

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: Brd Lacey RQ- 2023-01-02-55 Project: SMP Cont. Mon.

- 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 10/10/22

DO Depth FT (m)	Name	Date	Temp 5 ft	Temp 2 ft	DO meter mg/L	DO Chart mg/L	Meter DO mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	William Miller	01/04/23	0726	23.4	763.4	8.5	8.50	99.2		0.944	(P) F	(L) F
ICV	William Miller	01/04/23	0724	23.3	763.2	8.6	8.51	99.8			(P) F	(L) F
CCV	William Miller	01/18/23	1211	21.4	763.3	8.9	8.80	99.4			(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 Code Range	Name	Date	Temp 5 ft	Lot #	Expir Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	William Miller	01/04/23	0731	220309	03/23	50,000	50,000	(P) F	(L) F
ICV	William Miller	01/04/23	0737	1107981	07/23	10,000	9980	(P) F	(L) F
CCV	William Miller	01/18/23	1215	220309	03/23	50,000	51,903	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

PH Depth FT (m)	Name	Date	Temp 5 ft	Lot #	Expir Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	William Miller	01/04/23	0740	2208254	05/24	7.00	23.0	7.00	-16.5	(P) F	(L) F
Calibr.			0743	2207815	06/24	4.01	22.0	4.01	15.6	(P) F	(L) F
Calibr.			0748	4208577	02/24	10.04	22.0	10.04	-299.0	P / F	L / F
ICV			0751	2207815	06/24	4.01	22.0	3.98		(P) F	(L) F
CCV	William Miller	01/18/23	1223	4208577	02/24	10.05	20.9	9.78		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 10 152.5, slope from 4 to 7 162.1 (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: 33123; Date of last verification: 08/28/22

Pressure mode	Date	Time EST	Calibrated Value (ft/m)	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:

Failed pH post cal