



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

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|                                                                                           |                                                                                 |                                                                                                                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                    |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|
| RQ - 2023-08-28-71                                                                        |                                                                                 |                                                                                                                                                                                                                                |                | Collected By:                                                    |            | Natalie Howard, Jordan Skaggs                                                     |                                         |                                                                                                                                         |                            |                    |
| Customer:                                                                                 |                                                                                 |                                                                                                                                                                                                                                |                | Field Report Prepared By:                                        |            | Natalie Howard                                                                    |                                         |                                                                                                                                         |                            |                    |
| Project ID:                                                                               |                                                                                 | BLOOM_RESP                                                                                                                                                                                                                     |                | Sampling Agency:                                                 |            | SEROC                                                                             |                                         |                                                                                                                                         |                            |                    |
| Location: C44 Canal - Timer Powers Park                                                   |                                                                                 |                                                                                                                                                                                                                                |                | Comments:                                                        |            |                                                                                   |                                         |                                                                                                                                         |                            |                    |
| Field ID: SEHAB0046                                                                       |                                                                                 |                                                                                                                                                                                                                                |                | Coordinates:                                                     |            | 27.01861, -80.44264                                                               |                                         |                                                                                                                                         |                            |                    |
| WIN Secondary Resource Type: Canal                                                        |                                                                                 |                                                                                                                                                                                                                                |                | Collection Equip:                                                |            | WaterBottle                                                                       |                                         |                                                                                                                                         |                            |                    |
| WIN ID: SEHAB0046                                                                         |                                                                                 |                                                                                                                                                                                                                                |                | High Tide Time:                                                  |            |                                                                                   |                                         | Low Tide Time:                                                                                                                          |                            |                    |
| Matrix:                                                                                   |                                                                                 | Fresh                                                                                                                                                                                                                          |                | Grab                                                             |            | Tide:                                                                             |                                         | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" 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) |
| 09/18/2023                                                                                | 10:30                                                                           | 58.6                                                                                                                                                                                                                           | 4.41           | 30.3                                                             | 7.52       | 0.3                                                                               | 1.28                                    | 0.8                                                                                                                                     | 864                        | 0.42               |
|                                                                                           | 10:42                                                                           | 56.4                                                                                                                                                                                                                           | 4.24           | 30.2                                                             | 7.5        | 0.78                                                                              |                                         |                                                                                                                                         | 862                        | 0.42               |
| Bloom Observations                                                                        |                                                                                 |                                                                                                                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                    |
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                                 |                                                                                                                                                                                                                                |                |                                                                  |            |                                                                                   |                                         |                                                                                                                                         |                            |                    |
| Water Clarity                                                                             |                                                                                 | <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input 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                          | B                  |
| 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                          | B                  |
| 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                          | B                  |
|                                                                                           |                                                                                 | Acid Lot:                                                                                                                                                                                                                      |                | SA3193140                                                        |            | Exp:                                                                              |                                         | 07312024                                                                                                                                |                            |                    |
| 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                          | B                  |
|                                                                                           |                                                                                 |                                                                                                                                                                                                                                |                | Filter Lot # 17347262                                            |            |                                                                                   |                                         |                                                                                                                                         |                            |                    |
| 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                  |                    |
|                                                                                           |                                                                                 | 09/18/2023 16:00                                                                                                                                                                                                               |                | 3                                                                |            |                                                                                   |                                         |                                                                                                                                         |                            |                    |