

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: **FRIDAY**

RQ- **2022-09-05-68**

Project: **ALGAE**

- 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.	NICOLE REISTAD	09/13/22	1103	21.9	755.9	8.7	8.71	99.5	—	1.047	P/F	L/F
ICV			1105	21.9	755.8	8.7	8.71	99.5	—	—	P/F	L/F
CCV	Craig Smedley	9/13/22	1330	26.3	759.8	8.0	7.93	98.2			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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	NICOLE REISTAD	09/13/22	1119	2208A58	07/24	2500	2500	P/F	L/F
ICV			1122	1107981	07/23	10,000	9978	P/F	L/F
CCV	Craig Smedley	9/13/22	1333	2208A58	07/24	2500	2499	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.	NICOLE REISTAD	09/13/22	1124	2104J75	04/23	7.00	23.0	7.01	-26.8	P/F	L/F
Calibr.			1126	2206A61	05/24	4.01	22.0	4.00	153.8	P/F	L/F
Calibr.			1128	2204H72	10/23	10.04	21.4	10.04	-197.1	P/F	L/F
ICV			1129	2206A61	05/24	4.01	21.4	4.00	—	P/F	L/F
CCV	Craig Smedley	9/13/22	1335	2209H72	10/23	10.04	20.1	10.09		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 **160.3**, slope from 4 to 7 **180.6** (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: **08/29/22**

If NO, what will be used? (circle one) **Secchi Disk Line** / Sonar Unique ID: **3312B**; 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: