

From: [Rankin, Amelia](#)
To: [Reaves, Shawn D](#)
Cc: [Watts, John](#); [Ayres, Joshua](#)
Subject: FW: 3/4/21 Lake Weir BLOOM-RESP Sample
Date: Monday, March 8, 2021 3:53:24 PM
Attachments: [WOAP-2021-03-05-03.pdf](#)

Hi Shawn,

Would you please edit the Site Location of the Lake Weir BLOOM-RESP sample received 3/5/21? See highlighted, below. Event WOAP-2021-03-05-03 (attached).

Thank you!
Amelia

From: Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>
Sent: Monday, March 8, 2021 3:47 PM
To: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Subject: RE: 3/4/21 Lake Weir BLOOM-RESP Sample

If it's not too much trouble can it please be changed to N Shore (Full Name: **Lake Weir @ N Shore**).
Thank you for your help!

From: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Sent: Monday, March 8, 2021 2:24 PM
To: Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>
Subject: RE: 3/4/21 Lake Weir BLOOM-RESP Sample

Would you like me to edit the name to NE, or do you think it's okay? It's right on the edge.

Amelia

From: Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>
Sent: Monday, March 8, 2021 2:16 PM
To: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Cc: March, Kathryn W <Kathryn.W.March@FloridaDEP.gov>; Riordan, Terry <Terry.Riordan@FloridaDEP.gov>; Bates, Elizabeth <Elizabeth.Bates@FloridaDEP.gov>
Subject: RE: 3/4/21 Lake Weir BLOOM-RESP Sample

Hi Amelia!

That location is correct. Thank you for checking, I hadn't realized how far east we had ended up for sampling – sorry for the deceiving name!

Best, Victoria

From: March, Kathryn W <Kathryn.W.March@FloridaDEP.gov>
Sent: Monday, March 8, 2021 2:09 PM
To: Riordan, Terry <Terry.Riordan@FloridaDEP.gov>; Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>
Subject: Fwd: 3/4/21 Lake Weir BLOOM-RESP Sample

Begin forwarded message:

From: "Rankin, Amelia" <Amelia.Rankin@floridadep.gov>
Date: March 8, 2021 at 1:56:24 PM EST
To: "March, Kathryn W" <Kathryn.W.March@floridadep.gov>, "Bates, Elizabeth" <Elizabeth.Bates@floridadep.gov>
Subject: 3/4/21 Lake Weir BLOOM-RESP Sample

Hi!

I was wondering about the name/location of the Lake Weir BLOOM-RESP sample collected on 3/4/21. On the Bloom Map and the submittal sheet, it says "NW Shore." The blue dot on the map shows the visit a little more to the NE. Does this look correct to you?

Thanks!

Amelia Rankin
Taxonomy Manager
FDLP Laboratory--Biology Program
2600 Blair Stone Rd.
MS 6515
Tallahassee, FL 32399-2400
Phone: (850) 245-8182

Login Checklist

RQ- **2021 - 02-08-17**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **03-05-2021 / 09:40**

*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	
3.1C				12		x			9293 8010 8047

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 **x** No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes _____ No **x**

CONTAINER CHECK

Evidence Tape on Bottles? Yes _____ No _____ NA **x** Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken? Yes _____ No _____ Containers intact? Yes **x** No _____

Caps on tight? Yes **x** No _____

Sufficient Sample Volume: Yes **x** 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 **x** Init: **ABS/**

Chlorine detected? (One container checked per Field ID) Yes _____ No _____ Init: **ABS/**

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 **x** No _____ NA _____ Init: **ABS/**

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

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

Coolers Unpacked/Checked by: **ABS/** Date: **03-05-2021** Event contains NCRs (Y/N)? **N**

Event ID: **WQAP - 2021 - 03 - 05 - 0 3**

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/28/2021
pH Test Strips 0 – 6	213316 BV EXP:05/15/21
pH Paper 0 – 3	N/A
pH Paper 0 – 13	231019 EXP:11/01/2021
Chlorine Test Strips	0261 2023 / 05

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ Init: ABS

Date and time placed in freezer _____

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

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

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

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

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____



Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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

RQ - 2021-02-08-17		Collected By:	Katie March, Elizabeth Bates
Customer:	WQAP	Field Report Prepared By:	Elizabeth Bates
Project ID:	BLOOM-RESP	Sampling Agency:	21FLCEN - CEROC

Location: **Field ID: HABCE0075_LakeEustis**
Win ID: HABCE0075
Lake Eustis @ NW Corner

Comments: green color lake lots of floating salvinia, azolla, + lemnd especially in canal.

Coordinates: 28.866130, -81.744221

Collection Equip: sample container, syringe

WIN ID: HABCE0075	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)
3/4/21	11:10	97.5	8.48	22.2	8.09	0.311	1.9	0.8	307.5	0.15
	11:18	88.4	7.77	21.6	7.90	1.434	/	/	307.8	0.15

Bloom Observations					
Algal Bloom Observed?	☒ Yes	☐ No			
Water Surface	☒ Clear	☐ Scum	☐ Globs	☐ Slick	
Water Clarity	☐ Clear	☐ Slightly Turbid	☒ Turbid	☐ Opaque	
Bloom Color	☒ Green	☐ Red	☐ Brown	☐ Other:	☐ N/A
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other:	☐ N/A	
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	☐ Other:

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice			A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice			B
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice			B
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice	☒ H2SO4	☒ <2	B
Preserved Nutrients (500mL HDPE)	Acid Lo H2SO4 LOT# SA8293048 EXP: 10/19/2021	Exp:			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter Filter Lot # 9149785-1713556	☒ Ice		B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice	Lugols? Y/N		B
Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time	
E. Bates	03/04/21 16:00	1			

LIMS EVENT ID: WQAP-2021-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

03-05-21
09:40



Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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

RQ - 2021 - 02-08-17	Collected By: Terry Riordan / Victoria Schwartz
Customer: WQAP	Field Report Prepared By: V. Schwartz
Project ID: BLOOM-RESP	Sampling Agency: 21FLCEN - CEROC
Location:	Comments:

Field ID: HABCE0076_LakeWeir3
Win ID: HABCE0076
Lake Weir @ NW Shore

Coordinates: 29.0395464, -81.9282229

Collection Equip: Sample bottles, syringe

WIN ID:

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 (PPT)	
3/4/21	12:27	108.0	9.49	21.6	7.51	0.3	1.9	1.7	230.4	0.11	
↓	12:30	109.0	9.67	21.2	7.27	1.4	—	—	229.8	0.11	

Bloom Observations

Algal Bloom Observed?	☒ Yes	☐ No
Water Surface	☒ Clear	☐ Scum
Water Clarity	☒ Clear	☐ Slightly Turbid
Bloom Color	☒ Green	☐ Red
Algae Distribution	☒ Suspended in water column	☐ On surface
Water Odors	☒ Normal	☐ Sewage
	☐ Globs	☐ Slick
	☐ Turbid	☐ Opaque
	☐ Brown	☐ Other: _____
	☐ On surface	☐ Other: _____
	☐ Petroleum	☐ Chemical
	☐ Other: _____	☐ N/A

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	B
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice	☒ H2SO4	☒ <2	B
Preserved Nutrients (500mL HDPE)	Acid Lot H2SO4 LOT# SA0293040 EXP: 10/19/2021	Exp:			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter			B
	Filter Lot # 9149785	☒ Ice			B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice	Lugols? Y (N)		
Relinquished By: V. Schwartz	Date/Time: 3/4/21 16:00	Number of Coolers Shipped: 1	Received By:	Date/Time:	

LIMS EVENT ID: WQAP-2021-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

APB 02-05-21 09:40

Date of Request: 11-JAN-2021
 Created By: BOMAN_L On: 11-JAN-2021
 Modified By: JASROTIA_P On: 15-JAN-2021
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: Central
 Event Description: Algal Bloom Response - CEROC

Send Coolers To:

Phone: 407-897-4178
 3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Natalie Ayala
 Cooler Ship EMail: natalie.ayala@FloridaDep.gov

Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 14-JAN-2021
 Biology Request Reviewed By: JASROTIA_P On: 15-JAN-2021
 Sampling Kit Required: YES Ship on: 29-JAN-2021
 Sampling Kit Shipped: YES On: 25-JAN-2021
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 08-FEB-2021
 Logged In By: SHAIK_A On: 05-MAR-2021

Send Final Report To:

3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Natalie Ayala
 Report Notification EMail: Natalie.Ayala@FloridaDEP.gov

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

Bottle Group A - Priority 1
 For algal dominant taxon.

Bottle Group B - Priority 1
 For toxin testing, nutrients, chlorophyll, algal full ID

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

Please print two copies of algal job labels at login

Bottle Group A (Biological) With 4 Samples:

Bottle Type: PT-50ML Number of Bottles: 4 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 4 Samples:

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: Lugols
 DTY-QN-C Template: DEFAULT (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.
 PKD-QN-C Template: DEFAULT (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.

Bottle Type: BG-250ML-WDMTH Number of Bottles: 4 Preserved With: ICE
 W-MCYST-AA Template: (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Type: P-500ML Number of Bottles: 4 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: 4 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.