

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

Meter ID: Dephable

RQ- 2020-03-09-55

Project: SMP-Lee 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 1/24/20

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.	Miranda Carroll	3/12/20	0709	23.07	760	8.6	8.59	100.0		-78.9	Ⓟ/F	Ⓟ/F
ICV	"	"	0714	23.02	760	8.6	8.60	100.3			Ⓟ/F	Ⓟ/F
CCV	Gary Smith	3/12/20	1256	22.67	760	8.6	8.50	98.4			Ⓟ/F	Ⓟ/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.	Miranda Carroll	3/12/20	0715	2001D14	1/22	1000	1000	Ⓟ/F	Ⓟ/F
ICV	"	"	0718	291093	11/21	100	106	Ⓟ/F	Ⓟ/F
CCV	Gary Smith	3/12/20	1258	2912745	11/21	10,000	10,038	Ⓟ/F	Ⓟ/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.	Miranda Carroll	3/12/20	0721	195339	8/21	7.00	24.09	7.00	-47.6	Ⓟ/F	Ⓟ/F
Calibr.	"	"	0724	196401	9/21	4.01	24.09	4.00	121.9	Ⓟ/F	Ⓟ/F
Calibr.	"	"	0729	196944	11/21	10.02	24.14	9.99	-214.7	Ⓟ/F	Ⓟ/F
ICV	"	"	0730	196401	9/21	4.01	24.09	3.93		Ⓟ/F	Ⓟ/F
CCV	Gary Smith	3/12/20	1300	196944	11/21	10.02	23.75	9.96		Ⓟ/F	Ⓟ/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) Sechin Disk Line / Sonar Unique ID: Reaper Blue; Date of last verification: 12/20/19

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: