

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: 2022-04-18-39

Project: CM: Hattchot

2021-08-02-60

of 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

4/14/22

DO	Name	Date	Time	Temp	Baro	DO	DO	%DO	Probe	Probe	PASS	LED
DEP SOP			CHRT	DO	meter	CHRT	DO	DO	Grass	Grass		
FT 1500					cmHg		mg/L					
Calibr.	Monica Jaeger	4/26/22	659	25.4	764.9	8.2	8.22	100.4		1.022	P/F	L/F
ICV	"	"	700	25.7	765	8.2	8.21	100.7			P/F	L/F
CCV	"	"	1422	22.3	764	8.7	8.68	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	Name	Date	Time	Temp	Standard	Probe	PASS	LED
Gain			CHRT	DO	DO	DO		
FT 1200					DO	DO		
Calibr.	Monica Jaeger	4/26/22	703	1107981	7/23	10,000	10,000	P/F L/F
ICV	"	"	704	2112628	12/23	100	99.6	P/F L/F
CCV	"	"	1425	220309	3/23	50,000	49765	P/F L/F
CCV								P/F L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Temp	Temp	Temp	Temp	Temp	Temp	PASS	LED
DEP SOP			CHRT	DO	DO	DO	DO	DO	DO		
FT 1200											
Calibr.	Monica Jaeger	4/26/22	707	112468	11/23	7.0	258	7.0	-20.1	P/F	L/F
Calibr.	"	"	708	2203624	3/24	4.6	25.8	4.0	162.8	P/F	L/F
Calibr.	"	"	709	4202048	6/23	10.0	25.8	10.0	190.8	P/F	L/F
ICV	"	"	712	2203624	3/24	4.0	25.1	4.0		P/F	L/F
CCV	"	"	1426	4202048	6/23	10	23.6	10.07		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	Temp	Temp	Temp	Temp	Temp	Temp	PASS	LED
DEP SOP			CHRT	DO	DO	DO	DO	DO	DO		
FT 1200											
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: