

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: President Camacho

RQ- 2022-7-18-54

Project: TEN THOUSAND ISLAND

Boldly "X" box if there qualified data on this page.

- 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 7/13/22

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
FDEP SOP			CT-ET	°C	meter	Chart	D.O.		Charge	Gain	/	/
FT 1500					mmHg	mg/L	mg/L				Fail	Field
Calibr.	Monica Jaeger	7/18/22	655	20.9	763.4	9.0	8.97	100.8		1.017	P/F	L/F
ICV	"	7/18/22	657	21.0	763.4	9.0	8.96	100.5			P/F	L/F
CCV	"	"	1502	21.2	763.6	8.4	8.54	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	Name	Date	Time	Lot #	Expir	Standard	Meter	Pass	Lab
Cond			CT-ET		Date	µmhos/cm	Reading	/	/
FT 1200							µmhos/cm	Fail	Field
Calibr.	Monica Jaeger	7/18/22	700	2205C35	4/24	2500	2500	P/F	L/F
ICV	"	"	702	220309	3/23	50,000	50,204	P/F	L/F
CCV	"	"	1458	2204D30	4/24	100	99.9	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir	pH	Temp	Meter	mV	Pass	Lab
FDEP SOP			CT-ET		Date	Buffer	°C	reading		/	/
FT 1100						SU		SU		Fail	Field
Calibr.	Monica Jaeger	7/18/22	704	2202G37	2/24	7.01	22.1	7.01	25.5	P/F	L/F
Calibr.	"	"	708	2203G24	3/24	4.0	21.9	4.0	150.9	P/F	L/F
Calibr.	"	"	710	2202AG5	7/23	10.03	22.2	10.03	199.3	P/F	L/F
ICV	"	"	712	2203G24	3/24	4.0	22.1	3.99		P/F	L/F
CCV	"	"	1500	2202AG5	7/23	10.03	22.7	10.12		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 10 173.8, slope from 4 to 7 176.4 (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: 2/24/22

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)			CT-ET	Value (0.00 or Offset), meters	meters	Fail	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 $\pm 0.05m$, whichever is greater.

COMMENTS: