

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

2017-05-01-15
2017-04-24-01

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

Meter ID:

B10

Project:

SMP: Peco River Streams +

- 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.

Special project:
shell creek

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

4/18/17

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 Ruge	5/10/17	0700	24.6	8.3	8.3	100	58.4	0.85	P F	L F
ICV	ll	↓	0703	24.5	8.3	8.3	100	57.4		P F	L F
CCV	Chase Corly	↓	1503	24.8	8.3	8.5	102	57		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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Veronica Ruge	5/10/17	0705	170412	4/18	1000	1000	P F	L F
ICV	ll	↓	0708	1612163	6/17	100	102	P F	L F
CCV	Chase Corly	↓	1456	170421A	5/18	1000	10093	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 Ruge	5/10/17	0710	162801	12/18	7.0	7.0	29.0	P F	L F
Calibr.	ll	↓	0713	167431	11/18	4.0	4.0	147.7	P F	L F
Calibr.	ll	↓	0716	165882	9/18	10.0	10.0	206.1	P F	L F
ICV	ll	↓	0719	167431	11/18	4.0	4.0	150.3	P F	L F
CCV	Chase Corly	↓	0745	165882	9/18	10.0	10.1	210	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 ± 0.05 m, whichever is greater

Notes: