

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: SNEK

RQ: 2020-03-02-70

Project: SWP: Wilderness

- 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 1/24/20

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.	Gary Sward	3/16/20	0721	23.0	762.1	8.6	8.59	100.3		-78.9	P/F	L/F
ICV	"	"	0723	23.1	762.1	8.6	8.58	100.2			P/F	L/F
CCV	Nicole Reistad	03/16/20	1643	24.2	760.9	8.4	8.39	100.0			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.	Gary Sward	3/16/20	0724	2912745	11/21	10,000	10,000	P/F	L/F
ICV	"	3/16/20	0731	2907848	7/21	500	506	P/F	L/F
CCV	Nicole Reistad	03/16/20	1635	2909C48	09/21	50,000	48,815	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.	Gary Sward	3/16/20	0730	195339	08/21	7.00	24.7	7.01	-90.0	P/F	L/F
Calibr.	"	"	0745	196401	9/21	4.00	24.9	4.01	83.4	P/F	L/F
Calibr.	"	"	0748	196994	11/21	10.00	24.8	10.0	-262.7	P/F	L/F
ICV	"	"	0754	196401	9/21	4.00	24.9	3.99		P/F	L/F
CCV	Nicole Reistad	03/16/20	1637	196994	11/21	10.02	24.1	10.16		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 10 177.7, slope from 4 to 7 173.4 (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) Serchi Disk Line / Sonar Unique ID: 1000000000 Date of last verification: 12/20/19

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: