

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: 134177

RQ: 2023-03-20-23

Project: Spgs Qrtly

- Notes: (1) Always wait for meter to stabilize before recording any readings. 2023-03-20-23 MMP
 (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 1/6/23

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Burkhardt	3/27/23	753	19.7	756.6	9.1	9.11	99.6	-	1.00	P/F	L/F
ICV	"	"	804	20.6	756.6	8.9	8.92	99.3	-	-	P/F	L/F
CCV	C. Musson	3/27/23	1508	20.1	756.5	9.074	9.09	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 (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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burkhardt	3/27/23	755	221016A	10/23	1000	1000	P/F	L/F
ICV	"	"	806	211206A	4/6/23	100	101.8	P/F	L/F
CCV	C. Musson	"	15:03	211210B	4/6/23	100	104.1	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

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.	J. Burkhardt	3/27/23	757	220608C	12/23	7.02	20.9	7.02	-250	P/F	L/F
Calibr.	"	"	800	22016B	04/24	4.00	21.1	4.00	-198	P/F	L/F
Calibr.	"	"	802	220608A	12/23	10.04	20.9	10.05	-189	P/F	L/F
ICV	"	"	810	"	"	10.04	20.9	10.02	-190.6	P/F	L/F
CCV	C. Musson	"	15:05	221018B	4/24	4.00	21.1	3.96	-15.3	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 $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 164.8, slope from 4 to 7 174.8 (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: 7/13/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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. Burkhardt	3/27/23	750	0.000	0.000	P/F	L/F

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

COMMENTS:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 3/27/2023	Collected By: Curtis Musson, Jade Burtchett
Customer: WAS-SECT	Sampling Agency: FDEP
RQ: RQ-2023-03-20-33	Project ID: SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB**Number of Coolers Shipped:** 2**Delivery Method:** HandDelivered**FIELD ID (Labels) submitted under this RQ for this collection date.**

Site Location	Field ID/WIN ID
MERRITTS MILL POND 500 METERS UPSTREAM OF DAM	 G2WA0009
FB	 FB_03272023
MERRITTS MILL POND MID UNDER POWERLINES	 G2WA0008
HOLE IN THE WALL SPRING	 G2WA0026
TWIN CAVES SPRING	 G2WA0025
SHANGRI LA SPRING VENT	 G2WA0022

RELINQUISHED BY(SIGNATURE):

DATE/TIME: 3/27/2023 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY****Rec'd/Inspected By:****Rec'd/Inspected Date:**