

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

Meter ID: **FRIDAY**

RQ- **2021-11-01-58**

Project: **Cont. Flop Buck**

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 C-E-T	Temp °C	Baro-meter mmHg	D.O. Clar. mg/L	Temp °F	% DO	Probe Offset	Pass	Lab
Calibr.	Monica Jaeger	11/1/21	650	22.8	759.7	8.6	8.6	100.0		1.05D	☒ F ☒ F
ICV	"	"	653	22.9	759.7	8.6	8.6	100.0			☒ F ☒ F
CCV	Thomas Baker	11/01/21	1051	27.0	761.2	8.0	7.93	92.9			☒ F ☒ 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 C-E-T	Lot #	Expir. Date	Standard Solution	Meter Reading	Pass	Lab
Calibr.	Monica Jaeger	11/1/21	655	1108C98	8/23	2500	2498	☒ F ☒ F	
ICV	"	"	657	2110D62	9/23	100	99.6	☒ F ☒ F	
CCV	Thomas Baker	11/01/21	1053	1107655	5/23	50000	50776	☒ F ☒ F	
CCV								P/F L/F	

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1300	Name	Date	Time C-E-T	Lot #	Expir. Date	pH Buffer	Temp °C	Meter Reading	Pass	Lab
Calibr.	Monica Jaeger	11/1/21	658	2104J75	4/23	7.01	24.6	7.11	-2.4	☒ F ☒ F
Calibr.	"	"	701	2107E44	7/23	4.01	24.6	4.0	181.2	☒ F ☒ F
Calibr.	"	"	703	4110A80	3/23	10.01	24.5	9.95	-119.8	☒ F ☒ F
ICV	"	"	705	2107E46	7/23	4.01	24.6	3.94		☒ F ☒ F
CCV	Thomas Baker	11/01/21	1055	4110A80	3/23	10.02	24.1	10.02		☒ F ☒ 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 **172.2**, slope from 4 to 7 **178.8** (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 Daily Calibration	Name	Date	Time C-E-T	Calibrated Value (m or f)	ICV Value (m or f)	Pass	Lab
ICV							
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: