

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

Meter ID: SN61C

RQ: 2018-09-30-04

Project: CONT. MONT. RESERVE

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 6/18/19

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.	BSPRINGBORN	10/1/19	0730	23.7	754.0	8.4	8.40	99.2	-	1.27	(P) F	(L) F
ICV	↓	↓	0732	23.7	753.9	8.4	8.38	99.1	-	-	(P) F	(L) F
CCV	Gary Smead	10/1/19	1501	24.6	753.1	8.2	8.24	99.0	-	-	(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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	BSPRINGBORN	10/1/19	0734	2904A28	3/21	10000	10000	(P) F	(L) F
ICV	↓	↓	0736	290563	05/21	100	101.5	(P) F	(L) F
CCV	Gary Smead	10/1/19	1503	2811E60	11/20	50000	49621	(P) F	(L) F
CCV								(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.	BSPRINGBORN	10/1/19	0738	191364	3/21	7.99	24.8	7.00	-32.8	(P) F	(L) F
Calibr.	↓	↓	0740	193247	5/21	4.01	24.8	4.01	148.0	(P) F	(L) F
Calibr.	↓	↓	0742	192995	5/21	10.01	24.8	10.01	24.0	(P) F	(L) F
ICV	↓	↓	0744	193247	5/21	4.01	24.8	4.01	148.0	(P) F	(L) F
CCV	Gary Smead	10/1/19	1507	192995	5/21	10.01	24.0	10.03	-	(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 82, slope from 4 to 7 180.8 (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) Sacchi Disk Line / Sonar Unique ID: 3312B; Date of last verification: 9/30/19

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 $\pm 0.05m$, whichever is greater.

COMMENTS: