

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: Gumbo

RQ- 2023-02-20-62

Project: CM SMP

- 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 12/1/22

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.	S Meyer	02/08/2023	0747	22.6	766.9	8.7	8.72	100.9	—	1.059395	P / F	L / F
ICV	↓	↓	0749	22.631	767.0	8.7	8.73	101.1	—	—	P / F	L / F
CCV	↓	02/23/2023	1428	24.164	765.2	8.5	8.37	99.7	—	—	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	S Meyer	02/08/2023	0758	4203H74	03/2024	20000	20000	P / F	L / F
ICV	↓	↓	0704	2110435	10/2023	10000	9936	P / F	L / F
CCV	↓	02/23/2023	1445	1111697	10/2023	50000	3099	P / F	L / F
CCV	↓	↓	1439	2201F94	01/2024	500	202.7	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.	S Meyer	02/08/2023	0710	219095	01/2024	7.01	23.0	7.01	-20.7	P / F	L / F
Calibr.	↓	↓	0713	219096	02/2024	4.00	23.1	4.00	153.2	P / F	L / F
Calibr.	↓	↓	0726	213755	06/2023	10.02	23.1	10.02	-201.1	P / F	L / F
ICV	↓	↓	0729	213755	06/2023	10.02	23.039	10.03	-200.2	P / F	L / F
CCV	↓	02/23/2023	1450	219095	01/2024	7.01	23.132	6.99	-21.1	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 10 180.4, slope from 4 to 7 174.9 (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: # 2; Date of last verification: 12/1/22

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: