

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

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

Meter ID: Friday RQ: 2021-07-26-04 Project: Myakka Creek

- 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 05/18/21

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.	Thomas Hake	07/24/21	0654	23.3	757.7	8.5	8.50	99.7		1.05	Ⓟ/F	Ⓟ/F
ICV	Thomas Hake	07/24/21	0655	23.4	757.7	8.5	8.52	100.1			Ⓟ/F	Ⓟ/F
CCV	Monica Jaeger	11	1215	22.4	759.0	8.7	8.69	100.1			P/F	L/F
CCV												

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.	Thomas Hake	07/29/21	0656	1009489	8/12	2500	2500	Ⓟ/F	Ⓟ/F
ICV	Thomas Hake	07/29/21	0657	2011E43	11/2	5000	48919	Ⓟ/F	Ⓟ/F
CCV	Monica Jaeger	11	1212	1105057	5/23	100	100	Ⓟ/F	Ⓟ/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.	Thomas Hake	07/29/21	0659	2103623	3/23	7.00	23.9	7.00		Ⓟ/F	Ⓟ/F
Calibr.	Thomas Hake	07/29/21	0659	4105A25	4/23	4.01	23.9	4.01		Ⓟ/F	Ⓟ/F
Calibr.	Thomas Hake	07/29/21	0700	1106829	11/2	10.02	23.6	10.02		Ⓟ/F	Ⓟ/F
ICV	Thomas Hake	07/29/21	0702	4105A25	4/23	4.01	23.8	3.93		Ⓟ/F	Ⓟ/F
CCV	Monica Jaeger	11	1214	1106829	11/22	10.02	22.8	10.12		Ⓟ/F	Ⓟ/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: DECEMBER 11/21 Date of last verification: 2/11/21

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: