

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 Biology 7

RQ-2016-02-22-66

Project SMP

- 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 _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	02/22/2016	15:39	21.66	8.79	8.74	99.3	83.9	—	P	L
ICV	Curtis Musson	02/22/2016	15:40	21.69	8.79	8.74	99.4	83.9	—	P	L
CCV	Ben Ralys	2/23/16	7:22	20.91	8.93	8.93	99.9	78.8	—	P	L
CCV	Curtis Musson	2/23/16	3:40	22.2	8.70	8.8	101.1	75.7	—	P	L

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 CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	02/22/2016	15:43	CC14162	10/15/2016	996	996	P	L
ICV	Curtis Musson	02/22/2016	15:44	CC14162	10/15/2016	996	996	P	L
CCV	Ben Ralys	2/23/16	7:24	CC14162	10/15/2016	996	996	P	L
CCV	Curtis Musson	2/23/16	3:42	CC13882	11/15/2016	101.1	104	P	L

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	02/22/2016	15:46	156244	10/2017	7.0	7.0	-22.6	P	L
Calibr.	Curtis Musson	02/22/2016	15:48	154634	07/2017	4.0	4.0	152.8	P	L
Calibr.	Curtis Musson	02/22/2016	15:49	146934	10/2016	10.0	9.98	-144.2	P	L
ICV	Curtis Musson	02/22/2016	15:51	156244	10/2017	7.0	6.93	-17.4	P	L
CCV	Ben Ralys	2/23/2016	7:25	154634	07/2017	4.0	4.07	142.6	P	L
CCV	Curtis Musson	2/23/16	3:4	146934	10/2016	10.0	10.04	-192.0	P	L

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH 7 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

Tanyard Branch
 Quincey Creek
 Little River
 Meigs Run