Request Number: RQ-2022-06-06-69

Algal Bloom Response - TLHROC

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Michael Eckles

Collected By: Woods / Burtcheft

Field Report Prepared By: Jon Woods

Sampling Agency: 21FCTLHR

Location

WIN ID / Field ID → TLHRHAB0012

Field ID: KIT: Algal Bloom

WIN/STORET #: **Location**

Latitude: **Lake Munson Inlet**

☐ dd ☐ dms

Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 6/28/22 Time 840 ☒ Eastern ☐ Central | Composite end Date Time | Bottle Group(s) (See pg 2): A/B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 4.14 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 26.7 | pH 7.09 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 123.6

Salinity (ppt) 0.06 | Comments

Location Lake Munson North Lobe

Field ID: TLHRHAB0013

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 6/28/22 Time 850 ☒ Eastern ☐ Central | Composite end Date Time | Bottle Group(s): A/B

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.13 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 29.2 | pH 6.91 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 63.0

Salinity (ppt) 0.03 | Comments

Location

Field ID

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time ☐ Eastern ☐ Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Location

Field ID

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time ☐ Eastern ☐ Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
JW	6/28/22	HD	1	TM	6/28/22 14:55

Effective Date: 12/17/2019
Revision Date: 12/16/2019
Revision Author: C. Swanson

AB-FIELD-1.0

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

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

RQ-2022-06-06-69		Collected By:	Woods/Burtchett
Customer:		Field Report Prepared By:	Jon Woods
Project ID:	Algal Bloom Response	Sampling Agency:	21FLTLHR
Location: Lake Munson Inlet		Comments:	
Field ID:		Coordinates:	30°22'N
		Collection Equip:	sample bottle
WIN ID: TLHRHAB0012		High Tide Time:	Low Tide Time:
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)
6/28/22	840	53.5	4.14	28.7	7.09	0.3	1.6	1.6	123.6	0.06
		27.4	2.12	28.6	6.60	1.1			122.6	0.06

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		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
	Acid Lot: 132275	Exp: 12/7/22			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45um Filter, Filter Lot # 17347862 ☒ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice	Lugols? Y / N		

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
JW	6/28/22	1		

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

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RQ- 2020-0602-69		Collected By:	Woods / Burtchett
Customer:		Field Report Prepared By:	Jon Woods
Project ID:	Algal Bloom Response	Sampling Agency:	FIELDLAB
Location: Lake Munson North Lobe		Comments:	
Field ID:		Coordinates:	30° 22'N 84° 18'W ± 7.8 m
		Collection Equip:	Sample bottle
WIN ID: TLHRHAB0013		High Tide Time:	Low Tide Time:
Matrix: Fresh	Grab	Tide:	☐ Rising ☐ Falling ☐ Slack ☒ N/A

Water Quality

Date	Time	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)
6/28/22	☒ EST ☐ CEN									
~~850~~ 2N	850	~~45~~ 2N 73.4	5.63	29.2	6.91	0.3	0.6	0.3	63.0	0.03
~~2N~~	~~2N~~									

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		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
	Acid Lot: 132275	Exp: 12/7/22			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45um Filter, Filter Lot # 173472K2 ☒ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice	Lugols? Y / N		

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time