

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: Friday

RQ- 2021-06-07-4

Project: Sarasota Cricks

- 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 05/18/21

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.	Thomas Baker	06/09/21	0650	24.5	760.1	8.3	8.37	100.4		1046	P/F	L/F
ICV	Thomas Baker	06/09/21	0652	24.3	760.2	8.4	8.37	99.5			P/F	L/F
CCV	Thomas Baker	06/09/21	1322	26.1	760.7	8.10	8.10	100.1			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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	06/04/21	0652	2012077	12/22	50000	49998	P/F	L/F
ICV	Thomas Baker	06/04/21	0658	1009989	8/22	2500	2624	P/F	L/F
CCV	Thomas Baker	06/04/21	1325	2012A72	11/22	500	508	P/F	L/F
CCV	Thomas Baker	06/04/21	1327	2012077	12/22	50000	50093	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.	Thomas Baker	06/09/21	0701	2101C99	01/23	7.	24.6	7.05	-64.4	P/F	L/F
Calibr.	Thomas Baker	06/09/21	0705	4102K63	2/23	4.	25.0	7.97	111.0	P/F	L/F
Calibr.	Thomas Baker	06/09/21	0708	1102821	7/22	10.	24.5	9.98	-231.6	P/F	L/F
ICV	Thomas Baker	06/09/21	0710	4102K63	2/23	4	24.9	7.98		P/F	L/F
CCV	Thomas Baker	06/09/21	1328	2101C99	1/23	7	23.9	7.18		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 _____, slope from 4 to 7 _____ (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: DEEPER BLUE Date of last verification: 2/14/21

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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: