



Cyanobacteria Bloom Response Field Data Sheet (2023-06-12 v1)

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

RQ - 2023-05-22-64				Collected By:		Jeremy Parrish, Katherine Halbert					
Customer:		NE-DIST		Field Report Prepared By:		K VILLINGER					
Project ID:		BLOOM_RESP		Sampling Agency:		NEROC					
Location: Lake Eaton - Ocala Conservation Center Dock				Comments: At site for SMP samples and noticed bloom. Only took BLOOM-ID and W-MCYST-AA. SMP samples included a nutrient kit. SMP samples: RQ-2023-07-03-37							
Field ID: NEHAB0105				Coordinates:		29.26249, -81.86763					
WIN Secondary Resource Type: Lake				Collection Equip:		WaterBottle					
WIN ID: NEHAB0105				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 (PPT)	
07/13/2023	10:30	80.1	6.09	29.7	7.07	0.3	1.6	0.4	169	0.08	
	10:33	27.5	2.2	27.8	6.61	1.1			156	0.07	
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	
Algae (PT-50mL)		☐ ALGAL-ID ☒ BLOOM-ID				☒ Ice			1	A	
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice					
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☐ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	E	
Physical/Aggregate		☐ W-COLOR				☐ Ice					
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 0.45um Filter		☐ Ice					
				Filter Lot #							
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols					
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time			
K VILLINGER		07/13/2023 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: 15E Bruce

RQ: 2023-07-07 37

Project: 5MP L-1 Ormond Ecol.

- 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 5/23/23

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.	JPamsh	7/13/23	745	20.0	761	9.1	9.1	100.1	—	1.019	Ⓟ/F	Ⓟ/F
ICV	L	7/13/23	747	20.0	761	9.1	9.1	100.1	—	1.019	Ⓟ/F	Ⓟ/F
CCV	JPamsh	7/13/23	1546	21.9	769	8.7	8.7	99.6	—	—	Ⓟ/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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	JPamsh	7/13/23	750	230131B	2/24	1000	1000	Ⓟ/F	Ⓟ/F
ICV	L	7/13/23	751	230131A	2/24	100	100098	Ⓟ/F	Ⓟ/F
CCV	JPamsh	7/13/23	1542	230131D	2/24	15000	15135	Ⓟ/F	Ⓟ/F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	JPamsh	7/13/23	752	M241-15	9/24	7.	20.7	7.00	-21.5	Ⓟ/F	Ⓟ/F
Calibr.	L		753	M241-22	8/24	4.	20.8	4.00	158.0	Ⓟ/F	Ⓟ/F
Calibr.	L		754	M203-05	7/24	10.	20.8	10.03	187	Ⓟ/F	Ⓟ/F
ICV	L		755	M241-22	8/24	4.	20.8	4.07	151	Ⓟ/F	Ⓟ/F
CCV	JPamsh	7/13/23	1545	M203-05	7/24	10	20.5	10.02	192	Ⓟ/F	Ⓟ/F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 176.5, slope from 4 to 7 178.5 (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: 5/30/23

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	JPamsh	7/13/23	756	0.00	0.00	Ⓟ/F	Ⓟ/F

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

COMMENTS: