

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: **OLD MAN JENKINS**

RQ: **2021-09-13-49**

Project: **CHARLOTTE HARBOR**

- 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 **8/16/21**

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Char mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Monica Jaeger	9/13	701	23.2	763.1	8.4	8.59	100.5		1.09	P/F	L/F
ICV	11	11	703	23.2	763.8	8.6	8.59	100.5			P/F	L/F
CCV	11	11	1506	21.28	762	8.0	8.08	101.9			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.	Monica Jaeger	9/13	708	2611E43	11/22	50000	50000	P/F	L/F
ICV	11	11	709	1010D77	10/22	10000	10138	P/F	L/F
CCV	11	11	1508	1010B77	10/22	10000	10174	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Monica Jaeger	9/13	710	2104J75	4/23	7.00	25.5	7.00	43.2	P/F	L/F
Calibr.	11	11	712	2107E46	07/23	4.01	25.4	4.01	112.2	P/F	L/F
Calibr.	11	11	713	110GE21	12/22	10.00	25.5	10.00	190.6	P/F	L/F
ICV	11	11	715	2107E46	07/23	4.01	25.4	3.97		P/F	L/F
CCV	11	11	1509	110GE21	12/22	100	23.3	9.97		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: **3312 A**; Date of last verification: **8/16/21**

Depth Sensor Name	Name	Date	Time CT-ET	Calibrated Value (0.00 to 0.999 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: