

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 | | | |
| 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 | | | |

| | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|-------|-------|-------|-----|-----|----|----|
| Range-Low | 11.9 | 11.7 | 10.9 | 0.0 | 0.0 | 0.0 | 7.6 | 7.6 | 7.4 | 4.4 | 4.7 | 4.5 | 61.6 | 65.2 | 61.6 | 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 | 20.0 | 19.9 | 18.9 | 22.9 | 23.0 | 23.5 | 7.9 | 7.9 | 7.7 | 6.8 | 7.1 | 7.1 | 82.7 | 86.9 | 84.7 | 1.3 | 5.6 | 42 | 25 |

Average salinity 23.1

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-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 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 | | | | |
| 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 | 5.7 | 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 | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|-------|-------|-------|-----|-----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Range-Low | 11.6 | 11.6 | 10.9 | 0.0 | 0.0 | 0.0 | 7.7 | 7.7 | 7.5 | 5.5 | 5.5 | 5.1 | 76.6 | 73.4 | 69.6 | 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 | 7.4 | 11 | 32 | | | | | | | | | | | | | | | | | | | | | |
| Average | 20.1 | 20.0 | 18.4 | 23.2 | 23.3 | 23.6 | 8.0 | 8.0 | 7.8 | 7.7 | 7.9 | 7.5 | 96.2 | 98.6 | 89.8 | 1.7 | 6.2 | 3 | 6 | | | | | | | | | | | | | | | | | | | | | |

Average salinity 23.4

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 | 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 | | | |
| 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 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-----|-----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 1.8 | 8.1 | 16 | 35 | | | | | | | | | | | | | | | | | | | | |
| Average | 20.0 | 19.9 | 19.2 | 23.3 | 23.3 | 23.5 | 8.1 | 8.1 | 8.0 | 7.3 | 7.4 | 7.3 | 90.2 | 91.0 | 88.4 | 1.5 | 6.8 | 3 | 6 | | | | | | | | | | | | | | | | | | | | |

Average salinity 23.4

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) |
| 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 | Sur-face | 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 | | | |
| 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 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 77.0 | 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 | 3.7 | 70 | 300 | | | | | | | | | | | | | | | | | | | | |
| Average | 20.1 | 20.1 | 20.0 | 23.2 | 23.2 | 23.3 | 7.7 | 7.8 | 7.7 | 7.4 | 7.3 | 7.2 | 91.7 | 90.8 | 88.6 | 1.2 | 2.7 | 17 | 57 | | | | | | | | | | | | | | | | | | | | |

Average salinity 23.2 Average pH 7.7

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 | 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 it | |
| 5/30/23 | 9:08 | 17.5 | 17.5 | 17.4 | 25.5 | 25.5 | 25.6 | 7.9 | 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 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|-----|-----|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 82.8 | 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 | 1.5 | 3.7 | 60 | 200 | | | | | | | | | | | | | | | | | | | | |
| Average | 20.0 | 20.0 | 19.9 | 23.2 | 23.2 | 23.3 | 8.1 | 8.1 | 8.0 | 7.4 | 7.4 | 7.3 | 92.4 | 92.3 | 91.0 | 1.2 | 2.7 | 9 | 25 | | | | | | | | | | | | | | | | | | | | |

Average salinity 23.2

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) |
| 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 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 | | | |
| 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 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 78.5 | 75.3 | 68.9 | 0.3 | 2.0 | 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 | 540 | 570 | | | | | | | | | | | | | | | | | | | |
| Average | 20.4 | 20.4 | 20.3 | 23.0 | 23.1 | 23.1 | 8.4 | 8.4 | 8.2 | 7.3 | 7.3 | 7.2 | 90.9 | 91.1 | 89.5 | 1.2 | 3.2 | 96 | 91 | | | | | | | | | | | | | | | | | | | |

Average salinity 23.0

Average pH 8.3

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 | 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 | 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 | 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 | | | |
| 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 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-------|------|-------|-----|-----|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Range-Low | 12.2 | 12.4 | 12.5 | 0.0 | 0.0 | 0.0 | 7.4 | 7.5 | 7.4 | 5.7 | 5.7 | 5.2 | 80.8 | 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 | 21.2 | 19.9 | 21.2 | 20.9 | 18.6 | 20.2 | 7.8 | 7.7 | 7.7 | 7.4 | 7.3 | 7.3 | 92.6 | 86.9 | 90.1 | 0.8 | 1.8 | 120 | 94 | | | | | | | | | | | | | | | | | | | |

Average salinity 19.9 Average pH 7.7

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-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 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-------|-------|------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 21.2 | 21.4 | 19.8 | 22.6 | 21.2 | 19.3 | 8.1 | 7.9 | 7.8 | 7.3 | 7.4 | 7.4 | 92.3 | 92.2 | 87.9 | 1.0 | 1.8 | 52 | 56 | | | | | | | | | | | | | | | | | | | | |

Average salinity 21.0

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) |