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

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

Meter ID: ~~PDSM~~ JB SNGL RQ- 2019-12-09-03 Project: Caloosa Longterm

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.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 10/1/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Barrington	12/12/19	0715	23.0	760.5	8.6	8.59	100.1	—	1.28	(P)/F	(L)/F
ICV	↓	↓	0718	23.0	760.5	8.6	8.60	100.2	—	—	P/F	L/F
CCV	Chris Harmuth	12/12/19	1623	25.1	758.1	8.2	8.35	101.2			(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 (Pro DSS 0.75 to 1.50); 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.	Barrington	12/12/19	0721	2904A78	3/21	10000	10000	(P)/F	(L)/F
ICV	↓	↓	0724	2907016	7/21	1000	1001	(P)/F	(L)/F
CCV	Chris Harmuth	12/12/19	1614	2909C48	09/21	50000	49403	(P)/F	(L)/F
CV			1618	2908C81	08/21	100	103.5	(P)/F	(L)/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Barrington	12/12/19	0727	194546	7/21	7.00	24.3	7.01	-14.8	(P)/F	(L)/F
Calibr.			0730	194900	7/21	4.00	24.0	4.00	136.3	(P)/F	(L)/F
Calibr.			0733	193874	6/21	10.02	23.9	10.01	-222.1	(P)/F	(L)/F
ICV	↓	↓	0736	194900	7/21	4.00	24.9	3.99	—	(P)/F	(L)/F
CCV	Chris Harmuth	12/12/19	1620	191735	04/21	10.023	24.0	10.05		(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 10 179.3, slope from 4 to 7 181.1 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? **YES** / **(NO)** / **NA** (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: ______
If **NO**, what will be used? (circle one) **(Secchi Disk Line)** / **Sonar** Unique ID: 3312B; Date of last verification: 6/18/19

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:

Form effective August 1, 2018