

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified dat this page.

Meter ID: 155077

RQ: 2022-08-19-19

Project: 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

DO FDEP 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.	B.Olin	8/31	0106	22.6	760.5	8.6	8.64	100.1			P F	L F
ICV			0714	22.7	760.5	8.6	8.65	100.2			P F	L F
CCV	F. Bula		14:28	22.8	759.3	8.6	8.85	103.0			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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	B.Olin	8/31	0714	220413C	4/2023	1000	1000	P F	L F
ICV			0719	220413D	4/2023	100	99.7	P F	L F
CCV	F. Bula		14:30	220413D	4/2023	100	100.5	P F	L F
CCV								P F	L F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	B.Olin	8/31	0721	213154	6/2023	7.	23.7	7.09	-32.1	P F	L F
Calibr.			0726	215478	7/2023	4.	23.5	4.00	145.5	P F	L F
Calibr.			0728	205284	10/2022	10.	23.5	10.13	-102.0	P F	L F
ICV			0729	215478	7/2023	4	23.5	3.97	148.3	P F	L F
CCV	F. Bula	8/31	14:33	213754	6/2023	7.0	22.0	7.06	-35.0	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 10 174.2, slope from 4 to 7 177.6 (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: 6/27/22

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	B.Olin	8/31	0729	0.00	0.00	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:

Eastern Lakes Run Holly Lk Lingers Lk Roberts Lake
 GYNW0517 GYNW0537 G3NW0447