

Reaves, Shawn D

From: Davis, Brian G.
Sent: Tuesday, July 5, 2022 2:35 PM
To: Reaves, Shawn D
Subject: RE: RQ-2022-06-06-57

Hi Shawn,

Sorry about that. Those are the St John's River and a Lake trib off of it. Usually we would consider them fresh but they are clearly **marine** here and I should have seen that. It is tidal in the area so it is not surprising. Should I go back and change the designation on our paperwork and resend it to you?

From: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Sent: Tuesday, July 5, 2022 10:24 AM
To: Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>
Subject: RQ-2022-06-06-57
Importance: High

Good Morning Brian,

Can you verify the matrix for the two sites below. Both samples have freshwater as the matrix despite the high specific conductance.

RQ - 2022-06-06-57	Collected By:	Brian D
Customer: WQAP	Field Report Prepared By:	Brian D
Project ID: BLOOM_RESP	Sampling Agency:	NEROC
Location: LSJR @ 2930 SR 13	Comments:	

Field ID: NEHAB0077

Coordinates: 30.05034, -81.66920

WIN Secondary Resource Type: River/Stream

Collection Equip: WaterBottle

WIN ID: NEHAB0077

High Tide Time: 753 **Low Tide T**

Matrix: Fresh

Grab

Tide: ☒ Rising ☐ Falling ☐

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 (µm)
06/09/2022	09:25	82.4	6.22	29.2	7.51	0.3	2.2	1.2	

RQ - 2022-06-06-57

Collected By:

Brian Davis

Customer: WQAP

Field Report

Brian Davis

Prepared By:

Project ID: BLOOM_RESP

Sampling Agency:

NEROC

Location: Swimming Pen Cr @ Whitey's Fish Camp

Comments:

Field ID: NEHAB0074

Coordinates: 30.10098, -81.74653

WIN Secondary Resource Type: River/Stream

Collection Equip: WaterBottle

WIN ID: NEHAB0074

High Tide Time: 712

Low Tide Time:

Matrix: Fresh

Grab

Tide: ☒ Rising ☐ Falling ☐ S

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. (µm)
06/09/2022	10:35	69.4	5.16	29.6	7	0.3	1	1	8

Shawn D. Reaves

DEP-Lab Support

Environmental Specialist I

Office: 850-245-8082

Direct: 58082

Email: Shawn.Reaves@FloridaDEP.gov

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: Vesi

RQ: 2021-06-06-57

Project: ALC/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 5/2/22

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	6/9/22	757	23.0	759.8	8.6	✓	100.0	✓	1.01	(P) F	(L) F
ICV			758	23.0	759.9	8.6	8.59	100.1	✓	1.01	(P) F	(L) F
CCV			1429	23.0	757.7	8.6	8.57	99.9	✓	1.01	(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	6/9/22	727	220225A	3/23	1000	1000	(P) F	(L) F
ICV			730	211122B	12/22	1413	1391	(P) F	(L) F
CCV			1431			15,000	15,022	(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	6/9/22	737	4203B87	2/24	7.01	23.4	7.01	-8.8	P / F	L / F
Calibr.			743	2201D88	1/24	4.00	23.0	4.00	169.8	P / F	L / F
Calibr.			750	2202A63	7/23	10.01	23.5	10.01	-180.3	P / F	L / F
ICV			752	4203B87	2/24	7.01	23.5	7.04	-8.3	(P) F	(L) F
CCV			1433	2202A63	7/23	10.02	23.5	10.04	-183.0	P / F	L / F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 171.5, slope from 4 to 7 128.6 (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: 5/3/22

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	6/9/22	759	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 (2022-06-06 v1)

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

RQ - 2022-06-06-57		Collected By:		Brian davis						
Customer: WQAP		Field Report Prepared By:		Brian Davis						
Project ID: BLOOM_RESP		Sampling Agency:		NEROC						
Location: Dr's Lake end of Lawrence Rd				Comments:						
Field ID: NEHAB0073				Coordinates: 30.12973, -81.75428						
WIN Secondary Resource Type: River/Stream				Collection Equip: WaterBottle						
WIN ID: NEHAB0073				High Tide Time: 712	Low Tide Time: 1335					
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 (PPT)
06/09/2022	11:10	73.4	5.66	29.8	7.54	0.3	0.7	0.7	9523	5.32
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 ID (PT-50mL)		☐ ALGAE-ID		☐ Ice						
Bloom ID (PT-50mL)		☒ BLOOM-ID		☒ Ice			1	A		
Chlorophyll (BP-1L)		☒ CHLSUITE-W		☒ Ice			1	B		
Toxins (BG-WD250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN		☒ Ice			1	B		
		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice ☒ H2SO4		☒ <2	1	B		
Preserved Nutrients (500mL HDPE)		SA1308030		12/01/22						
		Acid Lot:		Exp:						
Filtered Nutrients (P125mL)		☒ W-PO4-F		☒ Field Filtered 0.45um Filter		☒ Ice	1	B		
		Filter Lot # R1EB01239								
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C		☐ Ice		☐ Lugols				
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Brian Davis		06/09/2022 16:30		1						



Cyanobacteria Bloom Response Field Data Sheet (2022-06-06 v1)

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RQ - 2022-06-06-57		Collected By:		Brian Davis							
Customer: WQAP		Field Report Prepared By:		Brian Davis							
Project ID: BLOOM_RESP		Sampling Agency:		NEROC							
Location: Swimming Pen Cr @ Whitey's Fish Camp				Comments:							
Field ID: NEHAB0074				Coordinates: 30.10098, -81.74653							
WIN Secondary Resource Type: River/Stream				Collection Equip: WaterBottle							
WIN ID: NEHAB0074				High Tide Time: 712 Low Tide Time: 1335							
Matrix: ☒ Fresh ☐ 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 (PPT)	
06/09/2022	10:35	69.4	5.16	29.6	7	0.3	1	1	8581	4.74	
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 ID (PT-50mL)		☐ ALGAE-ID		☐ Ice							
Bloom ID (PT-50mL)		☒ BLOOM-ID		☒ Ice				1		A	
Chlorophyll (BP-1L)		☒ CHLSUITE-W		☒ Ice				1		B	
Toxins (BG-WD250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN		☒ Ice				1		B	
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice ☒ H2SO4		☒ <2		1		B	
		SA1308030		12/2/22							
		Acid Lot:		Exp:							
Filtered Nutrients (P125mL)		☒ W-PO4-F ☒ Field Filtered 0.45µm Filter		☒ Ice				1		B	
		Filter Lot # R1EB01329									
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C		☐ Ice ☐ Lugols							
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time			
Brian Davis		06/09/2022 16:30		1							



Cyanobacteria Bloom Response Field Data Sheet (2022-06-06 v1)

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

RQ - 2022-06-06-57		Collected By:	Brian D							
Customer:	WQAP	Field Report Prepared By:	Brian D							
Project ID:	BLOOM_RESP	Sampling Agency:	NEROC							
Location: LSJR @ 2930 SR 13		Comments:								
Field ID: NEHAB0077		Coordinates:	30.05034, -81.66920							
WIN Secondary Resource Type: River/Stream		Collection Equip:	WaterBottle							
WIN ID: NEHAB0077		High Tide Time:	753	Low Tide Time: 1402						
Matrix:	Fresh 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 (PPT)
06/09/2022	09:25	82.4	6.22	29.2	7.51	0.3	2.2	1.2	5835	3.14
	09:35	79.7	5.99	29.2	7.49	1.7			5898	3.18
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 ID (PT-50mL)	☐ ALGAE-ID		☐ Ice							
Bloom ID (PT-50mL)	☒ BLOOM-ID		☒ Ice			1	A			
Chlorophyll (BP-1L)	☒ CHLSUITE-W		☒ Ice			1	B			
Toxins (BG-WD250)	☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN		☒ Ice			1	B			
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice ☒ H2SO4		☒ <2	1	B			
	SA1308030		12/2/22							
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45um Filter		☒ Ice	1	B			
	Filter Lot # R1EB01239									
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C		☐ Ice		☐ Lugols					
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time				
Brian D	06/09/2022 16:30	1								

Login Checklist

RQ- **2022 - 06 - 06 - 57**

Login Station ID: **# 3**

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

Date/Time of Receipt: **06/10/2022 / 09:27**

*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	
2.2c				15		X			5225 5547 0900

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: **06/10/2022** Event contains NCRs (Y/N)? **n**

Event ID: **Algal Bloom Response- NEROC**
WQAP-2022-06-10-02 (BLOOM-RESP)

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	0064/11/2023/05 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: _____

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: Vesi

RQ: 2021-06-06-57

Project: Alg. 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 5/2/22

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	6/9/22	757	23.0	759.8	8.6	8.6	100.0	/	1.01	(P) F	(L) F
ICV			758	23.0	759.9	8.6	8.59	100.1	/	1.01	(P) F	(L) F
CCV			1429	23.0	757.7	8.6	8.57	99.9	/	1.01	(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.

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CCV			1431			15,000	15,022	(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	6/9/22	737	4203B87	2/24	7.01	23.4	7.01	-8.8	P / F	L / F
Calibr.			743	2201D88	1/24	4.00	23.0	4.00	169.8	P / F	L / F
Calibr.			750	2202A63	7/23	10.01	23.5	10.01	-180.3	P / F	L / F
ICV			752	4203B87	2/24	7.01	23.5	7.04	-8.3	(P) F	(L) F
CCV			1433	2202A63	7/23	10.02	23.5	10.04	-183.0	P / F	L / F
CCV										P / F	L / F

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

If mV are recorded: slope from 7 to 10 171.5, slope from 4 to 7 128.6 (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: 5/3/22

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	6/9/22	759	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:



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Location: Dr's Lake end of Lawrence Rd			Comments:							
Field ID: NEHAB0073			Coordinates:	30.12973, -81.75428						
WIN Secondary Resource Type: River/Stream			Collection Equip:	WaterBottle						
WIN ID: NEHAB0073			High Tide Time:	712	Low Tide Time: 1335					
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 (PPT)
06/09/2022	11:10	73.4	5.66	29.8	7.54	0.3	0.7	0.7	9523	5.32
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 ID (PT-50mL)	☐ ALGAE-ID		☐ Ice							
Bloom ID (PT-50mL)	☒ BLOOM-ID		☒ Ice		1	A				
Chlorophyll (BP-1L)	☒ CHLSUITE-W		☒ Ice		1	B				
Toxins (BG-WD250)	☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN		☒ Ice		1	B				
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP SA1308030		☒ Ice	☒ H2SO4	☒ <2	1				
	Acid Lot:		Exp:							
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45um Filter Filter Lot # R1EB01239		☒ 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					
Brian Davis	06/09/2022 16:30	1		A.SHAIK	06/10/2022 / 09:27					



Cyanobacteria Bloom Response Field Data Sheet (2022-06-06 v1)

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

RQ - 2022-06-06-57		Collected By:		Brian Davis						
Customer: WQAP		Field Report Prepared By:		Brian Davis						
Project ID: BLOOM_RESP		Sampling Agency:		NEROC						
Location: Swimming Pen Cr @ Whitey's Fish Camp				Comments:						
Field ID: NEHAB0074				Coordinates: 30.10098, -81.74653						
WIN Secondary Resource Type: River/Stream				Collection Equip: WaterBottle						
WIN ID: NEHAB0074				High Tide Time: 712 Low Tide Time: 1335						
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)
06/09/2022	10:35	69.4	5.16	29.6	7	0.3	1	1	8581	4.74
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 ID (PT-50mL)		☐ ALGAE-ID				☐ Ice				
Bloom ID (PT-50mL)		☒ BLOOM-ID				☒ Ice			1	A
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	B
Toxins (BG-WD250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	B
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1	B
		SA1308030				12/2/22				
		Acid Lot:				Exp:				
Filtered Nutrients (P125mL)		☒ W-PO4-F ☒ Field Filtered 0.45um Filter				☒ Ice			1	B
		Filter Lot # R1EB01329								
Quantitative Algae		☐ DTY-QN-C / ☐ PKD-QN-C				☐ Ice ☐ Lugols				
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Brian Davis		06/09/2022 16:30		1		A.SHAIK		06/10/2022 / 09:27		



Cyanobacteria Bloom Response Field Data Sheet (2022-06-06 v1)

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

RQ - 2022-06-06-57		Collected By:		Brian D						
Customer:	WQAP	Field Report Prepared By:		Brian D						
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC						
Location: LSJR @ 2930 SR 13			Comments:							
Field ID: NEHAB0077			Coordinates: 30.05034, -81.66920							
WIN Secondary Resource Type: River/Stream			Collection Equip: WaterBottle							
WIN ID: NEHAB0077			High Tide Time: 753		Low Tide Time: 1402					
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)
06/09/2022	09:25	82.4	6.22	29.2	7.51	0.3	2.2	1.2	5835	3.14
	09:35	79.7	5.99	29.2	7.49	1.7			5898	3.18
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 ID (PT-50mL)	☐ ALGAE-ID				☐ Ice					
Bloom ID (PT-50mL)	☒ BLOOM-ID				☒ Ice			1	A	
Chlorophyll (BP-1L)	☒ CHLSUITE-W				☒ Ice			1	B	
Toxins (BG-WD250)	☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	B	
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1	B	
Preserved Nutrients (500mL HDPE)	SA1308030				12/2/22					
	Acid Lot:		Exp:							
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45um Filter		☒ Ice			1	B	
			Filter Lot # R1EB01239							
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols					
Relinquished By:	Date/Time		Number of Coolers Shipped		Received By:		Date/Time			
Brian D	06/09/2022 16:30		1		A.SHAIK		06/10/2022 / 09:27			

Date of Request: 19-MAY-2022
 Created By: PARRISH_J On: 19-MAY-2022
 Modified By: JASROTIA_P On: 26-MAY-2022
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algal Bloom Response- NEROC

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: AYRES_J On: 26-MAY-2022
 Biology Request Reviewed By: JASROTIA_P On: 26-MAY-2022
 Sampling Kit Required: YES Ship on: 01-JUN-2022
 Sampling Kit Shipped: YES On: 02-JUN-2022
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 06-JUN-2022
 Logged In By: SHAIK_A On: 10-JUN-2022

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.G.Davis@floridadep.gov
 ;Amelia.Rankin@dep.state.fl.us

Comments:

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

Bottle Group A,C - Priority 1
 For algal dominant taxon.

Bottle Group B,D - Priority 1
 For toxin testing, nutrients, and 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 3 Samples:

Bottle Type: PT-50ML Number of Bottles: 3 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 3 Samples:

Bottle Type: BP-1L Number of Bottles: 3 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: 3 Preserved With: ICE
 W-MCYST-AA Template: (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: 3 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 3 Samples:

Bottle Type: P-125ML Number of Bottles: 3 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

Bottle Group C (Biological) With 3 Samples:

Bottle Type: PT-50ML Number of Bottles: 3 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group D (Water) With 1 Samples:

Bottle Type: P-125ML Number of Bottles: 1 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

Bottle Type: BP-1L Number of Bottles: 1 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: 1 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: 1 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

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.