

RQ-2022-06-20-68

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 6/28/2022 9:12

| *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 |                    |
| 2.7                 |                        |                                        |          | 5                                     |               | ✓  |          |    | 52255434626        |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## 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 ☒ No ☐

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

Yes ☐ No ☒

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes ☐ No ☐ NA ☒Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken?

Yes ☐ No ☐Containers intact? Yes ☒ No ☐

Caps on tight?

Yes ☒ No ☐

Sufficient Sample Volume:

Yes ☒ 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 ☒ Init: IM

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 &lt; 2.0?

Yes ☒ No ☐ NA ☐ Init: IM

\*\*W-1-4-DIOX (Green dot on container) preserved to pH &lt; 4.0?

Yes ☐ No ☐ NA ☒ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 6/28/2022

Event contains NCRs (Y/N)? ☒

Event ID:

Algal Bloom Response - SE ROC  
WQAP-2022-06-28-04 (BLOOM-RESP)

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Date Received: 28-JUN-2022 09:12

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/19/22 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 210620 exp: 4/15/23         |
| Chlorine Test Strips     | 0070 exp: 02/2023           |

### 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# \_\_\_\_\_**

**FOR CLEAN LAB USE ONLY** – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_



# Cyanobacteria Bloom Response Field Data Sheet (2022-06-10 v1)

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

| <b>RQ - 2022-06-20-68</b>                                                                        |                                                                                                                                                                                     | <b>Collected By:</b>                       |                                                                                                                                                      | Andrew Luering, Jordan Skaggs                                                     |                                  |                                         |                            |                       |                        |                    |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|-----------------------------------------|----------------------------|-----------------------|------------------------|--------------------|
| <b>Customer:</b>                                                                                 | WQAP                                                                                                                                                                                | <b>Field Report Prepared By:</b>           |                                                                                                                                                      | Andrew Luering                                                                    |                                  |                                         |                            |                       |                        |                    |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                                                                                                                          | <b>Sampling Agency:</b>                    |                                                                                                                                                      | SEROCC                                                                            |                                  |                                         |                            |                       |                        |                    |
| <b>Location:</b> Lake Marian Pavilion                                                            |                                                                                                                                                                                     |                                            | <b>Comments:</b>                                                                                                                                     |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| <b>Field ID:</b> SEHAB0083                                                                       |                                                                                                                                                                                     |                                            | <b>Coordinates:</b> 27.87179, -81.05182                                                                                                              |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| <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 |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| Water Quality                                                                                    |                                                                                                                                                                                     |                                            |                                                                                                                                                      |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| Date                                                                                             | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN                                                                                                     | D.O.<br>(%)                                | D.O.<br>(mg/L)                                                                                                                                       | Temp<br>(°C)                                                                      | pH<br>(SU)                       | Sample<br>Depth<br>(m)                  | Total<br>Depth<br>(m)      | Secchi<br>Disk<br>(m) | Sp. Cond.<br>(µmho/cm) | Salinity<br>(PPTH) |
| 06/27/2022                                                                                       | 10:45                                                                                                                                                                               | 105.6                                      | 8.03                                                                                                                                                 | 29.2                                                                              | 8.94                             | 0.3                                     | 0.94                       | 0.2                   | 149.2                  | 0.07               |
|                                                                                                  |                                                                                                                                                                                     |                                            |                                                                                                                                                      |                                                                                   |                                  |                                         |                            |                       |                        |                    |
|                                                                                                  |                                                                                                                                                                                     |                                            |                                                                                                                                                      |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| Bloom Observations                                                                               |                                                                                                                                                                                     |                                            |                                                                                                                                                      |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                                                                                                     |                                            |                                                                                                                                                      |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| <b>Water Clarity</b>                                                                             | <input type="checkbox"/> Clear                                                                                                                                                      | <input type="checkbox"/> Slightly Turbid   | <input checked="" 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 type="checkbox"/> Suspended                                                | <input type="checkbox"/> Benthic | <input type="checkbox"/> Epiphytic      |                            |                       |                        |                    |
| Parameter Suite                                                                                  | Parameter Methods                                                                                                                                                                   |                                            |                                                                                                                                                      | Preservation                                                                      |                                  | pH<br>Check                             | #Bottles<br>Sent to<br>Lab | Bottle<br>Group       |                        |                    |
| 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 (BG-WD250)                                                                                | <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<br>(500mL HDPE)                                                              | <input checked="" type="checkbox"/> W-NH3 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-S-A-TP |                                            |                                                                                                                                                      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                                  | <input checked="" type="checkbox"/> <2  | 1                          | B                     |                        |                    |
|                                                                                                  | Acid Lot: 131394                                                                                                                                                                    |                                            |                                                                                                                                                      | Exp: 11/07/2022                                                                   |                                  |                                         |                            |                       |                        |                    |
| Filtered Nutrients<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 # 17441866                                                                                                                                                               |                                            |                                                                                                                                                      |                                                                                   |                                  |                                         |                            |                       |                        |                    |
| Quantitative Algae                                                                               | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                                                                        |                                            |                                                                                                                                                      | <input type="checkbox"/> Ice                                                      |                                  | <input type="checkbox"/> Lugols         |                            |                       |                        |                    |
| Relinquished By:                                                                                 | Date/Time                                                                                                                                                                           |                                            | Number of Coolers Shipped                                                                                                                            |                                                                                   | Received By:                     |                                         | Date/Time                  |                       |                        |                    |
| Andrew Luering                                                                                   | 06/27/2022 16:00                                                                                                                                                                    |                                            | 1                                                                                                                                                    |                                                                                   |                                  |                                         |                            |                       |                        |                    |



Date of Request: 06-JUN-2022  
 Created By: SKAGGS\_J On: 06-JUN-2022  
 Modified By: JASROTIA\_P On: 07-JUN-2022  
 Customer: WQAP  
 Project: BLOOM-RESP  
 Division: Division of Environmental Assessment and Restoration  
 District: SE ROC  
 Event Description: Algal Bloom Response - SE ROC

**Send Coolers To:**

Phone: 772-448-5884  
 2199 South Rock Road  
  
 Fort Pierce, FL 34945  
 Attn: Jordan Skaggs  
 Cooler Ship EMail: jordan.skaggs@floridadep.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 07-JUN-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 07-JUN-2022  
 Sampling Kit Required: YES Ship on: 15-JUN-2022  
 Sampling Kit Shipped: YES On: 13-JUN-2022  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: YES  
 Date to Receive Samples: 21-JUN-2022  
 Logged In By: ROBERTS\_Z On: 21-JUN-2022

**Send Final Report To:**

2199 South Rock Road  
  
 Fort Pierce, FL 34945  
 Attn: Jordan Skaggs  
 Report Notification EMail:  
 jordan.skaggs@floridadep.gov;drew.liddick@floridadep.gov;andrew.luering@floridadep.gov

Comments: \*\*Please send:  
 -4 full-size coolers  
 -2 boxes nitric  
 -2 boxes sulfuric  
 -4 extra Fedex labels

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, and chlorophyll

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 8 Samples:**

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 8 | Preserved With: ICE                                                 |
| BLOOM-ID             | Template: DEFAULT    | (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample |

**Bottle Group B (Water) With 8 Samples:**

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L          | Number of Bottles: 8 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: BG-250ML-WDMTH | Number of Bottles: 8 | Preserved With: ICE                                                                                          |
| W-MCYST-AA                  | Template: DEFAULT    | (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS                                                     |
| Bottle Type: P-500ML        | Number of Bottles: 8 | 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                                             |

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**Bottle Group B (Water) With 8 Samples:**

Bottle Type: P-125ML

Number of Bottles: 8

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

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