

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: 155077

RQ: 2020-02-03-37

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 6/4/20

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.	Mike King	8/3/2020	0850	26.6	760.0	8.8	7.85	97.7			(P) F	(L) F
ICV	↓	↓	0852	26.5	760.0	8.0	8.04	100.0			(P) F	(L) F
CCV	C. Hode	8/3/2020	1445	27.2	758.8	7.9	8.12	102.7			(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.	m	8/3	0855	190618C	01/2020	10000	9999	(P) F	(L) F
ICV	↓	↓	0857	200124B	02/2021	1000	1005	(P) F	(L) F
CCV	S. Hode	8/3/20	1650	200124A	02/2021	100	104.7	(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.	m	8/3	0900	2904882	03/2021	7.00	27.9	7.03	-35.0	(P) F	(L) F
Calibr.	↓	↓	0901	4902525	02/2021	4.01	27.7	4.03	138.9	(P) F	(L) F
Calibr.	↓	↓	0902	4904E09	09/2020	10.01	27.7	9.97	-208.2	(P) F	(L) F
ICV	↓	↓	0905	4902525	02/2021	4.0	27.8	4.01		(P) F	(L) F
CCV	S. Hode	8/3	1655	2904882	03/2021	7.0	24.1	7.06	-32.0	(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: 6/4/20

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	m King	8/3	0910	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 - 2020-02-03-37		Collected By: M. King								
Customer: NWQAP	Field Report Prepared By: S. Slade									
Project ID: BLOOM-RESP	Sampling Agency: FDEP NWROE									
Location:		Comments: 4140 Galiano Court Chipley 32428								
Field ID	 HAB_BOAT_LAKE WIN ID NWHAB0009									
Location: Boat Lake		Coordinates: 30.53280 -85.60429								
WIN ID:		Collection Equip: sample bottles								
Matrix: Surface water	Grab	High Tide Time:	Low Tide Time:							
		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)
8/3	1150	111.2	8.07	32.2	5.71	0.3	2.5	1.5	11.9	0.00
	1158	111.1	8.18	31.4	5.93	2.0	2.5	1.5	11.8	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				
Chlorophyll (BP-1L)	☒ CHLSUITE-W		☒ Ice			1				
Toxins (BG-WD250)	☒ W-MCYST-AA		☒ Ice			1				
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice		☒ H2SO4	☒ <2				
Preserved Nutrients (500mL HDPE)	Acid Lot: 9354056		Exp: 12/20/20							
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☐ Ice	1				
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☒ Ice		Lugols? Y/N	1				
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time				
MIKE ECKLES	8/3	1								