

# Login Checklist

RQ- 2023-04-03-15

Login Station ID: #3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03/23/23 @ 0929

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 1.5                 |                 |                                        |          | 15                                    |               | x  |          |    | 585942333668       |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 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 \_\_\_\_\_ NA X 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: BKK

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

Coolers Unpacked/Checked by: BKK

Date: 03/23/23

Event contains NCRs (Y/N)? N

EventID:

Algal Bloom Response - CEROC  
WQAP-2023-03-23-01 (BLOOM-RESP)  
Date Received: 23-MAR-2023 09:29

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                               |
|--------------------------|-------------------------------|
| 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#210620   Exp:4/15/23      |
| Chlorine Test Strips     | Lot#0129   Exp:3/23           |

### Additional Comments:

### 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 - 2023-04-03-15</b>                                                                                                                            |                                                                                        | <b>Collected By:</b>                                                                                                                      |                       | Matt Bearden, Leif Boman                                         |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>Customer:</b>                                                                                                                                     | CEN ROC                                                                                | <b>Field Report Prepared By:</b>                                                                                                          |                       | Matthew Bearden                                                  |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>Project ID:</b>                                                                                                                                   | BLOOM_RESP                                                                             | <b>Sampling Agency:</b>                                                                                                                   |                       | CEROC                                                            |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>Location:</b> Lake Pearl - Woodside Village Ramp                                                                                                  |                                                                                        |                                                                                                                                           |                       | <b>Comments:</b>                                                 |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>Field ID:</b> HABCE0178_LakePearl2                                                                                                                |                                                                                        |                                                                                                                                           |                       | <b>Coordinates:</b> 28.60177, -81.26688                          |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>WIN Secondary Resource Type:</b> Lake                                                                                                             |                                                                                        |                                                                                                                                           |                       | <b>Collection Equip:</b> WaterBottle                             |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>WIN ID:</b> HABCE0178                                                                                                                             |                                                                                        |                                                                                                                                           |                       | <b>High Tide Time:</b>                                           |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>Matrix:</b> Fresh                                                                                                                                 |                                                                                        | <b>Grab</b>                                                                                                                               |                       | <b>Low Tide Time:</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><br>(%)                                                                                                                        | <b>D.O.</b><br>(mg/L) | <b>Temp</b><br>(°C)                                              | <b>pH</b><br>(SU) | <b>Sample Depth</b><br>(m)                                                        | <b>Total Depth</b><br>(m) | <b>Secchi Disk</b><br>(m)                                                                                         | <b>Sp. Cond.</b><br>(µmho/cm) | <b>Salinity</b><br>(PPTH) |
| 03/22/2023                                                                                                                                           | 12:25                                                                                  | 98.1                                                                                                                                      | 8.63                  | 21.7                                                             | 7.1               | 0.3                                                                               | 0.5                       | 0.5                                                                                                               | 141.1                         | 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                                                      |                           |                                                                                                                   |                               |                           |
| 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 checked="" type="checkbox"/> OV-TOXN |                       |                                                                  |                   | <input checked="" type="checkbox"/> Ice                                           |                           |                                                                                                                   | 1                             | B                         |
|                                                                                                                                                      |                                                                                        | <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                         |
| <b>Preserved Nutrients</b><br>(500mL HDPE)                                                                                                           |                                                                                        | SA2229010                                                                                                                                 |                       |                                                                  |                   | 08/30/2023                                                                        |                           |                                                                                                                   |                               |                           |
|                                                                                                                                                      |                                                                                        | <b>Acid Lot:</b>                                                                                                                          |                       | <b>Exp:</b>                                                      |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>Filtered Nutrients</b><br>(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                                            |                   |                                                                                   |                           |                                                                                                                   |                               |                           |
| <b>Quantitative Algae</b>                                                                                                                            |                                                                                        | <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>                                                                                                  |                               |                           |
| Matthew Bearden                                                                                                                                      |                                                                                        | 03/22/2023 16:18                                                                                                                          |                       | 1                                                                |                   |                                                                                   |                           | 3/23/23 0929                                                                                                      |                               |                           |





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

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|                                                                                                                                                                                                                                                                                |                                                                                        |                                                                                                                                           |                       |                                                                                                                                                      |                   |                                                                                   |                           |                                        |                               |                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------|---------------------------|----------------------------------------|-------------------------------|---------------------------|
| <b>RQ - 2023-04-03-15</b>                                                                                                                                                                                                                                                      |                                                                                        | <b>Collected By:</b>                                                                                                                      |                       | Matt Bearden, Leif Boman                                                                                                                             |                   |                                                                                   |                           |                                        |                               |                           |
| <b>Customer:</b> CEN ROC                                                                                                                                                                                                                                                       |                                                                                        | <b>Field Report Prepared By:</b>                                                                                                          |                       | Matthew Bearden                                                                                                                                      |                   |                                                                                   |                           |                                        |                               |                           |
| <b>Project ID:</b> BLOOM_RESP                                                                                                                                                                                                                                                  |                                                                                        | <b>Sampling Agency:</b>                                                                                                                   |                       | CEROC                                                                                                                                                |                   |                                                                                   |                           |                                        |                               |                           |
| <b>Location:</b> Louise Lake NW Lobe                                                                                                                                                                                                                                           |                                                                                        |                                                                                                                                           |                       | <b>Comments:</b>                                                                                                                                     |                   |                                                                                   |                           |                                        |                               |                           |
| <b>Field ID:</b> HABCE0183_LouiseLake                                                                                                                                                                                                                                          |                                                                                        |                                                                                                                                           |                       | <b>Coordinates:</b> 28.89207, -81.20250                                                                                                              |                   |                                                                                   |                           |                                        |                               |                           |
| <b>WIN Secondary Resource Type:</b> Lake                                                                                                                                                                                                                                       |                                                                                        |                                                                                                                                           |                       | <b>Collection Equip:</b> Dipper                                                                                                                      |                   |                                                                                   |                           |                                        |                               |                           |
| <b>WIN ID:</b> HABCE0183                                                                                                                                                                                                                                                       |                                                                                        |                                                                                                                                           |                       | <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><br>(%)                                                                                                                        | <b>D.O.</b><br>(mg/L) | <b>Temp</b><br>(°C)                                                                                                                                  | <b>pH</b><br>(SU) | <b>Sample Depth</b><br>(m)                                                        | <b>Total Depth</b><br>(m) | <b>Secchi Disk</b><br>(m)              | <b>Sp. Cond.</b><br>(µmho/cm) | <b>Salinity</b><br>(PPTH) |
| 03/22/2023                                                                                                                                                                                                                                                                     | 10:40                                                                                  | 90.5                                                                                                                                      | 8.05                  | 20.9                                                                                                                                                 | 6.56              | 0.3                                                                               | 0.9                       | 0.9                                    | 103.7                         | 0.05                      |
|                                                                                                                                                                                                                                                                                |                                                                                        |                                                                                                                                           |                       |                                                                                                                                                      |                   |                                                                                   |                           |                                        |                               |                           |
|                                                                                                                                                                                                                                                                                |                                                                                        |                                                                                                                                           |                       |                                                                                                                                                      |                   |                                                                                   |                           |                                        |                               |                           |
| <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 checked="" 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 checked="" type="checkbox"/> OV-TOXN |                       |                                                                                                                                                      |                   | <input checked="" type="checkbox"/> Ice                                           |                           |                                        | 1                             | B                         |
|                                                                                                                                                                                                                                                                                |                                                                                        | <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                         |
| <b>Preserved Nutrients</b><br>(500mL HDPE)                                                                                                                                                                                                                                     |                                                                                        | SA2229010                                                                                                                                 |                       |                                                                                                                                                      |                   | 08/30/2023                                                                        |                           |                                        |                               |                           |
|                                                                                                                                                                                                                                                                                |                                                                                        | <b>Acid Lot:</b>                                                                                                                          |                       | <b>Exp:</b>                                                                                                                                          |                   |                                                                                   |                           |                                        |                               |                           |
| <b>Filtered Nutrients</b><br>(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                                                                                                                                |                   |                                                                                   |                           |                                        |                               |                           |
| <b>Quantitative Algae</b>                                                                                                                                                                                                                                                      |                                                                                        | <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>                       |                               |                           |
| Matthew Bearden                                                                                                                                                                                                                                                                |                                                                                        | 03/22/2023 16:14                                                                                                                          |                       | 1                                                                                                                                                    |                   |                                                                                   |                           | 3/23/23 0929                           |                               |                           |





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

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|                                          |  |                                  |                                         |                                                                                                                                                      |                       |
|------------------------------------------|--|----------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>RQ - 2023-04-03-15</b>                |  | <b>Collected By:</b>             |                                         | Matt Bearden, Leif Boman                                                                                                                             |                       |
| <b>Customer:</b> CEN ROC                 |  | <b>Field Report Prepared By:</b> |                                         | Matthew Bearden                                                                                                                                      |                       |
| <b>Project ID:</b> BLOOM_RESP            |  | <b>Sampling Agency:</b>          |                                         | CEROC                                                                                                                                                |                       |
| <b>Location:</b> Lake Pineloch - E Shore |  |                                  | <b>Comments:</b>                        |                                                                                                                                                      |                       |
| <b>Field ID:</b> HABCE0158_LakePineloch  |  |                                  | <b>Coordinates:</b> 28.50904, -81.36506 |                                                                                                                                                      |                       |
| <b>WIN Secondary Resource Type:</b> Lake |  |                                  | <b>Collection Equip:</b> WaterBottle    |                                                                                                                                                      |                       |
| <b>WIN ID:</b> HABCE0158                 |  |                                  | <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 |                       |

| 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) |
| 03/22/2023    | 13:30                                                                           | 109.1       | 9.36           | 22.9         | 7.7        | 0.3                    | 0.5                   | 0.5                   | 210                    | 0.1               |
|               |                                                                                 |             |                |              |            |                        |                       |                       |                        |                   |
|               |                                                                                 |             |                |              |            |                        |                       |                       |                        |                   |

| Bloom Observations           |                                                                                                                                                                                                                                |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Algal Bloom Observed?</b> | <input type="checkbox"/> Yes <input checked="" 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 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 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 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 checked="" type="checkbox"/> OV-TOXN | <input checked="" type="checkbox"/> Ice                                                                                  |              | 1                    | B            |
|                                  | <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            |
| Preserved Nutrients (500mL HDPE) | SA2229010<br>Acid Lot: Exp:                                                                                                               | 08/30/2023                                                                                                               |              |                      |              |
| 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            |              |
| Matthew Bearden                  | 03/22/2023 16:20                                                                                                                          | 1                                                                                                                        |              |                      |              |

BKAZ 3/23/23 0929





Date of Request: 03-MAR-2023  
 Created By: BOMAN\_L On: 03-MAR-2023  
 Modified By: JASROTIA\_P On: 07-MAR-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: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 06-MAR-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 07-MAR-2023  
 Sampling Kit Required: YES Ship on: 17-MAR-2023  
 Sampling Kit Shipped: YES On: 10-MAR-2023  
 Sampling Kit Packed By: PENDLETO\_C  
 Preservatives Needed: NO  
 Date to Receive Samples: 03-APR-2023  
 Logged In By:

**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

\*Two coolers please. Thank you!\*

**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 10150 B) 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: DEFAULT (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

