

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:

President Lough

RQ:

2022-01-11

Project:

Continuous: Hatchet Creek

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

08/16/21

01/05/22

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.	Thomas Baker	02/02/22	0700	24.5	764.5	8.4	100.6	100.6		1.0498	P/F	L/F
ICV	Thomas Baker	02/02/22	0703	24.5	764.8	8.4	8.43	101.0			P/F	L/F
CCV	William Miller	02/02/22	1300	20.0	764.5	9.2	9.36	102.7			P/F	L/F
CCV												

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.	Thomas Baker	02/02/22	0705	1106B54	6/23	10000	10000	P/F	L/F
ICV	Thomas Baker	02/02/22	0708	1107655	6/23	50000	50449	P/F	L/F
CCV	William Miller	02/02/22	1302	1106B54	6/23	10000	9994	P/F	L/F
CCV									

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.	Thomas Baker	02/02/22	0713	2108423	7/23	7.00	24.7	7.00		P/F	L/F
Calibr.			0717	2111430	11/23	4.01	24.9	4.01		P/F	L/F
Calibr.			0720	2110652	4/23	10.01	24.7	10.00		P/F	L/F
ICV	Thomas Baker	02/02/22	0725	2111430	11/23	4.01	24.7	4.01		P/F	L/F
CCV	William Miller	02/02/22	1305	2110652	4/23	10.01	25.0	10.08		P/F	L/F
CCV											

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: 33124; Date of last verification: 08/16/21

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: