

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: 2024-08-05-13

Project: SOGTST2408

2024-08-05-03

SMP: Barron River

- 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 6/13/24

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	8/6/24	1655	21.2	759.0	8.9	8.87	99.9	—	1.044	P/F	L/F
ICV	"	"	1658	21.2	759.1	8.9	8.87	100.0	—	—	P/F	L/F
CCV	Monica Jaeger	8/6/24	1653	26.7	758.2	8.0	8.06	100.7	—	—	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 moles/cm	Meter Reading μ moles/cm	Pass Fail	Lab Field
Calibr.	Monica Jaeger	8/6/24	702	2302 F67	2/25	2500	2500	P/F	L/F
ICV	"	"	704	2306 J21	6/25	100	103.9	P/F	L/F
CCV	Monica Jaeger	8/6/24	1655	2302 F67	2/25	2506	2488	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	8/6/24	707	2305 H95	4/25	7.02	20.5	7.02	165.1	P/F	L/F
Calibr.	"	"	715	1311 E29	10/25	4.00	20.4	4.00	120.0	P/F	L/F
Calibr.	"	"	720	1309 L49	3/25	10.06	20.1	10.06	229.5	P/F	L/F
ICV	"	"	727	1311 E29	10/25	4.00	20.8	3.98	—	P/F	L/F
CCV	Monica Jaeger	8/6/24	1658	1309 L49	3/25	10.04	22.0	10.10	—	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 10 168.4, slope from 4 to 7 181.1 (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:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: slippery disk Date of last verification: 6/13/24

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: