

McCoy, Ian

From: Paswater, Benjamin
Sent: Thursday, January 21, 2021 9:04 AM
To: Bearden, Matthew; McCoy, Ian; Warren, Kalina
Cc: Ayres, Joshua; Faria, Francisco
Subject: RE: Missing Paperwork
Attachments: Harbor Isles NW Lobe (1).pdf; Harbor Isles Southern Lobe.pdf

Hi All,

Attached is the paperwork for the bloom response. Sorry for the delay busy times here.

Thanks, Ben

From: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>
Sent: Wednesday, January 20, 2021 10:58 AM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>; Warren, Kalina <Kalina.Warren@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Paswater, Benjamin <Benjamin.Paswater@dep.state.fl.us>; Faria, Francisco <Francisco.Faria@FloridaDEP.gov>
Subject: RE: Missing Paperwork

Hi Ian.

I've heard back from Ben and Francisco. They were not able to scan in the COC paperwork yesterday due to time constraints and will do so when they return from the field today.

I was given pictures of the meter readings, they are as follows:

Harbor Isles – Southern Lobe

- Sample Time: 10:25
- Temp: 16.6 C
- DO %: 93.7%
- DO mg/l: 8.78
- Conductivity: 11701
- Salinity: 6.71 PPT
- pH: 7.95

Harbor Isles – NW Lobe

- Sample Time: 10:40
- Temp: 16.2
- DO %: 68.3
- DO mg/l: 6.45
- Conductivity: 11429
- Salinity: 6.54 PPT
- pH: 7.63

Please let me know if you need anything additional before they return from the field and can send you the official documentation.

Thanks,
Matt

Matthew Bearden
SW ROC

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Wednesday, January 20, 2021 10:04 AM
To: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Warren, Kalina <Kalina.Warren@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: Missing Paperwork

Good morning, I received RQ-2020-12-07-38 and could not find any paperwork online or in the cooler. Can I get paperwork for the sites "Harbor Isles-NW Lobe/HAB-SW-0023" and "Harbor Isles-Southern Lobe/HAB-SW-0008". I can't do much with the samples without that paperwork.

Thank you!

Ian McCoy
Laboratory Technician IV
850-245-8062
Florida Department of Environmental Protection

RQ-2021-2020-12-07-38

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1/20/2021 9:35

*Cooler Temperature	Samples Frozen? YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
2.9				12		✓			929380093121

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 ☒ 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: IM

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: IM

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

Yes ☐ No ☒ NA ☐ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 1/20/2021

Event contains NCRs (Y/N)? ☒

Event ID:

Algal Bloom Response - SWD
WQAP-2021-01-20-02 (BLOOM-RESP)
Date Received: 20-JAN-2021 09:35

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/28/21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
Chlorine Test Strips	0129 exp: 03/2023

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# _____

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 -	2020-12-07-38	Collected By:	Ben Paswater and Francisco Faria
Customer:	FDEP	Field Report Prepared By:	Ben Paswater
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SWROC
Location:	Comments:		

WIN/Field ID

HAB-SW-0008



Site Name: Harbor Isles - Southern Lobe

Coordinates:

Collection Equip:

Bottles and Pole

High Tide Time:

Low Tide Time:

WIN ID:

Matrix: Marine

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)
1/19/21	1025	93.7	8.78	16.6	7.95	0.3	1.6	0.6	11701	6.71

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
	☐ Globbs	☐ Slick
	☐ Turbid	☐ Opaque
	☐ Brown	☐ 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	1 B

Preserved Nutrients (500mL HDPE)

Acid Lot: SA0293040

Exp: 10/2021

Filtered Nutrients (P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45µm Filter

☒ Ice

1

B

Quantitative Algae

☒ DTY-QN-C / PKD-QN-C

☒ Ice

Lugols? Y/N ☒ N

1

C

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

Ben Paswater

1/19/21

1

IM

1/20/21 9:35



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

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

RQ -	2020-12-07-38	Collected By:	Ben Paswater and Francisco Faria
Customer:	FDEP	Field Report Prepared By:	Ben Paswater
Project ID:	Bloom Repsonse	Sampling Agency:	21FLTPA - SWROC
Location:	Comments:		

WIN/Field ID

HAB-SW-0023



Site Name: Harbor Isles - NW Lobe

Coordinates:

Collection Equip:

High Tide Time:

Low Tide Time:

WIN ID:

Matrix:

Marine

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)
1/19/21	1040	68.3	6.45	16.2	7.63	0.3	.8	8	11429	6.54

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
	☐ Globbs	☐ Slick
	☐ Turbid	☐ Opaque
	☐ Brown	☐ Other: ☐ N/A
	☐ Petroleum	☐ Chemical
	☒ Other: <u>Algae</u>	☐ N/A

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

Ben Paswater

1/19/21 1706

1

IM 1/20/21 9:35

Date of Request: 17-NOV-2020
 Created By: BEARDEN_M On: 17-NOV-2020
 Modified By: JASROTIA_P On: 19-NOV-2020
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algal Bloom Response - SWD

Send Coolers To:

Phone: 813-470-5951
 13051 N. Telecom Parkway

 Temple Terrace, FL 33637
 Attn: Matthew Bearden
 Cooler Ship EMail: matthew.bearden@dep.state.fl.us

Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 18-NOV-2020
 Biology Request Reviewed By: JASROTIA_P On: 19-NOV-2020
 Sampling Kit Required: YES Ship on: 27-NOV-2020
 Sampling Kit Shipped: YES On: 24-NOV-2020
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 07-DEC-2020
 Logged In By: KLUG_K On: 29-DEC-2020

Send Final Report To:

13051 N. Telecom Parkway

 Temple Terrace, FL 33637
 Attn: Matthew Bearden
 Report Notification EMail:
 matthew.bearden@dep.state.fl.us; kalina.warren@dep.state.fl.us;

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

Bottle Group A - algal dominant taxon
 Bottle Group B - 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-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: BP-1L	Number of Bottles: 8	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: 8	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: 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
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.