

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: My Boy Blue RQ: 2021-09-27-40 Project: SMP: Collier Coco

- 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 08/16/21

DO FDEP 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 Reistad	09/27/21	0813	24.3	763.0	8.4	8.41	100.4	—	1.039	(P) F	(L) F
ICV			0814	24.3	763.1	8.4	8.42	100.5	—	—	(P) F	(L) F
CCV	Nicole Reistad	09/27/21	1447	24.3	761.7	8.4	8.46	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.	Nicole Reistad	09/27/21	0734	1010D77	10/22	10,000	10,000	(P) F	(L) F
ICV			0739	2011E43	11/22	50,000	49,506	(P) F	(L) F
CCV	Nicole Reistad	09/27/21	1441	4108G72	07/23	100	100.7	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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 Reistad	09/27/21	0801	2104J75	04/23	7.00	23.8	7.01	-62.4	(P) F	(L) F
Calibr.			0803	2107E46	07/23	4.01	24.5	4.00	109.7	(P) F	(L) F
Calibr.			0807	1106E21	12/22	10.02	24.6	10.01	-228.7	(P) F	(L) F
ICV			0811	2107E46	07/23	4.01	24.5	4.06	—	(P) F	(L) F
CCV	Nicole Reistad	09/27/21	1445	1106E21	12/22	10.02	24.0	10.14	—	(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 10 166.3, slope from 4 to 7 172.1 (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: 3312A; Date of last verification: 08/16/21

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: