

Reaves, Shawn D

From: Rankin, Amelia
Sent: Thursday, September 15, 2022 1:53 PM
To: Reaves, Shawn D
Cc: Wright, Colin; Ayres, Joshua; Klug, Kyle
Subject: FW: 9/12/22 Lake Marian BLOOM-RESP Sample
Attachments: WQAP-2022-09-13-01.pdf

Hi Shawn,

Would you please edit the Site Location for the Lake Marian sample in WQAP-2022-09-13-01? It should be as Lake Marian – Pavilion.

Thanks,
Amelia

From: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>
Sent: Thursday, September 15, 2022 1:49 PM
To: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Fischer, Sabrina <Sabrina.Fischer@FloridaDEP.gov>
Cc: Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>
Subject: Re: 9/12/22 Lake Marian BLOOM-RESP Sample

Hey Amelia,

Yes, it should be "Pavilion." I apologize for the error.

Thank you,

Andrew Luering

From: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Sent: Thursday, September 15, 2022 1:37 PM
To: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>; Fischer, Sabrina <Sabrina.Fischer@FloridaDEP.gov>
Cc: Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>
Subject: 9/12/22 Lake Marian BLOOM-RESP Sample

Hi Andrew and Sabrina,

The 9/12/22 Lake Marian (Osceola County) BLOOM-RESP sample was posted to the map and submitted to the lab as Lake Marian – Pavillon. (Submittal sheets attached.) Should that be Pavilion? If so, I will make the correction on the Bloom Map and will request that Receiving edit the LIMS Location.

Thanks!

Amelia Rankin

*Taxonomy Manager
FDEP Laboratory-Biology Program*

RQ- 2022-08-08-66

Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 09/13/2022 10:00

*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				5		λ			5225 5540 9235

COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

Yes ✓ No _____

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

Yes _____ No ✓

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA ✓ Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken?

Yes _____ No _____

Containers intact? Yes ✓ No _____

Caps on tight?

Yes ✓ No _____

Sufficient Sample Volume:

Yes ✓ No _____If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes _____ No ✓ Init: ✓

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: ✓

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes _____ No _____ NA ✓ Init: ✓

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

Coolers Unpacked/Checked by: ✓

Date: 09/13/2022

Event contains NCRs (Y/N)? N

Algal Bloom Response - SE ROC

EventID: WQAP-2022-09-13-01 (BLOOM-RESP)

—Date Received: 13-SEP-2022 10:00

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #4 Exp:10/19/2022
pH Test Strips 0 – 6	LOT# 223819AV Exp: AUG 30, 2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT# 207621 Exp: March 15, 2024
Chlorine Test Strips	LOT# 0070 Exp: Feb. 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# _____



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

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

RQ - 2022-08-08-66		Collected By:		Andrew Luering, Sabrina Fischer						
Customer:	WQAP	Field Report Prepared By:		Andrew Luering						
Project ID:	BLOOM_RESP	Sampling Agency:		SEROCC						
Location: Lake Marian Pavilion			Comments:							
Field ID: SEHAB0083			Coordinates: 27.87181, -81.05185							
WIN Secondary Resource Type: Lake			Collection Equip: WaterBottle							
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 (PPTH)
09/12/2022	09:45	92.9	7.15	29.2	7.8	0.3	0.9	0.2	157	0.07
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	B	
Toxins (P-125/BG-250)	☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	B	
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1	B	
	Acid Lot: 132121		Exp:		12/03/2022					
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45um Filter			☒ Ice		1	B	
			Filter Lot # 17441866							
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols					
Relinquished By:	Date/Time		Number of Coolers Shipped			Received By:		Date/Time		
Andrew Luering	09/12/2022 15:00		1			✗		9-13-2022 10:00		

Date of Request: 25-JUL-2022
 Created By: SKAGGS_J On: 25-JUL-2022
 Modified By: JASROTIA_P On: 26-JUL-2022
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: SE ROC
 Event Description: Algal Bloom Response - SE ROC

Send Coolers To:

Phone: 772-448-5884
 2199 South Rock Road

 Fort Pierce, FL 34945
 Attn: Jordan Skaggs
 Cooler Ship EMail: jordan.skaggs@floridadep.gov

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 26-JUL-2022
 Biology Request Reviewed By: JASROTIA_P On: 26-JUL-2022
 Sampling Kit Required: YES Ship on: 29-JUL-2022
 Sampling Kit Shipped: YES On: 28-JUL-2022
 Sampling Kit Packed By: GIVENS_G
 Preservatives Needed: YES
 Date to Receive Samples: 09-AUG-2022
 Logged In By: ROBERTS_Z On: 17-AUG-2022

Send Final Report To:

2199 South Rock Road

 Fort Pierce, FL 34945
 Attn: Jordan Skaggs
 Report Notification EMail:
 jordan.skaggs@floridadep.gov;drew.liddick@floridadep.gov;andrew.luering@floridadep.gov

Comments: **Please send:
 -4 full-size coolers
 -4 extra Fedex labels

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, and chlorophyll

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 8 Samples:

Bottle Type: PT-50ML	Number of Bottles: 8	Preserved With: ICE
BLOOM-ID	Template: DEFAULT	(SOP-AB18) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 8 Samples:

Bottle Type: BP-1L	Number of Bottles: 8	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: BG-250ML-WDMTH	Number of Bottles: 8	Preserved With: ICE
W-MCYST-AA	Template: DEFAULT	(EPA 8321B) Microcystins in water matrices by HPLC/MS/MS
W-SAXTN-MS	Template:	(EPA 8321B) Saxitoxin in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 8	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 Group B (Water) With 8 Samples:

Bottle Type: P-125ML

Number of Bottles: 8

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.