

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD4000)

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

Meter YSI 556 #1 RQ- 2016-05-09-16 Project SWANNEE 2

- 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 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.	PO'Connor	05/12/16	0712	23.6	8.48	8.47	100.0	-	-	Pass	LAB
ICV	↓	↓	0728	23.9	8.45	8.45	100.0	-	-	Pass	LAB
CCV	PO'Connor	05/12/16	1410	30.1	7.54	7.54					
CCV	PO'Connor	05/12/16	1420	24.8	8.38	8.59	102.6	-	-	Pass	LAB

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.	PO'Connor	05/12/16	0730	160216A	02/2017	1000	1000	Pass	LAB
ICV	↓	↓	0732	↓	↓	↓	1002	Pass	LAB
CCV	PO'Connor	05/12/16		160216B	08/2016	100	103	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.	PO'Connor	05/12/16	0733	2509677	08/2017	7.0	7.00	-39.5	Pass	LAB
Calibr.	↓	↓	0740	2509674	09/2017	4.0	4.00	136.5	Pass	LAB
Calibr.	↓	↓	0745	2506675	09/2016	10.0	9.98	-21.1	Pass	LAB
ICV	↓	↓	0748	2509677	08/2017	7.0	7.04	-39.6	Pass	LAB
CCV	PO'Connor	05/12/16		2506675	09/2015	10.0	10.04	-213.6	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 N/A

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

Scanned 5/17/16