

# Login Checklist

RQ- 2020 - 02-24-36

Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03-11-2020 / 10:25

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                |                                        |          |                                       | Present?      |    | *Intact? |    |                                     |
|                     | YES            | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                     |
| 2.9C                |                |                                        |          | 6                                     |               | X  |          |    | 1190 3162 505                       |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO<sub>3</sub> and Formalin preserved samples do **NOT** have a temperature requirement. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.**

\*\*Chain of Custody/ Field Sheet(s) Included? Yes X No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ FieldSheet(s) Included? Yes \_\_\_\_\_ No ✓

**\*\*Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes \_\_\_\_\_ No X If yes, is it intact? Yes \_\_\_\_\_ No \_\_\_\_\_

\*\*Caps on tight? Yes X No \_\_\_\_\_ \*\*Containers intact? Yes X No \_\_\_\_\_

\*\*Sufficient Sample Volume: Yes X No \_\_\_\_\_

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes \_\_\_\_\_ No ✓ Init: ABS

Chlorine detected? (One container checked per Field ID)

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

If "YES", list affected Field IDs and Test IDs below.

| Field ID | List TestID(s) where Chlorine was Detected, an NCR is required. |
|----------|-----------------------------------------------------------------|
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes X No \_\_\_\_\_ NA \_\_\_\_\_ Init: ABS

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

Coolers Unpacked/Checked by: ABS /

Date: 03-11-2020

NCRs (Y/N)? ✓

EventID: Algal Bloom Response - CEROC  
WQAP-2020-03-11-04 (BLOOM-RESP)

NCR # \_\_\_\_\_

## Login Checklist

### Samples with Incorrect pH Preservation

| Field ID | Bottle TestID(s) | pH | Action Taken |
|----------|------------------|----|--------------|
|          |                  |    |              |
|          |                  |    |              |
|          |                  |    |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle TestID(s) |
|-----------|----------|------------------|
|           |          |                  |
|           |          |                  |
|           |          |                  |

### Bottles Not Intact

| Field ID | Bottle TestID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                  |           | CK          | BR | CK                | BR |                          |
|          |                  |           |             |    |                   |    |                          |
|          |                  |           |             |    |                   |    |                          |
|          |                  |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle TestID(s) | Action Taken |
|----------|------------------|--------------|
|          |                  |              |
|          |                  |              |
|          |                  |              |

### Additional Comments:

|                            |                        |
|----------------------------|------------------------|
| Infrared Thermometer ID:   | IR TG#3 EXP:11/05/2020 |
| pH Test Strips 0 – 6 Lot # | 2133AV EXP:05/15/2020  |
| pH Paper 0 – 3 Lot #       | 220416A EXP:07/30/2020 |
| pH Paper 0 – 13 Lot #      | 208717 EXP:03/31/2020  |
| Chlorine Test Strips Lot # | 8261 2021 / 07         |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ No x \_\_\_\_\_

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

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

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

#### 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 (2019-12-16 v4)

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

| RQ - 2020 - 02-24-36                                                                            |                                                                                 | Collected By:                                                    |                                                                                                                                               | Leif Boman, Elizabeth Bates             |                                                                          |                                        |                       |                       |                        |                    |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------|----------------------------------------|-----------------------|-----------------------|------------------------|--------------------|
| Customer:                                                                                       | WQAP                                                                            | Field Report Prepared By:                                        |                                                                                                                                               | Leif Boman                              |                                                                          |                                        |                       |                       |                        |                    |
| Project ID:                                                                                     | BLOOM-RESP                                                                      | Sampling Agency:                                                 |                                                                                                                                               | 21FLCEN - CEROC                         |                                                                          |                                        |                       |                       |                        |                    |
| <p>Field ID: HABCE0011_LAKE ARNOLD<br/>Win ID: HABCE0011<br/>Lake Arnold @ 70m from W shore</p> |                                                                                 |                                                                  |                                                                                                                                               |                                         |                                                                          |                                        |                       |                       |                        |                    |
| <p>Coordinates: 28.5305, -81.3425</p>                                                           |                                                                                 |                                                                  |                                                                                                                                               |                                         |                                                                          |                                        |                       |                       |                        |                    |
| <p>Collection Equip: Sample bottle, filter</p>                                                  |                                                                                 |                                                                  |                                                                                                                                               |                                         |                                                                          |                                        |                       |                       |                        |                    |
| WIN ID:                                                                                         |                                                                                 | High Tide Time:                                                  |                                                                                                                                               | Low Tide Time:                          |                                                                          |                                        |                       |                       |                        |                    |
| Matrix:                                                                                         | FRESH                                                                           | Grab                                                             | Tide: <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" type="checkbox"/> N/A |                                         |                                                                          |                                        |                       |                       |                        |                    |
| Water Quality                                                                                   |                                                                                 |                                                                  |                                                                                                                                               |                                         |                                                                          |                                        |                       |                       |                        |                    |
| Date                                                                                            | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(%)                                                      | D.O.<br>(mg/L)                                                                                                                                | Temp<br>(°C)                            | pH<br>(SU)                                                               | Sample<br>Depth<br>(m)                 | Total<br>Depth<br>(m) | Secchi<br>Disk<br>(m) | Sp. Cond.<br>(µmho/cm) | Salinity<br>(PPTH) |
| 3/10/20                                                                                         | 10:15                                                                           | 106.9                                                            | 9.74                                                                                                                                          | 19.8                                    | 7.74                                                                     | 0.301                                  | 7.8                   | 1.7                   | 173.9                  | 0.08               |
|                                                                                                 |                                                                                 | 7.0                                                              | 0.63                                                                                                                                          | 17.9                                    | 6.56                                                                     | 7.307                                  |                       |                       | 172.8                  | 0.08               |
| Bloom Observations                                                                              |                                                                                 |                                                                  |                                                                                                                                               |                                         |                                                                          |                                        |                       |                       |                        |                    |
| Algal Bloom Observed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No       |                                                                                 |                                                                  |                                                                                                                                               |                                         |                                                                          |                                        |                       |                       |                        |                    |
| Water Surface                                                                                   | <input type="checkbox"/> Clear                                                  | <input checked="" type="checkbox"/> Scum                         | <input type="checkbox"/> Glob                                                                                                                 | <input type="checkbox"/> Slick          |                                                                          |                                        |                       |                       |                        |                    |
| Water Clarity                                                                                   | <input type="checkbox"/> Clear                                                  | <input checked="" type="checkbox"/> Slightly Turbid              | <input type="checkbox"/> Turbid                                                                                                               | <input type="checkbox"/> Opaque         |                                                                          |                                        |                       |                       |                        |                    |
| Bloom Color                                                                                     | <input checked="" type="checkbox"/> Green                                       | <input type="checkbox"/> Red                                     | <input type="checkbox"/> Brown                                                                                                                | <input type="checkbox"/> Other: _____   | <input type="checkbox"/> N/A                                             |                                        |                       |                       |                        |                    |
| Algae Distribution                                                                              | <input checked="" type="checkbox"/> Suspended in water column                   | <input checked="" type="checkbox"/> On surface                   | <input type="checkbox"/> Other: _____                                                                                                         | <input type="checkbox"/> N/A            |                                                                          |                                        |                       |                       |                        |                    |
| Water Odors                                                                                     | <input checked="" type="checkbox"/> Normal                                      | <input type="checkbox"/> Sewage                                  | <input type="checkbox"/> Petroleum                                                                                                            | <input type="checkbox"/> Chemical       | <input type="checkbox"/> Other: _____                                    |                                        |                       |                       |                        |                    |
| Parameter Suite                                                                                 | Parameter Methods                                                               |                                                                  |                                                                                                                                               | Preservation                            | pH Check                                                                 | #Bottles Sent to Lab                   | Bottle Group          |                       |                        |                    |
| 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"/> Ice |                                                                          | 1                                      | B                     |                       |                        |                    |
| Preserved Nutrients (500mL HDPE)                                                                | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP         |                                                                  |                                                                                                                                               | <input checked="" type="checkbox"/> Ice | <input checked="" type="checkbox"/> H2SO4                                | <input checked="" type="checkbox"/> <2 | 1                     | B                     |                        |                    |
|                                                                                                 | Acid Lot:                                                                       |                                                                  |                                                                                                                                               | Exp:                                    |                                                                          |                                        |                       |                       |                        |                    |
| Filtered Nutrients (P125mL)                                                                     | <input checked="" type="checkbox"/> W-PO4-F                                     | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter |                                                                                                                                               | <input checked="" type="checkbox"/> Ice |                                                                          | 1                                      | B                     |                       |                        |                    |
| Quantitative Algae                                                                              | <input checked="" type="checkbox"/> DTY-QN-C / PKD-QN-C                         |                                                                  |                                                                                                                                               | <input checked="" type="checkbox"/> Ice | Lugols? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 1                                      | C                     |                       |                        |                    |
| Relinquished By:                                                                                | Date/Time                                                                       | Number of Coolers Shipped                                        |                                                                                                                                               |                                         | Received By:                                                             | Date/Time                              |                       |                       |                        |                    |
| Leif Boman                                                                                      | 03/10/20 16:00                                                                  | 1                                                                |                                                                                                                                               |                                         | ABF                                                                      | 3-11-20/10:25                          |                       |                       |                        |                    |

LIMS EVENT ID: WQAP-2020-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

Date of Request: 06-FEB-2020  
 Created By: LINGER\_M On: 06-FEB-2020  
 Modified By: JASROTIA\_P On: 07-FEB-2020  
 Customer: WQAP  
 Project: BLOOM-RESP  
 Division: Division of Environmental Assessment and Restoration  
 District: CEROC  
 Sampling Event: Algal Bloom Response - CEROC

**Send Coolers To:**

Phone: 407-897-4180  
 3319 Maguire Blvd  
 Suite 232  
 Orlando, FL 32803  
 Attn: Mike Linger

**Send Final Report To:**

3319 Maguire Blvd  
 Suite 232  
 Orlando, FL 32806  
 Attn: Mike Linger

**Program Module Number:**

Priority: 1  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 07-FEB-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 07-FEB-2020  
 Sampling Kit Required: YES Ship on: 14-FEB-2020  
 Sampling Kit Shipped: YES On: 12-FEB-2020  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 24-FEB-2020  
 Received By: SHAIK\_A On: 11-MAR-2020

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

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

Bottle Groups A/B - separate event, priority 1  
 Bottle Group C - separate event, priority 12

Bottle Group A - Priority 1  
 For algal dominant taxon.

Bottle Group B - Priority 1  
 For toxin testing, nutrients, and chlorophyll

Bottle Group C - Priority 12  
 For algal full ID

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

Please print two copies of algal job labels at login.

**Bottle Group A (Biological) With 2 Samples:**

Bottle Type: PT-50ML Number of Bottles: 2 Preserved With: ICE  
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

**Bottle Group B (Water) With 2 Samples:**

Bottle Type: BP-1L Number of Bottles: 2 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: 2 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: 2 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

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**Bottle Group B (Water) With 2 Samples:**

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                            |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| Bottle Type: P-125ML | Number of Bottles: 2 | 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 |

**Bottle Group C (Water) With 2 Samples:**

|                    |                      |                                                                       |
|--------------------|----------------------|-----------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 2 | Preserved With: Lugols                                                |
| DTY-QN-C           | Template: DEFAULT    | (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample. |
| PKD-QN-C           | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.      |

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