

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 MOVE

RQ: 2023-07-10-54

Project: Bloom Riser

- 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

4/19/23

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.	BARNINGTON	7/5/23	0825	21.8	758.7	8.7	8.74	100.2	-	1.06	P/F	L/F
ICV	↓	↓	0827	21.9	758.6	8.7	8.74	99.8	-	-	P/F	L/F
CCV	BARNINGTON	7/5/23	0828	21.8	758.7	8.7	8.74	100.2	-	1.06	P/F	L/F
CCV		7/5/23	1530	24.2	757.8	8.2	8.31	99.1	-	-	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.	BARNINGTON	7/5/23	0829	4207M90	7/24	2500	2500	P/F	L/F
ICV	↓	↓	0831	230217B	2/24	100	102.1	P/F	L/F
CCV	2230	7/5/23	0832	2042055	1/24	100	102.1	P/F	L/F
CCV	BARNINGTON	7/5/23	1535	2209K36	9/24	50,000	49558	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.	BARNINGTON	7/5/23	0833	2208C34	8/24	7-	21.1	7.02	-	P/F	L/F
Calibr.	↓	↓	0835	2301E22	1/25	4-	21.0	4.00	-	P/F	L/F
Calibr.	↓	↓	0837	2301D38	7/24	10-	21.0	10.11	-	P/F	L/F
ICV			0839	2301E22	1/25	4-	21.0	3.96	-	P/F	L/F
CCV	11.01 2.05	7/5/23	0840	2201085	1/24	10-	21.2	9.91	-	P/F	L/F
CCV	BARNINGTON	7/5/23	1540	2301D38	7/24	10-	21.2	9.91	-	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: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEPGRIVER Date of last verification: 2/1/23

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						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: