

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: Friday RQ- 2021-08-02-87 Project: Myrtle and Noyah

- 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 05/18/21

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.	Thomas Burke	08/02/21	0704	24.5	758.0	8.5	8.44	99.8		1.04	P/F	L/F
ICV	Thomas Burke	08/02/21	0705	23.5	758.6	8.5	8.50	99.9			P/F	L/F
CCV	MONICA Jaeger	8/2/21	1214	24.9	758.5	8.3	8.23	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.	Thomas Burke	08/02/21	0706	1004984	08/22	2500	2500	P/F	L/F
ICV	Thomas Burke	08/02/21	0708	2011543	11/22	50000	48772	P/F	L/F
CCV	MONICA Jaeger	8/2/21	1210	1105057	10/5/23	100	99.4	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.	Thomas Burke	08/02/21	0715	2103k27	3/23	7.00	25.4	7.00	155.2	P/F	L/F
Calibr.			0720	4105A28	4/25	4.01	25.7	4.01	155.2	P/F	L/F
Calibr.			0721	1106829	11/22	10.00	25.4	12.00	-289.8	P/F	L/F
ICV	Thomas Burke	8/2/21	0722	4105A28	4/23	4.0	25.4	3.96		P/F	L/F
CCV	MONICA Jaeger	8/2/21	1218	1106829	11/22	10.0	23.4	10.16		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 10 155.5/143.8 slope from 4 to 7 150.5 (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: DEEPER 110; Date of last verification: 02/11/21

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: