

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: Pro DSS Bruce

RQ: 2021-05-17-16

Project: SMP Pellicer +

Tribs

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

5/17/21

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	6/3/21	0728	23.2	761.9	8.6	-	100.2	-	1.039	P/F	L/F
ICV	↓	↓	0729	23.2	761.9	8.6	8.58	100.4	-	1.039	P/F	L/F
CCV	B Davis	↓	1623	21.3	761.1	8.9	8.84	99.7	/	1.04	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	6/3/21	0731	201222B	01/2022	1000	1000	P/F	L/F
ICV	↓	↓	0735	200902C	09/2021	1413	1403	P/F	L/F
CCV	B Davis	↓	1626	201222A	1/22	100	102.6	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	6/3/21	0739	2010F27	10/2022	7.00	23.6	7.00	-24.0	P/F	L/F
Calibr.	↓	↓	0741	2103G59	03/2023	4.00	23.6	4.00	145.0	P/F	L/F
Calibr.	↓	↓	0745	2103F53	09/2022	10.02	23.2	10.02	-189.1	P/F	L/F
ICV	↓	↓	0749	2103G59	03/2023	4.00	23.6	4.00	145.0	P/F	L/F
CCV	B Davis	↓	1627	2010F27	10/22	7.01	22.2	7.01	-23.0	P/F	L/F
CCV	↓	↓	1629	2103F53	9/22	10.02	22.3	10.03	-190.5	P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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: 5/17/21

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	6/3/21	0750	0.000	000	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:

Also applies to RQ-2021-05-17-37



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

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

RQ - 2021-05-17-37		Collected By: K. McDonald & B. Davis	
Customer: 21FLA	Field Report Prepared By: K. McDonald		
Project ID: Algae Response	Sampling Agency: FDEP NEROC		
Location: Lake Myra @ 202 Baker Rd		Comments: cloudy, no rain water → dijon mustard color all over lake, throughout water column, no obvious source	
Field ID:		Coordinates: 29.55227, -81.65333	
		Collection Equip: pole + sample bottle	
WIN ID: NEHAB0019	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)
6/3/21	0920	124.1	9.63	28.0	8.95	0.3	1.391	0.3	69.5	0.03

Bloom Observations					
Algal Bloom Observed? ☒ Yes ☐ No					
Water Surface	☒ Clear	☐ Scum	☐ Globbs	☐ Slick	
Water Clarity	☐ Clear	☐ Slightly Turbid	☐ Turbid	☒ Opaque	
Bloom Color	☐ Green	☐ Red	☐ Brown	☒ Other: greenish-tan ☐ 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	BA km
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	BA km
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	B
	Acid Lot: SA0353110	Exp: 11/11/2022			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter	☒ Ice		
		Filter Lot # R0NB29490		1	B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice	Lugols? Y/(N)	1	B

Relinquished By: B-D	Date/Time: 1600 6/3/21	Number of Coolers Shipped: 1	Received By:	Date/Time:
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