

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

Meter ID: GumboRQ- 2022-08-29-44 P1Site Name: Cross Canal (North)

- 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 7/14/22

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.	N. Abdo	08/17/22	0730	21.6	758.5		8.80	100.3	—	1.05	P / F	L / F
ICV	1	1	0732	21.6	758.5		8.80	100.0	—	—	P / F	L / F
CCV	Ben Paswater	8/1/22	1210	21.5	761		8.77	99.2			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.	N. Abdo	08/17/22	0735	2203F23	03/24	100		P / F	L / F
ICV	1	1		2105835	04/23	5000		P / F	L / F
CCV								P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

* Conductivity is Busted *

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.	N. Abdo	08/17/22	0738	219095	01/24	7.02	21.1	7.03	-2.6	P / F	L / F
Calibr.	1	1	0740	214220	06/23	4.00	21.3	4.03	161.4	P / F	L / F
Calibr.	1	1	0745	213755	06/23	10.05	21.1	10.13	-92.7	P / F	L / F
ICV	1	1	0746	1	1	1	21.0	10.06	—	P / F	L / F
CCV	Ben Paswater	9/1/22	1215	219095	1/24	7.00	21.3	7.03	-15	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 10 180.1, slope from 4 to 7 174.5 (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: _____; 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						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:

Deployment Started 06:41 Am on Sone + 7:47am Real life