

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: ProDSS Stitch RQ: 2021-03-01-71 Project: Algae Response

- 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 2/15/21

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 McDonald	3.4.21	1007	20.9	762.9	9.0	-	100.4	-	1.033	P/F	L/F
ICV			1010	21.1	762.8	8.9	8.93	100.5	-	1.033	P/F	L/F
CCV	Brian Davis		1705	20.6	760.1	9.0	9.02	100.4	/	1.033	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	K McDonald	3.4.21	1015	201222B	01/22	1000	1000	P/F	L/F
ICV			1019	200902A	09/21	100	102.9	P/F	L/F
CCV	Brian Davis		1706	201222B	01/22	1000	995	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.	K McDonald	3.4.21	1022	2006F52	06/22	7.01	22.0	7.01	-20.6	P/F	L/F
Calibr.			1026	2912B71	12/21	4.00	21.9	4.00	143.3	P/F	L/F
Calibr.			1028	2006E28	12/21	10.03	22.0	10.04	-194.3	P/F	L/F
ICV			1029	2912B71	12/21	4.00	21.9	4.01	146.0	P/F	L/F
CCV	Brian Davis		1708	2006F52	6/22	7.01	22.5	6.98	-22.2	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 _____, slope from 4 to 7 _____ (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: 2/15/21

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 McDonald	3.4.21	1030	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:



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

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

RQ- 2021-03-01-71	Collected By:	B. Davis & K. McDonald
Customer:	Field Report	
21FLA	Prepared By:	K. McDonald
Project ID:	Sampling Agency:	FDEP NEROC
Algae Response		

WIN ID/Field ID:



HABNE0013

Comments:

resident is concerned about recent rain; agricultural practices in area
algae looks like grass clippings + kind of filamentous

Lake Winnott @ 147 Bakers Acres

Coordinates: 29.651150, -82.047180

Collection Equip: sample bottle & pole

WIN ID: HABNE0013 NEHAB0014

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 (PPTH)
3-4-21	1315	94.5	8.71	19.3	5.95	0.3	2.27	1.7	50.2	0.02
		93.4	8.64	19.1	5.96	1.7	1.7 km		50.1	0.02

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:
Algae Distribution	☒ Suspended in water column	☒ On surface	☐ Other:	
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical

Contains Conc. H2SO4
Lot No. SA0293040
Expires: 10/19/21
See Safety Data Sheet (SDS)

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:	Exp:				
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter	☒ Ice		1	B
	Filter Lot #	R0NB35407			1	B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice	Lugols? Y/(N)		1	B
Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time		
Kelly McDonald	3-4-21 1600	1				

