

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- 2023-04-17-18

Project: SMP

2023-04-17-32

HAB

- 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	4/25/23	0705	22.5	756.5	8.6	8.61	99.5	/	1.023	Ⓟ/F	Ⓛ/F
ICV			0707	22.5	756.5	8.6	8.61	99.5	/	/	Ⓟ/F	Ⓛ/F
CCV	Terry Riordan		1420	27.1	756.3	7.9	8.10	101.8	/	/	Ⓟ/F	Ⓛ/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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Terry Riordan	4/25/23	0718	2207293	06/24	1000	1000	Ⓟ/F	Ⓛ/F
ICV			0722	2207695	07/24	100	100.0	Ⓟ/F	Ⓛ/F
CCV	Terry Riordan		1422	2207695	07/24	100	99.9	Ⓟ/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.	Terry Riordan	4/25/23	0726	223156	06/24	7.01	23.1	7.01	-41.4	Ⓟ/F	Ⓛ/F
Calibr.			0731	225424	11/24	4.00	23.4	4.00	137.6	Ⓟ/F	Ⓛ/F
Calibr.			0735	222715	07/24	10.02	23.1	10.02	-218.8	Ⓟ/F	Ⓛ/F
ICV			0744	222715	07/24	10.02	23.1	9.99	-217.1	Ⓟ/F	Ⓛ/F
CCV	Terry Riordan		1424	225424	11/24	4.00	23.3	4.08	132.9	Ⓟ/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 10 177.4, slope from 4 to 7 179.0 (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: Light; Date of last verification: 11/29/22

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	4/25/23	0744	0.272	0.274	Ⓟ/F	Ⓛ/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)

25-LR-2304

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Meter ID: Craw Paddy

RQ- 2023-04-10-15

Project: STA

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	4/25/23	0709	22.3	756.4	8.6	8.64	99.5	/	0.955	P/F	L/F
ICV			0710	22.4	756.5	8.6	8.63	99.6	/	/	P/F	L/F
CCV	Victoria Schwartz	4/25/23	16:28	22.9	755.0	8.5	8.72	101.5	/	/	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. 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	4/25/23	0720	2207793	06/24	1000	1000	P/F	L/F
ICV			0723	2207695	07/24	100	100.8	P/F	L/F
CCV	Victoria Schwartz	4/25/23	16:26	2207695	07/24	100	101.7	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	4/25/23	0727	223156	06/24	7.01	23.1	7.01	-38.9	P/F	L/F
Calibr.			0732	225424	11/24	4.00	23.4	4.00	140.7	P/F	L/F
Calibr.			0735	222715	07/24	10.02	23.1	10.02	-246.2	P/F	L/F
ICV			0743	222715	07/24	10.02	23.0	10.00	-214.9	P/F	L/F
CCV	Victoria Schwartz	4/25/23	16:16	225424	11/24	4.00	23.5	4.00	140.8	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;
If mV are recorded: slope from 7 to 10 175.3, slope from 4 to 7 179.6 (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: 11/22/22

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	4/25/23	0743	0.272	0.221	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:

25-LR-17016