## McCoy, Ian

**From:** Davis, Brian G.
**Sent:** Thursday, August 18, 2022 11:56 AM
**To:** McCoy, Ian
**Cc:** Klug, Kyle; Halbert, Katherine
**Subject:** RE: Missing Field Blank Form
**Attachments:** RQ-2022-08-15-20_08172022.pdf

**Follow Up Flag:** Follow up
**Flag Status:** Flagged

Hey Ian,

Sorry about that. This was the first Algal Bloom field blank we have done. I didn't realize it wouldn't be on the field sheet itself. We will know for next time!

Attached is the edited COC.

**From:** McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
**Sent:** Thursday, August 18, 2022 10:22 AM
**To:** Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>
**Cc:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Halbert, Katherine <Katherine.Halbert@FloridaDEP.gov>
**Subject:** Missing Field Blank Form

Good morning, I received RQ-2022-08-15-20 and noticed that the Field Blank didn't have a sample submittal form. Can I get one?

The sample's location/field ID was "Swimming Pen CR @ Whitey's Fish Camp/FB08172022" with a sampling time/date at 8/17/22 @ 10:50, I can log it in based on the bottle but need the paperwork to close out the event on my end.

Let me know if you have any questions, have a great day!

Ian McCoy
Florida DEP Receiving
Lab Support Staff
Phone - 850-245-8062

RQ-2022-08-15-20

# Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 8/18/2022 9:12

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with | | Number of Sample Containers in Cooler | Evidence Tape | | | | Waybill Tracking # |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Present? | | *Intact? | | |
| | YES | $HNO_3$ | Formalin | | Yes | No | Yes | No | |
| 1.8 1.6 | | | | 15 13 | | ✓ | | | 922559588895 |
| | | | | | | ✓ | | | 9225 5545 8910 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**COOLER CHECK**

***All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.**

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

Chain of Custody/ Field Sheet(s) Included? Yes ✓ 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< 2.0? Yes ✓ No____ NA ____ Init: IM

**W-1-4-DIOX *(Green dot on container)* preserved to pH<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:** 8/18/2022 **Event contains NCRs (Y/N)?** N

**Event ID:** WQAP-2022-08-18-02

# Login Checklist

| Login Preservation Equipment | Lot # & Exp: Date |
|---|---|
| **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 |

**Additional Comments:**

**ENCORE SAMPLES**

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

Were Encore samples received? Yes_____ Init:_____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes_____ No_____

If no, were samples shipped on dry ice? Yes_____ No_____

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

**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)

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

Meter ID: Desi RQ- 2022-08-15-20 Project: Dis Lake Algae Re.

**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. | Brian Davis | 8/17/22 | 817 | 23.5 | 758.8 | 8.5 | ✓ | 99.8 | ✓ | 1.01 | (P) / F | (L) / F |
| ICV | | | 820 | 23.5 | 758.8 | 8.5 | 8.49 | 99.9 | ✓ | 1.01 | (P) / F | (L) / F |
| CCV | | | 1475 | 26.0 | 757.9 | 8.1 | 8.14 | 100.4 | ✓ | 1.01 | (P) / F | (L) / F |
| CCV | | | | | | | | | | | P / F | L / F |

DO Acceptance criteria from Table ± 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 µmhos/cm | Meter Reading µmhos/cm | Pass / Fail | Lab / Field |
|---|---|---|---|---|---|---|---|---|---|
| Calibr. | Brian Davis | 8/17/22 | 753 | 220225A | 3/23 | 1000 | 1000 | P / F | L / F |
| ICV | | | 757 | 211122A | 12/22 | 15000 | 14658 | P / F | L / F |
| CCV | | | 1446 | 220225A | 3/23 | 1000 | 1001 | P / F | L / F |
| CCV | | | | | | | | P / F | L / F |

Conductivity Acceptance criteria ± 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. | Brian Davis | 8/17/22 | 805 | 4203B87 | 2/24 | 7.01 | 23.8 | 7.01 | -13.1 | (P) / F | (L) / F |
| Calibr. | | | 808 | 2205F96 | 5/24 | 4.00 | 24.0 | 4.00 | 166.9 | (P) / F | (L) / F |
| Calibr. | | | 812 | 2202F29 | 8/23 | 10.01 | 23.9 | 10.01 | -153.6 | (P) / F | (L) / F |
| ICV | | | 815 | 4203B87 | 2/24 | 7.01 | 23.8 | 7.07 | -12.6 | (P) / F | (L) / F |
| CCV | | | 1447 | 2202F29 | 8/23 | 10.01 | 24.3 | 10.08 | -187.1 | P / F | L / F |
| CCV | | | | | | | | | | P / F | L / F |

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 170.5, slope from 4 to 7 180 (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 | Brian Davis | 8/17/22 | 819 | 0.00 | 0.00 | (P) / F | (L) / F |

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

**COMMENTS:**

Effective Date: 08/16/2022
Revision Date: 08/15/2022
Revision Author: T Balkcom

AB-FIELD-2.3

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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

| | | | |
|---|---|---|---|
| **RQ -** 2022-08-15-20 | | **Collected By:** | Brian Davis, Katherine Halbert |
| **Customer:** | WQAP | **Field Report Prepared By:** | Katherine Halbert |
| **Project ID:** | BLOOM_RESP | **Sampling Agency:** | NEROC |

**Location:** Dr's Lake Near Lucy Branch

**Comments:**

**Field ID:** NEHAB0086

**Coordinates:** 30.14006, -81.74400

**WIN Secondary Resource Type:** Lake

**Collection Equip:** WaterBottle

**WIN ID:** NEHAB0086

**High Tide Time:** 04:53 **Low Tide Time:** 12:10

**Matrix:** Fresh Grab

**Tide:** ■ Rising ☐ Falling ☐ Slack ☐ N/A

## Water Quality

| Date | Time ■ EST ☐ CEN | D.O. (%) | D.O. (mg/L) | Temp (°C) | pH (SU) | Sample Depth (m) | Total Depth (m) | Secchi Disk (m) | Sp. Cond. (µmho/cm) | Salinity (PPTh) |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/17/2022 | 11:35 | 137.6 | 10.2 | 30.9 | 9 | 0.3 | 1.381 | 0.5 | 3114 | 1.61 |
| | 11:37 | 143 | 10.6 | 30.7 | 9.04 | 0.5 | | | 3108 | 1.6 |

## Bloom Observations

**Algal Bloom Observed?** ■ Yes ☐ No

| | | | | |
|---|---|---|---|---|
| **Water Clarity** | ☐ Clear | ■ Slightly Turbid | ☐ Turbid | ☐ Opaque |
| **Bloom Color** | ■ Green | ☐ Red | ☐ Brown | ☐ Other: |
| **Algae Type** | ■ Planktonic | ☐ Filamentous | ☐ Other: | |
| **Algae Accumulation** | ☐ Mat | ■ Specks | ☐ Scum | ☐ Glob |
| **Algae Distribution** | ☐ Surface-Entire | ☐ Surf-Localized | ☐ Surf-Windblown | ■ Suspended ☐ Benthic ☐ Epiphytic |

| Parameter Suite | Parameter Methods | Preservation | pH Check | #Bottles Sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Algal ID (PT-50mL) | ☐ ALGAL-ID | ☐ Ice | | | |
| Bloom ID (PT-50mL) | ■ BLOOM-ID | ■ Ice | | 1 | A |
| Chlorophyll (BP-1L) | ■ CHLSUITE-W | ■ Ice | | 1 | C |
| Toxins (P-125/BG-250) | ■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN | ■ Ice | | 1 | C |
| Preserved Nutrients (500mL HDPE) | ■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>Acid Lot: SA2145160 Exp: 06/02/2023 | ■ Ice ■ H2SO4 | ■ <2 | 1 | 06/02/2023 |
| Filtered Nutrients (P125mL) | ■ W-PO4-F ■ Field Filtered 0.45um Filter<br>Filter Lot # R1EB01329 | ■ Ice | | 1 | C |
| Quantitative Algae | ☐ DTY-QN-C / PKD-QN-C | ☐ Ice ☐ Lugols | | | |

| Relinquished By: | Date/Time | Number of Coolers Shipped | Received By: | Date/Time |
|---|---|---|---|---|
| Katherine Halbert | 08/17/2022 16:30 | 2 | IM | 8/18/22 9:12 |

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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

| | | | |
|---|---|---|---|
| **RQ -** 2022-08-15-20 | | **Collected By:** | Brian Davis |
| **Customer:** | WQAP | **Field Report Prepared By:** | Katherine Halbert |
| **Project ID:** | BLOOM_RESP | **Sampling Agency:** | NEROC |
| **Location:** Dr's Lake End of Lawrence Rd | | **Comments:** | |
| **Field ID:** NEHAB0073 | | **Coordinates:** | 30.12940, -81.75182 |
| **WIN Secondary Resource Type:** Lake | | **Collection Equip:** | WaterBottle |
| **WIN ID:** NEHAB0073 | | **High Tide Time:** | 04:53 **Low Tide Time:** 12:10 |
| **Matrix:** Fresh | Grab | **Tide:** | ■ Rising ☐ Falling ☐ Slack ☐ N/A |

## Water Quality

| Date | Time ■ EST ☐ CEN | D.O. (%) | D.O. (mg/L) | Temp (°C) | pH (SU) | Sample Depth (m) | Total Depth (m) | Secchi Disk (m) | Sp. Cond. (µmho/cm) | Salinity (PPTh) |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/17/2022 | 11:15 | 138.7 | 10.11 | 31.5 | 9 | 0.3 | 1.061 | 0.4 | 3280 | 1.7 |
| | 11:20 | 87.2 | 6.57 | 29.7 | 8.59 | 0.568 | | | 3240 | 1.68 |

## Bloom Observations

**Algal Bloom Observed?** ■ Yes ☐ No

| | | | | |
|---|---|---|---|---|
| **Water Clarity** | ☐ Clear | ■ Slightly Turbid | ☐ Turbid | ☐ Opaque |
| **Bloom Color** | ■ Green | ☐ Red | ☐ Brown | ☐ Other: |
| **Algae Type** | ■ Planktonic | ☐ Filamentous | ☐ Other: | |
| **Algae Accumulation** | ☐ Mat | ■ Specks | ☐ Scum | ☐ Glob |
| **Algae Distribution** | ☐ Surface-Entire | ☐ Surf-Localized | ☐ Surf-Windblown | ■ Suspended ☐ Benthic ☐ Epiphytic |

| Parameter Suite | Parameter Methods | Preservation | pH Check | #Bottles Sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Algal ID (PT-50mL) | ☐ ALGAL-ID | ☐ Ice | | | |
| Bloom ID (PT-50mL) | ■ BLOOM-ID | ■ Ice | | 1 | A |
| Chlorophyll (BP-1L) | ■ CHLSUITE-W | ■ Ice | | 1 | C |
| Toxins (P-125/BG-250) | ■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN | ■ Ice | | 1 | C |
| Preserved Nutrients (500mL HDPE) | ■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>Acid Lot: SA2145160 Exp: 06/02/2023 | ■ Ice ■ H2SO4 | ■ <2 | 1 | C |
| Filtered Nutrients (P125mL) | ■ W-PO4-F ■ Field Filtered 0.45um Filter<br>Filter Lot # R1EB01329 | ■ Ice | | 1 | C |
| Quantitative Algae | ☐ DTY-QN-C / PKD-QN-C | ☐ Ice ☐ Lugols | | | |

| Relinquished By: | Date/Time | Number of Coolers Shipped | Received By: | Date/Time |
|---|---|---|---|---|
| Katherine Halbert | 08/17/2022 16:30 | 2 | JM | 8/18/22 9:12 |

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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

| | | | |
|---|---|---|---|
| **RQ -** 2022-08-15-20 | | **Collected By:** | Brian Davis, Katherine Halbert |
| **Customer:** | WQAP | **Field Report Prepared By:** | Katie H |
| **Project ID:** | BLOOM_RESP | **Sampling Agency:** | NEROC |
| **Location:** Swimming Pen Cr @ Whitey's Fish Camp | | **Comments:** | |
| **Field ID:** NEHAB0074 | | **Coordinates:** | 30.10098, -81.74700 |
| **WIN Secondary Resource Type:** Lake | | **Collection Equip:** | WaterBottle |
| **WIN ID:** NEHAB0074 | | **High Tide Time:** | 04:53 **Low Tide Time:** 12:10 |
| **Matrix:** Fresh | Grab | **Tide:** | ■ Rising ☐ Falling ☐ Slack ☐ N/A |

## Water Quality

| Date | Time ■ EST ☐ CEN | D.O. (%) | D.O. (mg/L) | Temp (°C) | pH (SU) | Sample Depth (m) | Total Depth (m) | Secchi Disk (m) | Sp. Cond. (µmho/cm) | Salinity (PPTh) |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/17/2022 | 10:45 | 92.4 | 6.9 | 30.3 | 8.52 | 0.3 | 1.802 | 0.5 | 4217 | 2.22 |
| | 10:47 | 67.9 | 5.06 | 29.9 | 7.72 | 1.3 | | | 4389 | 2.32 |
| | | | | | | | | | | |

## Bloom Observations

**Algal Bloom Observed?** ☐ Yes ■ No

| | | | | |
|---|---|---|---|---|
| **Water Clarity** | ☐ Clear | ■ Slightly Turbid | ☐ Turbid | ☐ Opaque |
| **Bloom Color** | ☐ Green | ☐ Red | ☐ Brown | ☐ Other: |
| **Algae Type** | ☐ Planktonic | ☐ Filamentous | ☐ Other: | |
| **Algae Accumulation** | ☐ Mat | ☐ Specks | ☐ Scum | ☐ Glob |
| **Algae Distribution** | ☐ Surface-Entire | ☐ Surf-Localized | ☐ Surf-Windblown | ☐ Suspended ☐ Benthic ☐ Epiphytic |

| Parameter Suite | Parameter Methods | Preservation | pH Check | #Bottles Sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Algal ID (PT-50mL) | ☐ ALGAL-ID | ☐ Ice | | | |
| Bloom ID (PT-50mL) | ■ BLOOM-ID | ■ Ice | | 1 | A |
| Chlorophyll (BP-1L) | ■ CHLSUITE-W | ■ Ice | | 1 | C |
| Toxins (P-125/BG-250) | ■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN | ■ Ice | | 1 | C |
| Preserved Nutrients (500mL HDPE) | ■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>Acid Lot: SA2145160 Exp: 06/02/2023 | ■ Ice ■ H2SO4 | ■ <2 | 1 | C |
| Filtered Nutrients (P125mL) | ■ W-PO4-F<br>■ Field Filtered 0.45um Filter<br>Filter Lot # R1EB01329 | ■ Ice | | 1 | C |
| Quantitative Algae | ☐ DTY-QN-C / PKD-QN-C | ☐ Ice ☐ Lugols | | | |

| Relinquished By: | Date/Time | Number of Coolers Shipped | Received By: | Date/Time |
|---|---|---|---|---|
| Katie H | 08/17/2022 16:30 | 2 | IM | 8/18/22 9:12 |

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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

| | | | |
|---|---|---|---|
| **RQ -** 2022-08-15-20 | | **Collected By:** | Brian Davis , Katherine Halbert |
| **Customer:** | WQAP | **Field Report Prepared By:** | Katherine Halbert |
| **Project ID:** | BLOOM_RESP | **Sampling Agency:** | NEROC |

**Location:** Dr's Lake at Camp Echockotee

**Comments:**

**Field ID:** NEHAB0085

**Coordinates:** 30.15015, -81.72511

**WIN Secondary Resource Type:** Lake

**Collection Equip:** WaterBottle

**WIN ID:** NEHAB0085

**High Tide Time:** 04:53 **Low Tide Time:** 12:10

**Matrix:** Fresh Grab

**Tide:** ■ Rising ☐ Falling ☐ Slack ☐ N/A

## Water Quality

| Date | Time ■ EST ☐ CEN | D.O. (%) | D.O. (mg/L) | Temp (°C) | pH (SU) | Sample Depth (m) | Total Depth (m) | Secchi Disk (m) | Sp. Cond. (µmho/cm) | Salinity (PPTh) |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/17/2022 | 11:49 | 124.7 | 9.13 | 31.5 | 8.61 | 0.3 | 0.97 | 0.5 | 2585 | 1.32 |
| | 11:57 | 73.7 | 5.54 | 29.6 | 7.55 | 0.45 | | | 2278 | 1.17 |

## Bloom Observations

**Algal Bloom Observed?** ☐ Yes ■ No

**Water Clarity** ☐ Clear ■ Slightly Turbid ☐ Turbid ☐ Opaque

**Bloom Color** ☐ Green ☐ Red ☐ Brown ☐ Other:

**Algae Type** ☐ Planktonic ☐ Filamentous ☐ Other:

**Algae Accumulation** ☐ Mat ☐ Specks ☐ Scum ☐ Glob

**Algae Distribution** ☐ Surface-Entire ☐ Surf-Localized ☐ Surf-Windblown ☐ Suspended ☐ Benthic ☐ Epiphytic

| Parameter Suite | Parameter Methods | Preservation | pH Check | #Bottles Sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Algal ID (PT-50mL) | ☐ ALGAL-ID | ☐ Ice | | | |
| Bloom ID (PT-50mL) | ■ BLOOM-ID | ■ Ice | | 1 | A |
| Chlorophyll (BP-1L) | ■ CHLSUITE-W | ■ Ice | | 1 | C |
| Toxins (P-125/BG-250) | ■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN | ■ Ice | | 1 | C |
| Preserved Nutrients (500mL HDPE) | ■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>Acid Lot: SA2145160 Exp: 06/02/2023 | ■ Ice ■ H2SO4 | ■ <2 | 1 | C |
| Filtered Nutrients (P125mL) | ■ W-PO4-F ■ Field Filtered 0.45um Filter<br>Filter Lot # R1EB01329 | ■ Ice | | 1 | C |
| Quantitative Algae | ☐ DTY-QN-C / PKD-QN-C | ☐ Ice ☐ Lugols | | | |

| Relinquished By: | Date/Time | Number of Coolers Shipped | Received By: | Date/Time |
|---|---|---|---|---|
| Katherine Halbert | 08/17/2022 16:30 | 2 | IM | 8/18/22 9:12 |

Effective Date: 08/16/2022
Revision Date: 08/15/2022
Revision Author: T Balkcom

AB-FIELD-2.3

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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

| | | | |
|---|---|---|---|
| **RQ -** 2022-08-15-20 | | **Collected By:** | Brian Davis, Katherine Halbert |
| **Customer:** | QWAP | **Field Report Prepared By:** | Katherine Halbert |
| **Project ID:** | BLOOM_RESP | **Sampling Agency:** | NEROC |
| **Location:** Doctor's Lake @ Mill Cove | | **Comments:** | |
| **Field ID:** NEHAB0057 | | **Coordinates:** | 30.12445, -81.72574 |
| **WIN Secondary Resource Type:** Lake | | **Collection Equip:** | WaterBottle |
| **WIN ID:** NEHAB0057 | | **High Tide Time:** | **Low Tide Time:** |
| **Matrix:** Fresh | Grab | **Tide:** ■ Rising ☐ Falling ☐ Slack ☐ N/A | |

**Water Quality**

| Date | Time ■ EST ☐ CEN | D.O. (%) | D.O. (mg/L) | Temp (°C) | pH (SU) | Sample Depth (m) | Total Depth (m) | Secchi Disk (m) | Sp. Cond. (µmho/cm) | Salinity (PPTh) |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/17/2022 | 12:15 | 131.5 | 9.73 | 30.5 | 9.04 | 0.3 | 2.345 | 0.4 | 3606 | 1.88 |
| | 12:17 | 104.6 | 7.9 | 29.7 | 8.9 | 1.05 | | | 3560 | 1.86 |

**Bloom Observations**

**Algal Bloom Observed?** ■ Yes ☐ No

| | | | | |
|---|---|---|---|---|
| **Water Clarity** | ☐ Clear | ■ Slightly Turbid | ☐ Turbid | ☐ Opaque |
| **Bloom Color** | ■ Green | ☐ Red | ☐ Brown | ☐ Other: |
| **Algae Type** | ■ Planktonic | ☐ Filamentous | ☐ Other: | |
| **Algae Accumulation** | ☐ Mat | ■ Specks | ☐ Scum | ☐ Glob |
| **Algae Distribution** | ☐ Surface-Entire | ☐ Surf-Localized | ☐ Surf-Windblown | ■ Suspended ☐ Benthic ☐ Epiphytic |

| Parameter Suite | Parameter Methods | Preservation | pH Check | #Bottles Sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Algal ID (PT-50mL) | ☐ ALGAL-ID | ☐ Ice | | | |
| Bloom ID (PT-50mL) | ■ BLOOM-ID | ■ Ice | | 1 | A |
| Chlorophyll (BP-1L) | ■ CHLSUITE-W | ■ Ice | | 1 | C |
| Toxins (P-125/BG-250) | ■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN | ■ Ice | | 1 | C |
| Preserved Nutrients (500mL HDPE) | ■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>Acid Lot: SA2145160 Exp: 06/02/2023 | ■ Ice ■ H2SO4 | ■ <2 | 1 | C |
| Filtered Nutrients (P125mL) | ■ W-PO4-F | ■ Field Filtered 0.45um Filter<br>Filter Lot # R1EB01329 ■ Ice | | 1 | C |
| Quantitative Algae | ☐ DTY-QN-C / PKD-QN-C | ☐ Ice ☐ Lugols | | | |

| Relinquished By: | Date/Time | Number of Coolers Shipped | Received By: | Date/Time |
|---|---|---|---|---|
| Katherine Halbert | 08/17/2022 16:30 | 2 | | |

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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

| | | | |
|---|---|---|---|
| **RQ -** 2022-08-15-20 | | **Collected By:** | Brian Davis, Katherine Halbert |
| **Customer:** | WQAP | **Field Report Prepared By:** | Katie H |
| **Project ID:** | BLOOM_RESP | **Sampling Agency:** | NEROC |
| **Location:** Swimming Pen Cr @ Whitey's Fish Camp | | **Comments:** 08/17/2022 10:51 ET<br>DISource:NEROC Lab<br>DILocation: NEROC<br>Container ID/Type: Carboy / Carboy | |
| **Field ID:** FB_08172022 | | **Coordinates:** | |
| **WIN Secondary Resource Type:** | | **Collection Equip:** | |
| **WIN ID:** | | **High Tide Time:** | 04:53 **Low Tide Time:** |
| **Matrix:** | Field Blank / Grab | **Tide:** | ☐ Rising ☐ Falling ☐ Slack ☐ N/A |

**Water Quality**

| Date | Time ■ EST ☐ CEN | D.O. (%) | D.O. (mg/L) | Temp (°C) | pH (SU) | Sample Depth (m) | Total Depth (m) | Secchi Disk (m) | Sp. Cond. (µmho/cm) | Salinity (PPTh) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Bloom Observations**

**Algal Bloom Observed?** ☐ Yes ☐ No

| | | | | |
|---|---|---|---|---|
| **Water Clarity** | ☐ Clear | ☐ Slightly Turbid | ☐ Turbid | ☐ Opaque |
| **Bloom Color** | ☐ Green | ☐ Red | ☐ Brown | ☐ Other: _____ |
| **Algae Type** | ☐ Planktonic | ☐ Filamentous | ☐ Other: _____ | |
| **Algae Accumulation** | ☐ Mat | ☐ Specks | ☐ Scum | ☐ Glob |
| **Algae Distribution** | ☐ Surface-Entire | ☐ Surf-Localized | ☐ Surf-Windblown | ☐ Suspended ☐ Benthic ☐ Epiphytic |

| Parameter Suite | Parameter Methods | Preservation | pH Check | #Bottles Sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Algal ID (PT-50mL) | ☐ ALGAL-ID | ☐ Ice | | | |
| Bloom ID (PT-50mL) | ☐ BLOOM-ID | ☐ Ice | | | |
| Chlorophyll (BP-1L) | ☐ CHLSUITE-W | ☐ Ice | | | |
| Toxins (P-125/BG-250) | ■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN | ■ Ice | | 1 | E |
| Preserved Nutrients (500mL HDPE) | ■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP<br>Acid Lot: Exp: | ☐ Ice ☐ H2SO4 | ☐ <2 | | |
| Filtered Nutrients (P125mL) | ■ W-PO4-F ■ Field Filtered 0.45um Filter<br>Filter Lot # R1EB01329 | ■ Ice | | 1 | E |
| Quantitative Algae | ☐ DTY-QN-C / PKD-QN-C | ☐ Ice ☐ Lugols | | | |

| Relinquished By: | Date/Time | Number of Coolers Shipped | Received By: | Date/Time |
|---|---|---|---|---|
| Katie H | 08/17/2022 16:30 | 2 | | |

# RQ-2022-08-15-20



Date of Request: 11-JUL-2022
Created By: DAVIS_B On: 11-JUL-2022
Modified By: AYRES_J On: 16-AUG-2022
Customer: WQAP
Project: BLOOM-RESP
Division: Division of Environmental Assessment and Restoration
District:
Event Description: Algae Bloom Response-as needed

**Send Coolers To:**

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

Priority: 1
Event Status: A
Criminal Investigation: NO
Chemistry Request Reviewed By: AYRES_J On: 16-AUG-2022
Biology Request Reviewed By: AYRES_J On: 16-AUG-2022
Sampling Kit Required: NO Ship on:
Sampling Kit Shipped: YES On: 05-AUG-2022
Sampling Kit Packed By: GIVENS_G
Preservatives Needed: NO
Date to Receive Samples: 15-AUG-2022
Logged In By: SHAIK_A On: 16-AUG-2022

**Send Final Report To:**

8800 Baymeadows Way W
Suite 100
Tallahassee, FL 32399-2400
Attn: Brian G Davis
Report Notification EMail: Brian.g.davis@floridadep.gov

Comments: RQ specifically made for addition of Saxitoxin analysis in the LSJR basin.

Send kits in carboard boxes per Kyle Klug. Will ship back in excess coolers from our office.

Bottle Group A - Priority 1
For algal ID dominant taxon. (12 kits)

Bottle Group B - Priority 1
For toxin testing Nurtients, Chlorophyl, Toxin. (6 kits)

Bottle Group C - Priority 1
For toxin testing Nurtients, Chlorophyl, Toxin w/ SAX.
(6 kits)

Bottle Group D - Priority 1
For algal ID dominant taxon - Biology Blank.
(1 kits)

Bottle Group E - Priority 1
For toxin testing Nurtients, Toxin w/ SAX - Chemistry Blank (1 kits)

## Bottle Group A (Biological) With 12 Samples:

Bottle Type: PT-50ML Number of Bottles: 12 Preserved With: ICE

| | | | |
|---|---|---|---|
| BLOOM-ID | Template: DEFAULT | (SOP-AB05) | Assessment of dominant algal taxa in bloom or mat sample |

## Bottle Group B (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE

| | | | |
|---|---|---|---|
| CHLSUITE-W | Template: DEFAULT | (SM 10200 H (mod.)) | Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

Bottle Type: P-125ML Number of Bottles: 6 Preserved With: ICE

| | | | |
|---|---|---|---|
| W-MCYST-AA | Template: DEFAULT | (EPA 8321B) | Microcystins in water matrices by HPLC/MS/MS |
| W-SAXTN-MS | Template: DEFAULT | (EPA 8321B) | Saxitoxin in water matrices by HPLC/MS/MS |

Bottle Type: P-500ML Number of Bottles: 6 Preserved With: ICE And H2SO4

| | | | |
|---|---|---|---|
| W-NH3 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) | Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Template: DEFAULT | (EPA 353.2 Rev. 2.0) | Nitrite/Nitrate in aqueous matrices as mg N/L |

## Bottle Group B (Water) With 6 Samples:

Bottle Type: P-500ML Number of Bottles: 6 Preserved With: ICE And H2SO4

| | | |
|---|---|---|
| W-S-A-TP | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices |

Bottle Type: P-125ML Number of Bottles: 6 Preserved With: FILTER-ICE

| | | |
|---|---|---|
| W-PO4-F | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

## Bottle Group C (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE

| | | |
|---|---|---|
| CHLSUITE-W | Template: DEFAULT | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

Bottle Type: P-125ML Number of Bottles: 6 Preserved With: ICE

| | | |
|---|---|---|
| W-MCYST-AA | Template: DEFAULT | (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS |
| W-SAXTN-MS | Template: DEFAULT | (EPA 8321B) Saxitoxin in water matrices by HPLC/MS/MS |

Bottle Type: P-500ML Number of Bottles: 6 Preserved With: ICE And H2SO4

| | | |
|---|---|---|
| W-NH3 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices |

Bottle Type: P-125ML Number of Bottles: 6 Preserved With: FILTER-ICE

| | | |
|---|---|---|
| W-PO4-F | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

## Bottle Group D (Biological) With 1 Samples:

Bottle Type: PT-50ML Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| BLOOM-ID | Template: DEFAULT | (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample |

## Bottle Group E (Water) With 1 Samples:

Bottle Type: P-125ML Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| W-MCYST-AA | Template: DEFAULT | (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS |
| W-SAXTN-MS | Template: DEFAULT | (EPA 8321B) Saxitoxin in water matrices by HPLC/MS/MS |

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4

| | | |
|---|---|---|
| W-NH3 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices |

Bottle Type: P-125ML Number of Bottles: 1 Preserved With: FILTER-ICE

| | | |
|---|---|---|
| W-PO4-F | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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