

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 Cover | 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          |         |              |      |

|            |      |      |      |      |      |      |     |     |     |      |      |      |       |       |       |     |     |      |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|-------|-------|-------|-----|-----|------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 4.6 | <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 | 2.1 | 6.8 | 35   | 6   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average    | 20.1 | 19.9 | 19.0 | 26.5 | 26.5 | 27.1 | 7.8 | 7.8 | 7.6 | 6.5  | 6.8  | 6.8  | 82.7  | 84.6  | 77.4  | 1.4 | 5.8 | 10.8 | 1.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average salinity 26.7 Average pH 7.7

Averages for bacteria

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

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

calculated with <1 values = 1  
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-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 Coli-form | Enter o-cocci | 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  | 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       | A?          | 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            |          |     |     |     |     | 30.0 | 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      |       |      |      |

|            |      |      |      |      |      |      |     |     |     |      |      |      |       |       |       |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|-------|-------|-------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 2.0 | 7.1 | 5   | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average    | 20.4 | 20.2 | 19.0 | 26.9 | 26.9 | 27.2 | 7.9 | 7.9 | 7.7 | 7.4  | 7.5  | 7.1  | 95.4  | 95.4  | 87.9  | 1.6 | 6.2 | 1.5 | 1.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average salinity 27.0      Average pH 7.9

LT - Low Tide      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     |  |  |  |

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   | 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 | Lead |
| 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      |      |      |

|            |      |      |      |      |      |      |     |     |     |     |     |     |       |       |       |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 4.6 | <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 | 103.9 | 106.5 | 107.7 | 2.0 | 7.4 | 24  | 7   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average    | 20.2 | 20.1 | 19.6 | 26.9 | 26.9 | 27.0 | 7.8 | 7.8 | 7.7 | 7.1 | 7.1 | 7.0 | 90.4  | 90.2  | 86.8  | 1.6 | 6.1 | 4.5 | 1.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average salinity 26.9 Average pH 7.8

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     |

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 | Surface | Cloud Cover | Wind Dir | Wind m/s  | Weather | 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      |      |

|            |      |      |      |      |      |      |     |     |     |     |     |      |       |       |       |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|-------|-------|-------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Range-Low  | 11.6 | 11.6 | 11.5 | 25.5 | 25.5 | 25.5 | 7.5 | 7.5 | 7.5 | 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 | 104.5 | 107.1 | 107.6 | 1.8 | 4.4 | 26  | 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average    | 20.7 | 20.6 | 20.4 | 26.6 | 26.7 | 26.7 | 7.8 | 7.8 | 7.7 | 6.8 | 6.9 | 6.9  | 86.3  | 87.7  | 87.3  | 1.4 | 3.0 | 9.2 | 1.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average salinity 26.7 Average pH 7.8

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                                    |  |  |  |

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 | Sur-face | Cloud Cover | Wind Dir  | Wind m/s | 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      |      |      |

|            |      |      |      |      |      |      |     |     |     |     |     |     |       |       |       |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 28.2 | 8.2 | 8.2 | 7.9 | 9.6 | 9.7 | 9.4 | 104.9 | 106.7 | 108.1 | 2.9 | 4.2 | 16 | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average    | 20.7 | 20.4 | 20.9 | 26.7 | 26.7 | 27.1 | 7.7 | 7.7 | 7.6 | 6.7 | 6.8 | 6.4 | 86.1  | 86.2  | 82.5  | 1.6 | 3.2 | 7  | 3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average salinity 26.8 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-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   |      |       |

|            |      |      |      |      |      |      |     |     |     |     |     |     |       |       |       |     |     |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 3.6 | 3    | <1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Range-High | 25.8 | 25.7 | 24.9 | 27.5 | 28.0 | 28.0 | 8.3 | 8.3 | 8.2 | 9.7 | 9.6 | 9.7 | 108.8 | 111.6 | 111.6 | 1.8 | 6.0 | 170  | 33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average    | 21.0 | 21.1 | 20.7 | 26.3 | 26.5 | 26.6 | 7.9 | 7.8 | 7.8 | 7.0 | 7.2 | 6.9 | 90.8  | 93.0  | 87.2  | 1.3 | 4.4 | 24.3 | 5  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average salinity 26.5 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 | 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  | 11:25 | 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              | 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    | 27.9           | TS       | 27.0 | 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              | ?     | ?              | 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      |       |             |              |      |      |

|            |      |      |      |      |      |      |     |     |     |     |     |     |       |      |      |     |     |       |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-------|------|------|-----|-----|-------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Range-Low  | 13.4 | 21.1 | 27.9 | 24.6 | 24.9 | 27.0 | 7.5 | 7.5 | 7.7 | 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 | 6.4 | 100.1 | 98.6 | 94.1 | 0.8 | 7.9 | 320   | 46 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average    | 22.4 | 23.6 | 27.9 | 25.6 | 25.8 | 27.0 | 7.7 | 7.6 | 7.6 | 6.5 | 6.5 | 5.6 | 85.7  | 88.8 | 81.3 | 0.7 | 2.1 | 111.3 | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Average salinity 26.1

Average pH 7.6

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     |  |  |  |  |





|    |
|----|
| <1 |
| 1  |
| 5  |
| <1 |
| <1 |
| <1 |
|    |
| 2  |

|   |
|---|
| 1 |
| 1 |
| 1 |
| 1 |
| 5 |
| 1 |
| 1 |
| 1 |
|   |
| 2 |
| 2 |