

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: 2021-05-24-16 Project: Billy 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 05/18/21

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.	MONICA Jaeger	05/27/21	0800	22.3	760.8	8.7	8.64	99.4		1.041	P/F	L/F
ICV	MONICA Jaeger	11	0801	22.3	760.8	8.7	8.70	100.1			P/F	L/F
CCV	11	11	1408	23.9	759.7	8.4	8.47	100.5			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.	MONICA Jaeger	05/27/21	0804	1009989	8/22	2500	2500	P/F	L/F
ICV	11	11	0805	2103E96	3/23	100	100.1	P/F	L/F
CCV	11	11	1403	2103E96	3/23	100	101.0	P/F	L/F
CCV								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.	MONICA Jaeger	05/27/21	0807	2101F99	01/23	7.01	23.9	7.01	-55.0	P/F	L/F
Calibr.	11	11	0811	4102K63	02/23	4.00	24.0	4.00	120.1	P/F	L/F
Calibr.	11	11	0813	1102821	7/22	10.01	23.8	10.01	-225.5	P/F	L/F
ICV	11	11	0814	4102K63	02/23	4.00	24.0	3.99		P/F	L/F
CCV	11	11	0814	1102821	7/22	10.00	23.7	10.15		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: 02/11/21

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: