

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

Boldly "X" this box if there is qualified data on this name

Meter ID:

Lil Bit

Project:

SMP: Wilderness Waterways

Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).

(2) Always wait for meter to stabilize before recording any readings.

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

2/7/17

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Veronica Rung	3/20/17	0705	24.5	8.4	8.4	99.3			P F	L F
ICV	↓	↓	0720	24.6	8.3	8.3	99.3			P F	L F
CCV	" ↓ "	↓	1840	23.9	8.4	8.4	100.6			P F	L F
CCV		↓								P F	L F

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time (ET)	Lot #	Expir. Date	Standard $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Veronica Rung	3/20/17	0725	161216A	12/17	1000	1000	P F	L F
ICV	↓	↓	0722	161216B	6/17	100	103	P F	L F
CCV	" ↓ "	↓	1845	2511C38	11/17	50,000	49,594	P F	L F
CCV		↓						P F	L F

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Veronica Rung	3/20/17	0728	164224	6/18	7.0	7.0	-22.8	P F	L F
Calibr.	↓	↓	0730	167431	11/18	4.0	4.0	112.3	P F	L F
Calibr.	↓	↓	0740	161216C	6/18	10.0	10.0	-158.3	P F	L F
ICV	↓	↓	0750	167431	11/19	4.0	3.94	139	P F	L F
CCV	" ↓ "	↓	1849	161216C	6/18	10.0	10.1	-151.7	P F	L F
CCV		↓							P F	L F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or $\pm 0.05\text{m}$, whichever is greater

Notes: