

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

RQ- 2017-01-23-09

Project Susannee 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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

03/04/2016 - 11/2016

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 Conn	01/24/17	0655	21.8	8.77	8.77	100.0	-	Pass	Pass	LAB
ICV	✓	✓	0710	22.1	8.72	8.69	100.0	-	-	Pass	LAB
CCV	PO Conn	01/24/17	1450	22.2	8.70	8.73	100.1	-	-	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	PO Conn	01/24/17	0712	161101A	11/2017	1000	1000	Pass	LAB
ICV	✓	✓	0714	160616B	06/20/17	100	101	Pass	LAB
CCV	PO an	01/24/17	0715	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 an	01/24/17	0715	2608904	07/2018	7.0	7.00	-	Pass	LAB
Calibr.			0725	2605918	04/2018	4.0	4.00	-	Pass	LAB
Calibr. ICV	✓	✓	0735	2607973	01/2018	10.0	9.89	-	Pass	LAB
ICV	PO an	01/24/17	1458	2608904	07/2018	7.00	7.04	-	Pass	LAB
CCV	✓	✓	1500	2605918	04/2018	4.00	4.01	-	Pass	LAB
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

Sealed

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 VSI #4

RQ- 2017-01-23-11

Project Irishettuckee

- 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 11/2016

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.	JPM	1/24/17	718	21.0	8.91	8.91	100	56.3		P	L
ICV	J	J	720	21.1	8.90	8.90	99.8	56.3		P	L
CCV	B. Davis	1/24/17	1425	19.60	9.16	9.16	100%	55		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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	JPM	1/24/17	721	161101A	11/17	1000	1000	P	L
ICV	J	J	724	160616B	6/17	100	102	P	L
CCV	B. Davis	1/24/17	1426	161101A	11/17	1000	997	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.	JPM	1/24/17	727	2608904	7/18	7.0	7.0	-	P	L
Calibr.	J	J	728	2605918	4/18	4.0	4.0	-	P	L
Calibr.	J	J	729	2607913	1/18	10.0	10.0	-	P	L
ICV	J	J	730	2605918	4/18	4.0	3.99	-	P	L
CCV	B. Davis	1/24/17	1428	2607913	1/18	10.0	9.98	-	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 11/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	JPM	1/24/17	731	0.000	0.00	P	

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

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