

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: President Camacho

RQ- 2022-10-17-77

Project: Hatchet 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 10/10/22

DO DEP SOP FT 1500	Name	Date	Time C-E-T	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.	Monica Jaeger	10/19/22	701	21.9	760.8	8.8	8.76	100.1		1.025	P/F	L/F
ICV	Monica Jaeger	10/19/22	704	22.0	760.8	8.8	8.75	100.1			P/F	L/F
CCV	11	11	1154	19.9	763.4	9.2	9.19	100.9			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 C-E-T	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Monica Jaeger	10/19/22	704	2208A58	7/24	2500	2500	P/F	L/F
ICV	11	11	707	220309	3/23	50,000	49,621	P/F	L/F
CCV	11	11	1150	2112E28	12/23	100	104.2	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 3100	Name	Date	Time C-E-T	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Monica Jaeger	10/19/22	710	2205E54	5/24	7.02	21.6	7.02		P/F	L/F
Calibr.	11	11	711	2206A61	5/24	4.00	21.6	4.00		P/F	L/F
Calibr.	11	11	713	2204H72	10/23	10.04	21.8	10.04		P/F	L/F
ICV	11	11	710	2206A61	5/24	4.00	21.7	4.02		P/F	L/F
CCV	11	11	1158	2204H72	10/23	10.06	21.5	10.08		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: 3312A; Date of last verification: 8/29/22

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time C-E-T	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: