

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: The one

RQ: 2024-01-22-12

Project: SOGT ST 2402

- Notes: (1) Always wait for meter to stabilize before recording any readings. SMP: Land O' Lakes
 (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 1/7/24

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.	Monica Jaeger	2/8/24	644	17.9	766.0	9.56	9.57	100.8	—	1.032	(P) F	(L) F
ICV	"	"	646	17.9	768.8	9.56	9.57	100.8	—	—	(P) F	(L) F
CCV	Nicole Reistad	02/08/24	1630	18.3	764.6	9.47	9.53	101.1	—	—	(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.	Monica Jaeger	2/8/24	648	230217C	2/24	2000	2000	(P) F	(L) F
ICV	"	"	650	2306J21	6/25	100	102.0	(P) F	(L) F
CCV	Nicole Reistad	02/08/24	1623	2309J21	09/25	2500	2432	(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.	Monica Jaeger	2/8/24	652	230607B	12/24	7.02	19.3	7.03	—	(P) F	(L) F
Calibr.	"	"	654	2305126	5/25	4.00	19.4	4.00	—	(P) F	(L) F
Calibr.	"	"	656	4304M77	10/24	10.08	19.0	10.07	—	(P) F	(L) F
ICV	"	"	658	2305124	5/25	4.00	19.1	4.02	—	(P) F	(L) F
CCV	Nicole Reistad	02/08/24	1625	4304M77	10/24	10.09	18.2	10.05	—	(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: Slippery Disk; Date of last verification: 1/7/24

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						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: