

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

Meter ID: Bmy Boy Blue

RQ:

Project: Spring Creek

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 01/05/22

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 Baker	03/28/22	0715	25.0	765.4	8.3	8.32	100.7		1.2075	P/F	L/F
ICV	Thomas Baker	03/28/22	0716	25.26	765.3	8.3	8.35	100.6			P/F	L/F
CCV	William Miller	03/28/22	1055	25.2	766.0	8.3	8.45	102.8			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 Baker	03/21/22	0720	1107981	7/23	10000	10000	P/F	L/F
ICV	Thomas Baker	03/21/22	0722	220309	3/23	50000	50028	P/F	L/F
CCV	William Miller	03/28/22	1057	220309	3/23	50.000	44950	P/F	L/F
CCV	William Miller	03/28/22	1058	1107981	7/23	10000	9983	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 Baker	03/21/22	0730	1112468	11/23	7.01	21.2	7.02	153.8	P/F	L/F
Calibr.			0732	2112973	12/23	4.00	21.4	4.00	153.8	P/F	L/F
Calibr.			0734	21122071	6/23	10.05	21.4	10.04	149.4	P/F	L/F
ICV	Thomas Baker	03/21/22	0736	2112973	12/23	4.01	21.5	4.03		P/F	L/F
CCV	William Miller	03/28/22	1002	21122071	6/23	10.03	23.4	10.00		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 10 178.8, slope from 4 to 7 174.4 (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: 02/24/22

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 3312A; Date of last verification: 3/22/22

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: