



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

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

RQ - 2023-02-13-15		Collected By:		Katrin Villinger, Katherine Halbert						
Customer:	WQMP	Field Report Prepared By:		Katherine Halbert						
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC						
Location: Black Creek @ SR-17			Comments:							
Field ID: NEHAB0035			Coordinates:	30.04207, -81.71219						
WIN Secondary Resource Type: River/Stream			Collection Equip:	WaterBottle						
WIN ID:NEHAB0035			High Tide Time:	13:07	Low Tide Time: 07:28					
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)
02/20/2023	10:25	78.6	7.47	17.8	6.84	0.3	1.11	0.5	274.7	0.13
	10:32	78.7	7.51	17.6	6.88	0.61			302.9	0.14
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	C
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	C
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1	C
		Acid Lot:		SA2299040		Exp:		11/04/23		
Filtered Nutrients (P125mL)		☒ W-PO4-F		☒ Field Filtered 0.45um Filter		☒ Ice			1	C
				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		02/20/2023 16:30		1						

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: Bruce

RQ: 2023-02-13-15

Project: 202 Bloom

- 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 2/19/23

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.	K. Halbert	2-20-23	751	20.2	764.3	9.1	—	100.6	—	1.0214	Ⓟ/F	Ⓚ/F
ICV	K. Halbert	2-20-23	753	20.1	764.4	9.1	9.16	100.8	—	1.0214	Ⓟ/F	Ⓚ/F
CCV	K. Halbert	2-20-23	1533	21.0	760.2	8.9	8.89	99.7	—	1.0214	Ⓟ/F	Ⓚ/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.	K. Halbert	2-20-23	755	221028A	11/2023	1000	1000	Ⓟ/F	Ⓚ/F
ICV	K. Halbert	2-20-23	758	220719B	07/2023	100	99.9	Ⓟ/F	Ⓚ/F
CCV	K. Halbert	2-20-23	1534	221028A	11/2023	1000	998	Ⓟ/F	Ⓚ/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.	K. Halbert	2-20-23	800	M118-15	5/2/24	7.02	20.6	7.02	-12.2	Ⓟ/F	Ⓚ/F
Calibr.	K. Halbert	2-20-23	816	M188-01	7/11/24	4.00	20.6	4.00	164.1	Ⓟ/F	Ⓚ/F
Calibr.	K. Halbert	2-20-23	817	M334-14	11/24/24	10.05	20.6	10.05	-184.1	Ⓟ/F	Ⓚ/F
ICV	K. Halbert	2-20-23	821	M188-01	7/11/24	4.00	20.5	3.98	164.5	Ⓟ/F	Ⓚ/F
CCV	K. Halbert	2-20-23	1540	M118-15	5/2/24	7.02	21.3	7.01	-9.9	Ⓟ/F	Ⓚ/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 10 171.9, slope from 4 to 7 176.3 (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: 2/19/23

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	K. Halbert	2-20-23	828	0.000	0.002	Ⓟ/F	Ⓚ/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: