

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

Meter ID: Frider

RQ- 2021-11-20-30

Project: SMP: Hatch Creek

Boldly "X" this box if there are qualified data on this page.

- 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 11/30/21

DO DEP SOP FT 1500	Name	Date	Time	Temp	Baro-meter	D.S. Charge	DO	% DO	Probe	Probe	P/F	L/F
Calibr.	William Muller	12/7/21	0719	23.7	759.4	8.5	8.50	100.6	—	1.051	(P) F	(L) F
ICV	"	12/7/21	0723	23.8	759.3	8.4	8.51	100.7	—	—	(P) F	(L) F
CCV	Nicole Reistad	12/07/21	1502	24.7	758.3	8.31	8.39	101.1	—	—	(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	Temp	DO	DO	DO	DO	P/F	L/F
Calibr.	William Muller	12/7/21	0725	1108C98	8/23	2500	2500		(P) F	(L) F
ICV	"	12/7/21	0727	2109K87	9/23	100	99.8		(P) F	(L) F
CCV	Nicole Reistad	12/07/21	1457	1108C98	08/23	2500	2513		(P) F	(L) F
CCV									P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1300	Name	Date	Time	Temp	pH	pH	pH	pH	P/F	L/F
Calibr.	William Muller	12/7/21	0730	2107C00	7/23	7.00	24.7	7.00	(P) F	(L) F
Calibr.	"	12/7/21	0734	2110D40	9/23	4.01	24.9	4.01	(P) F	(L) F
Calibr.	"	12/7/21	0737	2109H76	3/23	10.01	24.7	10.01	(P) F	(L) F
ICV	William Muller	12/7/21	0740	2110D40	9/23	4.01	24.8	4.01	(P) F	(L) F
CCV	Nicole Reistad	12/07/21	1500	2109H76	03/23	10.02	24.3	10.00	(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 _____, 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: DEEPSE BLUE Date of last verification: 08/16/21

Depth sensor	Name	Date	Time	Calibrated	P/F	L/F
Pressure mode in air						

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: