

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

Boldly "X" this box if there is qualified data on this name.

Meter ID: PRO DSS

RQ- 2018-11-26-21

Project: Sonde Ret. Craig 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site LAB

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/2018

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	C. Ruben	12-27-18	0816	21.7	8.80	8.86	100	-	-	P/F	L/F
ICV	↓	↓	0813	21.7	8.80	8.86	100	-	-	P/F	L/F
CCV	C. Ruben	↓	1113	19.9	9.10	9.20	102	-	-	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	C. Ruben	12-27-18	0816	181102	11/2019	1000	1000	P/F	L/F
ICV	↓	↓	0820	180711B	7/2019	100	103	P/F	L/F
CCV	↓	↓	1120	181102	11/2019	1000	1000	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	C. Ruben	12-27-18	0822	2809B32	9/2020	7.0	7.08	-36.8	P/F	L/F
Calibr.	↓	↓	0825	2810B32	9/2020	4.0	3.99	145.8	P/F	L/F
Calibr.	↓	↓	0828	1806F51	12/2019	10.0	10.01	-208.2	P/F	L/F
ICV	↓	↓	0831	2809B41	8/2020	7.0	7.05	-35.3	P/F	L/F
CCV	C. Ruben	12-27-18	1125	1806F51	12/2019	10.0	10.01	-208.8	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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 10/2018

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	C. Ruben	12-27-18	0833	0.00	0.0	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:

BP 12/27/18 1/14/19 JP 1/4/19