

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 # 2

RQ- 2016-04-11-33

Project SMP - Ochlockonee Stream

- 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 03/04/2016

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.	J. Albright	4-13-16	0734	22.15°	8.71	8.72	100	34.9		Pass	Lab
ICV	J. Albright	4-13-16	0737	22.20°	8.71	8.6	98.8	33.9		Pass	Lab
CCV	R. Wini	4/13/16	1615	22.67	8.6	8.3	96.4	29.8		Pass	Lab
CCV											

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 $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	J. Albright	4-13-16	0741	CC13882	7-15-16	101.1	101.0	Pass	Lab
ICV	J. Albright	4-13-16	0742	—	—	—	101.0	Pass	Lab
CCV	R. Wini	4/13/16	1703	CC13882	7/15/16	101.1	101	Pass	Lab
CCV									

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.	J. Albright	4-13-16	0744	153035	7-2017	7.0	7.0	-11.3	Pass	Lab
Calibr.	J. Albright	4-13-16	0745	154634	7-2017	4.0	4.0	163.7	Pass	Lab
Calibr.	J. Albright	4-13-16	0747	146934	10-2016	10.0	10.0	-185.6	Pass	Lab
ICV	J. Albright	4-13-16	0747	146934	10-2016	10.0	9.99	-185.1	Pass	Lab
CCV	R. Wini	4/13/16	1705	146934	10/16	10.0	10.1	-188.8	Pass	Lab
CCV										

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

mV pH7 Range 0 ± 50 ;

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

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