

From: [Rankin, Amelia](#)
To: [Reaves, Shawn D](#)
Cc: [Ayres, Joshua](#); [Wright, Colin](#); [Swanson, Cheryl](#)
Subject: WQAP-2022-03-30-01 Location Correction
Date: Friday, April 1, 2022 9:46:28 AM
Attachments: [image002.png](#)
[image003.png](#)
[WQAP-2022-03-30-01.pdf](#)

Hi Shawn,

Based on the customer email, would you please edit the Site Location for the sample collected on 3/29/22 at 1155, Field ID SEHAB0075? Submittal sheets are attached. Please include this email with the event.

Site Location should be **L-10 Canal - S352 (canal side)**.

Thank you!

Amelia

From: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>
Sent: Tuesday, March 29, 2022 2:59 PM
To: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Cc: Hoey, Charlie <Charlie.Hoey@FloridaDEP.gov>
Subject: Re: algal site visit question

Hi Cheryl,

L-10 Canal - S352 (canal side) is fine. It makes sense to make it consistent with S308C. I'll change the datasheet and COC with the appropriate information. I apologize for the confusion.

Thank you,

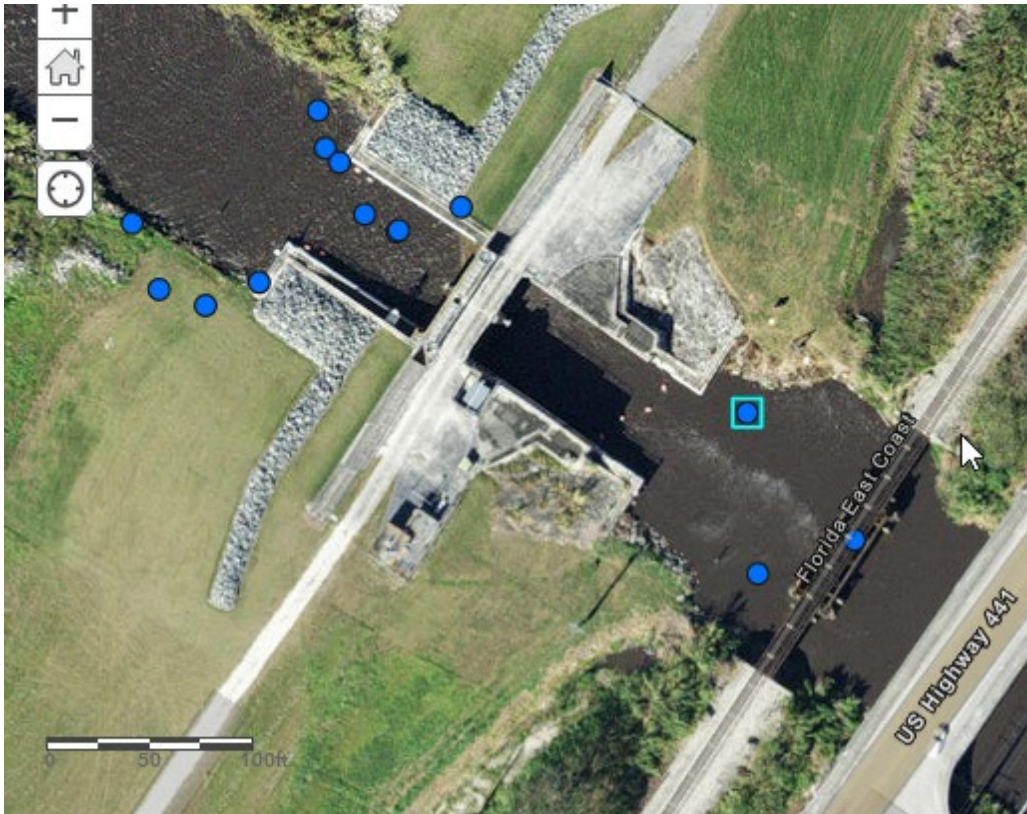
Andrew Luering

From: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>
Sent: Tuesday, March 29, 2022 2:40 PM
To: Skaggs, Jordan <Jordan.Skaggs@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Cc: Luering, Andrew <Andrew.Luering@FloridaDEP.gov>; Hoey, Charlie <Charlie.Hoey@FloridaDEP.gov>
Subject: algal site visit question

Jordan and team,

SE team collected samples today at Canal Point, one at boat ramp off Lake O and another in the canal on the canal side of the structure. I started to change the name for the canal sample from listing Canal Point first but then I was confused what the waterbody should be called. The waterbody is the canal (L-10? West Palm Beach Canal? See SFWMD document excerpt below). Then, use Canal Point and the structure name with relationship to the structure = L-10 canal - Canal Point S352 (canal side)? OR leave off Canal Point = L-10 canal – S352 (canal side) like we do for C44 canal – S308C (canal side)?

Cheryl



FL Algal Bloom Site Visits (Features: 3356, Selected: 1)

Site Visit Date And Time	Sample Location	County	Site Visited By
3/29/2022, 11:05 AM	Lake Glenada - dock	Highlands	DEP-S ROC
3/29/2022, 11:30 AM	Lake Okeechobee - Canal Point Boat Ramp	Palm Beach	DEP-SE ROC
3/29/2022, 11:55 AM	C352 canal - Canal Point S352 (canal side)	Palm Beach	DEP-SE ROC

West Palm Beach Canal (L-10/L-12 borrow canal)

The L-10/L-12 borrow canal connects Lake Okeechobee to WCA-1 and is the principal canal in the S-5A basin. The S-5A drainage basin (**Figure C-4**) is 194.3 square miles. The connection of the borrow canal to Lake Okeechobee is by way of S-352. The connection of the canal to WCA-1 is by way of S-5A and S-5AS. The borrow canal is also connected to C-51 and the L-8 borrow canal at its southern end. The various structures at the S-5A complex (S-5A, S-5AE, S-5AS, and S-5AW) are operated in conjunction with one another to control flood runoff from the S-5A, L-8, and western C-51 basins, to implement numerous water supply operations, and to route regulatory releases from Lake Okeechobee to WCA-1 or to tide.

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/19/2022
pH Test Strips 0 – 6	LOT#223819AV EXP:8/30/2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT 207621 EXP:3/15/2024
Chlorine Test Strips	0064 / 2023 / 05 abs 0070 / 2023 / 02

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: _____

Algal Bloom Response - SE ROC

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Requester: Jordan Skaggs

Field Report Prepared By: Charlie Hoey

Project ID: BLOOM-RESP

Collected By: Andrew Luening

Sampling Agency: FDEP

Location Canal Point - Boat Ramp - Lake Okeechobee		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 03/29/2022 Time 1130		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) (See pg 2) A, B
Field ID SEHAB0074		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 23.0	pH 7.95	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 422		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.2	Comments Bloom appeared streaky			
Location Canal Point - C352 - Canal side		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 03/29/2022 Time 1155		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) A, B
Field ID SEHAB0075		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.32	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 22.8	pH 7.98	Sample Depth 0.3	☐ ft ☐ m	Sp. Conductance (umho/cm) 422.2		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.20	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 03/29/2022	Shipping Method FedEx	Number of Coolers Shipped: 1	Received By: A.SHAIK	Date/Time 03/30/2022 / 09:40
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110:00

Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	+ 2
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	+ 2
Group: B	Bottle Type: W-MCYST-AA	BG-250ML-WDMT H	# of Bottles: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	+ 2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 8	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	+ 2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 8	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	+ 2

Date of Request: 20-JAN-2022
 Created By: SKAGGS_J On: 20-JAN-2022
 Modified By: JASROTIA_P On: 20-JAN-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: 20-JAN-2022
 Biology Request Reviewed By: JASROTIA_P On: 20-JAN-2022
 Sampling Kit Required: YES Ship on: 24-JAN-2022
 Sampling Kit Shipped: YES On: 24-JAN-2022
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: YES
 Date to Receive Samples: 04-FEB-2022
 Logged In By: SHAIK_A On: 30-MAR-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
 -2 boxes nitric
 -2 boxes sulfuric
 -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-AB05) 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: (EPA 8321B) Microcystins 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.