

Login Checklist

RQ-2021-06-21-53

Login Station ID: #4

Shipping Method: FedEx UPS HD | Greyhound

Date/Time of Receipt: 07/30/21 @ 11:10

*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	
2.1°C				3		X			12 14R 2178 993

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 °C (above 10.0 °C 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: TR

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 X Init: TR

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

Yes _____ No _____ NA X Init: TR

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

Coolers Unpacked/Checked by: TR

Date: 07/30/21

Event contains NCRs (Y/N)? N

Event ID:

Algal Bloom Response - NW ROC - T
WQAP-2021-07-30-05 (BLOOM-RESP)

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:10/28/2021
pH Test Strips 0 – 6	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	210620 EXP:04/15/2023
Chlorine Test Strips	0261 EXP:05/2023

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: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 7/29/2021
Collected By: Christopher Stopher Slade, Nathan Mulkey
Customer: NW-DIST
Sampling Agency: FDEP
RQ: RQ-2021-06-21-53
Project ID: Algal Bloom Response

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 2

Delivery Method: UPS

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
Twin Lake	 G3NW0215
Twin Lake eastern lake	 G3NW0449
Coleman Lake	 G3NW0216

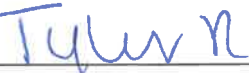
RELINQUISHED BY(SIGNATURE):



DATE/TIME: 7/29/2021
1630CEN

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected Date:

07/30/21



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

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

RQ - 2021-06-21-53				Collected By:		Nathan Mulkey, Stopher Slade					
Customer:		NW District		Field Report Prepared By:		Stopher Slade					
Project ID:		Algal Bloom Response		Sampling Agency:		FDEP NWROC					
Location: Twin Lake				Comments: Algae identity associated with RQ-2021-04-19-33 Twin Lake is covered in several duck weed species, with a potentially toxic algae identified in the water column or on the surface underneath the duckweed. Water quality associated with RQ-2021-07-26-15							
Field ID: G3NW0215				Coordinates:		30.39516 N, 86.47528 W					
				Collection Equip:		Sample Bottle					
WIN ID: G3NW0215				High Tide Time:				Low Tide Time:			
Matrix:		Freshwater		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)	
7/29/2021	0950	1.4	0.11	27.6	6.38	0.3	0.8	0.8	440.9	0.21	
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: _____		☐ N/A			
Algae Distribution		☐ Suspended in water column		☒ On surface		☐ Other: _____		☐ N/A			
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							
Chlorophyll (BP-1L)	☐ CHLSUITE-W			☐ Ice							
Toxins (BG-WD250)	☒ OV-TOXN-LC			☒ Ice			1	A			
Preserved Nutrients (500mL HDPE)	☐ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP			☐ Ice ☐ H2SO4		☐ <2					
	Acid Lot:		Exp:								
Filtered Nutrients (P125mL)	☐ W-PO4-F		☐ Field Filtered 0.45µm Filter		☐ Ice						
			Filter Lot #								
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C			☐ Ice		Lugols? Y / N					
Relinquished By:	Date/Time		Number of Coolers Shipped		Received By:		Date/Time				
S.Slade	7/29/20 1630		2 UPS								



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

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

RQ - 2021-06-21-53		Collected By:		Nathan Mulkey, Stopher Slade						
Customer:	NW District	Field Report Prepared By:		Stopher Slade						
Project ID:	Algal Bloom Response	Sampling Agency:		FDEP NWROC						
Location: Twin Lake eastern lake			Comments: Twin Lake eastern lake had globs of a blueish green algae on the surface and streaks of a florescent green algae in the water column. Water quality associated with RQ-2021-07-26-15							
Field ID: G3NW0449			Coordinates:		30.39377 N, 86.47302 W					
			Collection Equip:		Sample Bottle					
WIN ID: G3NW0449			High Tide Time:		Low Tide Time:					
Matrix:	Freshwater	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)
7/29/2021	1030	45.9	3.52	29.2	6.22	0.3	1.2	1.0	171	0.08
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: blueish green globs ☐ N/A						
Algae Distribution	☒ Suspended in water column		☒ On surface	☐ Other: ☐ N/A						
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	C				
Chlorophyll (BP-1L)	☐ CHLSUITE-W		☐ Ice							
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					
	Acid Lot:		Exp:							
Filtered Nutrients (P125mL)	☐ W-PO4-F	☐ Field Filtered 0.45µm Filter		☐ Ice						
	Filter Lot #									
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C		☐ Ice	Lugols? Y / N						
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
S.Slade	7/29/20 1630	2 UPS								



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

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

RQ - 2021-06-21-53		Collected By:		Nathan Mulkey, Stopher Slade	
Customer:	NW District	Field Report Prepared By:		Stopher Slade	
Project ID:	Algal Bloom Response	Sampling Agency:		FDEP NWROC	
Location: Coleman Lake			Comments: Coleman Lake had specks of a green algae in the water column, so much so that it clouded the water and reduced visibility and increased turbidity. Water quality associated with RQ-2021-07-26-15		
Field ID: G3NW0216			Coordinates:		30.40236 N, 86.48003 W
			Collection Equip:		Sample Bottle
WIN ID: G3NW0216			High Tide Time:		Low Tide Time:
Matrix:	Freshwater	Grab	Tide:		☐ Rising ☐ Falling ☐ Slack ☒ N/A
Water Quality					
Date	Time ☐ EST ☒ CEN	D.O. (%)	D.O. (mg/L)	Temp (°C)	pH (SU)
7/29/2021	1105	126.4	9.65	29.6	8.12
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: _____ ☐ N/A	
Algae Distribution	☒ Suspended in water column		☐ On surface	☐ Other: _____ ☐ N/A	
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	☐ Other: _____
Parameter Suite	Parameter Methods		Preservation		pH Check
Bloom ID (PT-50mL)	☒ BLOOM-ID		☒ Ice		#Bottles Sent to Lab
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		
Preserved Nutrients (500mL HDPE)	Acid Lot:		Exp:		
Filtered Nutrients (P125mL)	☐ W-PO4-F		☐ Field Filtered 0.45um Filter		☐ Ice
			Filter Lot #		
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C		☐ Ice		Lugols? Y / N
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time
S.Slade	7/29/20 1630	2 UPS			

Date of Request: 15-JUN-2021
Created By: KING_M On: 15-JUN-2021
Modified By: WATTS_J On: 29-JUL-2021
Customer: WQAP
Project: BLOOM-RESP
Division: Division of Environmental Assessment and Restoration
District: Northwest
Event Description: Algal Bloom Response - NW ROC - Twin Lakes

Send Coolers To:

Phone: 850-595-0605
160 W Government St
Suite 208
Pensacola, FL 325602
Attn: Michael King
Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 1
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 29-JUL-2021
Biology Request Reviewed By: WATTS_J On: 29-JUL-2021
Sampling Kit Required: NO Ship on:
Sampling Kit Shipped:
Sampling Kit Packed By:
Preservatives Needed: NO
Date to Receive Samples: 21-JUN-2021
Logged In By: REYNOLDS_T On: 30-JUL-2021

Send Final Report To:

2600 Blair Stone Rd
MS #6511
Tallahassee, FL 32399-2400
Attn: Nia Wellendorf
Report Notification EMail:
michael.king@dep.state.fl.us;myranda.k.butler@floridaDEP.gov;
alicia.hogue@dep.state.fl.us;Nijole.Wellendorf@FloridaDEP.gov;
amelia.rankin@floridadep.gov

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

Group A - Priority 1 - toxin testing contract lab
Group B - 2 MCYST
Group C - 2 BLOOM-ID

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-250ML-WDMTH Number of Bottles: 1 Preserved With: ICE
OV-TOXN-LC Template: MATLACHA (EPA 545) Algal Toxins by EPA 545 LC/MS/MS using Greenwater Laboratory

Bottle Group B (Water) With 2 Samples:

Bottle Type: BG-250ML-WDMTH Number of Bottles: 2 Preserved With: ICE
W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Group C (Biological) With 2 Samples:

Bottle Type: PT-50ML Number of Bottles: 2 Preserved With: ICE
BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

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