

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: Resident Camacho RQ: 2022-11-28-24 Project: Lee Biology

- 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	DEP SOP	Name	Date	Time	Temp	Baro	D.O.	Chart	D.O.	Meter	% DO	Probe	Charge	Probe	Gain	Pass	Lab
FT 1500		Monica Jaeger	12/6/22	6:48	21.9	765.1	8.8	8.82	100.7	1.020							Field
Calibr.																	Field
ICV																	Field
ICV																	Field
CCV																	Field
CCV																	Field

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.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Reading	umhos/cm	Pass	Lab
FT 1200		Monica Jaeger	12/6/22	6:51	2208A58	7/24	2500	2500	100.9	2501		Field
Calibr.												Field
ICV												Field
CCV												Field
CCV												Field

Conductivity Acceptance criteria $\pm 5\%$

pH	DEP SOP	Name	Date	Time	Lot #	Expir.	Date	pH	Buffer	Temp	Meter	Reading	SV	Pass	Lab
FT 1100		Monica Jaeger	12/6/22	6:54	2205E54	5/24	7.01	22.4	7.01						Field
Calibr.															Field
Calibr.															Field
ICV															Field
Calibr.															Field
ICV															Field
CCV															Field
CCV															Field

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: 3312A Date of last verification: 8/9/22

Depth Sensor	Name	Date	Time	Calibrated	Offset, meters	ICV Value, meters	Pass	Lab
(Daily Calibration & ICV)								
Pressure mode in air								

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

REMARKS: