

From: [McNally, Lauren](#)
To: [Cobb, Devan R.](#)
Cc: [Butler, Myranda K](#)
Subject: Incorrect time in RQ-2022-09-26-35
Date: Wednesday, October 12, 2022 10:12:54 AM

Good morning Devan,

Would you mind changing the time in LIMS from 9:48 to 10:20 on RQ-2022-09-26-35 at site NEHAB0077?

Thanks,



Lauren McNally

Florida Department of Environmental Protection
Division of Environmental Assessment
& Restoration
Water Quality Monitoring Program
Environmental Specialist II
Lauren.McNally@FloridaDEP.gov
Office: 850-595-0571

Reaves, Shawn D

From: Davis, Brian G.
Sent: Monday, October 10, 2022 4:12 PM
To: Reaves, Shawn D; Halbert, Katherine
Cc: Roberts, Zachary
Subject: RE: RQ-2022-09-26-35
Attachments: RQ-2022-09-26-35_10062022.pdf

Hey Shawn,

I made the edits and attached. The bottles were correct but the original COC was incorrectly dated. The sample was taken on 10/06/2022.

Apologies.

From: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Sent: Monday, October 10, 2022 2:50 PM
To: Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>; Halbert, Katherine <Katherine.Halbert@FloridaDEP.gov>
Subject: RQ-2022-09-26-35
Importance: High

Good Afternoon,

Can you verify the collection date on the submittal form below?

Thanks,
Shawn

RQ - 2022-09-26-35

Customer: WQAP

Project ID: BLOOM_RESP

Location: Dr.'s Lake at Camp Echokotee

Collected By:

Field Report
Prepared By:

Sampling Agency:

Brian Davis, Katherine Halbert

Katherine Halbert

NEROC

Comments:

Field ID: NEHAB0085

Coordinates: 30.15052, -81.72470

WIN Secondary Resource Type: Lake

Collection Equip: WaterBottle

WIN ID: NEHAB0085

High Tide Time: 1036 Low Tide Time:

Matrix: Fresh

Grab

Tide: ☐ Rising ☒ Falling ☐ Slack

Water Quality

Date	Time ☒ ST ☐ CEN	D.O. (%)	D.O. (mg/L)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond (µmho/cm)
09/01/2022	11:50	131.2	11.05	23.8	8.5	0.3	1.77	0.45	2057
	11:51	119.3	10.18	23.4	8.33	1.27			2052



Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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

RQ - 2022-09-26-35		Collected By:		Brian Davis, Katherine Halbert						
Customer:	WQAP	Field Report Prepared By:		Katherine Halbert						
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC						
Location: Dr.'s Lake at Camp Echokotee			Comments:							
Field ID: NEHAB0085			Coordinates: 30.15052, -81.72470							
WIN Secondary Resource Type: Lake			Collection Equip: WaterBottle							
WIN ID: NEHAB0085			High Tide Time: 1036		Low Tide Time: 1752					
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 (PPTH)
10/06/2022	11:50	131.2	11.05	23.8	8.5	0.3	1.77	0.45	2057	1.05
	11:51	119.3	10.18	23.4	8.33	1.27			2052	1.05
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		
Algal ID (PT-50mL)	☐ ALGAL-ID			☐ Ice						
Bloom ID (PT-50mL)	☒ BLOOM-ID			☒ Ice			1	A		
Chlorophyll (BP-1L)	☒ CHLSUITE-W			☒ Ice			1	B		
Toxins (P-125/BG-250)	☒ 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)	SA2145160			06/07/23						
	Acid Lot:			Exp:						
Filtered Nutrients (P125mL)	☒ W-PO4-F			☒ Field Filtered 0.45um Filter		☒ Ice	1	B		
	Filter Lot # 175533									
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C			☐ Ice ☐ Lugols						
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time				
Katherine Halbert	10/06/2022 16:30	2								

Login Checklist

RQ- 2022-09-26-35

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/ 7 /2022 9:25

*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	
0.7				15		X			5225 5548 4881
1.9				15		X			5225 5547 0592

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 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 ✓ 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 X Init: rk

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: rk

**W-1-4-DIOX (Green dot on container) preserved to pH< 4.0? Yes _____ No _____ NA X Init: rk

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

Coolers Unpacked/Checked by: rk Date: 10/ 7 /2022 Event contains NCRs (Y/N)? N

EventID: Algae Bloom Response NEROC-as needed
WQAP-2022-10-07-01 (BLOOM-RESP)

Date Received: 07-OCT-2022 09:25

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #4 Exp:10/19/2022
pH Test Strips 0 – 6	LOT# 223819AV Exp: AUG 30, 2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT# 207621 Exp: March 15, 2024
Chlorine Test Strips	LOT# 0070 Exp: Feb. 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# _____

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: ELUCE

RQ- 2022-09-26-35

Project: Dr. Lake Algal Run

- 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 8/1/22

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	10/6/22	751	21.5	762.5	8.9	8.9	100.4	✓	1.02	P/F	L/F
ICV			754	21.3	763.0	8.9	100.6	8.91	✓	1.02	P/F	L/F
CCV	K. Halbert	10/6/22	1547	22.3	761.5	8.7	8.70	100.1	✓	1.02	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	10/6/22	736	220719A	7/23	1000	1000	P/F	L/F
ICV			738	211122A	12/22	15,000	15,083	P/F	L/F
CCV	K. Halbert	10/6/22	1555	210917A	3/23	100	100.8	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	10/6/22	742	M074-20	3/24	7.01	21.5	7.01	-10.1	P/F	L/F
Calibr.			744	L344-18	12/23	4.00	21.5	4.00	166.0	P/F	L/F
Calibr.			747	2202F29	8/23	10.04	21.4	10.04	-181.9	P/F	L/F
Calibr.			749	M074-20	3/24	7.01	21.5	7.03	-9.2	P/F	L/F
ICV						4.00	22.0	3.96	167.5	P/F	L/F
CCV	K. Halbert	10/6/22	1556	L344-18	12/23					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 10 171.8, slope from 4 to 7 176.1 (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: _____; Date of last verification: _____

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

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	10/6/22	752	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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RQ - 2022-09-26-35		Collected By:		Brian Davis, Katherine Halbert	
Customer:	WQAP	Field Report Prepared By:		Katherine Halbert	
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC	
Location: Doctor's Lake @ Mill Cove			Comments:		
Field ID: NEHAB0057			Coordinates: 30.12438, -81.72774		
WIN Secondary Resource Type: Lake			Collection Equip: WaterBottle		
WIN ID: NEHAB0057			High Tide Time: 1036		Low Tide Time: 1714
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 (PPTH)
10/06/2022	12:30	122.6	10.44	23.1	8.34	0.3	2.694	0.55	2343	1.21
	12:32	80	6.95	22	7.51	2.194			2422	1.25

Bloom Observations	
Algal Bloom Observed?	☐ Yes ☒ No
Water Clarity	☐ Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque ☐ Green ☐ Red ☐ Brown ☐ Other: ☐ Planktonic ☐ Filamentous ☐ Other: ☐ Mat ☐ Specks ☐ Scum ☐ Glob ☐ Surface-Entire ☐ Surf-Localized ☐ Surf-Windblown ☐ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Toxins (P-125/BG-250)	☒ 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 2145160 Acid Lot: Exp:	☒ Ice ☒ H2SO4	☒ <2	1	B
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45µm Filter Filter Lot # 175533	☒ 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	
Katherine Halbert	10/06/2022 16:30	2	<i>zh</i>	10-7-2022 9.25	



Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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RQ - 2022-09-26-35		Collected By:		Brian Davis, Katie Halbert						
Customer: WQAP		Field Report Prepared By:		Katie Halbert						
Project ID: BLOOM_RESP		Sampling Agency:		NEROC						
Location: Dr's Lake end of Lawrence Rd			Comments:							
Field ID: NEHAB0073			Coordinates: 30.12940, -81.75134							
WIN Secondary Resource Type: Lake			Collection Equip: WaterBottle							
WIN ID: NEHAB0073			High Tide Time: 1036		Low Tide Time: 1752					
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 (PPTH)
10/06/2022	12:15	126.7	10.79	22.9	8.55	0.3	1.85	0.65	2366	1.22
	12:11	98.2	8.44	22.5	7.96	1.35			2384	1.23
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
Algal ID (PT-50mL)		☐ ALGAL-ID				☐ Ice				
Bloom ID (PT-50mL)		☒ BLOOM-ID				☒ Ice			1	A
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	B
Toxins (P-125/BG-250)		☒ 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)		2145160				06/07/23				
		Acid Lot:		Exp:						
Filtered Nutrients (P125mL)		☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ Ice			1	B
				Filter Lot # 175533						
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols				
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Katie Halbert		10/06/2022 16:30		2		[Signature]		10-7-2022 9:25		



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RQ - 2022-09-26-35		Collected By:		Brian Davis, Katherine Halbert							
Customer:	WQAP	Field Report Prepared By:		Katherine Halbert							
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC							
Location: Swimmng Pen Cr @ Whitey's Fish Camp			Comments:								
Field ID: NEHAB0074			Coordinates: 30.10109, -81.74644								
WIN Secondary Resource Type: River/Stream			Collection Equip: WaterBottle								
WIN ID: NEHAB0074			High Tide Time:	1000	Low Tide Time: 1700						
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 (PPTH)	
10/06/2022	13:10	68.3	5.84	23.3	7.05	0.3	1.386	0.7	1768	0.9	
	13:09	65.7	5.62	22.6	7.05	0.885			1797	0.91	
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		
Algal ID (PT-50mL)	☐ ALGAL-ID					☐ Ice					
Bloom ID (PT-50mL)	☒ BLOOM-ID					☒ Ice		1	A		
Chlorophyll (BP-1L)	☒ CHLSUITE-W					☒ Ice		1	B		
Toxins (P-125/BG-250)	☒ 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		
	2145160 Acid Lot:					06/07/23 Exp:					
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45um Filter					☒ Ice		1	B		
	Filter Lot # 175533										
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C					☐ Ice ☐ Lugols					
Relinquished By:	Date/Time	Number of Coolers Shipped			Received By:	Date/Time					
Katherine Halbert	10/06/2022 16:30	2				10-7-2022 9:25					



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RQ - 2022-09-26-35		Collected By:		Brian Davis, Katherine Halbert						
Customer:	WQAP	Field Report Prepared By:		Katherine Halbett						
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC						
Location: LSJR @ 2930 SR 13			Comments: Clear sky, sunny conitions.							
Field ID: NEHAB0077			Coordinates: 30.05027, -81.66956							
WIN Secondary Resource Type: River/Stream			Collection Equip: WaterBottle							
WIN ID: NEHAB0077			High Tide Time: 1035		Low Tide Time: 1733					
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 (PPTH)
10/06/2022	09:48	82.8	7.14	22.7	7.49	0.3	2.516	0.9	882	0.43
	10:26									
	10:23	79.2	6.86	22.4	7.48	2			891	0.44
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	
Algal ID (PT-50mL)		☐ ALGAL-ID			☐ Ice					
Bloom ID (PT-50mL)		☒ BLOOM-ID			☒ Ice			1	A	
Chlorophyll (BP-1L)		☒ CHLSUITE-W			☒ Ice			1	B	
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN ☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP			☒ Ice ☒ H2SO4			1	B	
Preserved Nutrients (500mL HDPE)		SA2145160			06/02/23					
		Acid Lot:			Exp:					
Filtered Nutrients (P125mL)		☒ W-PO4-F ☒ Field Filtered 0.45µm Filter			☒ Ice			1	B	
		Filter Lot # 175533								
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C			☐ Ice ☐ Lugols					
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Katherine Halbert		10/06/2022 10:32		2				10-7-2022 9:25		



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Customer:	WQAP	Field Report Prepared By:		Katherine Halbert	
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC	
Location: Dr.'s Lake at Camp Echokotee			Comments:		
Field ID: NEHAB0085			Coordinates: 30.15052, -81.72470		
WIN Secondary Resource Type: Lake			Collection Equip: WaterBottle		
WIN ID: NEHAB0085			High Tide Time: 1036		Low Tide Time: 1752
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)
09/01/2022	11:50	131.2	11.05	23.8	8.5	0.3	1.77	0.45	2057	1.05
	11:51	119.3	10.18	23.4	8.33	1.27			2052	1.05

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
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Toxins (P-125/BG-250)	☒ 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 SA2145160 Acid Lot: Exp:	☒ Ice ☒ H2SO4 ☒ <2		1	B
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45um Filter Filter Lot # 175533	☒ 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
Katherine Halbert	10/06/2022 16:30	2	<i>Re</i>	10-7-2022 9:25



Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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

RQ - 2022-09-26-35		Collected By:		Brian Davis, Katherine Halbert						
Customer:	WQAP	Field Report Prepared By:		Katherine Halbert						
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC						
Location: Black Creek Park and Trail			Comments: Clear, sunny sky conditions.							
Field ID: NEHAB0096			Coordinates: 30.04545, -81.71231							
WIN Secondary Resource Type: River/Stream			Collection Equip: WaterBottle							
WIN ID: NEHAB0096			High Tide Time: 1040		Low Tide Time: 1740					
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 (PPTH)
10/06/2022	10:55	81.1	6.9	23.1	7.11	0.3	5.843	0.6	718	0.35
	10:54	74.8	6.42	22.9	7.11	5.3			681	0.33
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
Algal ID (PT-50mL)	☐ ALGAL-ID					☐ Ice				
Bloom ID (PT-50mL)	☒ BLOOM-ID					☒ Ice			1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W					☒ Ice			1	B
Toxins (P-125/BG-250)	☒ 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 SA2145160					☒ Ice ☒ H2SO4		☒ <2	1	B
	Acid Lot: Exp: 06/07/23									
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45µm Filter Filter Lot # 175533					☒ 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		
Katherine Halbert	10/06/2022 16:30	2						10-7-2022 9:25		

Date of Request: 20-SEP-2022
 Created By: DAVIS_B On: 20-SEP-2022
 Modified By: JASROTIA_P On: 26-SEP-2022
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algae Bloom Response NEROC-as needed

Send Coolers To:

Phone: 904-256-1568
 8800 Baymeadows Way W
 Suite 100
 Jacksonville, FL 32256
 Attn: Brian G Davis
 Cooler Ship EMail: Brian.g.davis@floridadep.gov

Priority: 1
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 21-SEP-2022
 Biology Request Reviewed By: JASROTIA_P On: 26-SEP-2022
 Sampling Kit Required: YES Ship on: 28-SEP-2022
 Sampling Kit Shipped: YES On: 28-SEP-2022
 Sampling Kit Packed By: PENDLETO_C
 Preservatives Needed: YES
 Date to Receive Samples: 26-SEP-2022
 Logged In By:

Send Final Report To:

8800 Baymeadows Way W
 Suite 100
 Tallahassee, FL 32399-2400
 Attn: Brian G Davis
 Report Notification EMail: Brian.g.davis@floridadep.gov

Comments: -Do not send bottles in coolers. Can be shipped in Cardboard Boxes-

Bottle Group A - Priority 1
 For Bloom ID dominant taxon.

Bottle Group B - Priority 1
 For toxin testing Nutrients, Chlorophyll, Toxin.

Bottle Group C - Priority 1
 For toxin testing Nutrients, Chlorophyll, Toxin w/ SAX.

Bottle Group A (Biological) With 12 Samples:

Bottle Type: PT-50ML Number of Bottles: 12 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB18) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: P-125ML Number of Bottles: 6 Preserved With: ICE
 W-MCYST-AA Template: DEFAULT (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: 6 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: 6 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 (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE

Bottle Group C (Water) With 6 Samples:

Bottle Type: BP-1L	Number of Bottles: 6	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-125ML	Number of Bottles: 6	Preserved With: ICE
W-MCYST-AA	Template: DEFAULT	(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: 6	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: 6	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.