



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

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

Station Visit
84099

RQ - 2021-03-15-36		Collected By: Blair/Fitzgerald	
Customer:		Field Report Prepared By: Paul Blair	
Project ID: HAB		Sampling Agency: 21TLHROC	
Location: Lake Munson - East Side		Comments:	
Field ID: TLHRHAB0010 CU TLHHAB0010 - Lake Munson I		Coordinates: 30.3688 / -84.3028	
WIN ID: TLHHAB0010 TLHRHAB0010		Collection Equip: Sample Kit	
Matrix: Fresh		High Tide Time: _____ Low Tide Time: _____	
☒ 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)
5-5-22	15:25	14.75	195.7	29.5	9.91	0.3	1.4	1.4	132.1	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	B
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	A
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☐ H2SO4	☐ <2		A
	Acid Lot: 1286110	Exp: 12-1-22			
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45µm Filter	☒ Ice		1	A
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice	Lugols? Y / ☒ N		
Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time	

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: 153484

RQ:

Project: HAB

- 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 4/22

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.	T. Fitzgerald	5-5-22	14:32	23.0	8.6	8.55	8.55	99.5	—	1.08	P/F	L/F
ICV	"	"	14:33	23.1	756.4	8.55	8.55	99.8	—	—	P/F	L/F
CCV	Paul Blair	"	16:10	32.5	755.4	7.2	7.31	101.1		"	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.	T. Fitzgerald	5-5-22	14:34	210817J	8/22	1000	1000	P/F	L/F
ICV	"	"	14:35	1103B57	3/23	100	96.4	P/F	L/F
CCV	Paul Blair	"	16:11	210817J	8-22	1010	987	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.	T. Fitzgerald	5-5-22	14:36	201209F	6/22	7.07	22.8	7.01	-25.0	P/F	L/F
Calibr.	"	"	14:37	210513B	11/22	4.0	22.8	4.00	148.4	P/F	L/F
Calibr.	"	"	14:38	201209C	6/22	10.04	22.8	10.03	-184.4	P/F	L/F
ICV	"	"	14:39	"	"	10.04	22.8	10.01	-186.2	P/F	L/F
CCV	Paul Blair	"	16:13	210513B	11/22	4.0	23.9	4.09	143.5	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 10 152.4, slope from 4 to 7 173.4 (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: 4/22

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	T. Fitzgerald	5-5-22	14:41	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:

