

CALIBRATION AND VERIFICATION LOG (FOEP SOP FT 1000-FT 1500, FO 1000-FO 4000)

Circle "Y" this box if there are qualified data on this page.

Meter ID: Pro DSS DCS RQ: 2020-12-21-38 Project: Plummer Crk

- 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 10/14/20

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.	K McDonald	12/22	0952	20.6	767.3	9.1	-	101.0	-	1.055	P/F	L/F
ICV		12/22	0955	20.8	767.4	9.0	9.05	101.1	-	1.055	P/F	L/F
CCV			1633	21.0	765.4	9.0	8.91	99.9	-	1.055	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	K McDonald	12/22	1000	200902B	09/21	1000	1000	P/F	L/F
ICV			1011	200902A	09/21	100	103.5	P/F	L/F
CCV			1635	200902C	09/21	1413	1406	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.	K McDonald	12/22	1017	2001C31	01/22	7.01	22.2	7.01	-35.8	P/F	L/F
Calibr.			1022	2006B06	05/22	4.00	21.9	4.00	149.1	P/F	L/F
Calibr.			1025	2006E2B	12/21	10.03	22.0	10.04	-200.6	P/F	L/F
ICV			1029	2006B06	05/22	4.00	21.9	3.99	146.9	P/F	L/F
CCV			1639	2001C31	01/22	7.01	22.2	7.09	-33.2	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: 10/14/20

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

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	K McDonald	12/22	1030	0.00	0.00	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: