

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 Cancho

RQ: 2022-09-

Project: Coral Creek

- 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 07/13/22

DO DEP 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	09/20/22	0652	22.9	759.6	8.6	8.61	99.9		1.0257	(P) F	(L) F
ICV	Thomas Baker	09/20/22	0653	22.8	759.7	8.6	8.61	100.0			(P) F	(L) F
CCV	William Miller	09/20/22	1449	23.7	758.7	8.5	8.44	99.8			(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 #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	09/20/22	0657	220309	03/23	50000	50000	(P) F	(L) F
ICV	Thomas Baker	09/20/22	0659	1107981	7/23	10000	10063	(P) F	(L) F
CCV	William Miller	09/20/22	1451	220309	03/23	50000	49800	(P) F	(L) F
CCV	William Miller	09/20/22	1452	2208A58	07/24	2500	2590	(P) F	(L) F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	09/20/22	0705	2104575	04/23	7.01	21.7	7.02		(P) F	(L) F
Calibr.			0706	2206A61	5/24	4.00	22.5	4.00		(P) F	(L) F
Calibr.			0708	2204H72	10/23	10.03	22.7	10.03		(P) F	(L) F
ICV	Thomas Baker	09/20/22	0710	2206A61	5/24	4.00	22.9	4.00		(P) F	(L) F
CCV	William Miller	09/20/22	1455	2204H72	10/23	10.03	22.6	10.06		(P) F	(L) F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range $\pm 180 \pm 50$; 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: 08/29/22

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: