

Reaves, Shawn D

From: Rankin, Amelia
Sent: Friday, December 22, 2023 10:15 AM
To: Klug, Kyle
Cc: Ayres, Joshua; Reaves, Shawn D; Wright, Colin
Subject: FW: UPDATED RQ-2023-08-07-37 (HAB)
Attachments: 2023-08-07-37_HABCE0221_12182023_UPDATED LOCATION.pdf

Hi,

CE ROC sent a corrected/updated submittal sheet (attached) for a BLOOM-RESP sample we received on 12/19/23. Would you please correct the Location in LIMS?

Thank you!
Amelia

From: Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>
Sent: Tuesday, December 19, 2023 12:13 PM
To: Riordan, Terry <Terry.Riordan@FloridaDEP.gov>; Lab.Receiving <Lab.Receiving@floridadep.gov>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>; Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Cc: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Boman, Leif <Leif.Boman@FloridaDEP.gov>; Bourassa, Denver <Denver.Bourassa@FloridaDEP.gov>
Subject: UPDATED RQ-2023-08-07-37 (HAB)

Hello all,

Please see updated COC attached. Location name has been updated to match sampling point location –

Lab: Please update the location name to “Lake Weir – W of Center”

Amelia: Please update the algal bloom dashboard to “Lake Weir – W of Center”

Thanks all! 😊

From: Riordan, Terry <Terry.Riordan@FloridaDEP.gov>
Sent: Monday, December 18, 2023 4:32 PM
To: Lab.Receiving <Lab.Receiving@floridadep.gov>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>; Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Cc: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Boman, Leif <Leif.Boman@FloridaDEP.gov>; Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>; Bourassa, Denver <Denver.Bourassa@FloridaDEP.gov>
Subject: RE: RQ-2023-08-07-37(HAB)

RQ's Shipped today from CEROC via FedEx

RQ-2023-08-07-37

Coolers: 1

Samplers: Terry Riordan and Denver Bourassa

Attachments

- HAB Field Sheet

HABs collected

Location	HABCEXXX
Lake Weir – NE of Center	HABCE0221

Please contact Matt Bearden or Samplers if you have any questions.

Thanks,



Terry Riordan
Florida Department of Environmental Protection
Division of Environmental Assessment and Restoration
Water Quality and Assessment Program
Central Regional Operation Center
Environmental Consultant
Email: Terry.Riordan@FloridaDEP.gov
Office: 407-897-2959



Cyanobacteria Bloom Response Field Data Sheet (2023-06-12 v1)

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

RQ - 2023-08-07-37		Collected By:		Terry Riordan, Denver Bourassa						
Customer:	CEN-DIST	Field Report Prepared By:		Terry Riordan						
Project ID:	BLOOM_RESP	Sampling Agency:		CEROC						
Location: Lake Weir - NE of Center VS 12/19/23		Comments: 60s windy clear								
Lake Weir - W of Center										
Field ID: HABCE0221		Coordinates:		29.01839, -81.95084						
WIN Secondary Resource Type: Lake		Collection Equip:		WaterBottle						
WIN ID: HABCE0221		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)
12/18/2023	12:47	112.7	10.72	17.8	6.84	0.3	6.6	1.3	222.4	0.11
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		
Algae (PT-50mL)	☐ ALGAL-ID ☒ 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		
Physical/Aggregate	☒ W-COLOR			☒ Ice			1	B		
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP			☒ Ice ☒ H2SO4		☒ <2	1	B		
	SA3193140			07/31/2024						
	Acid Lot:			Exp:						
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45µm Filter			☒ Ice			1	B		
	Filter Lot # 17769663									
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C			☐ Ice ☐ Lugols						
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time				
Terry Riordan	12/18/2023 16:00	1								

Login Checklist

RQ-2023 - 08 - 07 - 37

Login Station ID: # 2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12/19/2023 / 09:08

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
1.1C				6		X			6484 8460 2254

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/ FieldSheet(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 X 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: 12/19/2023

Event contains NCRs (Y/N)? N

Event ID: CEN - DIST - 2023 - 12 - 19 - 0

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG#2 EXP:10/16/24
pH Test Strips 0 – 6	LOT#223819BVEXP8/15/24
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT207621EXP:3/15/24
Chlorine Test Strips	2313 2025/07

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# _____



Cyanobacteria Bloom Response Field Data Sheet (2023-06-12 v1)

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

RQ - 2023-08-07-37		Collected By:		Terry Riordan, Denver Bourassa						
Customer:	CEN-DIST	Field Report Prepared By:		Terry Riordan						
Project ID:	BLOOM_RESP	Sampling Agency:		CEROC						
Location: Lake Weir - NE of Center			Comments: 60s windy clear							
Field ID: HABCE0221			Coordinates: 29.01839, -81.95084							
WIN Secondary Resource Type: Lake			Collection Equip: WaterBottle							
WIN ID: HABCE0221			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)
12/18/2023	12:47	112.7	10.72	17.8	6.84	0.3	6.6	1.3	222.4	0.11
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		
Algae (PT-50mL)		☐ ALGAL-ID ☒ 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		
Physical/Aggregate		☒ W-COLOR		☒ Ice			1	B		
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-S-A-TP		☒ Ice ☒ H2SO4		☒ <2	1	B		
		SA3193140		07/31/2024						
		Acid Lot:		Exp:						
Filtered Nutrients (P125mL)		☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ Ice	1	B		
		Filter Lot # 17769663								
Quantitative Algae		☐ DTY-QN-C / ☐ PKD-QN-C		☐ Ice ☐ Lugols						
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Terry Riordan		12/18/2023 16:00		1		A.SHAIK		12/19/2023 / 09:08		

Date of Request: 14-JUN-2023
 Created By: BOMAN_L On: 14-JUN-2023
 Modified By: AYRES_J On: 18-JUL-2023
 Customer: CEN-DIST
 Project: BLOOM-RESP
 Division:
 District: Central District
 Event Description: Algal Bloom Response - CEROC

Send Coolers To:

Phone: 407-894-7555 SC 325-1011
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Leif Boman
 Cooler Ship EMail: Leif.Boman@FloridaDep.gov

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 18-JUL-2023
 Biology Request Reviewed By: SWANSON_C On: 13-JUL-2023
 Sampling Kit Required: YES Ship on: 28-JUL-2023
 Sampling Kit Shipped: YES On: 27-JUL-2023
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 07-AUG-2023
 Logged In By: SHAIK_A On: 19-DEC-2023

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Jessie Atchison
 Report Notification EMail: Jessie.Atchison@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 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 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: P-250ML Number of Bottles: 8 Preserved With: ICE
 W-COLOR Template: DEFAULT (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)
 Color (true)

Bottle Type: P-125ML 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: DEFAULT (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 Type: P-125ML Number of Bottles: 8 Preserved With: FILTER-ICE

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.