

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: **SNEK**

RQ: **2019-08-26-15**

Project: **SMP: Sarasota Crick**

- 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 **06/18/19**

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.	Nicole Reisted	09/03/19	0754	26.7	749.6	7.9	7.90	98.6		1.252	(P) F	(L) F
ICV		09/03/19	0756	26.7	749.7	7.9	7.90	98.5			(P) F	(L) F
CCV	Nicole Reisted	09/03/19	1407	24.0	749.3	8.3	8.28	98.3			(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.	Nicole Reisted	09/03/19	0747	2907D40	07/21	1000	1000	(P) F	(L) F
ICV			0751	2907F48	07/21	500	490	(P) F	(L) F
CCV	Nicole Reisted	09/03/19	1413	2809D50	09/20	10,000	9806	(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.	Nicole Reisted	09/13/19	0800	191304	03/21	7.6991	26.6	7.00	-25.4	(P) F	(L) F
Calibr.			0802	191303	03/21	4.012	26.7	4.01	151.1	(P) F	(L) F
Calibr.			0805	191735	04/21	10.9994	27.1	10.00	-205.1	(P) F	(L) F
ICV			0811	191735	04/21	9.994	26.6	10.00		(P) F	(L) F
CCV	Nicole Reisted	09/03/19	1415	191304	03/21	7.000	24.3	7.16		(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 **179.7**, slope from 4 to 7 **176.5** (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: **06/18/19**

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

COMMENTS: