

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 RO: 2024-08-05-41 Project: Algae Resp. swimming

pen

- 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 7/2/24

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.	Kotten Williams	8/1/24	835	23.3	764	8.6	8.58	100.5	-	1.02	(P) F	(L) F
ICV	↓	↓	837	23.2	764	8.6	8.59	100.5	-	1	(P) F	(L) F
CCV	↓	↓	1306	24.3	764	8.4	8.35	100.0	-	1	(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 Williams	8/1/24	836	240618A	6/2025	1000	1000	(P) F	(L) F
ICV	↓	↓	841	240618B	6/25	1413	1410	(P) F	(L) F
CCV	↓	↓	1310	231110	11/24	15000	15091	(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 Williams	8/1/24	845	43110047	11/3/25	7.01	23.5	7.01	-34.5	(P) F	(L) F
Calibr.	↓	↓	849	44040045	4/8/26	4.00	23.4	4.00	142.1	(P) F	(L) F
Calibr.	↓	↓	852	44020286	2/27/26	10.01	23.6	10.01	-204.9	(P) F	(L) F
ICV	↓	↓	855	44040045	4/8/26	4.00	23.4	4.06	138.1	(P) F	(L) F
CCV	↓	↓	1313	44020286	2/27/26	10.02	22.9	10.00	-204.7	(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 10 170.4, slope from 4 to 7 176.6 (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: 7/2/24

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 Williams	8/1/24	856	0.000	0.000	(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:



Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

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

Meter Passed

End of Day CCV

Yes / No

RQ - 2024-08-05-41		Collected By:		Katrin Villinger								
Customer:	NE-DIST		Field Report Prepared By:		K VILLINGER							
Project ID:	BLOOM_RESP		Sampling Agency:		NEROC							
Location: Swimming Pen Creek - Whiteys Fish Camp					Comments:							
Field ID / WIN ID: NEHAB0074					Coordinates:		30.10085, -81.74624					
WBID:					Collection Equip:		WaterBottle					
WIN Secondary Resource Type: River/Stream					High Tide Time:		10:18		Low Tide Time:		17:07	
Matrix:	Marine		Grab		Tide:		☒ Rising ☐ Falling ☐ Slack ☐ N/A					
Water Quality		Meter ID:		Bruce			Secchi ID:					
Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPT _h)		
08/01/2024	10:40	3.55	49.5	31.3	7.39	0.3	0.58	0.58	10136	5.66		
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			1	B		
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	B		
Physical/Aggregate		☒ W-COLOR				☒ Ice			1	B		
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1	B		
		Acid Lot:		SA3340020		Exp:		12/11/2024				
Filtered Nutrients (P125mL)		☒ W-PO4-F		☒ Field Filtered 0.45um		Filter Lot #		0000222915		☒ Ice		
						Syringe 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		08/01/2024 16:30		1								

Cyanobacteria Bloom Response Data Handling Addendum

RQ-	2024-08-05-41	Date	08/01/2024
Field ID	NEHAB0074	Time	10:40
Location	Swimming Pen Creek - Whiteys Fish Camp		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-08-02-01WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)(Initials/Date)

Scan/Save Field Sheets 8/1/24 KVMigrate Data to WIN:Verify Data In WIN:

(Initials/Date)(Initials/Date)(Initials/Date)