

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: 2021-04-12-74

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 3/5/21

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.	Katie March	4/13/21	805	22.5	755.1	8.6	8.60	99.7	✓	1.0591	P/F	L/F
ICV				22.8	755.0	8.6	8.59	99.7	✓	✓	P/F	L/F
CCV			1535	24.0	754.4	8.2	8.35	101.8	✓	✓	P/F	L/F
CCV				25.4							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.	Katie March	4/13/21	815	20126A	11/21	1000	1000	P/F	L/F
ICV				21027A	2/22	100	104.0	P/F	L/F
CCV			1540	210127C	2/22	50,000	50,451	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.	Katie March	4/13/21	825	202114	5/22	7.00	23.5	7.00	-58.0	P/F	L/F
Calibr.				200052	2/22	4.00	23.0	4.00	118.9	P/F	L/F
Calibr.				203539	6/22	10.02	23.8	10.02	-237.1	P/F	L/F
ICV				200052	2/22	4.00	23.1	4.01	118.6	P/F	L/F
CCV			1545	203539	6/22	10.01	23.8	9.96	-233.0	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 10 179.1, slope from 4 to 7 176.8 (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: 3/5/21

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Light; Date of last verification: 12/4/20

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	Katie March	4/13/21	845	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:

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

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Meter ID:

Craw Daddy

RQ:

2021-04-1203

Project:

BMPAP

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

3/5/21

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.	Katie March	4/13/21	805	23.1	755.1	8.5	8.50	99.6	✓	100.33 27	P/F	L/F
ICV	1	1	1	23.3	755.1	8.5	8.50	99.6	✓	✓	P/F	L/F
CCV	Natalie Ayala	4/13/21	1255	23.1	755.8	8.5	8.64	101.0	✓	✓	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Katie March	4/13/21	815	20126A	11/21	1000	1000	P/F	L/F
ICV	1	1	1	2027A	2/22	100	103.7	P/F	L/F
CCV	Natalie Ayala	4/13/21	1236	21027A	2/22	100	104.2	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.	Katie March	4/13/21	825	202114	5/22	7.00	23.5	7.00	-52.8	P/F	L/F
Calibr.	1	1	1	200052	2/22	4.00	23.1	4.00	125.5	P/F	L/F
Calibr.	1	1	1	203539	6/22	10.02	23.5	10.01	-229.2	P/F	L/F
ICV	1	1	1	200052	2/22	4.00	23.1	4.00	125.5	P/F	L/F
CCV	Natalie Ayala	4/13/21	1242	203539	6/22	10.01	23.1	3.90	131.0	P/F	L/F
CCV						10.01	23.8	10.04	-231.6	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 10 176.4 , slope from 4 to 7 179.3 (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)

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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	Katie March	4/13/21	845	0.272	0.272	P/F	L/F

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COMMENTS: