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 YSI #4 RQ- 2017-08-07-10 Project Suwannee Springs

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 _____

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'Connor	08-14-17	0720	24.1	8.40	8.41	100.0	57.4	1.05455	P	L
ICV	↓	↓	0740	23.5	8.49	8.50	100.0	58.4	0.99003	P	L
CCV	AKalmbacher	8-14-17	1455	24.9	8.27	8.29	100.2	59.4	0.98003	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	PO'Connor	08-14-17	0745	1703158	03-2018	1000	1000	P	L
ICV	↓	↓	0748	2147 2017	12-2017	147	153	P	L
CCV	AKalmbacher	8-14-17	1700	170315B	3-2018	1,000	996	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 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'Connor	08-14-17	0752	1607A12	06-2018	7.0	7.00	-21.3	P	L
Calibr.	↓	↓	0756	2702743	01-2019	4.0	4.00	158.3	P	L
Calibr.	↓	↓	0800	2611998	05-2018	10.0	~~9.99~~ 9.99	-195.0	P	L
ICV	↓	↓	0805	1607A12	06-2018	7.0	7.00	-21.7	P	L
CCV	AKalmbacher	8-14-17	1705	1607A12	06-2018	7.0	7.04	-23.3	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification 06-2017

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	P. O'Connor	08-14-17	0807	0.000	~~0.053~~ 0.05	P	L

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