

From: [Davis, Brian G.](#)
To: [Rankin, Amelia](#); [Lee, Jessica](#)
Cc: [Parrish, Jeremy M.](#)
Subject: RE: 10/5/21 BLOOM-RESP Sample
Date: Thursday, October 7, 2021 7:54:11 AM

Morning Amelia,

That's unfortunate. I should be **Plummer's** cove. That was an oversight on my part. I can change it on our end for the next resampling.

From: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Sent: Wednesday, October 6, 2021 3:50 PM
To: Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>; Lee, Jessica <Jessica.Lee@FloridaDEP.gov>
Cc: Parrish, Jeremy M. <Jeremy.M.Parrish@FloridaDEP.gov>
Subject: 10/5/21 BLOOM-RESP Sample

Hi,

Should the BLOOM-RESP sample collected on 10/5/21 at 1045 be Plummer's Cove or Plumber's Cove? On the submittal sheet (attached), it's Plumber's Cove.

Thanks!

Amelia Rankin

*Taxonomy Manager
FDLP Laboratory--Biology Program
2600 Blair Stone Rd.
MS 6515
Tallahassee, FL 32399-2400
Phone: (850) 245-8182*

From: [Rankin, Amelia](#)
To: [Wright, Colin](#); [Swanson, Cheryl](#); [Whiting, David D.](#)
Subject: RE: Plummer or Plumber?
Date: Tuesday, November 2, 2021 4:01:43 PM
Attachments: [RE 10521 BLOOM-RESP Sample.msg](#)

It's Plummers Cove. I confirmed it with the samplers the last time it happened (attached). I think their computer is autocorrecting the spelling when they make their submittal sheet labels.

Amelia

From: Wright, Colin <Colin.Wright@dep.state.fl.us>
Sent: Tuesday, November 2, 2021 3:51 PM
To: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>
Subject: Plummer or Plumber?

The site location on page 6 is "Plum~~ber~~'s Cove". I've seen this ID before and it was recorded on the algal website as Plum~~m~~ers Cove, which appears to be correct. (If you type Plumbers Cove in Google Maps it takes you to Plummers Cove). So, which should it be? I know it is recorded both ways on the website.

Colin

Colin Wright
Program Administrator
Chemistry Program - Lab
Florida Department of Environmental Protection
2600 Blair Stone Road, M.S. 6510
Tallahassee, FL 32399
colin.wright@dep.state.fl.us
850-245-8102

Login Checklist

RQ- **2021 - 09 - 27 - 47**

Login Station ID: **# 3**

Shipping Method: **FedEx** | UPS | HD | Greyhound

Date/Time of Receipt: **10-06-2021 / 09:15**

*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	
3.5c				15		X			5225 5540 7195
2.6c				15		x			5225 5540 7184

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/ Field Sheet(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 _____ 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: **10-06-2021** Event contains NCRs (Y/N)? **n**

EventID: **Algal Bloom Response- NEROC**

WQAP-2021-10-06-01 (BLOOM-RESP)

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/28/2021
pH Test Strips 0 – 6	Lot # 232518V EXP:NOV 30 2021
pH Paper 0 – 3	N/A
pH Paper 0 – 13	Lot # 231019 EXP:NOV 1 2022
Chlorine Test Strips	0261 2023 / 05

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: _____

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 09-27-47		Collected By:	Brian D. Jessica L							
Customer	W Q/M P	Field Report Prepared By:	B Davis							
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP							
WIN ID/Field ID:  NEHAB0029		Comments:								
LSJR @ end of Blake Ave		Collection Equipment:	Ona #7							
Matrix:	Fresh	Grab	Coordinates:	30.174320, -81.697150						
Tide:	☐ Rising ☒ Falling ☐ Slack ☐ N/A	High Tide Time:	724	Low Tide Time: 1458						
Water Quality										
Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)
10/5/21	1155	6.61	84.9	28.4	7.63	0.3	831	0.40	0.88	0.88
Bloom Observations										
Algal Bloom Observed? ☒ Yes ☐ No										
Water Surface	☒ Clear	☐ Scum	☐ Globs	☐ Slick						
Water Clarity	☐ Clear	☒ Slightly Turbid	☐ Turbid	☐ Opaque						
Bloom Color	☒ Green	☐ Red	☐ Brown	☐ Other: _____						
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other: _____							
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	Other: _____					
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				
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice ☐ H2SO4	☒ <2	1	B				
	Lot	SA1105060	Exp:	4/10/22	☐ <2					
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45um Filter	☒ Ice		1	B			
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C		☐ Ice ☐ Lugols							
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
B-D-	10/5/21 1600	2		A.SHAIK	10-06-2021 / 09:15					

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Bruce

RQ: 2021-09-27-47

Project: Algal Response

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 8/16/21

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/5/21	800	21.0	761.1	8.9	8.9	100.1	✓	1.03	P/F	L/F
ICV			802	21.0	761.2	8.9	8.93	100.2	✓	1.03	P/F	L/F
CCV	J. Lee		1358	24.4	761.0	8.4	8.38	100.2	—	1.03	P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/5/21	737	210426B	5/22	1000	1000	P/F	L/F
ICV			739	210426C	5/22	1413	1422	P/F	L/F
CCV	J. Lee		1400	210426A	5/22	100	103.0	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/5/21	746	2107F56	7/23	7.02	21.1	7.02	-40.0	P/F	L/F
Calibr.			753	2107640	7/23	4.00	21.1	4.00	137.9	P/F	L/F
Calibr.			756	2107A04	12/22	10.04	21.1	10.04	-207.0	P/F	L/F
ICV			758	2107F56	7/23	7.02	21.2	7.06	-38.9	P/F	L/F
CCV	J. Lee		1402	2107A04	12/22	10.03	22.3	10.21	-214.1	P/F	L/F
CCV								10.12		P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 167.0, slope from 4 to 7 122.9 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 8/18/21

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode In air	Brian Davis	10/5/21	803	0.00	0.00	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 09-27-47		Collected By:	Brian D. Jessick L	
Customer	WQIMP	Field Report Prepared By:	Brian D.	
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP	

WIN ID/Field ID:  NEHAB0047

Mouth of Deep Bottom Creek

Comments:

Matrix:	Fresh	Collection Equipment:	Onto #7
Tide:	☐ Rising ☒ Falling ☐ Slack ☐ N/A	Coordinates:	30.177240, -81.642760
		High Tide Time:	924
		Low Tide Time:	1458

Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)
10/5/21	1120	6.95	87.4	27.4	7.49	0.25	746	0.36	0.58	0.58

Algal Bloom Observed?		☒ Yes	☐ No
Water Surface	☒ Clear	☐ Scum	☐ Globs
Water Clarity	☒ Clear	☐ Slightly Turbid	☐ Turbid
Bloom Color	☒ Green	☐ Red	☐ Brown
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other: _____
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum
			☐ Chemical

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
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☐ H2SO4	☒ 2	1	B
	Lot: _____ Exp: _____		☒ 2		
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45um Filter	☒ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
B.D.	10/5/21 1600	2	A.SHAIK	10-06-2021 / 09:15

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 09-27-47		Collected By:	Bria Davis, Jessica L							
Customer	WQMP	Field Report Prepared By:	Bria D.							
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP							
Field ID:		Comments:								
WIN ID/Field ID:		 NEHAB0046								
Plumber's Cove		Collection Equipment:	O-LMO #7							
Matrix:	Fresh	Grab	Coordinates: 30.192160, -81.636910							
Tide:	☐ Rising ☒ Falling ☐ Slack ☐ N/A	High Tide Time:	924	Low Tide Time: 1458						
Water Quality										
Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTH)	Secchi Disk (m)	Total Depth (m)
10/5/20	1045	7.22	92.7	27.7	7.63	0.3	800	0.39	0.6	1.98
		6.52	82.6	27.4	7.61	1.5	800	0.39		
Bloom Observations										
Algal Bloom Observed?		☒ Yes ☐ No								
Water Surface	☒ Clear	☐ Scum	☐ Globbs		☐ Slick					
Water Clarity	☐ Clear	☒ Slightly Turbid	☐ Turbid		☐ Opaque					
Bloom Color	☒ Green	☐ Red	☐ Brown		☐ Other: _____					
Algae Distribution	☒ Suspended in water column		☐ On surface		☐ Other: _____					
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum		☐ Chemical		Other: _____			
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			
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice	☒ A2SO4	☐ <2	1	B			
	Lot SA1105060		Exp: 4/30/22		☐ <2					
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45um Filter		☒ Ice		1	3			
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C		☐ Ice	☐ Lugols						
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
B-D:	10/5/21 1600	2		A.SHAIK	10-06-2021 / 09:15					

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021-09-27-47		Collected By:	Baica Dr. Jessica L	
Customer	WQMP	Field Report Prepared By:	Baica Dr.	
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP	

WIN ID/Field ID:	 NEHAB0042	Comments:
Yacht Basin		

Matrix:	Fresh	Collection Equipment:	30.250750, -81.689350
Tide:	☒ Rising ☐ Falling ☐ Slack ☐ N/A	Coordinates:	Out 40#7
High Tide Time:		924	Low Tide Time: 1458

Water Quality										
Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)
10/5/21	1005	6.49	82.3	27.5	7.62	0.3	879	0.43	0.6	1.8
	1010	6.30	80.0	27.4	7.61	1.3	941	0.46		

Bloom Observations						
Algal Bloom Observed?	☒ Yes	☐ No				
Water Surface	☒ Clear	☐ Scum	☐ Globs	☐ Slick		
Water Clarity	☐ Clear	☒ Slightly Turbid	☐ Turbid	☐ Opaque		
Bloom Color	☒ Green	☐ Red	☐ Brown	☐ Other:		
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other:			
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	Other:	

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
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☐ <2	1	B
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45um Filter	☒ Ice	1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Baica Dr.	10/5/21 1600	2	A.SHAIK	10-06-2021 / 09:15

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021-09-27-47		Collected By:	Brice D. Jessica L	
Customer	WQMP	Field Report Prepared By:	Brice D.	
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP	

WIN ID/Field ID:  NEHAB0040

Mouth of Goodby's Creek

Comments:

Matrix:	Fresh	☒ Grab	Collection Equipment:	Outbo #7
Tide:	☒ Rising ☐ Falling ☐ Slack ☐ N/A	Coordinates:	10-21 6560, -81.623350	
High Tide Time:	924	Low Tide Time:	1458	

Water Quality										
Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTH)	Secchi Disk (m)	Total Depth (m)
10/5/21	920	6.40	81.1	27.7	2.52	0.3	798	0.39	0.9	1.0

Bloom Observations						
Algal Bloom Observed? ☒ Yes ☐ No						
Water Surface	☒ Clear	☐ Scum	☐ Globs	☐ Slick		
Water Clarity	☒ Clear	☐ Slightly Turbid	☐ Turbid	☐ Opaque		
Bloom Color	☒ Green	☐ Red	☐ Brown	☐ Other: _____		
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other: _____			
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	Other: _____	

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
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	B
Filtered Nutrients (P125mL)	Lot SA1105060 Exp: 4/30/22	☒ W-PO4-F ☒ Field Filtered 0.45um Filter	☐ <2		
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
D.P.	10/5/21 1600	2	A.SHAIR	10-06-2021 / 09:15

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 09-27-47		Collected By:	Brian D., Jessica L	
Customer	WQMP	Field Report Prepared By:	Brian D.	
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP	

WIN ID/Field ID:	 NEHAB0024	Comments:
Christopher Creek below San Jose Blvd		

Matrix:	Fresh	Grab	Collection Equipment:	Orto #7
Tide:	☒ Rising ☐ Falling ☐ Slack ☐ N/A	Coordinates:	30.252670, -81.642010	
		High Tide Time:	924	Low Tide Time: 1458

Water Quality										
Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTH)	Secchi Disk (m)	Total Depth (m)
10/5/21	940	6.83	86.9	27.6	7.64	0.3	903	0.44	0.8	0.98

Bloom Observations					
Algal Bloom Observed?	☒ Yes ☐ No				
Water Surface	☒ Clear ☐ Scum	☐ Globbs	☐ Slick		
Water Clarity	☐ Clear ☒ Slightly Turbid	☐ Turbid	☐ Opaque		
Bloom Color	☒ Green ☐ Red	☐ Brown	☐ Other:		
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other:		
Water Odors	☒ Normal ☐ Sewage	☐ Petroleum	☐ Chemical	Other:	

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
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☐ H2SO4	☒ <2	1	B
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45um Filter	☒ Ice	☐ <2	1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Brian D.	10/5/21 1600	2	A.SHAIK	10-06-2021 / 09:15

Date of Request: 22-SEP-2021
 Created By: PARRISH_J On: 22-SEP-2021
 Modified By: JASROTIA_P On: 23-SEP-2021
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algal Bloom Response- NERO

Send Coolers To:

Phone: 904-256-1700
 8800 Baymeadows Way West

 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Cooler Ship EMail: Jeremy.M.Parrish@dep.state.fl.us

Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 23-SEP-2021
 Biology Request Reviewed By: JASROTIA_P On: 23-SEP-2021
 Sampling Kit Required: YES Ship on: 24-SEP-2021
 Sampling Kit Shipped: YES On: 24-SEP-2021
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 27-SEP-2021
 Logged In By: SHAIK_A On: 06-OCT-2021

Send Final Report To:

8800 Baymeadows Way West

 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Report Notification EMail:
 Jeremy.M.Parrish@dep.state.fl.us; Brian.Davis@floridadep.gov; A
 melia.Rankin@dep.state.fl.us

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, 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 7 Samples:

Bottle Type: PT-50ML	Number of Bottles: 7	Preserved With: ICE
BLOOM-ID	Template: DEFAULT	(SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 7 Samples:

Bottle Type: BP-1L	Number of Bottles: 7	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: 7	Preserved With: ICE
W-MCYST-AA	Template:	(EPA 8321B) Microcystins in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 7	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: 7	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.