Boldly "X" this box if there is qualified data on this page.

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

Meter ID: YSI M **RQ-** 2018-06-25-22 **Project:** Gville

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 Lab

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 4/2018

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 Ramsh	6/26/18	705	24.2	8.39	8.39	100	—	—	P / F	L / F
ICV	↓	6/26/18	707	24.2	8.39	8.39	100	—	—	P / F	L / F
CCV	B Davis	6/26/18	1516	24.2	8.39	8.37	99.9	—	—	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	J Ramsh	6/26/18	709	180321B	4/19	1000	1000	P / F	L / F
ICV	↓	↓	710	1470318	9/18	147	150	P / F	L / F
CCV	B D	6/26/18	1520	180321B	4/19	1000	1002	P / F	L / F
CCV								P / F	L / F

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.	J Ram	6/26/18	711	2803E45	3/20	7.0	7.0	-12.4	P / F	L / F
Calibr.	↓	↓	713	2811517	10/19	4.0	3.99	152.4	P / F	L / F
Calibr.	↓	↓	714	2711527	4/19	10.0	10.00		P / F	L / F
ICV	↓	↓	715	2803E45	3/20	7.0	7.04	19.8	P / F	L / F
CCV	B D	6/26/18	1523	2711527	4/19	10.0	10.03	-182.1	P / F	L / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 __________, slope from 4 to 7 __________ (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	J Ram	6/26/18	717	0.00		P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:
JP 6/29/18 QC/Scanned BD 7/9/18

Form effective October 1, 2017

Boldly "X" this box if there is qualified data on this page.

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

Meter ID: DEP#154181 RQ- 2018-06-18-12 Project: Oklawaha Lakes

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 _____

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 04-10-18

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.	PO'Connor	06-26-18	0615	22.1	8.72	8.72	100.1	—	—	(P) / F	(L) / F
ICV	"	"	0618	22.3	8.72	8.71	100.0	—	—	(P) / F	(L) / F
CCV	PO'Connor	06-26-18	1527	23.3	8.53	8.56	100.4	—	—	(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	PO'Connor	06-26-18	0620	180321B	04-2019	1000	1000	(P) / F	(L) / F
ICV	"	"	0622	180321A	04-2019	100	102.2	(P) / F	(L) / F
CCV	PO'Connor	06-26-18	1530	1470318	09-2018	147	150.6	(P) / F	(L) / F
CCV								P / F	L / F

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	06-26-18	0625	2803E45	03-2020	7.0	7.00		(P) / F	(L) / F
Calibr.	"	"	0628	2711517	10-2019	4.0	4.00		(P) / F	(L) / F
Calibr.	"	"	0631	2711527	04-2019	10.0	10.00		(P) / F	(L) / F
ICV	"	"	0635	2803E45	03-2020	7.0	7.08	-9.1	(P) / F	(L) / F
CCV	PO'Connor	06-26-18	1535	2711517	10-2019	4.0	4.04	168.6	(P) / F	(L) / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:
EP QC/Scanned 7/12/18 JP 6/29/18