

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 M00-C

RQ: 2019-03-25-62

Project: SCC: Strand Creek

- 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 03/17/19

DO DEP SOP FT 1500	Name	Date	Time ET-ET	Temp °C	Baro meter mbar	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Gary Sward	3/27/19	0725	24.5	756.2	8.34	8.44	100.9	N/A	1.04	(P) F	(L) F
ICV	II	3/27/19	0729	24.3	756.1	8.54	8.84	100.9	N/A		(P) F	(L) F
CCV	N. Reistad	03/27/19	1449	25.4	756.4	8.15	8.19	99.9	N/A		(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 ET-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Gary Sward	3/27/19	0719	2808E90	8/20	1000	994	(P) F	(L) F
ICV	Gary Sward	3/27/19	0723	2812AG5	12/20	100	103.2	(P) F	(L) F
CCV	N. Reistad	03/27/19	1441	2808E90	08/20	1000	988	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time ET-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Gary Sward	3/27/19	0736	187681	11/20	6.99	24.9	7.00	-30.6	(P) F	(L) F
Calibr.	Gary Sward	3/27/19	0740	187188	11/20	4.01	24.9	4.01	148.3	(P) F	(L) F
Calibr.	Gary Sward	3/27/19	0742	186877	10/20	10.01	25.2	10.00	205.8	(P) F	(L) F
ICV	Gary Sward	3/27/19	0745	187188	11/20	4.01	24.9	3.97		(P) F	(L) F
CCV	N. Reistad	03/27/19	1444	186877	10/20	10.03	25.0	9.96		(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 10 175.2, slope from 4 to 7 178.9 (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: 12/26/18

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Deep Blue; Date of last verification: 12/26/18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time ET-ET	Calibrated Value (0.00 or Onset) 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: