

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: Old Man Jenkins RQ- 2021-09-20-88 Project: Ch. Ewalders

- 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 11/30/21

DO FDEP 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	12/07/21	0633	24.8	763.2	8.3	8.33	100.4		0.998	P/F	L/F
ICV	Thomas Baker	12/07/21	0634	24.8	763.2	8.3	8.33	100.4			P/F	L/F
CCV	Thomas Baker	12/07/21	1720	24.03	762.5	8.5	8.53	121.9			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 #	Exp. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	12/07/21	0636	1106354	6/23	10000	10000	P/F	L/F
ICV	Thomas Baker	12/07/21	0638	1107655	5/23	50000	50550	P/F	L/F
CCV	Thomas Baker	12/07/21	1724	1106354	6/23	10000	10000	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Exp. Date	pH Buffer SU	Temp. °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	12/07/21	06:47	2107100	7/23	6.99	24.6	7.01		P/F	L/F
Calibr.	"	"	0649	2110040	9/23	4.01	24.9	4.01		P/F	L/F
Calibr.	"	"	0652	2109276	3/23	10.01	24.8	10.01		P/F	L/F
ICV	Thomas Baker	12/07/21	0654	2110040	9/23	4.01	24.9	3.97		P/F	L/F
CCV	Thomas Baker	12/07/21	1728	2109276	3/23	10.02	24.19	10.09		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: 3312A/GW Date of last verification: 08/16/21

Depth Sensor (Date Calibration)	Name	Date	Time CT-ET	Calibrated Value (Buffer 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: