



# Cyanobacteria Bloom Response Field Data Sheet (2023-06-12 v1)

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|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------|--|
| RQ - 2024-03-04-71                                                                        |                                                                                 |                                                                                                                                |                | Collected By:                                                    |            | Andrew Lueling, Natalie Howard                                                    |                                         |                                                                                                                                         |                            |                                                                     |  |
| Customer:                                                                                 |                                                                                 | SE-DIST                                                                                                                        |                | Field Report Prepared By:                                        |            | Andrew Lueling                                                                    |                                         |                                                                                                                                         |                            |                                                                     |  |
| Project ID:                                                                               |                                                                                 | BLOOM_RESP                                                                                                                     |                | Sampling Agency:                                                 |            | SEROC                                                                             |                                         |                                                                                                                                         |                            |                                                                     |  |
| Location: St. Lucie River - Northwest of Roosevelt                                        |                                                                                 |                                                                                                                                |                | Comments:                                                        |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
| Field ID: SEHAB0108                                                                       |                                                                                 |                                                                                                                                |                | Coordinates:                                                     |            | 27.20804, -80.26224                                                               |                                         |                                                                                                                                         |                            |                                                                     |  |
| WIN Secondary Resource Type: Estuary                                                      |                                                                                 |                                                                                                                                |                | Collection Equip:                                                |            | WaterBottle                                                                       |                                         |                                                                                                                                         |                            |                                                                     |  |
| WIN ID: SEHAB0108                                                                         |                                                                                 |                                                                                                                                |                | High Tide Time:                                                  |            | 13:31                                                                             |                                         | Low Tide Time:                                                                                                                          |                            | 08:23                                                               |  |
| Matrix:                                                                                   |                                                                                 | Marine                                                                                                                         |                | Grab                                                             |            | Tide:                                                                             |                                         | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input checked="" type="checkbox"/> Slack <input type="checkbox"/> N/A |                            |                                                                     |  |
| Water Quality                                                                             |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
| Date                                                                                      | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(%)                                                                                                                    | D.O.<br>(mg/L) | Temp<br>(°C)                                                     | pH<br>(SU) | Sample<br>Depth<br>(m)                                                            | Total<br>Depth<br>(m)                   | Secchi<br>Disk<br>(m)                                                                                                                   | Sp. Cond.<br>(µmho/cm)     | Salinity<br>(PPTH)                                                  |  |
| 02/29/2024                                                                                | 12:45                                                                           | 115.5                                                                                                                          | 9.77           | 22.2                                                             | 8.11       | 0.3                                                                               | 1.4                                     | 0.6                                                                                                                                     | 9204                       | 5.16                                                                |  |
|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
|                                                                                           |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
| Bloom Observations                                                                        |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                                 |                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
| Water Clarity                                                                             |                                                                                 | <input type="checkbox"/> Clear                                                                                                 |                | <input type="checkbox"/> Slightly Turbid                         |            | <input checked="" type="checkbox"/> Turbid                                        |                                         | <input type="checkbox"/> Opaque                                                                                                         |                            |                                                                     |  |
| Bloom Color                                                                               |                                                                                 | <input type="checkbox"/> Green                                                                                                 |                | <input type="checkbox"/> Red                                     |            | <input type="checkbox"/> Brown                                                    |                                         | <input type="checkbox"/> Other:                                                                                                         |                            |                                                                     |  |
| Algae Type                                                                                |                                                                                 | <input type="checkbox"/> Planktonic                                                                                            |                | <input type="checkbox"/> Filamentous                             |            | <input type="checkbox"/> Other:                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
| Algae Accumulation                                                                        |                                                                                 | <input type="checkbox"/> Mat                                                                                                   |                | <input type="checkbox"/> Specks                                  |            | <input type="checkbox"/> Scum                                                     |                                         | <input type="checkbox"/> Glob                                                                                                           |                            |                                                                     |  |
| Algae Distribution                                                                        |                                                                                 | <input type="checkbox"/> Surface-Entire                                                                                        |                | <input type="checkbox"/> Surf-Localized                          |            | <input type="checkbox"/> Surf-Windblown                                           |                                         | <input type="checkbox"/> Suspended                                                                                                      |                            | <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |  |
| Parameter Suite                                                                           |                                                                                 | Parameter Methods                                                                                                              |                |                                                                  |            | Preservation                                                                      |                                         | pH<br>Check                                                                                                                             | #Bottles<br>Sent to<br>Lab | Bottle<br>Group                                                     |  |
| Algae (PT-50mL)                                                                           |                                                                                 | <input type="checkbox"/> ALGAL-ID <input checked="" type="checkbox"/> BLOOM-ID                                                 |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                                         |                                                                                                                                         | 1                          | A                                                                   |  |
| Chlorophyll (BP-1L)                                                                       |                                                                                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                                         |                                                                                                                                         | 1                          | C                                                                   |  |
| Toxins (P-125/BG-250)                                                                     |                                                                                 | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                                         |                                                                                                                                         | 1                          | B                                                                   |  |
| Physical/Aggregate                                                                        |                                                                                 | <input checked="" type="checkbox"/> W-COLOR                                                                                    |                |                                                                  |            | <input checked="" type="checkbox"/> Ice                                           |                                         |                                                                                                                                         | 1                          | C                                                                   |  |
| Preserved Nutrients<br>(500mL HDPE)                                                       |                                                                                 | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP                                                        |                |                                                                  |            | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                                         | <input checked="" type="checkbox"/> <2                                                                                                  | 1                          | C                                                                   |  |
|                                                                                           |                                                                                 | Acid Lot:                                                                                                                      |                | SA3340020                                                        |            | Exp:                                                                              |                                         | 12/11/2024                                                                                                                              |                            |                                                                     |  |
| Filtered Nutrients<br>(P125mL)                                                            |                                                                                 | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter |            |                                                                                   | <input checked="" type="checkbox"/> Ice |                                                                                                                                         | 1                          | C                                                                   |  |
|                                                                                           |                                                                                 | Filter Lot #                                                                                                                   |                | 17866251                                                         |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |
| Quantitative Algae                                                                        |                                                                                 | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                |                                                                  |            | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                      |                                         |                                                                                                                                         |                            |                                                                     |  |
| Relinquished By:                                                                          |                                                                                 | Date/Time                                                                                                                      |                | Number of Coolers Shipped                                        |            |                                                                                   | Received By:                            |                                                                                                                                         | Date/Time                  |                                                                     |  |
| Andrew Lueling                                                                            |                                                                                 | 02/29/2024 1600                                                                                                                |                | 1                                                                |            |                                                                                   |                                         |                                                                                                                                         |                            |                                                                     |  |