1.4	5.0	<1	<1																				
Range-High	24.9	24.8	23.9	26.7	26.8	27.1	8.2	8.2	8.0	10.5	10.6	10.6	123.2	123.2	103.8	2.0	7.4	11	32																				
Average	18.9	18.8	17.0	22.3	22.3	22.7	8.0	8.0	7.8	8.4	8.6	8.1	101.4	104.9	95.0	1.7	5.9	4	8																				

Average salinity 22.4

Average pH 8.0

Acceptable high and low ranges

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
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	Sur-face	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			

Range-Low	11.6	11.6	10.8	0.0	0.0	0.0	7.8	7.8	7.6	6.3	6.3	6.2	87.9	88.5	86.3	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	1.8	8.1	3	35
Average	18.8	18.7	17.8	22.4	22.4	22.6	8.3	8.2	8.2	7.8	7.9	7.8	94.0	95.0	91.9	1.5	6.6	1	6

Average salinity 22.5

Average pH 8.2

Acceptable high and low ranges

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
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 i	
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			

Range-Low	12.2	12.2	12.2	0.0	0.0	0.0	7.6	7.6	7.6	6.3	6.3	6.1	88.7	87.2	85.4	0.9	1.7	<1	<1
Range-High	24.8	24.5	24.4	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	3.7	37	300
Average	18.9	18.8	18.6	22.3	22.3	22.4	7.8	7.8	7.8	7.8	7.7	7.7	94.6	93.9	92.0	1.2	2.6	12	56

Average salinity 22.3

Average pH 7.8

Acceptable high and low ranges

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
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	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
5/1/23	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			

Range-Low	11.8	12.0	11.2	0.0	0.0	0.0	7.7	7.7	7.7	6.5	6.5	6.3	89.7	91.1	88.2	1.0	2.0	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	1.5	3.7	7	8																							
Average	18.8	18.8	18.7	22.3	22.3	22.4	8.2	8.2	8.2	7.8	7.9	7.8	95.0	95.3	94.1	1.3	2.8	3	3																							

Average salinity 22.3

Average pH 8.2

Acceptable high and low ranges

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
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	Sur-face	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 i	
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			

Range-Low	12.3	12.2	11.9	0.0	0.0	0.0	7.6	7.6	7.6	6.5	6.5	6.5	89.0	90.1	90.4	1.0	2.1	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	99.4	97.5	1.8	5.0	32	80
Average	19.2	19.2	19.1	22.1	22.2	22.3	8.6	8.5	8.3	7.6	7.7	7.6	93.3	94.1	93.3	1.3	3.5	11	29

Average salinity 22.2

Average pH 8.5

Acceptable high and low ranges

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
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	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	2	4	4	TS	TS	TS	TS	TS	TS	S	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			

Range-Low	12.2	12.4	12.5	0.0	0.0	0.0	7.7	7.8	7.8	7.2	8.2	7.7	89.0	88.2	86.9	0.7	0.9	15	3																			
Range-High	26.9	16.6	26.8	25.8	23.3	25.9	8.1	7.9	7.9	9.7	9.6	9.6	107.1	97.6	111.7	1.1	2.4	51	18																			
Average	19.5	14.5	18.6	19.3	11.7	16.4	7.8	7.8	7.8	8.0	8.9	8.5	96.9	92.9	98.7	1.0	1.6	27	10																			

Average salinity 15.8 Average pH 7.8

Acceptable high and low ranges

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
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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	Sur-face	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			

Range-Low	12.5	12.7	12.7	0.0	0.0	0.0	7.5	7.7	7.9	5.9	7.0	8.3	82.1	91.5	90.0	0.5	0.9	<1	3
Range-High	26.4	26.4	16.5	26.5	26.0	24.7	10.4	8.6	8.3	9.9	9.8	9.7	100.7	100.1	98.9	1.5	2.5	190	290
Average	20.0	19.4	14.6	21.7	18.9	12.4	8.3	8.0	8.1	7.7	8.1	9.0	94.8	96.7	94.5	1.0	1.5	55	63

Average salinity 17.6

Average pH 8.1

Acceptable high and low ranges

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)
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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)