

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 M015

RQ: 2019-03-11-63

Project: Corn Creek CM

- 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 12/26/18

DO FDEP SOP FT 1500	Name	Date	Time (M:ET)	Temp. °C	Bare meter reading	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Barrington	3/12/19	0711	24.7	759.0	8.31	8.31	99.9	—	1.035	P/F	L/F
ICV	↓	↓	0713	24.8	758.9	8.29	8.30	100.1	—	—	P/F	L/F
CCV	Barrington	3/12/19	1535	24.3	757.8	8.37	8.44	100.6	—	—	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 (M:ET)	Lot #	Expir. Date	Standard (μ mhos/cm)	Meter Reading (μ mhos/cm)	Pass / Fail	Lab / Field
Calibr.	Barrington	3/12/19	0715	2809D50	9/20	10000	10000	P/F	L/F
ICV	↓	↓	0717	2811B60	11/20	50,000	50,128	P/F	L/F
CCV	Barrington	3/12/19	1538	2808E90	8/20	1000	1019	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time (M:ET)	Lot #	Expir. Date	pH Buffer SU	Temp. °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Barrington	3/12/19	0719	187861	11/20	6.99	25.6	7.00	-22.6	P/F	L/F
Calibr.	↓	↓	0721	187827	11/20	4.01	26.1	4.01	155.2	P/F	L/F
Calibr.	↓	↓	0723	186877	10/20	10.00	25.9	9.99	-198.11	P/F	L/F
ICV	↓	↓	0725	187827	11/20	4.01	25.8	3.96	—	P/F	L/F
CCV	Barrington	3/12/19	1539	186877	10/20	10.01	24.9	10.10	—	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 10 175.5, slope from 4 to 7 178.3 (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: D660 BUE; Date of last verification: 12/26/18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time (M: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: