

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-

Project: CCHMV

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 FDEP SOP FT 1400	Name	Date	Time (M:PT)	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	%DO	Probe Gauge	Probe Gauge	Pass	Lab
Calibr.	Thomas Baker	09/08/21	0700	23.8	759.8	8.4	8.45	100.0		1.08	P/F	L/F
ICV	Thomas Baker	09/08/21	0702	23.79	759.8	8.4	8.45	100.0			P/F	L/F
CCV	Thomas Baker	09/08/21	1500	21.9	759.2	8.4	8.41	99/100.2			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. Gain FT 1400	Name	Date	Time (M:PT)	Lot #	Exp. Date	Standard mMoles/cm	Meter Reading mMoles/cm	Pass	Lab
Calibr.	Thomas Baker	09/08/21	0705	1009489	8/22	2500	2500	P/F	L/F
ICV	Thomas Baker	09/08/21	0706	4108672	7/23	100	100.5	P/F	L/F
CCV	Thomas Baker	09/08/21	1500	2011643	11/22	50000	48990	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FD 1400	Name	Date	Time (M:PT)	Lot #	Exp. Date	pH Buffer SU	Temp °C	Meter Reading SU	Pass	Lab
Calibr.	Thomas Baker	09/08/21	0708	2104375	4/23	7.00	24.7	7.00	P/F	L/F
Calibr.			0709	2107E46	6/23	4.01	24.9	4.01	P/F	L/F
Calibr.			0700	1106E21	12/22	10.01	24.7	10.01	P/F	L/F
ICV	Thomas Baker	09/08/21	0712	2107E46	7/23	4.01	24.8	3.98	P/F	L/F
CCV	Thomas Baker	09/08/21	1503	1106E21	12/22	10.02	23.5	9.95	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: _____; Date of last verification: 08/16/21

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time (M:PT)	Calibrated Value (0.00 or 0.05) meters	IG Name (meters)	Pass	Lab
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: