

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: Shrimp Trap

RQ- 2023 05-22-09

Project: SMP

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 4/14/23

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.	Terry Riordan	5/22/23	0723	23.0	756.0	8.5	8.53	99.5	/	1.023	P/F	L/F
ICV	1	1	0725	23.0	756.2	8.5	8.53	99.5	/	1.023	P/F	L/F
CCV	Katie March	1	1620	23.9	755.5	8.4	8.64	102.4	/	1.023	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	5/22/23	0735	2212831	12/24	1000	1000	P/F	L/F
ICV	1	1	0740	2207695	07/24	100	100.6	P/F	L/F
CCV	K. March	1	1623	2207695	7/24	100	100.4	P/F	L/F
CCV			1625	2212062	12/24	10,000	9947	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.	Terry Riordan	5/22/23	0748	223156	06/24	7.001	23.4	7.01	-44.8	P/F	L/F
Calibr.	1	1	0752	225424	11/24	4.00	23.7	4.00	133.6	P/F	L/F
Calibr.	1	1	0756	222715	07/24	10.02	23.2	10.02	-222.0	P/F	L/F
ICV	1	1	0800	222715	07/24	10.02	23.1	10.01	-221.1	P/F	L/F
CCV	K. March	1	1630	225424	11/24	4.00	23.5	4.00	129.7	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 ± 50 ; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 177.2, slope from 4 to 7 178.4 (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: 4/14/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Light; Date of last verification: 5/17/23

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	Terry Riordan	5/22/23	0801	0.272	0.274	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:

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

~~Do not~~ Boldly ~~mark~~ this box if there are qualified data on this page.

Meter ID: Craw Daddy RQ: 2023-05-08-14 Project: STATUS 25LL

- 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 4/14/23

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.	Terry Riordan	5/22/23	0726	23.3	756.8	8.5	8.48	99.4	/	1.035	P/F	L/F
ICV	1	1	0727	23.3	756.0	8.5	8.48	99.5	/	1	P/F	L/F
CCV	Terry Riordan	1	1759	23.1	755.5	8.5	9.40	109.8	/	1	P/F	L/F
CCV	Terry Riordan	5/23/23	0650	23.2	755.8	8.5	9.41	110.0	/	1	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	5/22/23	0735	2212831	12/24	1000	1000	P/F	L/F
ICV	1	1	0739	2207695	07/24	100	101.2	P/F	L/F
CCV	Terry Riordan	1	1753	2207695	07/24	100	100.9	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.	Terry Riordan	5/22/23	0746	223156	06/24	7.00	23.5	7.00	-39.1	P/F	L/F
Calibr.	1	1	0751	225424	11/24	4.00	23.8	4.00	139.0	P/F	L/F
Calibr.	1	1	0755	222715	07/24	10.02	23.3	10.02	-216.2	P/F	L/F
ICV	1	1	0759	222715	07/24	10.02	23.1	10.03	-216.5	P/F	L/F
CCV	Terry Riordan	1	1755	225424	11/24	4.00	23.5	4.08	134.3	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 10 177.1, slope from 4 to 7 178.0 (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: 4/14/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Knothead; Date of last verification: 5/17/23

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	Terry Riordan	5/22/23	0759	0.272	0.220	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:

DO Failed CCV