CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

2021-04-19-47

Meter ID: Stitch RQ- 2021-04-12-41 Project: Pelican CIN/HAB

Boldly "X" this box if there are qualified data on this page.

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

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.	Brian D.	4/15/21	753	21.8	760.2	8.8	—	100.0	—	1.03	(P) / F	(L) / F
ICV			754	22.0	760.2	8.7	8.75	100.1	—	1.03	(P) / F	(L) / F
CCV			1701	22.1	756.8	8.7	8.65	99.6	—	1.03	(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian D.	4/15/21	757	201222B	1/22	1000	1000	(P) / F	(L) / F
ICV			759	201222A	1/22	100	103.3	(P) / F	(L) / F
CCV			1707	200407B	4/21	20,000	19605	P / F	L / 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.	Brian D.	4/15/21	806	2010F27	10/22	7.01	23.6	7.01	-19.5	(P) / F	(L) / F
Calibr.			813	2010C31	9/22	4.00	23.5	4.00	157.7	(P) / F	(L) / F
Calibr.			820	2012797	5/22	10.01	23.6	10.02	-192.3	(P) / F	(L) / F
ICV			825	2010F21	10/22	7.04	23.5	7.03	-19.1	P / F	L / F
CCV			1710	2010C31	9/22	4.00	23.4	4.00	157.0	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 ± 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: _____
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	Brian D.	4/15/21	830	0.00	0.00	(P) / F	(L) / F

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

COMMENTS:

Form effective August 1, 2018

Cyanobacteria Bloom Response Field Data Sheet

~~RQ-2019-~~ 2021-04-19-47		Collected By:	BD KM
Customer	21FLA	Field Report Prepared By:	BD
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP
Field ID:		Comments:	Visit #4

WIN ID/Field ID: NEHAB0014

Lake Winnott @
147 Bakers ~~Achers Dr~~ Acres DR

		Collection Equipment:	Ortho kit #44
Matrix:	SW (Grab)	Coordinates:	
Tide:	☐ Rising ☐ Falling ☐ Slack ☑ N/A	High Tide Time:	— Low Tide Time: —

Water Quality

Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
4/15/21	1145	8.08	96.7	24.5	7.04	0.3	51.0	0.02	1.4	2.2
	1148	6.53	73.9	21.4	7.15	1.7	51.4	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	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	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
	Lot RO SA0293040	Exp: 10/19/21	☑ <2		
Filtered Nutrients (P125mL)	☑ W-PO4-F ☑ Field Filtered 0.45um Filter RON835407	☑ Ice		1	B
Quantitative Algae	☑ DTY-QN-C / PKD-QN-C	☑ Ice ☑ Lugols		1	B

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
B P	4/15/21 1600	1		