

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- 2022-05-02-55

Project: Highland 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 4/14/22

DO	Name	Date	Time	Temp	Bare-	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
FDEP SOP			GP-ET	°C	meter	Gain	DO		Gain	Gain		
FT 1500					range	mg/L	mg/L					
Calibr.	Monica Jaeger	5/5/22	654	21.6	762.4	8.8	8.83	100.3		1.020	(P) F (L) F	
ICV	"	5/5/22	657	21.7	762.4	8.8	8.83	100.4			(P) F (L) F	
CCV	William Noller	05/05/22	1627	25.6	760.6	8.2	8.17	100.0			(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 #	Exp.	Standard	Meter	Pass	Lab
Gain			GP-ET		Date	DO	DO		
FT 1200									
Calibr.	Monica Jaeger	5/5/22	700	2204C00	3/24	2500	2500	(P) F (L) F	
ICV	"	"	701	2112E28	12/23	100	100	(P) F (L) F	
CCV	William Noller	05/05/22	1630	2204C00	3/24	2500	2498	(P) F (L) F	
CCV								P / F L / F	

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Exp.	pH	Temp	Meter	Pass	Lab
FDEP SOP			GP-ET		Date	DO	°C	DO		
FT 1400										
Calibr.	Monica Jaeger	5/5/22	703	112468	11/23	7.01	22.6	7.01	(P) F (L) F	
Calibr.	"	"	705	2203624	3/24	4.01	22.6	4.0	(P) F (L) F	
Calibr.	"	"	707	4202048	6/23	10.03	22.5	10.03	(P) F (L) F	
ICV	"	"	710	2203624	3/24	4.01	22.9	4.04	(P) F (L) F	
CCV	William Noller	05/05/22	1634	4262648	6/23	10.03	23.2	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 _____, 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: 2/24/22

Depth	Name	Date	Time	Lot #	Exp.	Depth	Temp	Meter	Pass	Lab
Depth			GP-ET		Date	DO	°C	DO		
Depth										
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: