

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- 2021-11-29-29

Project: Carroll Canal

HA/SCJ

- 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 11/30/21

DO FDEP SOP FT 1500	Name	Date	Time G/E/F	Temp °C	Baro mmHg	DO mg/L	DO % Sat	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s
Calibr.	Thomas Baker	12/1/21	0707	24.0	761.7	8.4	8.46	100.2						1.048	P/F L/F
ICV	Thomas Baker	12/1/21	0709	24.0	761.8	8.4	8.51	101.0							P/F L/F
CCV	Thomas Baker	12/1/21	1513	23.4	760.0	8.5	8.46								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 Gond F21200	Name	Date	Time G/E/F	Lot#	Exp Date	Standard Amplification	Water Reading Units/cm	Pass	Fail
Calibr.	Thomas Baker	12/1/21	0712	1108C98	8/23	2500	2500	P/F	L/F
ICV	Thomas Baker	12/1/21	0716	2109K87	9/23	100	100.0	P/F	L/F
CCV	Thomas Baker	12/1/21	1516	1108C98	8/23	2500	2499	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir	DO	Temp	Depth	DO	Pass	Exp
Ft 1000			G/E/F		Date	mg/L	°C	Feet	% Sat		
Calibr.	Thomas Baker	12/1/21	0717	2107100	7/23	7.00	23.9	4.01		P/F	L/F
Calibr.	"	"	0719	2110040	9/23	4.01	23.9	4.00		P/F	L/F
Calibr.	"	"	0722	2109176	3/23	10.02	23.9	10.01		P/F	L/F
ICV	Thomas Baker	12/1/21	0724	2110040	9/23	4.01	23.9	3.95		P/F	L/F
CCV	Thomas Baker	12/1/21	1518	2109176	3/23	10.02	23.9	10.06		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: 08/16/21

Depth Sensor Name	Date	Time G/E/F	Temp °C	DO mg/L	DO % Sat	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s	DO m/s
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: