

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: 1023-0116-14

Project: SMP LSTJR

- Notes: (1) Always wait for meter to stabilize before recording any readings. East Boat
 (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 11/14/22

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.	Katrin Villinger	1/26/23	730	20.6	764.2	9.0	—	100.6	—	1.067	(P) F	(L) F
ICV	↓	↓	736	20.5	764.4	9.1	9.05	100.5	—	1.067	(P) F	(L) F
CCV	K. Halbert	1/26/23	1525	20.6	764.5	9.0	9.01	100.0	—	1.067	(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.	K Villinger	1/26/23	739	221028A	11/23	1000	1000	(P) F	(L) F
ICV	↓	↓	742	220719B	7/23	100	99.6	(P) F	(L) F
CCV	K. Halbert	1/26/23	1527	220719C	07/2023	50000	499780	(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 Villinger	1/26/23	745	M118-15	5/2/24	7.02	21.2	7.02	38.3	(P) F	(L) F
Calibr.	↓	↓	748	M188-01	7/11/24	4.00	21.2	4.00	136.1	(P) F	(L) F
Calibr.	↓	↓	751	M103-01	4/19/24	10.04	21.0	10.04	210.3	(P) F	(L) F
ICV		↓	754	M188-01	7/11/24	4.00	21.2	4.01	135.7	(P) F	(L) F
CCV	K. Halbert	1/26/23	1556	M103-01	4/19/24	10.04	20.8	10.01	207.1	(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 10 172, slope from 4 to 7 174.4 (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: 11/14/22

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	Katrin Villinger	1/26/23	756	0.000	0.001	(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:

ccv conductivity not settling on value; sensor cleaned and ccv done again.