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: Stitch RQ- 2023-11-27-24 Project: EATON CANYON

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 9/8/23

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.	H. Brown	11/15/23	740	21.6	765.0	8.9	—	100.4	—	1.071	(P) / F	(L) / F
ICV	H. Brown	11/15/23	742	21.5	765.0	8.9	8.91	100.9	—	1.071	(P) / F	(L) / F
CCV	JPamsh	11/15/23	1550	21.1	763	8.9	8.98	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 CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	H. Brown	11/15/23	745	230612B	06/2024	1000	1001	(P) F	(L) F
ICV	H. Brown	11/15/23	747	230131A	02/2024	100	99.6	(P) F	(L) F
CCV	JPamsh	11/15/23	1551	230612C	6/2024	50000	49850	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	H. Brown	11/15/23	750	43040117	4/24/25	7.01	21.7	7.04	-16.9	(P) F	(L) F
Calibr.	H. Brown	11/15/23	753	43041354	4/3/25	4.00	21.7	4.04	152.7	(P) F	(L) F
Calibr.	H. Brown	11/15/23	755	M334-14	11/29/24	10.03	21.7	10.04	-189.5	(P) F	(L) F
ICV	H. Brown	11/15/23	758	43041354	4/3/25	4.00	21.8	4.01	155.8	(P) F	(L) F
CCV	JPamsh	11/15/23	1552	M334-14	11/29/24	10.00	22.1	10.06	-191.0	(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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 173.1, slope from 4 to 7 173.1 (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: 9/8/23
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	H. Brown	11/15/23	800	0.00	0.00	(P) F	(L) F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: