

RQ-2021-10-11-62

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/15/2021 10:08

| *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 |                                 |
| 2.6<br>3.9          |                 |                                        |          | 1015                                  |               | ✓  |          |    | 5225 55408272<br>5225 5540 8283 |
|                     |                 |                                        |          |                                       |               | ✓  |          |    |                                 |
|                     |                 |                                        |          |                                       |               |    |          |    |                                 |
|                     |                 |                                        |          |                                       |               |    |          |    |                                 |
|                     |                 |                                        |          |                                       |               |    |          |    |                                 |
|                     |                 |                                        |          |                                       |               |    |          |    |                                 |

## 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 °C (above 10.0 °C 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: 10/15/2021

Event contains NCRs (Y/N)? ☒Event ID: \_\_\_\_\_ Algae Bloom Response-as needed  
NE-DIST-2021-10-15-02 (BLOOM-RESP)

Page 1 of 2, 06/15/2 Date Received: 15-OCT-2021 10:08

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/28/21 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 219019 exp: 7/1/22          |
| Chlorine Test Strips     | 0129 exp: 03/2023           |

Group B  
Only  
-IM 10/15/21

### 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

|             |            |                           |                   |  |
|-------------|------------|---------------------------|-------------------|--|
| RQ-2021-    | 10711-62   | Collected By:             | B Davis, J Ferris |  |
| Customer    | WQM P      | Field Report Prepared By: | B Davis           |  |
| Project ID: | BLOOM_RESP | Sampling Agency:          | FDEP              |  |

  

WIN ID/Field ID: 

NEHAB0050

Trout R @ BM ramp

Comments:

  

|         |                                                                                                                                         |                 |                       |                |      |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|----------------|------|
| Matrix: | Measure                                                                                                                                 | (Grab)          | Collection Equipment: | Outho #7       |      |
| Tide:   | <input type="checkbox"/> Rising <input checked="" type="checkbox"/> Falling <input type="checkbox"/> Slack <input type="checkbox"/> N/A | Coordinates:    | 30.4037, -81.6636     |                |      |
|         |                                                                                                                                         | High Tide Time: | 514                   | Low Tide Time: | 1143 |

  

| Water Quality |                                                                      |                |          |            |            |                     |                    |                   |                    |                       |
|---------------|----------------------------------------------------------------------|----------------|----------|------------|------------|---------------------|--------------------|-------------------|--------------------|-----------------------|
| Date          | Time<br><input type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(mg/L) | D.O. (%) | Temp<br>°C | pH<br>(SU) | Sample<br>Depth (m) | Cond.<br>(umho/cm) | Salinity<br>(PPT) | Secchi Disk<br>(m) | Total<br>Depth<br>(m) |
| 10/14/21      | 945                                                                  | 4.95           | 63.7     | 25.1       | 7.18       | 0.25                | 18350              | 1085              | 0.5                | 0.5                   |

  

| Bloom Observations                                                                        |                                                    |                                          |                                     |                                       |              |
|-------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------|--------------|
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                    |                                          |                                     |                                       |              |
| Water Surface                                                                             | <input checked="" type="checkbox"/> Clear          | <input type="checkbox"/> Scum            | <input type="checkbox"/> Globbs     | <input type="checkbox"/> Slick        |              |
| Water Clarity                                                                             | <input checked="" type="checkbox"/> Clear          | <input type="checkbox"/> Slightly Turbid | <input type="checkbox"/> Turbid     | <input type="checkbox"/> Opaque       |              |
| Bloom Color                                                                               | <input type="checkbox"/> Green                     | <input type="checkbox"/> Red             | <input type="checkbox"/> Brown      | <input type="checkbox"/> Other: _____ |              |
| Algae Distribution                                                                        | <input type="checkbox"/> Suspended in water column |                                          | <input type="checkbox"/> On surface | <input type="checkbox"/> Other: _____ |              |
| Water Odors                                                                               | <input checked="" type="checkbox"/> Normal         | <input type="checkbox"/> Sewage          | <input type="checkbox"/> Petroleum  | <input type="checkbox"/> Chemical     | 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 type="checkbox"/> Ice                                                                           |                             | 1                    | B            |
| Toxins (BG-WD250)                | <input checked="" type="checkbox"/> W-MCYST-AA                                                               | <input type="checkbox"/> Ice                                                                           |                             | 1                    | B            |
| Preserved Nutrients (500mL HDPE) | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>Lot: SA1105060 Exp: 4/30/22       | <input type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4<br><input type="checkbox"/> Ice | <input type="checkbox"/> <2 | 1                    | B            |
| Filtered Nutrients (P125mL)      | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45um Filter | <input type="checkbox"/> Ice                                                                           | <input type="checkbox"/> <2 | 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      |
| B-D              | 10/14/21 1600 | 2                         | IM           | 10/15/21 10:08 |

# Cyanobacteria Bloom Response Field Data Sheet

|                        |  |                                    |  |
|------------------------|--|------------------------------------|--|
| RQ-2021-10-11-62       |  | Collected By: B. Davis, J. Penick  |  |
| Customer: WGNP         |  | Field Report Prepared By: B. Davis |  |
| Project ID: BLOOM_RESP |  | Sampling Agency: FDEP              |  |

  

WIN ID/Field ID: 

NEHAB0036

Lions Club Boat Ramp

Comments:

  

|                                                                                                                                               |  |                                          |  |                                           |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|-------------------------------------------|--|
| Matrix: M-Lige                                                                                                                                |  | <input checked="" type="checkbox"/> Grab |  | Collection Equipment: Orto #7             |  |
| Tide: <input type="checkbox"/> Rising <input checked="" type="checkbox"/> Falling <input type="checkbox"/> Slack <input type="checkbox"/> N/A |  | Coordinates: 30,3786,-81.6228            |  | High Tide Time: 5:14 Low Tide Time: 11:43 |  |

  

| Water Quality |                                                                      |                |          |            |            |                     |                    |                   |                    |                       |
|---------------|----------------------------------------------------------------------|----------------|----------|------------|------------|---------------------|--------------------|-------------------|--------------------|-----------------------|
| Date          | Time<br><input type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(mg/L) | D.O. (%) | Temp<br>°C | pH<br>(SU) | Sample<br>Depth (m) | Cond.<br>(umho/cm) | Salinity<br>(PPT) | Secchi Disk<br>(m) | Total<br>Depth<br>(m) |
| 10/14/21      | 1010                                                                 | 5.58           | 78.2     | 26.5       | 7.64       | 0.3                 | 21244              | 12.77             | 1.0                | 6.1                   |
|               | 1012                                                                 | 5.58           | 76.5     | 26.9       | 7.66       | 5.6                 | 26344              | 16.05             |                    |                       |

  

| Bloom Observations                                                                        |                                                    |                                          |                                     |                                       |                                       |
|-------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                    |                                          |                                     |                                       |                                       |
| Water Surface                                                                             | <input checked="" type="checkbox"/> Clear          | <input type="checkbox"/> Scum            | <input type="checkbox"/> Globs      | <input type="checkbox"/> Slick        |                                       |
| Water Clarity                                                                             | <input checked="" type="checkbox"/> Clear          | <input type="checkbox"/> Slightly Turbid | <input type="checkbox"/> Turbid     | <input type="checkbox"/> Opaque       |                                       |
| Bloom Color                                                                               | <input type="checkbox"/> Green                     | <input type="checkbox"/> Red             | <input type="checkbox"/> Brown      | <input type="checkbox"/> Other: _____ |                                       |
| Algae Distribution                                                                        | <input type="checkbox"/> Suspended in water column |                                          | <input type="checkbox"/> On surface | <input type="checkbox"/> Other: _____ |                                       |
| 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 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 type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4                                       | <input checked="" type="checkbox"/> <2 | 1                    | B            |
| Filtered Nutrients (P125mL)      | Lot: SA1105060 Exp: 4/30/22                                             | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45um Filter | <input type="checkbox"/> <2            | 1                    | B            |
| Quantitative Algae               | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                            | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                                                 |                                        |                      |              |

  

|                           |                          |                              |                 |                           |
|---------------------------|--------------------------|------------------------------|-----------------|---------------------------|
| Relinquished By: B. Davis | Date/Time: 10/14/21 1600 | Number of Coolers Shipped: 2 | Received By: IM | Date/Time: 10/15/21 10:08 |
|---------------------------|--------------------------|------------------------------|-----------------|---------------------------|

# Cyanobacteria Bloom Response Field Data Sheet

|                        |                                           |
|------------------------|-------------------------------------------|
| RQ-2021- 10-11-62      | Collected By: <i>Brian D. Jeremy P.</i>   |
| Customer: <i>WQMP</i>  | Field Report Prepared By: <i>Brian D.</i> |
| Project ID: BLOOM_RESP | Sampling Agency: FDEP                     |

Comments:

WIN ID/Field ID:



NEHAB0059

Ortega River @ Imperial Cove Rd

|                                                                                                                                               |                             |                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------|
| Matrix: <i>Marine</i>                                                                                                                         | (Grab)                      | Collection Equipment: <i>O-L6 #7</i> |
| Coordinates: <i>30.2511, -81.7019</i>                                                                                                         |                             |                                      |
| Tide: <input type="checkbox"/> Rising <input checked="" type="checkbox"/> Falling <input type="checkbox"/> Slack <input type="checkbox"/> N/A | High Tide Time: <i>6 11</i> | Low Tide Time: <i>12 40</i>          |

| Water Quality   |                                                                      |                |             |             |             |                     |                    |                   |                    |                       |
|-----------------|----------------------------------------------------------------------|----------------|-------------|-------------|-------------|---------------------|--------------------|-------------------|--------------------|-----------------------|
| Date            | Time<br><input type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(mg/L) | D.O. (%)    | Temp<br>°C  | pH<br>(SU)  | Sample<br>Depth (m) | Cond.<br>(umho/cm) | Salinity<br>(PPT) | Secchi Disk<br>(m) | Total<br>Depth<br>(m) |
| <i>10/14/21</i> | <i>1245</i>                                                          | <i>5.16</i>    | <i>64.0</i> | <i>26.5</i> | <i>7.24</i> | <i>0.3</i>          | <i>830</i>         | <i>0.40</i>       | <i>1.0</i>         | <i>1.2</i>            |

## Bloom Observations

|                                                                                                  |                                                                                   |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No        |                                                                                   |
| Water Surface <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Scum            | Globs <input type="checkbox"/> Slick                                              |
| Water Clarity <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid | Turbid <input type="checkbox"/> Opaque                                            |
| Bloom Color <input type="checkbox"/> Green <input type="checkbox"/> Red                          | Brown <input type="checkbox"/> Other: _____                                       |
| Algae Distribution <input type="checkbox"/> Suspended in water column                            | On surface <input type="checkbox"/> Other: _____                                  |
| Water Odors <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Sewage           | 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            |
| Filtered Nutrients (P125mL)      | Lot <i>SA1105060</i> Exp: <i>4/30/22</i>                                | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45um Filter | <input type="checkbox"/> <2            | 1                                | B            |
| Quantitative Algae               | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                            | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                                                 |                                        |                                  |              |
| Relinquished By: <i>B. D.</i>    | Date/Time: <i>10/14/21 1600</i>                                         | Number of Coolers Shipped: <i>2</i>                                                                          | Received By: <i>IM</i>                 | Date/Time: <i>10/15/21 10:08</i> |              |

# Cyanobacteria Bloom Response Field Data Sheet

| RQ-2021-10-11-62                                                                                                                     |                                                                                                                                         | Collected By:                            | B Davis, J Pennis                           |                                                                  |                                         |                             |                    |                    |                    |                       |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------|------------------------------------------------------------------|-----------------------------------------|-----------------------------|--------------------|--------------------|--------------------|-----------------------|
| Customer                                                                                                                             | VQMP                                                                                                                                    | Field Report Prepared By:                | B Davis                                     |                                                                  |                                         |                             |                    |                    |                    |                       |
| Project ID:                                                                                                                          | BLOOM_RESP                                                                                                                              | Sampling Agency:                         | FDEP                                        |                                                                  |                                         |                             |                    |                    |                    |                       |
| WIN ID/Field ID:                                                                                                                     |                                                                                                                                         | Comments:                                |                                             |                                                                  |                                         |                             |                    |                    |                    |                       |
| <br>NEHAB0032<br>Pottsburg Creek @ River Hills Cr E |                                                                                                                                         | Collection Equipment: Outgo # 7          |                                             |                                                                  |                                         |                             |                    |                    |                    |                       |
| Matrix:                                                                                                                              | Murice                                                                                                                                  | (Grab)                                   | Coordinates: 30.31468, -81.55481            |                                                                  |                                         |                             |                    |                    |                    |                       |
| Tide:                                                                                                                                | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input checked="" type="checkbox"/> Slack <input type="checkbox"/> N/A | High Tide Time:                          | 533                                         | Low Tide Time: 1202                                              |                                         |                             |                    |                    |                    |                       |
| Water Quality                                                                                                                        |                                                                                                                                         |                                          |                                             |                                                                  |                                         |                             |                    |                    |                    |                       |
| Date                                                                                                                                 | Time<br><input type="checkbox"/> EST<br><input type="checkbox"/> CEN                                                                    | D.O.<br>(mg/L)                           | D.O. (%)                                    | Temp<br>°C                                                       | pH<br>(SU)                              | Sample<br>Depth (m)         | Cond.<br>(umho/cm) | Salinity<br>(PPTH) | Secchi Disk<br>(m) | Total<br>Depth<br>(m) |
| 10/14/21                                                                                                                             | 1205                                                                                                                                    | 4.42                                     | 56.4                                        | 26.8                                                             | 7.18                                    | 0.3                         | 5085               | 2.72               | 10B                | 0.7                   |
| Bloom Observations                                                                                                                   |                                                                                                                                         |                                          |                                             |                                                                  |                                         |                             |                    |                    |                    |                       |
| Algal Bloom Observed? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |                                                                                                                                         |                                          |                                             |                                                                  |                                         |                             |                    |                    |                    |                       |
| Water Surface                                                                                                                        | <input checked="" type="checkbox"/> Clear                                                                                               | <input type="checkbox"/> Scum            | <input type="checkbox"/> Globs              | <input type="checkbox"/> Slick                                   |                                         |                             |                    |                    |                    |                       |
| Water Clarity                                                                                                                        | <input checked="" type="checkbox"/> Clear                                                                                               | <input type="checkbox"/> Slightly Turbid | <input type="checkbox"/> Turbid             | <input type="checkbox"/> Opaque                                  |                                         |                             |                    |                    |                    |                       |
| Bloom Color                                                                                                                          | <input type="checkbox"/> Green                                                                                                          | <input type="checkbox"/> Red             | <input type="checkbox"/> Brown              | <input type="checkbox"/> Other:                                  |                                         |                             |                    |                    |                    |                       |
| Algae Distribution                                                                                                                   | <input type="checkbox"/> Suspended in water column                                                                                      | <input type="checkbox"/> On surface      | <input type="checkbox"/> Other:             |                                                                  |                                         |                             |                    |                    |                    |                       |
| Water Odors                                                                                                                          | <input checked="" type="checkbox"/> Normal                                                                                              | <input type="checkbox"/> Sewage          | <input type="checkbox"/> Petroleum          | <input type="checkbox"/> Chemical                                | 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                  |                    |                    |                       |
| Filtered Nutrients (P125mL)                                                                                                          | Lot SA1105060                                                                                                                           | Exp: 4/30/22                             | <input checked="" type="checkbox"/> W-PO4-F | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter | <input checked="" type="checkbox"/> Ice | <input type="checkbox"/> <2 | 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                               |                             |                    |                    |                    |                       |
| B-D-                                                                                                                                 | 10/14/21 1600                                                                                                                           | 2                                        |                                             | IM                                                               | 10/15/21 10:08                          |                             |                    |                    |                    |                       |

Added from sample  
bottle - IM 10/15/21

# Cyanobacteria Bloom Response Field Data Sheet

| RQ-2021-0-11-62                                                                                |                                                                                                                                         | Collected By:                            | Brian D. J. Parris                                                                |                     |                                        |                            |                    |                   |                    |                       |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------|---------------------|----------------------------------------|----------------------------|--------------------|-------------------|--------------------|-----------------------|
| Customer                                                                                       | WQMP                                                                                                                                    | Field Report Prepared By:                | Brian D.                                                                          |                     |                                        |                            |                    |                   |                    |                       |
| Project ID:                                                                                    | BLOOM_RESP                                                                                                                              | Sampling Agency:                         | FDEP                                                                              |                     |                                        |                            |                    |                   |                    |                       |
| WIN ID/Field ID:                                                                               |                                                                                                                                         | Comments:                                |                                                                                   |                     |                                        |                            |                    |                   |                    |                       |
| <br>NEHAB0031 |                                                                                                                                         | Collection Equipment: Orto # 7           |                                                                                   |                     |                                        |                            |                    |                   |                    |                       |
| Matrix:                                                                                        | Muric                                                                                                                                   | Grab                                     | Coordinates: 30.33380, -81.61283                                                  |                     |                                        |                            |                    |                   |                    |                       |
| Tide:                                                                                          | <input type="checkbox"/> Rising <input checked="" type="checkbox"/> Falling <input type="checkbox"/> Slack <input type="checkbox"/> N/A | High Tide Time:                          | 533                                                                               | Low Tide Time: 1202 |                                        |                            |                    |                   |                    |                       |
| Water Quality                                                                                  |                                                                                                                                         |                                          |                                                                                   |                     |                                        |                            |                    |                   |                    |                       |
| Date                                                                                           | Time<br><input type="checkbox"/> EST<br><input type="checkbox"/> CEN                                                                    | D.O.<br>(mg/L)                           | D.O. (%)                                                                          | Temp<br>°C          | pH<br>(SU)                             | Sample<br>Depth (m)        | Cond.<br>(umho/cm) | Salinity<br>(PPT) | Secchi Disk<br>(m) | Total<br>Depth<br>(m) |
| 10/14/21                                                                                       | 1040                                                                                                                                    | 5.91                                     | 77.3                                                                              | 26.7                | 7.56                                   | 0.3                        | 14420              | 8.32              |                    | 0.9                   |
| Bloom Observations                                                                             |                                                                                                                                         |                                          |                                                                                   |                     |                                        |                            |                    |                   |                    |                       |
| Algal Bloom Observed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No      |                                                                                                                                         |                                          |                                                                                   |                     |                                        |                            |                    |                   |                    |                       |
| Water Surface                                                                                  | <input checked="" type="checkbox"/> Clear                                                                                               | <input type="checkbox"/> Scum            | <input type="checkbox"/> Globbs                                                   |                     | <input type="checkbox"/> Slick         |                            |                    |                   |                    |                       |
| Water Clarity                                                                                  | <input checked="" type="checkbox"/> Clear                                                                                               | <input type="checkbox"/> Slightly Turbid | <input type="checkbox"/> Turbid                                                   |                     | <input type="checkbox"/> Opaque        |                            |                    |                   |                    |                       |
| Bloom Color                                                                                    | <input type="checkbox"/> Green                                                                                                          | <input type="checkbox"/> Red             | <input type="checkbox"/> Brown                                                    |                     | <input type="checkbox"/> Other: _____  |                            |                    |                   |                    |                       |
| Algae Distribution                                                                             | <input type="checkbox"/> Suspended in water column                                                                                      |                                          | <input type="checkbox"/> On surface                                               |                     | <input type="checkbox"/> Other: _____  |                            |                    |                   |                    |                       |
| Water Odors                                                                                    | <input checked="" type="checkbox"/> Normal                                                                                              | <input type="checkbox"/> Sewage          | <input type="checkbox"/> Petroleum                                                |                     | <input type="checkbox"/> Chemical      |                            | Other: _____       |                   |                    |                       |
| Parameter Suite                                                                                | Parameter Methods                                                                                                                       |                                          | Preservation                                                                      |                     | pH<br>Check                            | #Bottles<br>Sent to<br>Lab | Bottle<br>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                          | P                  |                   |                    |                       |
| Toxins (BG-WD250)                                                                              | <input checked="" type="checkbox"/> W-MCYST-AA                                                                                          |                                          | <input checked="" type="checkbox"/> Ice                                           |                     |                                        | 1                          | B                  |                   |                    |                       |
| Preserved Nutrients<br>(500mL HDPE)                                                            | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP                                                                 |                                          | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 |                     | <input checked="" type="checkbox"/> <2 | 1                          | B                  |                   |                    |                       |
| Filtered Nutrients<br>(P125mL)                                                                 | Lot 5A1105060                                                                                                                           |                                          | Exp: 4/30/22                                                                      |                     | <input type="checkbox"/> <2            |                            |                    |                   |                    |                       |
| Quantitative Algae                                                                             | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45um Filter                            |                                          | <input checked="" type="checkbox"/> Ice                                           |                     |                                        | 1                          | ?                  |                   |                    |                       |
|                                                                                                | <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                              |                            |                    |                   |                    |                       |
| B. D.                                                                                          | 10/14/21 1600                                                                                                                           | 2                                        |                                                                                   | IM                  | 10/15/21 10:08                         |                            |                    |                   |                    |                       |

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID:

Desa

RQ:

2021-10-11-62

Project:

Agave Response

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification:

8/16/21

| DO<br>DEP SOP<br>FT 1500 | Name         | Date     | Time<br>CT-ET | Temp<br>°C | Baro-<br>meter<br>mmHg | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO  | Probe<br>Charge | Probe<br>Gain | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|--------------|----------|---------------|------------|------------------------|-----------------------|-----------------------|-------|-----------------|---------------|-------------------|-------------------|
| Calibr.                  | J. P. Arslan | 10/14/21 | 805           | 21.2       | 760                    | 8.9                   | 8.84                  | 100.0 | —               | 1.07          | P/F               | L/F               |
| ICV                      | J            | 10/14/21 | 816           | 21.2       | 760                    | 8.9                   | 8.89                  | 100.0 | —               | 1.07          | P/F               | L/F               |
| CCV                      | J. P. Arslan | 10/14/21 | 840           | 22.1       | 759                    | 8.7                   | 8.78                  | 100.6 | —               | —             | P/F               | L/F               |
| CCV                      |              |          |               |            |                        |                       |                       |       |                 |               | P/F               | L/F               |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec.<br>Cond.<br>FT 1200 | Name         | Date     | Time<br>CT-ET | Lot #   | Expir.<br>Date | Standard<br>umhos/cm | Meter<br>Reading<br>umhos/cm | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|---------------------------|--------------|----------|---------------|---------|----------------|----------------------|------------------------------|-------------------|-------------------|
| Calibr.                   | J. P. Arslan | 10/14/21 | 807           | 210426B | 5/22           | 1000                 | 1000                         | P/F               | L/F               |
| ICV                       | J            | 10/14/21 | 809           | 216426A | 5/22           | 100                  | 98.3                         | P/F               | L/F               |
| CCV                       | J. P. Arslan | 10/14/21 | 1710          | 210917C | 9/22           | 50000                | 50062                        | P/F               | L/F               |
| CCV                       |              |          |               |         |                |                      |                              | P/F               | L/F               |

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name         | Date     | Time<br>CT-ET | Lot #   | Expir.<br>Date | pH<br>Buffer<br>SU | Temp<br>°C | Meter<br>reading<br>SU | mV   | Pass<br>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|--------------|----------|---------------|---------|----------------|--------------------|------------|------------------------|------|-------------------|-------------------|
| Calibr.                  | J. P. Arslan | 10/14/21 | 810           | 2107656 | 7/23           | 7.                 | 21.8       | 7.00                   | 230  | P/F               | L/F               |
| Calibr.                  | J            | 10/14/21 | 811           | 2107640 | 7/23           | 4.                 | 21.7       | 4.00                   | 156  | P/F               | L/F               |
| Calibr.                  | J            | 10/14/21 | 815           | 2107608 | 6/22           | 10.                | 21.8       | 10.00                  | 192  | P/F               | L/F               |
| ICV                      | J            | 10/14/21 | 819           | 2107640 | 7/23           | 7.                 | 21.7       | 7.08                   | 23.0 | P/F               | L/F               |
| CCV                      | J. P. Arslan | 10/14/21 | 1442          | 2107608 | 6/22           | 10.                | 21.6       | 9.97                   | 192  | P/F               | L/F               |
| CCV                      |              |          |               |         |                |                    |            |                        |      | P/F               | L/F               |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ; mV pH 4 Range  $+180 \pm 50$ ; mV pH 10 Range  $-180 \pm 50$ ;

If mV are recorded: slope from 7 to 10 169, slope from 4 to 7 179 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 8/18/21

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: ; Date of last verification:

| Depth Sensor<br>(Daily Calibration &<br>ICV) | Name         | Date     | Time<br>CT-ET | Calibrated<br>Value (0.00 or<br>Offset), meters | ICV Value,<br>meters | Pass /<br>Fail | Lab /<br>Field |
|----------------------------------------------|--------------|----------|---------------|-------------------------------------------------|----------------------|----------------|----------------|
| Pressure mode in air                         | J. P. Arslan | 10/14/21 | 820           | 0.00                                            | 0.00                 | P/F            | L/F            |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS:

Date of Request: 04-OCT-2021  
 Created By: DAVIS\_B On: 04-OCT-2021  
 Modified By: JASROTIA\_P On: 04-OCT-2021  
 Customer: NE-DIST  
 Project: BLOOM-RESP  
 Division:  
 District: Northeast District  
 Event Description: Algae Bloom Response-as needed

**Send Coolers To:**

Phone: 904-256-1568  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256-7577  
 Attn: Brian G Davis  
 Cooler Ship EMail: Brian.g.davis@floridadep.gov

Priority: 1  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 04-OCT-2021  
 Biology Request Reviewed By: JASROTIA\_P On: 04-OCT-2021  
 Sampling Kit Required: YES Ship on: 08-OCT-2021  
 Sampling Kit Shipped: YES On: 06-OCT-2021  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 11-OCT-2021  
 Logged In By:

**Send Final Report To:**

8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256-7577  
 Attn: Brian G Davis  
 Report Notification EMail: Brian.g.davis@floridadep.gov

Comments:

Analyze toxin upon receipt after consultation with Biology's Taxonomy Manager.

Bottle Groups A/B - separate event, priority 1

Bottle Group A - Priority 1  
 For algal ID dominant taxon.

Bottle Group B - Priority 1  
 For toxin testing Nutrients, Chlorophyll, Toxin.

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.

**Bottle Group A (Biological) With 7 Samples:**

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 7 | Preserved With: ICE                                                 |
| BLOOM-ID             | Template: DEFAULT    | (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample |

**Bottle Group B (Water) With 7 Samples:**

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L          | Number of Bottles: 7 | 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: 7 | 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: 7 | 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: 7 | Preserved With: FILTER-ICE                                                                                   |
| W-PO4-F                     | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

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