

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 QUANTA #1 RQ- 2017-03-27-01 Project SUWANNEE RZ

- 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 02/2017

DO FDEP 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	03/28/17	0750	23.2	8.54	8.54	99.9	—	—	Pass	LAB
ICV	✓	✓	0752	23.2	8.54	8.53	99.8	—	—	Pass	LAB
CCV	PO'Connor	03/28/17	1600	23.6	8.48	8.4	99.6	—	—	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'Connor	02/28/17	0754	161101A	11/2017	1000	1000	Pass	LAB
ICV	✓	✓	0756	161101B	05/2017	100	100	Pass	LAB
CCV	PO'Connor	03/28/17	1605	161102A	11/2017	1000	1000	Pass	LAB
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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	03/28/17	0758	2608904	01/2018	7.0	7.00	—	Pass	LAB
Calibr.	✓	✓	0805	2608626	08/2018	4.0	4.00	—	Pass	LAB
Calibr.	✓	✓	0812	2608E35	02/2018	10.0	9.86	—	Pass	LAB
ICV	✓	✓	0812	2608E35	02/2018	10.0	9.86	—	Pass	LAB
CCV	PO'Connor	03/28/17	1607	2608904	02/2018	7.00	7.11	—	Pass	LAB
CCV										
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

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

mV pH 10 Range -180 $\pm$ 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

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

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Meter **YSI#4**

RQ- **2017-03-27-05**

Project **LSTP NORTH**

- 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 **Lab**

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.	Thorn	3/28/17	720	22.0	8.74	8.74	100	55.3		P	L
ICV	L	L	722	22.6	8.72	8.71	99.7	55.3		P	L
CCV	B-Vc	3/28/17	1438	23.8	8.44	8.33	98.4	56.3		P	L
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.		3/28/17	725	161101A	11/17	1000	1000	P	L
ICV		L	726	0358640	12/17	58,640	57908	P	L
CCV	B-Vc	3/28/17	1440	161101A	11/17	1000	1006	P	L
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.		3/28/17	727	2608904	7/18	7.0	7.00	13.7	P	L
Calibr.		L	728	2608626	8/18	4.0	4.00	103.5	P	L
Calibr.		L	729	2608E35	2/18	10.0	10.00	187.9	P	L
ICV		L	730	2608626	8/18	4.0	4.01	188.2	P	L
CCV	B-Vc	3/28/17	1441	2608E35	2/18	10.0	10.0	-188.6	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

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

mV pH 10 Range -180 $\pm$ 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	Thorn	3/28/17	732	0.000	0.0	P	

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