

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 name.

Meter ID: YSI TR

RQ: 2018-05-21-17

Project: Sowannee N 2

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(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 04-10-18

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.	P O'Connor	05-23-18	0705	24.0	8.41	8.40	100.0	—	1.03492	(P) F	(L) F
ICV	↓	↓	0710	24.1	8.40	8.40	100.0	—	1.03492	(P) F	(L) F
CCV	B Davis	↓	1525	24.0	8.42	8.42	100.0	—	1.03	(P) F	(L) F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	P O'Connor	05-23-18	0712	180321B	04-2019	1000	1.03492 ¹⁰⁰⁰	(P) F	(L) F
ICV	↓	↓	0715	171129B	12-2018	100	104	(P) F	(L) F
CCV	B Davis	↓	1527	180321B	4/19	1000	998	(P) F	(L) F
CCV								P / F	L / F

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.	P O'Connor	05-23-18	0730	2711281	11-2019	7.0	7.00	-10.6	(P) F	(L) F
Calibr.	↓	↓	0734	2711517	10-2019	4.0	4.00	157.8	(P) F	(L) F
Calibr.	↓	↓	0738	2711527	04-2019	10.0	9.99	-80.6	(P) F	(L) F
ICV	↓	↓	0740	2711281	11-2019	7.0	7.03	-13.4	(P) F	(L) F
CCV	B Davis	↓	1530	2711517	10/19	4.0	4.08	152.7	(P) F	(L) F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 04-10-18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	P O'Connor	05-23-18	0745	0.00	0.00	(P) F	(L) F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

QC/Scanned BP 6/4/18 JP 5/29/18