

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: My Boy Blue

RQ- 7022-09-05-40

Project: SWP Cont. Spring Creek

- 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 7/13/22

DO FDEP SOP FT 1500	Name	Date	Time CET	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.	William Miller	08/31/22	0706	23.3	760.1	8.5	8.50	99.8		1.142	P/F	L/F
ICV	"	"	"	23.3	760.1	8.5	8.55	100.1			P/F	L/F
CCV	Monica Jaeger	9/14/22	1121	22.4	760.3	8.7	8.62	99.7			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 CET	Lot #	Exp. Date	Standard pH/mV/cm	Meter Reading pH/mV/cm	Pass / Fail	Lab / Field
Calibr.	William Miller	08/31/22	0717	220309	07/23	50,000	50,000	P/F	L/F
ICV	"	"	"	2202981	07/23	10,000	10,058	P/F	L/F
CCV	Monica Jaeger	9/14/22	1117	220309	3/23	50,000	49943	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CET	Lot #	Exp. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	William Miller	08/31/22	0727	2205354	05/24	7.01	20.6	7.01	-41.8	P/F	L/F
Calibr.	"	"	"	2206461	05/24	4.01	22.0	4.01	135.2	P/F	L/F
Calibr.	"	"	"	2204472	08/23	10.04	21.8	10.04	-21.2	P/F	L/F
ICV	"	"	"	2206461	05/24	4.01	20.2	4.00		P/F	L/F
CCV	Monica Jaeger	9/14/22	1118	2204472	8/23	10.04	22.3	10.07		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 10 169.4, slope from 4 to 7 187 (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: _____; Date of last verification: _____

Depth Sensor (Data Collection Mode) (ICV)	Name	Date	Time CET	Calibrated Value (U.S. ft) (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: