

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: 154179

RQ: 11-08-MR

Project: SMP

2021-11-08-24

- 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

11/4/2021

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.	M. Rice	11/16/21	0754	22.2	767.5	8.8	8.8	100.1	—	1.04	(P) F	(L) F
ICV	M. Rice	11/16/21	0759	22.4	767.6	8.8	8.8	100.2	—	—	(P) F	(L) F
CCV	M. Rice	11/16/21	1517	21.4	766.0	8.9	8.9	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	M. Rice	11/16/21	0800	210330B	4/22	5000	5002	(P) F	(L) F
ICV	M. Rice	11/16/21	0814	210525C	6/22	1000	1001	(P) F	(L) F
CCV	M. Rice	11/16/21	0815	210525B	6/22	100	101	(P) F	(L) F
CCV	M. Rice	11/16/21	1531	210525B	6/22	100	102	(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.	M. Rice	11/16/21	0817	202114	5/22	7.	21.0	7.02	-16.1	(P) F	(L) F
Calibr.	M. Rice	11/16/21	0821	205283	10/22	4.	21.3	4.05	156.6	(P) F	(L) F
Calibr.	M. Rice	11/16/21	0822	201473	5/22	10.	21.4	10.04	-192.3	(P) F	(L) F
ICV	M. Rice	11/16/21	0824	205283	10/22	4	21.3	4.11	150.9	(P) F	(L) F
CCV	M. Rice	11/16/21	1533	202114	5/22	7	21.4	7.01	-16.0	(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 10 177.5, slope from 4 to 7 173.7 (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: 11/4/2021

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	M. Rice	11/16/21	0827	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:

Cassidy Lake and Kanick Lake