

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 YSI #403 RQ- 2017-02-13-12 Project Suwannee 5

- 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 02/09/17

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 Conn	02/16/17	0700	21.8	8.77	8.77	100.0	71.7	0.94804	Pass	LAB
ICV	PO Conn	02/16/17	0710	22	8.74	8.74	100.0	71.7	0.94804	Pass	LAB
CCV	PO Conn	02/16/17	1500	22.6	8.64	8.73	101.0	69.6	0.94804	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	PO Conn	02/16/17	0713	161101A	11/2017	1000	1000	Pass	LAB
ICV	V	V	0720	161101B	05/2017	100	101		
CCV	PO Conn	02/16/17	1505	161101A	11/2017	1000	1004	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 Conn	02/16/17	0722	2608904	07/2018	7.0	7.00	-9.9	Pass	LAB
Calibr.			0725	2605918	04/2018	4.0	4.06	167.9	Pass	LAB
Calibr.			0727	2607973	01/2018	10.0	9.99	-182.6	Pass	LAB
ICV			0730	2608904	07/2018	7.0	7.01	-8.8	Pass	LAB
CCV	PO Conn	02/16/17	1510	2607973	01/2018	10.0	10.01	-184.7	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 02/09/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	PO Conn	02/16/17	0732	0.000	0.000	Pass	LAB

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater