

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

Meter ID: PRO MOVE

RQ- 2020-10-19-20

Project: SMP Wilderness

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 06/08/20

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.	Chris Hornuth	10/20/20	0745	755.9	24.3	8.34	99.5	99.4		1.06	P/F	L/F
ICV	↓		0746	23.8	756.0	8.37	99.2	99.2			P/F	L/F
CCV	11		1614	23.7	755.3	8.4	8.59	101.2			P/F	L/F
CCV	11										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75. 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.	Chris Hornuth	10/20/20	0727	1003A23	02/22	2500	2500	P/F	L/F
ICV	↓		0730	1006706	05/22	100	103.3	P/F	L/F
CCV	11		1608	290948	09/21	50000	49540	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.	Chris Hornuth	10/20/20	0733	202114	05/22	7.000	24.1	7.01	-41.4	P/F	L/F
Calibr.	↓		0736	200052	02/22	4.008	24.1	4.00	138.3	P/F	L/F
Calibr.	↓		0739	197602	01/22	10.023	24.1	10.01	-213.2	P/F	L/F
ICV	↓		0742	200052	02/22	4.008	24.0	3.92		P/F	L/F
CCV	11		1611	197602	01/22	10.03	23.09	9.1		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:
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEP BLUE; Date of last verification: 07/07/20

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: