

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:

2022-03-14-19

Project:

SMP/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

3/3/22

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.	Katie March	5/11/22	8:00	22.3	755.9	8.4	8.63	99.5	✓	1.043	P	F
ICV				22.4	755.9	8.6	8.63	99.6	✓	✓	P	F
CCV			16:00	21.7	754.0	8.7	8.71	99.7	✓	✓	P	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.	K March	5/11/22	8:10	1105E62	5/23	1000	1000	P	F
ICV				2112E28	12/23	100	96.9	P	F
CCV				2112E28	12/23	100	99.6	P	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.	K March	5/11/22	8:15	210792	2/23	7.00	23.5	7.00	-24.5	P	F
Calibr.				206704	11/22	4.00	23.5	4.00	152.2	P	F
Calibr.				207370	3/23	10.01	23.6	10.01	-201.3	P	F
ICV				207370	3/23	10.02	23.4	10.00	-200.9	P	F
CCV				206704	11/22	4.00	23.3	4.04	150.2	P	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 10 176.8, slope from 4 to 7 176.7 (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:

3/3/22

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Light Date of last verification: 12/1/22

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	K. March	5/11/22	8:25	0.272	0.272	P	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)

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Meter ID:

Craw Daddy

RQ-

Project:

Notes: (1) Always wait for meter to stabilize before recording any readings.

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Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

3/3/22

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.	Katie March	5/1/22	800	22.6	756.0	8.6	8.59	99.5	✓	0.946 761	P/F	L/F
ICV				22.7	756.0	8.6	8.58	99.5	✓		P/F	L/F
CCV											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 mos/cm	Meter Reading μ mos/cm	Pass / Fail	Lab / Field
Calibr.	K March	5/1/22	805	1105E62	5/23	1000	1000	P/F	L/F
ICV				210E28	12/23	100	97.7	P/F	L/F
CCV								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.	K March	5/1/22	815	210792	2/23	7.00	23.5	7.00	-23.5	P/F	L/F
Calibr.				206704	11/22	4.00	22.8	4.00	152.9	P/F	L/F
Calibr.				207370	3/23	10.0Xm	23.8	10.02	-199.3	P/F	L/F
ICV				207370	3/23	10.02	23.3	10.01	-198.4	P/F	L/F
CCV										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 ;

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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:

3/3/22

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Kmothead Date of last verification: 12/1/21

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	K. March	5/1/22	823	0.272	0.272	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:

not used for sampling - no post cal *