

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 Camacho RQ: 2024-02-05-25 Project: SCCF: Algal Dynamic Study

- 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 01/17/24

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.	Emily Atkinson	03/11/24	7:20	22.3	764.9	8.80	8.74	100.6	-	1.039	P/F	L/F
ICV	"	"	7:22	22.5	764.8	8.70	8.75	100.9	-	-	P/F	L/F
CCV	Emily Atkinson	03/11/24	15:43	24.8	764.4	8.30	8.30	99.9	-	-	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Emily Atkinson	03/11/24	7:26	2309J21	09/25	2500	2500	P/F	L/F
ICV	"	"	7:27	2306J21	06/25	100	103.2	P/F	L/F
CCV	Emily Atkinson	03/11/24	15:44	2309J21	09/25	2500	2498	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP 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.	Emily Atkinson	03/11/24	7:30	230607B	12/24	7.01	22.8	7.01	76.6	P/F	L/F
Calibr.	"	"	7:32	2309H15	08/25	4.01	22.7	4.00	93.3	P/F	L/F
Calibr.	"	"	7:34	2308P48	02/25	10.03	22.9	10.04	246.1	P/F	L/F
ICV	"	"	7:38	2309H15	08/25	4.01	22.6	3.96	-	P/F	L/F
CCV	Emily Atkinson	03/11/24	15:46	2308P48	02/25	10.03	22.9	10.22	-	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 10 168.8, slope from 4 to 7 170.1 (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: Deep Blue; Date of last verification: 01/17/24

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: