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 page.

Meter ID: A **Project:** Smp's Group 4 Creeks

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 1-7-16

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.	Danny Barton	2-9-16	0730	24.5	8.3	8.3	100	51	1.15	P F	P F
ICV	" "	" "	0733	24.5	8.3	8.3	100	51		P F	P F
CCV	" "	" "	1644	21.0	8.9	8.9	100	49		P F	P 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Danny Barton	2-9-16	0735	150915D	9-16	1000	1000	P F	P F
ICV	" "	" "	0736	" "	" "	1000	1000	P F	P F
CCV		" "	1641	150915C	3-16	100	105	P F	P F
CCV								P F	L F

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 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.	Danny Barton	" "	0738	156244	12-17	7.0	7.0	-58	P F	P F
Calibr.	" "	" "	0739	150915A	9-16	4.0	4.0	113	P F	P F
Calibr.	" "	" "	0740	150915B	3-17	10.0	10.0	-230	P F	P F
ICV	" "	" "	0741	" "	" "	10.0	10.0	-229	P F	P F
CCV	" "	" "	1642	150915A	9-16	4.0	4.2	99	P F	P F
CCV									P F	L F

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±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 ±5 % or ±0.05m, whichever is greater

Notes: RQ-2016-01-25-68