

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: QUANTA #1 RQ: 2018-03-12-16 Project: SWANNEE 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 01-10-18 to

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 01-10-18

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	03-14-18	0715	21.3	8.86	8.83	100.0	—	—	(P) F	(L) F
ICV	✓	✓	0725	21.4	8.84	8.83	100.1	—	—	(P) F	(L) F
CCV	P O'Connor	03-14-18	1540	22.0	8.74	8.60	98.4	—	—	(P) F	(L) F
CCV										P / F	L / F

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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	P O'Connor	03-14-18	0727	171129A	12-2018	1000	1000	(P) F	(L) F
ICV	✓	✓	0729	170315A	03-2018	100	99	(P) F	(L) F
CCV	P O'Connor	03-14-18	1543	171129A	12-2018	1000	999	(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	03-14-18	0733	2109B15	09-2019	7.0	7.00		(P) F	(L) F
Calibr.			0735	2111517	10-2019	4.0	4.00		(P) F	(L) F
Calibr. ICV	✓	✓	0740	2108A21	01-2019	10.0	9.93		(P) F	(L) F
ICV-CCV	P O'Connor	03-14-18	1545	2109B15	09-2018	7.0	7.0649		(P) F	(L) F
CCV			1548	2111517	10-2019	4.0	3.98		(P) F	(L) F
CCV			1550	2108A21	01-2019	10.0	9.89		(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 N/A, slope from 4 to 7 N/A (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 _____

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 / 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 BT 4/2/18 JP 3/15/18