

RQ- 2023-01-16-15

## Login Checklist

Login Station ID: #3

Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 01/18/2023 @ 09:15

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking #  |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|---------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                     |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                     |
| <u>1.4</u>          |                        |                                        |          | <u>20</u>                             |               | X  |          |    | <u>SPS947310120</u> |
|                     |                        |                                        |          |                                       |               |    |          |    |                     |
|                     |                        |                                        |          |                                       |               |    |          |    |                     |
|                     |                        |                                        |          |                                       |               |    |          |    |                     |
|                     |                        |                                        |          |                                       |               |    |          |    |                     |
|                     |                        |                                        |          |                                       |               |    |          |    |                     |
|                     |                        |                                        |          |                                       |               |    |          |    |                     |
|                     |                        |                                        |          |                                       |               |    |          |    |                     |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes X No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No X

## CONTAINER CHECK

Evidence Tape on Bottles? Yes \_\_\_\_\_ No X NA \_\_\_\_\_ Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_If Criminal, photographs taken? Yes \_\_\_\_\_ No \_\_\_\_\_ Containers intact? Yes X No \_\_\_\_\_Caps on tight? Yes X No \_\_\_\_\_Sufficient Sample Volume: Yes X No \_\_\_\_\_If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

## CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes \_\_\_\_\_ No X Init: BKK

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No \_\_\_\_\_ Init: \_\_\_\_\_

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH < 2.0? Yes X No \_\_\_\_\_ NA \_\_\_\_\_ Init: BKK\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: \_\_\_\_\_

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

Coolers Unpacked/Checked by: BKKDate: 01/18/2023Event contains NCRs(Y/N)? N

EventID: Algal Bloom Response - CEROC  
WQAP-2023-01-18-02 (BLOOM-RESP)  
Date Received: 18-JAN-2023 09:15

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                               |
|--------------------------|-------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #3 Exp:10/17/2023 |
| pH Test Strips 0 – 6     | Lot#223819AV   Exp:8/30/23    |
| pH Paper 0 – 3           |                               |
| pH Paper 0 – 13          | Lot#207621   Exp:3/15/24      |
| Chlorine Test Strips     | Lot#0070   Exp:2/23           |

### ENCORE SAMPLES

**S-VOC-MS samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes \_\_\_\_\_ Init: \_\_\_\_\_

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_



# Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| <b>RQ - 2023-01-16-15</b>                                                                        |                                                                                        | <b>Collected By:</b>                                                                                                           |                                                                                                                                                      | Leif Boman, Jessie Atchison                                                                                   |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Customer:</b>                                                                                 | WQAP                                                                                   | <b>Field Report Prepared By:</b>                                                                                               |                                                                                                                                                      | Jessie Atchison                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                             | <b>Sampling Agency:</b>                                                                                                        |                                                                                                                                                      | CEROC                                                                                                         |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Location:</b> Sunset Lake - W Shore                                                           |                                                                                        |                                                                                                                                | <b>Comments:</b> 70 degrees F and Sunny                                                                                                              |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Field ID:</b> HABCE0165_SunsetLake                                                            |                                                                                        |                                                                                                                                | <b>Coordinates:</b> 28.53606, -81.41323                                                                                                              |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>WIN Secondary Resource Type:</b> Lake                                                         |                                                                                        |                                                                                                                                | <b>Collection Equip:</b> WaterBottle                                                                                                                 |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>WIN ID:</b>                                                                                   |                                                                                        |                                                                                                                                | <b>High Tide Time:</b>                                                                                                                               |                                                                                                               | <b>Low Tide Time:</b> |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Matrix:</b>                                                                                   | Fresh                                                                                  | <b>Grab</b>                                                                                                                    | <b>Tide:</b> <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" type="checkbox"/> N/A |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Water Quality</b>                                                                             |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Date</b>                                                                                      | <b>Time</b><br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | <b>D.O. (%)</b>                                                                                                                | <b>D.O. (mg/L)</b>                                                                                                                                   | <b>Temp (°C)</b>                                                                                              | <b>pH (SU)</b>        | <b>Sample Depth (m)</b>                 | <b>Total Depth (m)</b> | <b>Secchi Disk (m)</b>                                                                                            | <b>Sp. Cond. (µmho/cm)</b> | <b>Salinity (PPT<sub>h</sub>)</b> |
| 01/17/2023                                                                                       | 12:55                                                                                  | 73.2                                                                                                                           | 7.18                                                                                                                                                 | 16.2                                                                                                          | 7.03                  | 0.3                                     | 4.4                    | 1.4                                                                                                               | 148.8                      | 0.07                              |
|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Bloom Observations</b>                                                                        |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Water Clarity</b>                                                                             |                                                                                        | <input type="checkbox"/> Clear                                                                                                 |                                                                                                                                                      | <input checked="" type="checkbox"/> Slightly Turbid                                                           |                       | <input type="checkbox"/> Turbid         |                        | <input type="checkbox"/> Opaque                                                                                   |                            |                                   |
| <b>Bloom Color</b>                                                                               |                                                                                        | <input checked="" type="checkbox"/> Green                                                                                      |                                                                                                                                                      | <input type="checkbox"/> Red                                                                                  |                       | <input type="checkbox"/> Brown          |                        | <input type="checkbox"/> Other:                                                                                   |                            |                                   |
| <b>Algae Type</b>                                                                                |                                                                                        | <input checked="" type="checkbox"/> Planktonic                                                                                 |                                                                                                                                                      | <input type="checkbox"/> Filamentous                                                                          |                       | <input type="checkbox"/> Other:         |                        |                                                                                                                   |                            |                                   |
| <b>Algae Accumulation</b>                                                                        |                                                                                        | <input type="checkbox"/> Mat                                                                                                   |                                                                                                                                                      | <input checked="" type="checkbox"/> Specks                                                                    |                       | <input type="checkbox"/> Scum           |                        | <input type="checkbox"/> Glob                                                                                     |                            |                                   |
| <b>Algae Distribution</b>                                                                        |                                                                                        | <input type="checkbox"/> Surface-Entire                                                                                        |                                                                                                                                                      | <input type="checkbox"/> Surf-Localized                                                                       |                       | <input type="checkbox"/> Surf-Windblown |                        | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |                            |                                   |
| <b>Parameter Suite</b>                                                                           |                                                                                        | <b>Parameter Methods</b>                                                                                                       |                                                                                                                                                      | <b>Preservation</b>                                                                                           |                       | <b>pH Check</b>                         |                        | <b>#Bottles Sent to Lab</b>                                                                                       |                            | <b>Bottle Group</b>               |
| Algal ID (PT-50mL)                                                                               |                                                                                        | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                                                                                                                      | <input type="checkbox"/> Ice                                                                                  |                       |                                         |                        | 1                                                                                                                 |                            | A                                 |
| Bloom ID (PT-50mL)                                                                               |                                                                                        | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                                                       |                       |                                         |                        | 1                                                                                                                 |                            | B                                 |
| 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                                 |
| Preserved Nutrients (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 type="checkbox"/> <2 |                       |                                         |                        | 1                                                                                                                 |                            | B                                 |
|                                                                                                  |                                                                                        | SA2229010                                                                                                                      |                                                                                                                                                      | 08/30/2023                                                                                                    |                       |                                         |                        |                                                                                                                   |                            |                                   |
| Filtered Nutrients (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 #                                                                                                                   |                                                                                                                                                      |                                                                                                               |                       |                                         |                        |                                                                                                                   |                            |                                   |
| Quantitative Algae                                                                               |                                                                                        | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                                                                                                                                                      | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                                                  |                       |                                         |                        |                                                                                                                   |                            |                                   |
| <b>Relinquished By:</b>                                                                          |                                                                                        | <b>Date/Time</b>                                                                                                               |                                                                                                                                                      | <b>Number of Coolers Shipped</b>                                                                              |                       | <b>Received By:</b>                     |                        | <b>Date/Time</b>                                                                                                  |                            |                                   |
| Jessie Atchison                                                                                  |                                                                                        | 01/17/2023 16:00                                                                                                               |                                                                                                                                                      | 1                                                                                                             |                       |                                         |                        | 1/18/23 0915                                                                                                      |                            |                                   |





# Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

|                                                                                                                                                                                                                                                                     |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------|----------------------------------------|-----------------------------|------------------------|----------------------------|-----------------------|
| <b>RQ - 2023-01-16-15</b>                                                                                                                                                                                                                                           |                                                                                        | <b>Collected By:</b>                                                                                                           |                                                                                                                                                      | Terry Riordan, Victoria Schwartz                                                  |                       |                                        |                             |                        |                            |                       |
| <b>Customer:</b>                                                                                                                                                                                                                                                    | WQAP                                                                                   | <b>Field Report Prepared By:</b>                                                                                               |                                                                                                                                                      | Victoria Schwartz                                                                 |                       |                                        |                             |                        |                            |                       |
| <b>Project ID:</b>                                                                                                                                                                                                                                                  | BLOOM_RESP                                                                             | <b>Sampling Agency:</b>                                                                                                        |                                                                                                                                                      | CEROC                                                                             |                       |                                        |                             |                        |                            |                       |
| <b>Location:</b> Deep Lake - N Shore                                                                                                                                                                                                                                |                                                                                        |                                                                                                                                | <b>Comments:</b> Sunny with a breeze.                                                                                                                |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Field ID:</b> HABCE0149_DeepLake                                                                                                                                                                                                                                 |                                                                                        |                                                                                                                                | <b>Coordinates:</b> 28.61442, -81.25309                                                                                                              |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>WIN Secondary Resource Type:</b> Lake                                                                                                                                                                                                                            |                                                                                        |                                                                                                                                | <b>Collection Equip:</b> WaterBottle                                                                                                                 |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>WIN ID:</b> HABCE0149                                                                                                                                                                                                                                            |                                                                                        |                                                                                                                                | <b>High Tide Time:</b>                                                                                                                               |                                                                                   | <b>Low Tide Time:</b> |                                        |                             |                        |                            |                       |
| <b>Matrix:</b>                                                                                                                                                                                                                                                      | Fresh                                                                                  | <b>Grab</b>                                                                                                                    | <b>Tide:</b> <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" type="checkbox"/> N/A |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Water Quality</b>                                                                                                                                                                                                                                                |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Date</b>                                                                                                                                                                                                                                                         | <b>Time</b><br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | <b>D.O. (%)</b>                                                                                                                | <b>D.O. (mg/L)</b>                                                                                                                                   | <b>Temp (°C)</b>                                                                  | <b>pH (SU)</b>        | <b>Sample Depth (m)</b>                | <b>Total Depth (m)</b>      | <b>Secchi Disk (m)</b> | <b>Sp. Cond. (µmho/cm)</b> | <b>Salinity (PPT)</b> |
| 01/17/2023                                                                                                                                                                                                                                                          | 13:06                                                                                  | 85.5                                                                                                                           | 8.23                                                                                                                                                 | 17.1                                                                              | 7.62                  | 0.3                                    | 1.5                         | 1.5                    | 130.2                      | 0.06                  |
|                                                                                                                                                                                                                                                                     |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
|                                                                                                                                                                                                                                                                     |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Bloom Observations</b>                                                                                                                                                                                                                                           |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                    |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Water Clarity</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Opaque                                                                                             |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Bloom Color</b> <input checked="" type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Brown <input type="checkbox"/> Other:                                                                                                            |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Algae Type</b> <input type="checkbox"/> Planktonic <input type="checkbox"/> Filamentous <input type="checkbox"/> Other:                                                                                                                                          |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Algae Accumulation</b> <input type="checkbox"/> Mat <input checked="" type="checkbox"/> Specks <input type="checkbox"/> Scum <input type="checkbox"/> Glob                                                                                                       |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Algae Distribution</b> <input type="checkbox"/> Surface-Entire <input type="checkbox"/> Surf-Localized <input type="checkbox"/> Surf-Windblown <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| <b>Parameter Suite</b>                                                                                                                                                                                                                                              |                                                                                        | <b>Parameter Methods</b>                                                                                                       |                                                                                                                                                      | <b>Preservation</b>                                                               |                       | <b>pH Check</b>                        | <b>#Bottles Sent to Lab</b> | <b>Bottle Group</b>    |                            |                       |
| Algal ID (PT-50mL)                                                                                                                                                                                                                                                  |                                                                                        | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                                                                                                                      | <input type="checkbox"/> Ice                                                      |                       |                                        |                             |                        |                            |                       |
| Bloom ID (PT-50mL)                                                                                                                                                                                                                                                  |                                                                                        | <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                      |                            |                       |
| Preserved Nutrients (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                      |                            |                       |
|                                                                                                                                                                                                                                                                     |                                                                                        | SA2299040                                                                                                                      |                                                                                                                                                      | 11/4/23                                                                           |                       |                                        |                             |                        |                            |                       |
| Filtered Nutrients (P125mL)                                                                                                                                                                                                                                         |                                                                                        | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter                   |                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                           |                       |                                        | 1                           | B                      |                            |                       |
|                                                                                                                                                                                                                                                                     |                                                                                        | Filter Lot # 17413308                                                                                                          |                                                                                                                                                      |                                                                                   |                       |                                        |                             |                        |                            |                       |
| 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              |                            |                       |
| Victoria Schwartz                                                                                                                                                                                                                                                   |                                                                                        | 01/17/2023 16:00                                                                                                               |                                                                                                                                                      | 1                                                                                 |                       |                                        |                             | 1/18/23 0915           |                            |                       |





# Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------|-------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------|
| <b>RQ - 2023-01-16-15</b>                                                                        |                                                                                        | <b>Collected By:</b>                                                                                                           |                                                                                                                                                      | Terry Riordan, Victoria Schwartz                                 |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Customer:</b>                                                                                 | WQAP                                                                                   | <b>Field Report Prepared By:</b>                                                                                               |                                                                                                                                                      | Victoria Schwartz                                                |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                             | <b>Sampling Agency:</b>                                                                                                        |                                                                                                                                                      | CEROC                                                            |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Location:</b> Lake Howell - NW Shore                                                          |                                                                                        |                                                                                                                                | <b>Comments:</b> Sunny with a breeze.<br><br>Secchi may be VOB but Vallisneria too thick on bottom to see                                            |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Field ID:</b> HABCE0148_LakeHowell2                                                           |                                                                                        |                                                                                                                                | <b>Coordinates:</b> 28.6433, -81.31781                                                                                                               |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>WIN Secondary Resource Type:</b> Lake                                                         |                                                                                        |                                                                                                                                | <b>Collection Equip:</b> WaterBottle                                                                                                                 |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>WIN ID:</b> HABCE0148                                                                         |                                                                                        |                                                                                                                                | <b>High Tide Time:</b>                                                                                                                               |                                                                  | <b>Low Tide Time:</b> |                                           |                        |                                                                                                                   |                            |                       |
| <b>Matrix:</b>                                                                                   | Fresh                                                                                  | <b>Grab</b>                                                                                                                    | <b>Tide:</b> <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" type="checkbox"/> N/A |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Water Quality</b>                                                                             |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Date</b>                                                                                      | <b>Time</b><br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | <b>D.O. (%)</b>                                                                                                                | <b>D.O. (mg/L)</b>                                                                                                                                   | <b>Temp (°C)</b>                                                 | <b>pH (SU)</b>        | <b>Sample Depth (m)</b>                   | <b>Total Depth (m)</b> | <b>Secchi Disk (m)</b>                                                                                            | <b>Sp. Cond. (µmho/cm)</b> | <b>Salinity (PPT)</b> |
| 01/17/2023                                                                                       | 12:28                                                                                  | 104.5                                                                                                                          | 10.24                                                                                                                                                | 16.3                                                             | 7.91                  | 0.3                                       | 1.5                    | 1                                                                                                                 | 186.9                      | 0.09                  |
|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Bloom Observations</b>                                                                        |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| <b>Water Clarity</b>                                                                             |                                                                                        | <input checked="" type="checkbox"/> Clear                                                                                      |                                                                                                                                                      | <input type="checkbox"/> Slightly Turbid                         |                       | <input type="checkbox"/> Turbid           |                        | <input type="checkbox"/> Opaque                                                                                   |                            |                       |
| <b>Bloom Color</b>                                                                               |                                                                                        | <input checked="" type="checkbox"/> Green                                                                                      |                                                                                                                                                      | <input type="checkbox"/> Red                                     |                       | <input type="checkbox"/> Brown            |                        | <input type="checkbox"/> Other:                                                                                   |                            |                       |
| <b>Algae Type</b>                                                                                |                                                                                        | <input type="checkbox"/> Planktonic                                                                                            |                                                                                                                                                      | <input type="checkbox"/> Filamentous                             |                       | <input type="checkbox"/> Other:           |                        |                                                                                                                   |                            |                       |
| <b>Algae Accumulation</b>                                                                        |                                                                                        | <input type="checkbox"/> Mat                                                                                                   |                                                                                                                                                      | <input checked="" type="checkbox"/> Specks                       |                       | <input type="checkbox"/> Scum             |                        | <input type="checkbox"/> Glob                                                                                     |                            |                       |
| <b>Algae Distribution</b>                                                                        |                                                                                        | <input type="checkbox"/> Surface-Entire                                                                                        |                                                                                                                                                      | <input type="checkbox"/> Surf-Localized                          |                       | <input type="checkbox"/> Surf-Windblown   |                        | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |                            |                       |
| <b>Parameter Suite</b>                                                                           |                                                                                        | <b>Parameter Methods</b>                                                                                                       |                                                                                                                                                      | <b>Preservation</b>                                              |                       | <b>pH Check</b>                           |                        | <b>#Bottles Sent to Lab</b>                                                                                       |                            | <b>Bottle Group</b>   |
| Algal ID (PT-50mL)                                                                               |                                                                                        | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                                                                                                                      | <input type="checkbox"/> Ice                                     |                       |                                           |                        |                                                                                                                   |                            |                       |
| Bloom ID (PT-50mL)                                                                               |                                                                                        | <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                     |
| Preserved Nutrients (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                                                                            |                            | B                     |
|                                                                                                  |                                                                                        | SA2299040                                                                                                                      |                                                                                                                                                      | 11/4/23                                                          |                       |                                           |                        |                                                                                                                   |                            |                       |
| Filtered Nutrients (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 # 17413308                                                                                                          |                                                                                                                                                      |                                                                  |                       |                                           |                        |                                                                                                                   |                            |                       |
| 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                                                                                                         |                            |                       |
| Victoria Schwartz                                                                                |                                                                                        | 01/17/2023 16:00                                                                                                               |                                                                                                                                                      | 1                                                                |                       |                                           |                        | 1/18/23 0915                                                                                                      |                            |                       |





# Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

|                                                                                           |                                                                                 |                                                                                                                                |                                                                                                                                               |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------|-----------------------|------------------------|---------------------------------|
| RQ - 2023-01-16-15                                                                        |                                                                                 | Collected By:                                                                                                                  |                                                                                                                                               | Leif Boman, Jessie Atchison             |                                                                                           |                                  |                                         |                       |                        |                                 |
| Customer: WQAP                                                                            |                                                                                 | Field Report Prepared By:                                                                                                      |                                                                                                                                               | Jessie Atchison                         |                                                                                           |                                  |                                         |                       |                        |                                 |
| Project ID: BLOOM_RESP                                                                    |                                                                                 | Sampling Agency:                                                                                                               |                                                                                                                                               | CEROC                                   |                                                                                           |                                  |                                         |                       |                        |                                 |
| Location: Sawgrass Lake - from CWC dock                                                   |                                                                                 |                                                                                                                                | Comments: 70 degrees F and sunny                                                                                                              |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
| Field ID: HABCE0082_SawgrassLake                                                          |                                                                                 |                                                                                                                                | Coordinates: 28.43361, -81.68915                                                                                                              |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
| WIN Secondary Resource Type: Lake                                                         |                                                                                 |                                                                                                                                | Collection Equip: WaterBottle                                                                                                                 |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
| WIN ID: HABCE0082                                                                         |                                                                                 |                                                                                                                                | 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>(PPT <sub>h</sub> ) |
| 01/17/2023                                                                                | 11:51                                                                           | 85.8                                                                                                                           | 8.59                                                                                                                                          | 15.3                                    | 6.39                                                                                      | 0.3                              | 2.7                                     | 1.1                   | 106.4                  | 0.05                            |
|                                                                                           |                                                                                 |                                                                                                                                |                                                                                                                                               |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
|                                                                                           |                                                                                 |                                                                                                                                |                                                                                                                                               |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
| Bloom Observations                                                                        |                                                                                 |                                                                                                                                |                                                                                                                                               |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
| Algal Bloom Observed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                 |                                                                                                                                |                                                                                                                                               |                                         |                                                                                           |                                  |                                         |                       |                        |                                 |
| Water Clarity                                                                             |                                                                                 | <input type="checkbox"/> Clear                                                                                                 | <input checked="" type="checkbox"/> Slightly Turbid                                                                                           | <input type="checkbox"/> Turbid         | <input type="checkbox"/> Opaque                                                           |                                  |                                         |                       |                        |                                 |
| Bloom Color                                                                               |                                                                                 | <input checked="" type="checkbox"/> Green                                                                                      | <input type="checkbox"/> Red                                                                                                                  | <input type="checkbox"/> Brown          | <input type="checkbox"/> Other:                                                           |                                  |                                         |                       |                        |                                 |
| Algae Type                                                                                |                                                                                 | <input checked="" type="checkbox"/> Planktonic                                                                                 | <input type="checkbox"/> Filamentous                                                                                                          | <input type="checkbox"/> Other:         |                                                                                           |                                  |                                         |                       |                        |                                 |
| Algae Accumulation                                                                        |                                                                                 | <input type="checkbox"/> Mat                                                                                                   | <input checked="" 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 checked="" type="checkbox"/> Suspended                                             | <input type="checkbox"/> Benthic | <input type="checkbox"/> Epiphytic      |                       |                        |                                 |
| Parameter Suite                                                                           |                                                                                 | Parameter Methods                                                                                                              |                                                                                                                                               |                                         | Preservation                                                                              |                                  | pH Check                                | #Bottles Sent to Lab  | Bottle Group           |                                 |
| Algal ID (PT-50mL)                                                                        |                                                                                 | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                                                                                                               |                                         | <input type="checkbox"/> Ice                                                              |                                  |                                         |                       |                        |                                 |
| Bloom ID (PT-50mL)                                                                        |                                                                                 | <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                      |                                 |
| Preserved Nutrients (500mL HDPE)                                                          |                                                                                 | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>SA2299040                                           |                                                                                                                                               |                                         | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4         |                                  | <input type="checkbox"/> <2             | 1                     | B                      |                                 |
|                                                                                           |                                                                                 | Acid Lot:                                                                                                                      |                                                                                                                                               |                                         | Exp:                                                                                      |                                  |                                         |                       |                        |                                 |
| Filtered Nutrients (P125mL)                                                               |                                                                                 | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                                                                                                                                               |                                         | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter<br>Filter Lot # 17413308 |                                  | <input checked="" type="checkbox"/> Ice | 1                     | B                      |                                 |
| 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             |                        |                                 |
| Jessie Atchison                                                                           |                                                                                 | 01/17/2023 16:00                                                                                                               |                                                                                                                                               | 1                                       |                                                                                           | RKL                              |                                         | 1/18/2023 09:15       |                        |                                 |



Date of Request: 27-DEC-2022  
 Created By: BOMAN\_L On: 27-DEC-2022  
 Modified By: JASROTIA\_P On: 03-JAN-2023  
 Customer: WQAP  
 Project: BLOOM-RESP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central  
 Event Description: Algal Bloom Response - CEROC

**Send Coolers To:**

Phone: 407-897-4181  
 3319 Maguire Blvd Ste 232  
  
 Orlando, FL 32803  
 Attn: Leif Boman  
 Cooler Ship Email: Leif.Boman@FloridaDep.gov

Priority: 1  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 28-DEC-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 03-JAN-2023  
 Sampling Kit Required: YES Ship on: 06-JAN-2023  
 Sampling Kit Shipped: YES On: 04-JAN-2023  
 Sampling Kit Packed By: PENDLETO\_C  
 Preservatives Needed: NO  
 Date to Receive Samples: 16-JAN-2023  
 Logged In By: KREUCH\_B On: 17-JAN-2023

**Send Final Report To:**

3319 Maguire Blvd. Suite 232  
  
 Orlando, FL 32803  
 Attn: Jessie Atchison  
 Report Notification Email: Jessie.Atchison@FloridaDEP.gov

Comments: Unless peak algal bloom season, may analyze toxin after consultation with Biology's Taxonomy Manager.

Bottle Group A - Priority 1  
 For algal dominant taxon.

Bottle Group B - Priority 1  
 For toxin testing, nutrients, chlorophyll, algal full ID

There are multiple bottles per Group in case multiple sample targets or sample locations are needed. Samplers use best professional judgement to decide which samples are appropriate to collect for a particular response. All sets of bottles do not have to be filled at one time.

Please print two copies of algal job labels at login

**Bottle Group A (Biological) With 6 Samples:**

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 6 | Preserved With: ICE                                                 |
| BLOOM-ID             | Template: DEFAULT    | (SOP-AB18) Assessment of dominant algal taxa in bloom or mat sample |

**Bottle Group B (Water) With 6 Samples:**

|                      |                      |                                                                                                              |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L   | Number of Bottles: 6 | Preserved With: ICE                                                                                          |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-125ML | Number of Bottles: 6 | Preserved With: ICE                                                                                          |
| W-MCYST-AA           | Template: DEFAULT    | (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS                                                     |
| W-SAXTN-MS           | Template:            | (EPA 8321B) Saxitoxin in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML | Number of Bottles: 6 | Preserved With: ICE And H2SO4                                                                                |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| Bottle Type: P-125ML | Number of Bottles: 6 | Preserved With: FILTER-ICE                                                                                   |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

