

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

Meter ID: FRIDAY

RQ: 2021-10-04-66

Project: SMP: Billy 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 08/16/21

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.	Nicole Reistad	10/05/21	0720	22.6	756.0	8.6	8.59	99.5	—	1.069	(P) F	(L) F
ICV			0721	22.7	756.0	8.6	8.60	99.5	—	—	(P) F	(L) F
CCV	William Mullen	10/05/21	1310	28.0	756.5	7.8	7.89	100.8	—	—	(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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Nicole Reistad	10/05/21	0724	1009989	08/22	2500	2500	(P) F	(L) F
ICV			0726	1010D77	10/22	10,000	9817	(P) F	(L) F
CCV	William Mullen	10/05/21	1322	1009989	08/22	2500		P / F	L / F
CCV	William Mullen	10/05/21	1323	1108972	07/23	100	99.8	(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.	Nicole Reistad	10/05/21	0730	2104J75	04/23	7.00	24.0	7.01	-12.5	(P) F	(L) F
Calibr.			0732	2107E46	07/23	4.01	23.9	4.00	165.9	(P) F	(L) F
Calibr.			0733	1106E21	12/22	10.02	23.9	10.01	-185.8	(P) F	(L) F
ICV				2107E46	07/23	4.01	23.9	4.01		(P) F	(L) F
CCV	William Mullen	10/05/21	1326	1106E21	12/22	10.03	23.1	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 10 173.3, slope from 4 to 7 178.4 (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:

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 (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: