

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

Meter ID: FRIDAY

RQ-

Project: CCHMN

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 8/16/21

DO DEP SOP FT 1500	Name	Date	Time (EST)	Temp (°C)	Baro (inHg)	DO (mg/L)	DO (ppm)	% DO	Probe (mV)	Probe (°C)	Pass	Lab
Calibr.	Monica Jaeger	11/17/21	654	23.7	762	8.5	8.48	100.3		1.04	P/F	L/F
ICV	"	"	657	23.8	762	8.5	8.48	100.3			P/F	L/F
CCV	11	11	1535	24.1	760	8.1	8.08	100.3			P/F	L/F
CCV	"	"	1535	26.1	760	8.1	8.08	99.9			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 (EST)	Temp (°C)	DO (mg/L)	DO (ppm)	DO (mV)	DO (°C)	Pass	Lab
Calibr.	Monica Jaeger	11/17/21	700	1107655	5/23	50.000	49989		P/F	L/F
ICV	"	"	704	2110062	9/23	100	99.7		P/F	L/F
CCV	"	"	1537	1107655	5/23	50.000	50110		P/F	L/F
CCV									P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time (EST)	Temp (°C)	Exp. Date	pH (mV)	pH (°C)	pH (mV)	pH (°C)	Pass	Lab
Calibr.	Monica Jaeger	11/17/21	711	2107000	7/23	7.01	24.2	3.98	3.1	P/F	L/F
Calibr.	"	"	713	2110040	9/23	4.0	24.3	4.01	177.7	P/F	L/F
Calibr.	"	"	716	4110A80	3/23	10.01	24.6	9.99	173.3	P/F	L/F
ICV	"	"	719	2110040	9/23	4.0	24.3	3.95		P/F	L/F
CCV	"	"	1539	4110A80	3/23	10.01	24.1	9.96		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: Deeper Blue; Date of last verification: 8/16/21

Depth Sensor	Name	Date	Time (EST)	Depth (m)	Depth (ft)	Pass	Lab
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: