

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:

2022-11-07-34
2022-12-05-51

Project:

PHOTO LAKES

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 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.	Monica Jaeger	12/14/22	1057	22.0	762.0	8.8	8.76	100.3		1.029	(P) F	(L) F
ICV	11	11	702	22.0	762.1	8.8	8.75	100.2			(P) F	(L) F
CCV	Monica Jaeger	11	1619	22.2	760.5	8.7	8.74	100.5			(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.	Monica Jaeger	12/14/22	704	2208A58	7/24	2500	2500	(P) F	(L) F
ICV	11	11	706	2112E28	12/23	100	99.5	(P) F	(L) F
CCV	Monica Jaeger	11	1622	2208A58	7/24	2500	2497	(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.	Monica Jaeger	12/14/22	713	2205E54	5/24	7.01	23.3	7.01	—	(P) F	(L) F
Calibr.	11	11	715	2206A61	5/24	4.00	23.1	4.00	—	(P) F	(L) F
Calibr.	11	11	717	4208577	2/24	10.02	23.1	10.02	—	(P) F	(L) F
ICV	11	11	719	2206A61	5/24	4.00	22.9	4.01	—	(P) F	(L) F
CCV	Monica Jaeger	11	1625	4208577	2/24	10.05	21.3	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: 3312A ; Date of last verification: 8/29/22

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: