

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: President Canale

RQ: 2012-06-25-32
2022-06-27-20

Project: Gladys Slough
12 AIS: Bloom K. response

- 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 04/14/22

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 Bate	06/23/22	0701	25.3	760.1	8.2	8.23	100.0		1.0228	(B) / F	(L) / F
ICV	Thomas Bate	06/23/22	0703	25.3	760.3	8.2	8.23	100.1			(P) / F	(L) / F
CCV	Thomas Bate	06/23/22	1817	24.0	758.9	8.4	8.34	100.1			(B) / 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 #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Bate	06/23/22	0706	2204100	3/24	2500	2500	(P) / F	(L) / F
ICV	Thomas Bate	06/23/22	0708	211228	12/23	100	99.6	(P) / F	(L) / F
CCV	Thomas Bate	06/23/22	0752	2204100	3/24	2500	2499	(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 #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Bate	06/23/22	0717	2112697	11/23	7.00	25.2	7.00		(B) / F	(L) / F
Calibr.			0718	4222048	11/23	4.01	24.0	4.00		(P) / F	(L) / F
Calibr.			0721	422048	7/23	10.03	23.4	10.02		(P) / F	(L) / F
ICV	Thomas Bate	06/23/22	0723	2203624	03/24	4.01	24.1	4.02		(B) / F	(L) / F
CCV	Thomas Bate	06/23/22	1522	4202048	7/23	10.03	22.9	10.08		(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: 33124; Date of last verification: 02/24/22

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: