

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 QU Antech #1 RQ- 2017-05-22-09 Project Suwannee R.

- 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 Com	05-25-17	0722	23.9	8.43	8.43	100.0	—	—	Pass	CAB
ICV	↓	↓	0725	23.9	8.43	8.43	99.9	—	—	Pass	CAB
CCV	PO Com	05-25-17	1305	23.4	8.51	8.50	99.9	—	—	Pass	CAB
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 Com	05-25-17	0729	170315B	03/2018	1000	1000	Pass	CAB
ICV	↓	↓	0732	170315A	03/2018	100	101	Pass	CAB
CCV	PO Com	05-25-17	1315	21472017	12/2017	147	147	Pass	CAB
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 Com	05-25-17	0735	2702C47	02-2019	7.0	7.00	—	Pass	CAB
Calibr.	↓	↓	0757	2610F42	10-2018	4.0	4.00	—	Pass	CAB
Calibr.	↓	↓	0740	2610F42	05-2018	10.0	9.84	—	Pass	CAB
ICV	PO Com	05-25-17	1320	2702C47	02-2019	7.0	7.08	—	Pass	CAB
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- 2017-05-22-07

Project Gville 3

- 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 2/2017

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.	J Pan	5/25/17	718	23.3	8.53	8.53	100	43.1	—	P	L
ICV	L		720	23.3	8.53	8.52	99.8	43.1	—	P	L
CCV	N. Fredrick	5/25/17	1515	24.31	8.37	8.39	100.2	43.1	—	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.	J Pan	5/25	723	1703156	3/18	1000	1000	P	L
ICV	L		725	21472017	12/17	147	151	P	L
CCV	N. Fredrick	5/25/17	1520	1413 2014	6/17	1413	1419	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.	J Pan	5/25/17	726	2702C47	2/19	7.0	7.00	-27.3	P	L
Calibr.	L		722	2610F42	10/18	4.0	4.00	155.7	P	L
Calibr.	L		728	2611998	5/18	10.0	9.98	192.7	P	L
ICV	L		729	2610F42	10/18	4.0	3.90	158.1	P	L
CCV	N. Fredrick	5/25/17	1525	2702C47	2/19	7.0	7.01	-20.3	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 2/2017

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	J Pan	5/25/17	730	0.000	0.0	P	

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