

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: President Amache RQ: 2023-09-18-49 Project: SMP: CRAIN CORRAL

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

7/17/23

DO	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
FT 1500	°C	meter	mg/L	mg/L		Charge	Gain		
Name	Date	Time	CT-ET	Lot #	Expir.	Standard	Meter	Pass	Lab
Spec. Cond.	FT 1200	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.
Samantha Galbraith	9/12/23	18.8	76.10	9.33	9.34	100.1	—	1.032	Field
ICV	↑	65.3	19.2	76.10	9.25	99.5	—	—	Field
CCV	9/12/23	1209	23.7	76.10	8.48	8.50	101.6	—	Field
CCV	9/12/23	1209	23.7	76.10	8.48	8.50	101.6	—	Field

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	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.	Calibr.
Samantha Galbraith	9/12/23	654	230267	275	2500	2500	101.3	—	Field
ICV	↑	65.6	220.765	7.124	100	101.3	—	—	Field
CCV	9/12/23	1212	230217A	274	50,000	49916	—	—	Field
CCV	9/12/23	1213	230607C	12/24	10.05	20.9	10.21	—	Field

Conductivity Acceptance criteria ± 5%

PH DPP SOP	Name	Date	Time	Lot #	Expir.	pH Buffer	Temp °C	Meter reading	mV	Pass /	Lab /
FT 1100			CT-ET			SU		SU		Fail	Field
Calibr.	Samantha Galbraith	9/12/23	658	230217E	8/12/24	7.02	9.1	7.03	-55.4	P / F	P / F
Calibr.				700	230607D	12/24	4.00	18.7	4.00	P / F	P / F
Calibr.				702	230607C	12/24	10.08	8.8	10.08	P / F	P / F
ICV				703	230607D	12/24	4.00	8.7	3.97	P / F	P / F
CCV	Samantha Galbraith	9/12/23	1213	230607C	12/24	10.05	20.9	10.21	—	P / F	P / F
CCV											
pH Acceptance criteria ± 0.2 SU: mV pH 7 Range 0 + 50: mV pH 4 Range 110 + 50: mV pH 10 Range 110 + 50:											

pH Acceptance criteria ± 0.2 SU; mv pH 7 Range 0 to 50; mv pH 4 Range +180 to 50; mv pH 10 Range -180 to 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: 8/14/23

Depth Sensor	Name	Date	Time	Calibrated	Offset, meters	ICV Value, meters	Pass / Fail	Lab / Field
(Daily Calibration & ICV)								
Pressure mode in air								
Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.								

COMMENTS:

Form effective August 1, 2018