

RQ-2022-08-01-66

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 8/2/2022 9:25

| *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 |                    |
| 2.4<br>3.3          |                 |                                        |          | 15                                    |               | ✓  |          |    | 5225 5548 9107     |
|                     |                 |                                        |          | 15                                    |               | ✓  |          |    | 5225 5548 9118     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No ☐

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

Yes ☐ No ☒

## CONTAINER CHECK

Evidence Tape on Bottles?

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

If Criminal, photographs taken?

Yes ☐ No ☒Containers intact? Yes ☒ No ☐

Caps on tight?

Yes ☒ No ☐

Sufficient Sample Volume:

Yes ☒ No ☐If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ☐ No ☒ Init: IM

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☐ Init: \_\_\_\_\_

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

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

\*\*Acid Preserved Samples: pH &lt; 2.0?

Yes ☒ No ☐ NA ☐ Init: IM

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

Yes ☐ No ☐ NA ☒ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 8/2/2022

Event contains NCRs (Y/N)? ☒

Event ID:

Algal Bloom Response- NEROC  
WQAP-2022-08-03-01 (BLOOM-RESP)  
Date Received: 03-AUG-2022 09:25

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

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

### ENCORE SAMPLES

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

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

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

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

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

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

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

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

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

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

Meter ID: Bruce

RQ: 2022-08-01-666

Project: Algae Doctors

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

- 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 8/1/22

| DO DEP SOP FT 1500 | Name         | Date   | Time CT-ET | Temp °C | Baro-meter mmHg | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|--------------|--------|------------|---------|-----------------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | K. Villinger | 8/2/22 | 822        | 22.7    | 763.7           | 8.7             | —               | 100.5 | —            | 1.022      | (P) F       | (L) F       |
| ICV                |              | ↓      | 826        | 22.8    | 763.7           | 8.7             | 8.64            | 100.3 | —            | 1.022      | (P) F       | (L) F       |
| CCV                |              | ↓      | 1635       | 23.8    | 761.0           | 8.7             | 8.59            | 99.6  | —            | 1.022      | (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. Cond. FT 1200 | Name         | Date   | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ mhos/cm | Meter Reading $\mu$ mhos/cm | Pass / Fail | Lab / Field |
|---------------------|--------------|--------|------------|---------|-------------|------------------------|-----------------------------|-------------|-------------|
| Calibr.             | K. Villinger | 8/2/22 | 930        | 2202258 | 3/23        | 1000                   | 1000                        | (P) F       | (L) F       |
| ICV                 |              | ↓      | 936        | 210917A | 9/22        | 100                    | 100.5                       | (P) F       | (L) F       |
| CCV                 |              | ↓      | 1638       | 211122A | 12/22       | 15000                  | 15039                       | (P) F       | (L) F       |
| CCV                 |              |        |            |         |             |                        |                             | P / F       | L / F       |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name         | Date   | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Temp °C | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|--------------|--------|------------|---------|-------------|--------------|---------|------------------|--------|-------------|-------------|
| Calibr.            | K. Villinger | 8/2/22 | 842        | 4203B87 | 2/24        | 7.00         | 23.7    | 7.00             | -14.6  | (P) F       | (L) F       |
| Calibr.            |              |        | 847        | 2205F96 | 5/24        | 4.00         | 23.7    | 4.00             | 165.3  | (P) F       | (L) F       |
| Calibr.            |              |        | 851        | 2202A63 | 7/23        | 10.01        | 23.8    | 10.01            | -145.3 | (P) F       | (L) F       |
| ICV                |              |        | 856        | 2205F96 | 5/24        | 4.00         | 23.8    | 4.00             | 164.1  | (P) F       | (L) F       |
| CCV                |              | ↓      | 1641       | 2202A63 | 7/23        | 10.01        | 24.4    | 9.99             | -146.2 | (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 10 170.7, slope from 4 to 7 179.9 (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: 8/1/22

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

| Depth Sensor (Daily Calibration & ICV) | Name         | Date   | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value, meters | Pass / Fail | Lab / Field |
|----------------------------------------|--------------|--------|------------|-------------------------------------------|-------------------|-------------|-------------|
| Pressure mode in air                   | K. Villinger | 8/2/22 | 857        | 0.000                                     | 0.000             | (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:



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

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

|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------|------------------------|-----------------------------------------------|-----------------------------|---------------------------------------------------------------------|--|
| <b>RQ - 2022-08-01-66</b>                                                                        |                                                                                        | <b>Collected By:</b>                                                                                                           |                                                                                                                                                      | Brian Davis, Katrin Villinger                                    |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Customer:</b>                                                                                 | WQAP                                                                                   | <b>Field Report Prepared By:</b>                                                                                               |                                                                                                                                                      | Brian Davis                                                      |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                             | <b>Sampling Agency:</b>                                                                                                        |                                                                                                                                                      | NEROC                                                            |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Location:</b> Doctor's Lake @ Mill Cove                                                       |                                                                                        |                                                                                                                                | <b>Comments:</b>                                                                                                                                     |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Field ID:</b> NEHAB0057                                                                       |                                                                                        |                                                                                                                                | <b>Coordinates:</b> 30.12510, -81.72682                                                                                                              |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>WIN Secondary Resource Type:</b> Lake                                                         |                                                                                        |                                                                                                                                | <b>Collection Equip:</b> WaterBottle                                                                                                                 |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>WIN ID:</b> NEHAB0057                                                                         |                                                                                        |                                                                                                                                | <b>High Tide Time:</b> 15:45                                                                                                                         |                                                                  | <b>Low Tide Time:</b> 10:35 |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Matrix:</b>                                                                                   | Marine                                                                                 | <b>Grab</b>                                                                                                                    | <b>Tide:</b> <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input checked="" type="checkbox"/> Slack <input type="checkbox"/> N/A |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Water Quality</b>                                                                             |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Date</b>                                                                                      | <b>Time</b><br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | <b>D.O. (%)</b>                                                                                                                | <b>D.O. (mg/L)</b>                                                                                                                                   | <b>Temp (°C)</b>                                                 | <b>pH (SU)</b>              | <b>Sample Depth (m)</b>                                                           | <b>Total Depth (m)</b> | <b>Secchi Disk (m)</b>                        | <b>Sp. Cond. (µmho/cm)</b>  | <b>Salinity (PPT)</b>                                               |  |
| 08/02/2022                                                                                       | 12:20                                                                                  | 115.3                                                                                                                          | 8.41                                                                                                                                                 | 31.1                                                             | 9.03                        | 0.3                                                                               | 2.3                    | 0.7                                           | 5127                        | 2.73                                                                |  |
|                                                                                                  | 12:21                                                                                  | 78.6                                                                                                                           | 5.8                                                                                                                                                  | 30.5                                                             | 8.81                        | 1.8                                                                               |                        |                                               | 5156                        | 2.75                                                                |  |
| <b>Bloom Observations</b>                                                                        |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                        |                                                                                                                                |                                                                                                                                                      |                                                                  |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| <b>Water Clarity</b>                                                                             |                                                                                        | <input type="checkbox"/> Clear                                                                                                 |                                                                                                                                                      | <input checked="" type="checkbox"/> Slightly Turbid              |                             | <input type="checkbox"/> Turbid                                                   |                        | <input type="checkbox"/> Opaque               |                             |                                                                     |  |
| <b>Bloom Color</b>                                                                               |                                                                                        | <input checked="" type="checkbox"/> Green                                                                                      |                                                                                                                                                      | <input type="checkbox"/> Red                                     |                             | <input type="checkbox"/> Brown                                                    |                        | <input type="checkbox"/> Other:               |                             |                                                                     |  |
| <b>Algae Type</b>                                                                                |                                                                                        | <input checked="" type="checkbox"/> Planktonic                                                                                 |                                                                                                                                                      | <input type="checkbox"/> Filamentous                             |                             | <input type="checkbox"/> Other:                                                   |                        |                                               |                             |                                                                     |  |
| <b>Algae Accumulation</b>                                                                        |                                                                                        | <input type="checkbox"/> Mat                                                                                                   |                                                                                                                                                      | <input checked="" type="checkbox"/> Specks                       |                             | <input type="checkbox"/> Scum                                                     |                        | <input type="checkbox"/> Glob                 |                             |                                                                     |  |
| <b>Algae Distribution</b>                                                                        |                                                                                        | <input type="checkbox"/> Surface-Entire                                                                                        |                                                                                                                                                      | <input type="checkbox"/> Surf-Localized                          |                             | <input type="checkbox"/> Surf-Windblown                                           |                        | <input checked="" type="checkbox"/> Suspended |                             | <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |  |
| <b>Parameter Suite</b>                                                                           |                                                                                        | <b>Parameter Methods</b>                                                                                                       |                                                                                                                                                      |                                                                  |                             | <b>Preservation</b>                                                               |                        | <b>pH Check</b>                               | <b>#Bottles Sent to Lab</b> | <b>Bottle Group</b>                                                 |  |
| Algal ID (PT-50mL)                                                                               |                                                                                        | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                                                                                                                      |                                                                  |                             | <input type="checkbox"/> Ice                                                      |                        |                                               |                             |                                                                     |  |
| Bloom ID (PT-50mL)                                                                               |                                                                                        | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                                                                                                                                                      |                                                                  |                             | <input checked="" type="checkbox"/> Ice                                           |                        |                                               | 1                           | C                                                                   |  |
| Chlorophyll (BP-1L)                                                                              |                                                                                        | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                                                                                                                                                      |                                                                  |                             | <input checked="" type="checkbox"/> Ice                                           |                        |                                               | 1                           | D                                                                   |  |
| Toxins (BG-WD250)                                                                                |                                                                                        | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                                                                                                                                                      |                                                                  |                             | <input checked="" type="checkbox"/> Ice                                           |                        |                                               | 1                           | D                                                                   |  |
| 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                           | D                                                                   |  |
|                                                                                                  |                                                                                        | SA2145160                                                                                                                      |                                                                                                                                                      |                                                                  |                             | 6/2/23                                                                            |                        |                                               |                             |                                                                     |  |
| Filtered Nutrients (P125mL)                                                                      |                                                                                        | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                                                                                                                                                      | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter |                             | <input checked="" type="checkbox"/> Ice                                           |                        |                                               | 1                           | D                                                                   |  |
|                                                                                                  |                                                                                        |                                                                                                                                |                                                                                                                                                      | Filter Lot # R1EB01329                                           |                             |                                                                                   |                        |                                               |                             |                                                                     |  |
| Quantitative Algae                                                                               |                                                                                        | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                                                                                                                                                      |                                                                  |                             | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                      |                        |                                               |                             |                                                                     |  |
| <b>Relinquished By:</b>                                                                          |                                                                                        | <b>Date/Time</b>                                                                                                               |                                                                                                                                                      | <b>Number of Coolers Shipped</b>                                 |                             | <b>Received By:</b>                                                               |                        | <b>Date/Time</b>                              |                             |                                                                     |  |
| Brian Davis                                                                                      |                                                                                        | 08/02/2022 16:30                                                                                                               |                                                                                                                                                      | 2                                                                |                             | IM                                                                                |                        | 8/3/22 9:25                                   |                             |                                                                     |  |



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

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|                                                                                                  |                                                                                                                                |                                                     |                                                                                                                                                      |                                               |                                                                     |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------|
| <b>RQ - 2022-08-01-66</b>                                                                        |                                                                                                                                | <b>Collected By:</b>                                |                                                                                                                                                      | Brian Davis, Katrin Villinger                 |                                                                     |
| <b>Customer:</b>                                                                                 | WQAP                                                                                                                           | <b>Field Report Prepared By:</b>                    |                                                                                                                                                      | Brian Davis                                   |                                                                     |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                                                                     | <b>Sampling Agency:</b>                             |                                                                                                                                                      | NEROC                                         |                                                                     |
| <b>Location:</b> Swimming Pen Cr @ Whitey's Fish Camp                                            |                                                                                                                                |                                                     | <b>Comments:</b>                                                                                                                                     |                                               |                                                                     |
| <b>Field ID:</b> NEHAB0074                                                                       |                                                                                                                                |                                                     | <b>Coordinates:</b> 30.10155, -81.74754                                                                                                              |                                               |                                                                     |
| <b>WIN Secondary Resource Type:</b> River/Stream                                                 |                                                                                                                                |                                                     | <b>Collection Equip:</b> WaterBottle                                                                                                                 |                                               |                                                                     |
| <b>WIN ID:</b> NEHAB0074                                                                         |                                                                                                                                |                                                     | <b>High Tide Time:</b>                                                                                                                               | 04:15                                         | <b>Low Tide Time:</b> 10:55                                         |
| <b>Matrix:</b>                                                                                   | Marine                                                                                                                         | <b>Grab</b>                                         | <b>Tide:</b> <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input checked="" type="checkbox"/> Slack <input type="checkbox"/> N/A |                                               |                                                                     |
| <b>Water Quality</b>                                                                             |                                                                                                                                |                                                     |                                                                                                                                                      |                                               |                                                                     |
| <b>Date</b>                                                                                      | <b>Time</b><br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN                                         | <b>D.O.</b><br>(%)                                  | <b>D.O.</b><br>(mg/L)                                                                                                                                | <b>Temp</b><br>(°C)                           | <b>pH</b><br>(SU)                                                   |
| 08/02/2022                                                                                       | 10:50                                                                                                                          | 80.4                                                | 5.85                                                                                                                                                 | 31.3                                          | 8.29                                                                |
|                                                                                                  |                                                                                                                                |                                                     |                                                                                                                                                      |                                               |                                                                     |
|                                                                                                  | 10:57                                                                                                                          | 60.8                                                | 4.45                                                                                                                                                 | 31                                            | 7.9                                                                 |
|                                                                                                  |                                                                                                                                |                                                     |                                                                                                                                                      |                                               |                                                                     |
| <b>Bloom Observations</b>                                                                        |                                                                                                                                |                                                     |                                                                                                                                                      |                                               |                                                                     |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                                                |                                                     |                                                                                                                                                      |                                               |                                                                     |
| <b>Water Clarity</b>                                                                             | <input type="checkbox"/> Clear                                                                                                 | <input checked="" type="checkbox"/> Slightly Turbid | <input type="checkbox"/> Turbid                                                                                                                      | <input type="checkbox"/> Opaque               |                                                                     |
| <b>Bloom Color</b>                                                                               | <input checked="" type="checkbox"/> Green                                                                                      | <input type="checkbox"/> Red                        | <input type="checkbox"/> Brown                                                                                                                       | <input type="checkbox"/> Other:               |                                                                     |
| <b>Algae Type</b>                                                                                | <input checked="" type="checkbox"/> Planktonic                                                                                 | <input type="checkbox"/> Filamentous                | <input type="checkbox"/> Other:                                                                                                                      |                                               |                                                                     |
| <b>Algae Accumulation</b>                                                                        | <input type="checkbox"/> Mat                                                                                                   | <input checked="" type="checkbox"/> Specks          | <input type="checkbox"/> Scum                                                                                                                        | <input type="checkbox"/> Glob                 |                                                                     |
| <b>Algae Distribution</b>                                                                        | <input type="checkbox"/> Surface-Entire                                                                                        | <input type="checkbox"/> Surf-Localized             | <input type="checkbox"/> Surf-Windblown                                                                                                              | <input checked="" type="checkbox"/> Suspended | <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |
| <b>Parameter Suite</b>                                                                           | <b>Parameter Methods</b>                                                                                                       |                                                     | <b>Preservation</b>                                                                                                                                  | <b>pH Check</b>                               | <b>#Bottles Sent to Lab</b>                                         |
| Algal ID (PT-50mL)                                                                               | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                     | <input type="checkbox"/> Ice                                                                                                                         |                                               |                                                                     |
| Bloom ID (PT-50mL)                                                                               | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                                                     | <input checked="" type="checkbox"/> Ice                                                                                                              |                                               | 1                                                                   |
| Chlorophyll (BP-1L)                                                                              | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                                                     | <input checked="" type="checkbox"/> Ice                                                                                                              |                                               | 1                                                                   |
| Toxins (BG-WD250)                                                                                | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                                                     | <input checked="" type="checkbox"/> Ice                                                                                                              |                                               | 1                                                                   |
| 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                                                                   |
|                                                                                                  | SA2145160                                                                                                                      |                                                     | 6/2/23                                                                                                                                               |                                               |                                                                     |
|                                                                                                  | Acid Lot:                                                                                                                      |                                                     | Exp:                                                                                                                                                 |                                               |                                                                     |
| Filtered Nutrients (P125mL)                                                                      | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                                                     | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter                                                                                     | <input checked="" type="checkbox"/> Ice       | 1                                                                   |
|                                                                                                  |                                                                                                                                |                                                     | Filter Lot # R1EB01329                                                                                                                               |                                               | D                                                                   |
| 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                                                           |
| Brian Davis                                                                                      | 08/02/2022 16:30                                                                                                               | 2                                                   |                                                                                                                                                      | FM                                            | 8/3/22 9:25                                                         |



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

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| <b>RQ - 2022-08-01-66</b>                                                                        |                                                                                                                                | <b>Collected By:</b>                                |                                                                                   | Brian Davis, Katrin Villinger                                                                                                           |                                                                     |                        |                       |                       |                        |                   |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|-----------------------|-----------------------|------------------------|-------------------|
| <b>Customer:</b>                                                                                 | WQAP                                                                                                                           | <b>Field Report Prepared By:</b>                    |                                                                                   | Brian Davis                                                                                                                             |                                                                     |                        |                       |                       |                        |                   |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                                                                     | <b>Sampling Agency:</b>                             |                                                                                   | NEROC                                                                                                                                   |                                                                     |                        |                       |                       |                        |                   |
| <b>Location:</b> Dr's Lake End of Lawrence Rd                                                    |                                                                                                                                |                                                     | <b>Comments:</b>                                                                  |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| <b>Field ID:</b> NEHAB0073                                                                       |                                                                                                                                |                                                     | <b>Coordinates:</b>                                                               | 30.12914, -81.75169                                                                                                                     |                                                                     |                        |                       |                       |                        |                   |
| <b>WIN Secondary Resource Type:</b> Lake                                                         |                                                                                                                                |                                                     | <b>Collection Equip:</b>                                                          | WaterBottle                                                                                                                             |                                                                     |                        |                       |                       |                        |                   |
| <b>WIN ID:</b> NEHAB0073                                                                         |                                                                                                                                |                                                     | <b>High Tide Time:</b>                                                            | 15:45                                                                                                                                   | <b>Low Tide Time:</b> 10:35                                         |                        |                       |                       |                        |                   |
| <b>Matrix:</b>                                                                                   | Marine                                                                                                                         | <b>Grab</b>                                         | <b>Tide:</b>                                                                      | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input checked="" type="checkbox"/> Slack <input type="checkbox"/> N/A |                                                                     |                        |                       |                       |                        |                   |
| Water Quality                                                                                    |                                                                                                                                |                                                     |                                                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| Date                                                                                             | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN                                                | D.O.<br>(%)                                         | D.O.<br>(mg/L)                                                                    | Temp<br>(°C)                                                                                                                            | pH<br>(SU)                                                          | Sample<br>Depth<br>(m) | Total<br>Depth<br>(m) | Secchi<br>Disk<br>(m) | Sp. Cond.<br>(µmho/cm) | Salinity<br>(PPT) |
| 08/02/2022                                                                                       | 11:20                                                                                                                          | 68.7                                                | 4.98                                                                              | 31.9                                                                                                                                    | 8.74                                                                | 0.3                    | 1.1                   | 0.7                   | 5504                   | 2.94              |
|                                                                                                  |                                                                                                                                |                                                     |                                                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
|                                                                                                  |                                                                                                                                |                                                     |                                                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| Bloom Observations                                                                               |                                                                                                                                |                                                     |                                                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                                                |                                                     |                                                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| <b>Water Clarity</b>                                                                             | <input type="checkbox"/> Clear                                                                                                 | <input checked="" type="checkbox"/> Slightly Turbid | <input type="checkbox"/> Turbid                                                   | <input type="checkbox"/> Opaque                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| <b>Bloom Color</b>                                                                               | <input checked="" type="checkbox"/> Green                                                                                      | <input type="checkbox"/> Red                        | <input type="checkbox"/> Brown                                                    | <input type="checkbox"/> Other:                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| <b>Algae Type</b>                                                                                | <input checked="" type="checkbox"/> Planktonic                                                                                 | <input type="checkbox"/> Filamentous                | <input type="checkbox"/> Other:                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| <b>Algae Accumulation</b>                                                                        | <input type="checkbox"/> Mat                                                                                                   | <input checked="" type="checkbox"/> Specks          | <input type="checkbox"/> Scum                                                     | <input type="checkbox"/> Glob                                                                                                           |                                                                     |                        |                       |                       |                        |                   |
| <b>Algae Distribution</b>                                                                        | <input type="checkbox"/> Surface-Entire                                                                                        | <input type="checkbox"/> Surf-Localized             | <input type="checkbox"/> Surf-Windblown                                           | <input checked="" type="checkbox"/> Suspended                                                                                           | <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |                        |                       |                       |                        |                   |
| Parameter Suite                                                                                  | Parameter Methods                                                                                                              |                                                     | Preservation                                                                      | pH<br>Check                                                                                                                             | #Bottles<br>Sent to<br>Lab                                          | Bottle<br>Group        |                       |                       |                        |                   |
| Algal ID (PT-50mL)                                                                               | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                     | <input type="checkbox"/> Ice                                                      |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| Bloom ID (PT-50mL)                                                                               | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                                                     | <input checked="" type="checkbox"/> Ice                                           |                                                                                                                                         | 1                                                                   | C                      |                       |                       |                        |                   |
| Chlorophyll (BP-1L)                                                                              | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                                                     | <input checked="" type="checkbox"/> Ice                                           |                                                                                                                                         | 1                                                                   | D                      |                       |                       |                        |                   |
| Toxins (BG-WD250)                                                                                | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                                                     | <input checked="" type="checkbox"/> Ice                                           |                                                                                                                                         | 1                                                                   | D                      |                       |                       |                        |                   |
| 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                                                                   | D                      |                       |                       |                        |                   |
|                                                                                                  | SA2145160<br>Acid Lot:                      Exp: 6/2/22                                                                        |                                                     |                                                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| Filtered Nutrients<br>(P125mL)                                                                   | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter                   |                                                     | <input checked="" type="checkbox"/> Ice                                           |                                                                                                                                         | 1                                                                   | D                      |                       |                       |                        |                   |
|                                                                                                  | Filter Lot # R1EB01329                                                                                                         |                                                     |                                                                                   |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| Quantitative Algae                                                                               | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                                                     | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                      |                                                                                                                                         |                                                                     |                        |                       |                       |                        |                   |
| <b>Relinquished By:</b>                                                                          | <b>Date/Time</b>                                                                                                               | <b>Number of Coolers Shipped</b>                    | <b>Received By:</b>                                                               | <b>Date/Time</b>                                                                                                                        |                                                                     |                        |                       |                       |                        |                   |
| Brian Davis                                                                                      | 08/02/2022 16:30                                                                                                               | 2                                                   | IM                                                                                | 8/3/22 9:25                                                                                                                             |                                                                     |                        |                       |                       |                        |                   |



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

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|                                                                                                  |                                                                                                                                |                                                     |                                         |                                                                                                                                         |                                  |                                         |                             |                        |                            |                        |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------|-----------------------------|------------------------|----------------------------|------------------------|
| <b>RQ - 2022-08-01-66</b>                                                                        |                                                                                                                                | <b>Collected By:</b>                                |                                         | Brian Davis, Katrin Villinger                                                                                                           |                                  |                                         |                             |                        |                            |                        |
| <b>Customer:</b>                                                                                 | WQAP                                                                                                                           | <b>Field Report Prepared By:</b>                    |                                         | Brian Davis                                                                                                                             |                                  |                                         |                             |                        |                            |                        |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                                                                     | <b>Sampling Agency:</b>                             |                                         | NEROC                                                                                                                                   |                                  |                                         |                             |                        |                            |                        |
| <b>Location:</b> LSJR @ 2930 SR 13                                                               |                                                                                                                                |                                                     | <b>Comments:</b>                        |                                                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| <b>Field ID:</b> NEHAB0077                                                                       |                                                                                                                                |                                                     | <b>Coordinates:</b>                     | 30.05121, -81.66793                                                                                                                     |                                  |                                         |                             |                        |                            |                        |
| <b>WIN Secondary Resource Type:</b> River/Stream                                                 |                                                                                                                                |                                                     | <b>Collection Equip:</b>                | WaterBottle                                                                                                                             |                                  |                                         |                             |                        |                            |                        |
| <b>WIN ID:</b> NEHAB0077                                                                         |                                                                                                                                |                                                     | <b>High Tide Time:</b>                  | 17:00                                                                                                                                   | <b>Low Tide Time:</b> 11:25      |                                         |                             |                        |                            |                        |
| <b>Matrix:</b>                                                                                   | Fresh                                                                                                                          | <b>Grab</b>                                         | <b>Tide:</b>                            | <input checked="" type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input type="checkbox"/> N/A |                                  |                                         |                             |                        |                            |                        |
| <b>Water Quality</b>                                                                             |                                                                                                                                |                                                     |                                         |                                                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| <b>Date</b>                                                                                      | <b>Time</b><br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN                                         | <b>D.O. (%)</b>                                     | <b>D.O. (mg/L)</b>                      | <b>Temp (°C)</b>                                                                                                                        | <b>pH (SU)</b>                   | <b>Sample Depth (m)</b>                 | <b>Total Depth (m)</b>      | <b>Secchi Disk (m)</b> | <b>Sp. Cond. (µmho/cm)</b> | <b>Salinity (PPTH)</b> |
| 08/02/2022                                                                                       | 15:00                                                                                                                          | 106.4                                               | 7.8                                     | 31.7                                                                                                                                    | 8.06                             | 0.3                                     | 1.7                         | 1.5                    | 1000                       | 0.49                   |
|                                                                                                  | 15:05                                                                                                                          | 94.6                                                | 7.02                                    | 30.9                                                                                                                                    | 7.85                             | 1.2                                     |                             |                        | 1003                       | 0.49                   |
| <b>Bloom Observations</b>                                                                        |                                                                                                                                |                                                     |                                         |                                                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                                                |                                                     |                                         |                                                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| <b>Water Clarity</b>                                                                             | <input type="checkbox"/> Clear                                                                                                 | <input checked="" type="checkbox"/> Slightly Turbid | <input type="checkbox"/> Turbid         | <input type="checkbox"/> Opaque                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| <b>Bloom Color</b>                                                                               | <input checked="" type="checkbox"/> Green                                                                                      | <input type="checkbox"/> Red                        | <input type="checkbox"/> Brown          | <input type="checkbox"/> Other:                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| <b>Algae Type</b>                                                                                | <input checked="" type="checkbox"/> Planktonic                                                                                 | <input type="checkbox"/> Filamentous                | <input type="checkbox"/> Other:         |                                                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| <b>Algae Accumulation</b>                                                                        | <input type="checkbox"/> Mat                                                                                                   | <input checked="" type="checkbox"/> Specks          | <input type="checkbox"/> Scum           | <input type="checkbox"/> Glob                                                                                                           |                                  |                                         |                             |                        |                            |                        |
| <b>Algae Distribution</b>                                                                        | <input type="checkbox"/> Surface-Entire                                                                                        | <input type="checkbox"/> Surf-Localized             | <input type="checkbox"/> Surf-Windblown | <input checked="" type="checkbox"/> Suspended                                                                                           | <input type="checkbox"/> Benthic | <input type="checkbox"/> Epiphytic      |                             |                        |                            |                        |
| <b>Parameter Suite</b>                                                                           | <b>Parameter Methods</b>                                                                                                       |                                                     |                                         | <b>Preservation</b>                                                                                                                     |                                  | <b>pH Check</b>                         | <b>#Bottles Sent to Lab</b> | <b>Bottle Group</b>    |                            |                        |
| Algal ID (PT-50mL)                                                                               | <input type="checkbox"/> ALGAL-ID                                                                                              |                                                     |                                         | <input type="checkbox"/> Ice                                                                                                            |                                  |                                         |                             |                        |                            |                        |
| Bloom ID (PT-50mL)                                                                               | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   |                                                     |                                         | <input checked="" type="checkbox"/> Ice                                                                                                 |                                  |                                         | 1                           | C                      |                            |                        |
| Chlorophyll (BP-1L)                                                                              | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 |                                                     |                                         | <input checked="" type="checkbox"/> Ice                                                                                                 |                                  |                                         | 1                           | D                      |                            |                        |
| Toxins (BG-WD250)                                                                                | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                                                     |                                         | <input checked="" type="checkbox"/> Ice                                                                                                 |                                  |                                         | 1                           | D                      |                            |                        |
| 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                           | D                      |                            |                        |
|                                                                                                  | SA2145160                                                                                                                      |                                                     |                                         | 6/2/23                                                                                                                                  |                                  |                                         |                             |                        |                            |                        |
| Filtered Nutrients (P125mL)                                                                      | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                                                     |                                         | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter                                                                        |                                  | <input checked="" type="checkbox"/> Ice | 1                           | D                      |                            |                        |
|                                                                                                  | Filter Lot # R1EB01329                                                                                                         |                                                     |                                         |                                                                                                                                         |                                  |                                         |                             |                        |                            |                        |
| Quantitative Algae                                                                               | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                                                     |                                         | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                                                                            |                                  |                                         |                             |                        |                            |                        |
| <b>Relinquished By:</b>                                                                          | <b>Date/Time</b>                                                                                                               | <b>Number of Coolers Shipped</b>                    |                                         | <b>Received By:</b>                                                                                                                     |                                  | <b>Date/Time</b>                        |                             |                        |                            |                        |
| Brian Davis                                                                                      | 08/02/2022 16:30                                                                                                               | 2                                                   |                                         | IM                                                                                                                                      |                                  | 8/3/22 9:25                             |                             |                        |                            |                        |



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

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|                                              |            |                                  |                                                                                                                                                      |                               |                             |
|----------------------------------------------|------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------|
| <b>RQ - 2022-08-01-66</b>                    |            | <b>Collected By:</b>             |                                                                                                                                                      | Brian Davis, Katrin Villinger |                             |
| <b>Customer:</b>                             | WQAP       | <b>Field Report Prepared By:</b> |                                                                                                                                                      | Brian Davis                   |                             |
| <b>Project ID:</b>                           | BLOOM_RESP | <b>Sampling Agency:</b>          |                                                                                                                                                      | NEROC                         |                             |
| <b>Location:</b> Dr's Lake at Camp Echokotee |            |                                  | <b>Comments:</b>                                                                                                                                     |                               |                             |
| <b>Field ID:</b> NEHAB0085                   |            |                                  | <b>Coordinates:</b> 30.15024, -81.72502                                                                                                              |                               |                             |
| <b>WIN Secondary Resource Type:</b> Lake     |            |                                  | <b>Collection Equip:</b> WaterBottle                                                                                                                 |                               |                             |
| <b>WIN ID:</b> NEHAB0085                     |            |                                  | <b>High Tide Time:</b>                                                                                                                               | 15:45                         | <b>Low Tide Time:</b> 10:35 |
| <b>Matrix:</b>                               | Marine     | <b>Grab</b>                      | <b>Tide:</b> <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input checked="" type="checkbox"/> Slack <input type="checkbox"/> N/A |                               |                             |

| Water Quality |                        |             |                |              |            |                        |                       |                       |                        |                   |
|---------------|------------------------|-------------|----------------|--------------|------------|------------------------|-----------------------|-----------------------|------------------------|-------------------|
| Date          | Time<br>■ EST<br>□ CEN | D.O.<br>(%) | D.O.<br>(mg/L) | Temp<br>(°C) | pH<br>(SU) | Sample<br>Depth<br>(m) | Total<br>Depth<br>(m) | Secchi<br>Disk<br>(m) | Sp. Cond.<br>(µmho/cm) | Salinity<br>(PPT) |
| 08/02/2022    | 12:00                  | 101.6       | 7.36           | 32           | 8.6        | 0.3                    | 0.6                   | 0.5                   | 3496                   | 1.81              |
|               |                        |             |                |              |            |                        |                       |                       |                        |                   |
|               |                        |             |                |              |            |                        |                       |                       |                        |                   |

| Bloom Observations           |                                                                                                                                                                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Algal Bloom Observed?</b> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                       |
| <b>Water Clarity</b>         | <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Opaque                                                                                        |
| <b>Bloom Color</b>           | <input checked="" type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Brown <input type="checkbox"/> Other:                                                                                                     |
| <b>Algae Type</b>            | <input checked="" type="checkbox"/> Planktonic <input type="checkbox"/> Filamentous <input type="checkbox"/> Other:                                                                                                                       |
| <b>Algae Accumulation</b>    | <input type="checkbox"/> Mat <input checked="" type="checkbox"/> Specks <input type="checkbox"/> Scum <input type="checkbox"/> Glob                                                                                                       |
| <b>Algae Distribution</b>    | <input type="checkbox"/> Surface-Entire <input type="checkbox"/> Surf-Localized <input type="checkbox"/> Surf-Windblown <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |

| Parameter Suite                  | Parameter Methods                                                                                                              | Preservation                                                                      | pH Check                                | #Bottles Sent to Lab | Bottle Group |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------|----------------------|--------------|
| Algal ID (PT-50mL)               | <input type="checkbox"/> ALGAL-ID                                                                                              | <input type="checkbox"/> Ice                                                      |                                         |                      |              |
| Bloom ID (PT-50mL)               | <input checked="" type="checkbox"/> BLOOM-ID                                                                                   | <input checked="" type="checkbox"/> Ice                                           |                                         | 1                    | A            |
| Chlorophyll (BP-1L)              | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                 | <input checked="" type="checkbox"/> Ice                                           |                                         | 1                    | B            |
| Toxins (BG-WD250)                | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN | <input checked="" type="checkbox"/> Ice                                           |                                         | 1                    | B            |
| Preserved Nutrients (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            |
|                                  | SA2145160<br>Acid Lot:      Exp: 6/2/23                                                                                        |                                                                                   |                                         |                      |              |
| Filtered Nutrients (P125mL)      | <input checked="" type="checkbox"/> W-PO4-F                                                                                    | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter                  | <input checked="" type="checkbox"/> Ice | 1                    | B            |
|                                  | Filter Lot # R1EB01329                                                                                                         |                                                                                   |                                         |                      |              |
| 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            |              |
| Brian Davis                      | 08/02/2022 16:30                                                                                                               | 2                                                                                 | IM                                      | 8/3/22 9:25          |              |



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|                                                                                                  |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|-----------------------------------------|-----------------------------|------------------------|----------------------------|------------------------|
| <b>RQ - 2022-08-01-66</b>                                                                        |                                                                                                                                                                                                                                           | <b>Collected By:</b>             |                                                                                                                                                      | Brian Davis, Katrin Villinger                                                     |                |                                         |                             |                        |                            |                        |
| <b>Customer:</b>                                                                                 | WQAP                                                                                                                                                                                                                                      | <b>Field Report Prepared By:</b> |                                                                                                                                                      | Brian Davis                                                                       |                |                                         |                             |                        |                            |                        |
| <b>Project ID:</b>                                                                               | BLOOM_RESP                                                                                                                                                                                                                                | <b>Sampling Agency:</b>          |                                                                                                                                                      | NEROC                                                                             |                |                                         |                             |                        |                            |                        |
| <b>Location:</b> Dr's Lake Near Lucy Branch                                                      |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      | <b>Comments:</b>                                                                  |                |                                         |                             |                        |                            |                        |
| <b>Field ID:</b> NEHAB0086                                                                       |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      | <b>Coordinates:</b> 30.13998, -81.74409                                           |                |                                         |                             |                        |                            |                        |
| <b>WIN Secondary Resource Type:</b> River/Stream                                                 |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      | <b>Collection Equip:</b> WaterBottle                                              |                |                                         |                             |                        |                            |                        |
| <b>WIN ID:</b> NEHAB0086                                                                         |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      | <b>High Tide Time:</b> 15:45 <b>Low Tide Time:</b> 10:35                          |                |                                         |                             |                        |                            |                        |
| <b>Matrix:</b>                                                                                   | Marine                                                                                                                                                                                                                                    | <b>Grab</b>                      | <b>Tide:</b> <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input checked="" type="checkbox"/> Slack <input type="checkbox"/> N/A |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Water Quality</b>                                                                             |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Date</b>                                                                                      | <b>Time</b><br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN                                                                                                                                                    | <b>D.O. (%)</b>                  | <b>D.O. (mg/L)</b>                                                                                                                                   | <b>Temp (°C)</b>                                                                  | <b>pH (SU)</b> | <b>Sample Depth (m)</b>                 | <b>Total Depth (m)</b>      | <b>Secchi Disk (m)</b> | <b>Sp. Cond. (µmho/cm)</b> | <b>Salinity (PPTH)</b> |
| 08/02/2022                                                                                       | 11:40                                                                                                                                                                                                                                     | 93.5                             | 6.77                                                                                                                                                 | 31.7                                                                              | 8.82           | 0.3                                     | 1.4                         | 0.6                    | 4819                       | 2.55                   |
|                                                                                                  |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
|                                                                                                  |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Bloom Observations</b>                                                                        |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Algal Bloom Observed?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                                                                                                                                                           |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Water Clarity</b>                                                                             | <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Opaque                                                                                        |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Bloom Color</b>                                                                               | <input checked="" type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Brown <input type="checkbox"/> Other:                                                                                                     |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Algae Type</b>                                                                                | <input checked="" type="checkbox"/> Planktonic <input type="checkbox"/> Filamentous <input type="checkbox"/> Other:                                                                                                                       |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Algae Accumulation</b>                                                                        | <input type="checkbox"/> Mat <input checked="" type="checkbox"/> Specks <input type="checkbox"/> Scum <input type="checkbox"/> Glob                                                                                                       |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Algae Distribution</b>                                                                        | <input type="checkbox"/> Surface-Entire <input type="checkbox"/> Surf-Localized <input type="checkbox"/> Surf-Windblown <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| <b>Parameter Suite</b>                                                                           | <b>Parameter Methods</b>                                                                                                                                                                                                                  |                                  |                                                                                                                                                      | <b>Preservation</b>                                                               |                | <b>pH Check</b>                         | <b>#Bottles Sent to Lab</b> | <b>Bottle Group</b>    |                            |                        |
| Algal ID (PT-50mL)                                                                               | <input type="checkbox"/> ALGAL-ID                                                                                                                                                                                                         |                                  |                                                                                                                                                      | <input type="checkbox"/> Ice                                                      |                |                                         |                             |                        |                            |                        |
| Bloom ID (PT-50mL)                                                                               | <input checked="" type="checkbox"/> BLOOM-ID                                                                                                                                                                                              |                                  |                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                           |                |                                         | 1                           |                        | A                          |                        |
| Chlorophyll (BP-1L)                                                                              | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                            |                                  |                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                           |                |                                         | 1                           |                        | B                          |                        |
| Toxins (BG-WD250)                                                                                | <input checked="" type="checkbox"/> W-MCYST-AA <input checked="" type="checkbox"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN                                                                                                            |                                  |                                                                                                                                                      | <input checked="" type="checkbox"/> Ice                                           |                |                                         | 1                           |                        | B                          |                        |
| Preserved Nutrients (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                          |                        |
|                                                                                                  | SA2145160                                                                                                                                                                                                                                 |                                  |                                                                                                                                                      | 6/2/22                                                                            |                |                                         |                             |                        |                            |                        |
| Filtered Nutrients (P125mL)                                                                      | Acid Lot:                                                                                                                                                                                                                                 |                                  |                                                                                                                                                      | Exp:                                                                              |                |                                         |                             |                        |                            |                        |
|                                                                                                  | <input checked="" type="checkbox"/> W-PO4-F                                                                                                                                                                                               |                                  |                                                                                                                                                      | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter                  |                | <input checked="" type="checkbox"/> Ice | 1                           |                        | B                          |                        |
|                                                                                                  | Filter Lot # R1EB01329                                                                                                                                                                                                                    |                                  |                                                                                                                                                      |                                                                                   |                |                                         |                             |                        |                            |                        |
| 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                   |                        |                            |                        |
| Brian Davis                                                                                      | 08/02/2022 16:30                                                                                                                                                                                                                          |                                  | 2                                                                                                                                                    |                                                                                   | JM             |                                         | 8/3/22 9:25                 |                        |                            |                        |

