

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

Meter ID: **PR65 IDENT CANNON DR-2022-11-14-61**

Project: **SMP- EVERGLADES**

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

- 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 **10/6/22**

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.	BARRINGTON	11/16/22	0655	21.5	764.5	8.9	8.88	100.6	-	1.05	(P) F	(L) F
ICV	↓	↓	0658	21.5	764.5	8.9	8.87	100.6	-	-	(P) F	(L) F
CCV	William Miller	11/16/22	1712	24.2	763.2	8.4	8.45	101.0	-	-	(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.	BARRINGTON	11/16/22	0701	220309	3/23	50,000	80,000	(P) F	(L) F
ICV	↓	↓	0703	1107981	7/23	10,000	9899	(P) F	(L) F
CCV	William Miller	11/16/22	1715	220301	3/23	50,000	50,094	(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.	BARRINGTON	11/16/22	0705	2205654	5/24	7.	23.1	201	-	(P) F	(L) F
Calibr.	↓	↓	0708	2206561	5/24	4.	23.0	4.00	-	(P) F	(L) F
Calibr.	↓	↓	0710	4208517	2/24	10.	23.0	10.02	-	(P) F	(L) F
ICV	↓	↓	0712	2206561	5/24	4	23.0	4.04	-	(P) F	(L) F
CCV	William Miller	11/16/22	1718	4208597	2/24	10.04	22.4	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 $+180 \pm 50$;

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: **3312A**; Date of last verification: **8/24/22**

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: