

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: 2023-11-06-29

Project: LSJR Main

- 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	11/7/23	751	21.7	763.6	8.8	—	100.1	—	1.071	P/F	L/F
ICV	H. Brown	11/7/23	756	21.6	763.8	8.8	8.87	100.6	—	1.071	P/F	L/F
CCV	H. Brown	11/7/23	1244	21.9	762.6	8.8	8.83	100.8	—	1.071	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	H. Brown	11/7/23	758	230612B	06/2024	1000	997	P/F	L/F
ICV	H. Brown	11/7/23	802	230131A	02/2024	100	99.9	P/F	L/F
CCV	H. Brown	11/7/23	1245	230612C	06/2024	50000	50173	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.	H. Brown	11/7/23	804	43040117	4/24/25	7.01	22.2	7.08	-154.6	P/F	L/F
Calibr.	H. Brown	11/7/23	806	43041354	4/3/25	4.00	22.0	3.96	158.4	P/F	L/F
Calibr.	H. Brown	11/7/23	810	11334-14	11/29/24	10.04	22.0	10.06	-189.00	P/F	L/F
ICV	H. Brown	11/7/23	812	43041354	4/3/25	4.00	21.9	4.02	157.2	P/F	L/F
CCV	H. Brown	11/7/23	1248	11334-14	11/29/24	10.00	22.1	10.04	-188.9	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 10 174.4, slope from 4 to 7 173 (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	11/7/23	814	0.000	0.000	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: