

From: [Rankin, Amelia](#)
To: [Reynolds, Tyler](#)
Cc: [Ayres, Joshua](#); [Reaves, Shawn D](#)
Subject: RE: 8/2/21 Bloom Resp Samples
Date: Friday, August 6, 2021 2:30:21 PM
Attachments: [image002.png](#)

Hi Tyler,

Would you please add the new submittal sheet and the email chain to the event file?

Thanks,
Amelia

From: Reynolds, Tyler <Tyler.Reynolds@dep.state.fl.us>
Sent: Wednesday, August 4, 2021 3:35 PM
To: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: RE: 8/2/21 Bloom Resp Samples

I updated it in LIMs. Any questions let me know.

From: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Sent: Wednesday, August 4, 2021 2:41 PM
To: Reynolds, Tyler <Tyler.Reynolds@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: FW: 8/2/21 Bloom Resp Samples

Hi Tyler,

Based on the emails below and the submittal sheet attached, would you please edit the Site Locations and Field IDs for WQAP-2021-08-04-01?

Let me know if you need anything else.

Thank you!
Amelia

From: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>
Sent: Wednesday, August 4, 2021 2:36 PM
To: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>; Hoey, Charlie <Charlie.Hoey@FloridaDEP.gov>
Subject: Re: 8/2/21 Bloom Resp Samples

Hi Amelia,

I typed up a new COC for you. Let me know if you need anything else.

Thank you,

Andrew Luering

From: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Sent: Wednesday, August 4, 2021 2:08 PM
To: Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>; Luering, Andrew <Andrew.Luering@FloridaDEP.gov>; Hoey, Charlie <Charlie.Hoey@FloridaDEP.gov>
Subject: RE: 8/2/21 Bloom Resp Samples

Hi Jordan!

I think there is enough documentation in this email chain for Receiving to make the edits we would like, but I think it would be easier if you fill out and email us an updated submittal form—just in case.

Site Location **Lake Okeechobee - S308C (lakeside)**, Field ID **SEHAB0062**
Site Location **C44 canal - S308C (canal side)**, Field ID **SEHAB0063**

Thanks,
Amelia

From: Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>
Sent: Wednesday, August 4, 2021 2:02 PM
To: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Hoey, Charlie <Charlie.Hoey@FloridaDEP.gov>
Subject: RE: 8/2/21 Bloom Resp Samples

Hi Amelia,

These are the correct site locations.

Ideally we would like to change the Field ID from SEHAB0065 to SEHAB0062 and SEHAB0066 to SEHAB0063. Is that possible at this point?

I was out of office this day. We keep using new Field ID's to represent the same locations that we visit on a biweekly basis. When we create the WIN stations for this, it creates a large cluster of stations in the same location.

Thanks,



Jordan Skaggs
Environmental Specialist III – Team Lead
Southeast Regional Operation Center
Florida Department of Environmental Protection
Department of Environmental Assessment and Restoration
2199 South Rock Road
Fort Pierce, FL 34945
Jordan.Skaggs@floridadep.gov
Office: 772.448.5884

From: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>
Sent: Wednesday, August 4, 2021 1:57 PM
To: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Hoey, Charlie <Charlie.Hoey@FloridaDEP.gov>
Cc: Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>
Subject: Re: 8/2/21 Bloom Resp Samples

Hi Amelia,

That is correct. S308C (lakeside) is SEHAB0065 and S308C (canal side) is SEHAB0066.

I would defer to Jordan on editing the site locations, but I would assume that is okay.

Let me know if you need anything else.

Thank you,

Andrew Luering

From: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Sent: Wednesday, August 4, 2021 1:51 PM
To: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>; Hoey, Charlie <Charlie.Hoey@FloridaDEP.gov>
Cc: Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>
Subject: 8/2/21 Bloom Resp Samples

Hi,

Which Site Location goes with which 8/2/21 Bloom Map visit? Can we edit the Site Locations so they better match what's on the Bloom Map?

Is **SEHAB0065** Lake Okeechobee – S308C (lakeside) and **SEHAB0066** C44 canal – S308C (canal side)?

I don't have access to the submittal sheets, yet, so I'm basing this on the collection times that were logged in and the collection times posted on the Bloom Map.

s	Date Sampled	Date Completed	Date Authorized	Priority	Lab Location	Lab Comment	Field Comment	Site Location
	02-AUG-2021 09:45			1	BIOLOGY			SEHAB0065
	02-AUG-2021 10:00			1	BIOLOGY			SEHAB0066

Thanks!

Amelia Rankin

Taxonomy Manager

FDEP Laboratory--Biology Program

2600 Blair Stone Rd.

MS 6515

Tallahassee, FL 32399-2400

Phone: (850) 245-8182

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Algal Bloom Response - SE ROC

last revised Jan 25, 2018

Customer: WQAP

Requester: Jordan Skaggs

Field Report Prepared By: Charlie Hoey

Project ID: BLOOM-RESP

Collected By: Andrew Luering

Sampling Agency: SEROC

Location Lake Okeechobee - S308C (lakeside)		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 08/02/2021 Time 0945		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) (See pg 2) A, B
Field ID SEHAB0062		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 4.48	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 31.4	pH 7.71	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 657		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.32		Comments				
Location C44 canal - S308C (canal side)		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 08/02/2021 Time 1000		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) A, B
Field ID SEHAB0063		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.14	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 31.7	pH 7.72	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 694		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.33		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				

Relinquished By: Charlie Hoey	Date/Time 08/02/2021 1700	Shipping Method Fedex	Number of Coolers Shipped: 1	Received By:	Date/Time
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Group: A	Bottle Type:	PT-50ML	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	BLOOM-ID						
Group: B	Bottle Type:	BP-1L	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-MCYST-AA						
Group: B	Bottle Type:	P-500ML	# of Bottles: 10	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
Group: B	Bottle Type:	P-125ML	# of Bottles: 10	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						

RQ-2021-07-19-34

Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 08/04/21 @ 9:45

*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	
2.2°C				10		X			9293 8018 8213

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# 8968

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: TJH

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: TJH

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

Yes _____ No _____ NA ☒ Init: TJH

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

Coolers Unpacked/Checked by: TJHDate: 08/04/21Event contains NCRs (Y/N)? YES

Event ID:

Algal Bloom Response - SE ROC
WQAP-2021-08-04-01 (BLOOM-RESP)

Date Received: 04-AUG-2021 09:45

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Infrared Thermometer ID:	#4 Temp Gun EXP:10/28/2021
pH Test Strips 0 – 6	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	210620 EXP:04/15/2023
Chlorine Test Strips	0261 EXP:05/2023

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: _____

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Requester: Jordan Skaggs

Field Report Prepared By: Charlie Hoey

Project ID: BLOOM-RESP

Collected By: Andrew Luerling

Sampling Agency: DEP - SE ROC

Location SE HAB0065^{AL}		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/2/21 Time 9:45		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) A, B
Field ID SE HAB0065		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 4.48	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 31.4	pH 7.71	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 657		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.32		Comments				
Location SE HAB0066^N		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/2/2021 Time 10:00		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) A, B
Field ID SE HAB0066		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 5.14	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 31.7	pH 7.72	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 694		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.33		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				

Relinquished By: Charlie Hoey	Date/Time 8/2/2021 1700	Shipping Method Fedex	Number of Coolers Shipped: 1	Received By: Tyler R	Date/Time 08/04/21 @ 9:45
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Group: A	Bottle Type:	PT-50ML	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	BLOOM-ID						
Group: B	Bottle Type:	BP-1L	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	CHLSUITE-W						
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-MCYST-AA						
Group: B	Bottle Type:	P-500ML	# of Bottles: 10	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
Group: B	Bottle Type:	P-125ML	# of Bottles: 10	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-PO4-F						

Date of Request: 24-JUN-2021
 Created By: SKAGGS_J On: 24-JUN-2021
 Modified By: WATTS_J On: 30-JUN-2021
 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: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 30-JUN-2021
 Biology Request Reviewed By: SWANSON_C On: 25-JUN-2021
 Sampling Kit Required: YES Ship on: 09-JUL-2021
 Sampling Kit Shipped: YES On: 06-JUL-2021
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 20-JUL-2021
 Logged In By: REYNOLDS_T On: 04-AUG-2021

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

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 10 Samples:

Bottle Type: PT-50ML	Number of Bottles: 10	Preserved With: ICE
BLOOM-ID	Template: DEFAULT	(SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 10 Samples:

Bottle Type: BP-1L	Number of Bottles: 10	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: 10	Preserved With: ICE
W-MCYST-AA	Template: DEFAULT	(EPA 8321B) Microcystins in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 10	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: 10	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.

