

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

Meter ID: Friday

RQ- 2021-12-06-56

Project: Orange to Corkscrew

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 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	12/08/21	0657	24.2	759.0	8.4	8.40	99.9		1.0418	P/F	L/F
ICV	"	12/08/21	0700	24.0	759.0	8.4	8.40	99.8			P/F	L/F
CCV	Thomas Baker	12/08/21	1007	23.1	759.6	8.6	8.58	99.2			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 Cond FDEP SOP FD 200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	12/08/21	0701	1108198	8/23	2500	2500	P/F	L/F
ICV	"	12/08/21	0704	2109187	9/23	100	99.9	P/F	L/F
CCV	Thomas Baker	12/08/21	1009	1108198	9/23	2500	2509	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FD 100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	12/08/21	0709	2107100	7/23	7.00	24.5	7.01		P/F	L/F
Calibr.	"	"	0718	2107140	9/23	4.01	24.3	4.00		P/F	L/F
Calibr.	"	"	0721	2109176	3/23	10.01	24.5	10.01		P/F	L/F
ICV	Thomas Baker	12/08/21	0724	2107100	7/23	4.01	24.0	4.01		P/F	L/F
CCV	Thomas Baker	12/08/21	1012	2109176	3/23	10.02	24.2	10.14		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: 08/16/21

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: