

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

Meter ID: Shrimps Trap

RQ: 2021-08-02-65

Project: SMP

boldly "X" this box if there are quality data on this page

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 6/4/21

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.	T. Jordan	8/3/21	640	24.6	753.7	8.3	8.25	99.2	—	1.12	P/F	L/F
ICV	1	1	1	24.7	753.8	8.3	8.25	99.2	—	—	P/F	L/F
CCV	Victoria Schwartz	8/3/21	14:36	23.9	752.9	8.4	9.12	108.1	—	—	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.	T. Jordan	8/3/21	640	201026A	11/21	1000	1000	P/F	L/F
ICV	1	1	1	1105C57	5/23	100	99.7	P/F	L/F
CCV	Victoria Schwartz	8/3/21	14:31	1105C57	05/23	100	100.4	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.	T. Jordan	8/3/21	640	210792	2/23	7.00	24.8	7.00	-69.6	P/F	L/F
Calibr.	1	1	1	265283	10/22	4.00	24.6	4.00	108.4	P/F	L/F
Calibr.	1	1	1	203539	6/22	10.00	24.5	10.00	-249.5	P/F	L/F
ICV	1	1	1	205283	10/22	4.00	24.7	4.00	109.3	P/F	L/F
CCV	Victoria Schwartz	8/3/21	14:26	203539	06/22	10.01	24.3	10.04	-251.5	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 10 179.9, 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: 6/4/21

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: light; Date of last verification: 6/4/21

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	T. Jordan	8/3/21	640	0.272	0.270	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 did not pass CCV

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: Craw Paddy

RQ: 2021-05-17-22

Project: SM P

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 6/4/21

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.	T. Rorden	8/3/21	630	24.6	753.8	8.3	8.26	99.2	—	0.971	P/F	L/F
ICV	↓	↓	1	24.6	753.9	8.3	8.26	99.2	—	—	P/F	L/F
CCV	↓	↓	1545	25.0	753.0	8.2	8.22	99.4	—	—	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.	T. Rorden	8/3/21	630	201826A	11/21	1000	1000	P/F	L/F
ICV	↓	↓	1	1105C57	5/23	100	100.3	P/F	L/F
CCV	↓	↓	1545	1105C57	5/23	100	100.4	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.	T. Rorden	8/3/21	630	210792	2/23	7.00	24.7	7.00	-60.3	P/F	L/F
Calibr.	↓	↓	↓	205283	10/22	4.00	24.6	4.00	118.0	P/F	L/F
Calibr.	↓	↓	↓	203539	6/22	10.00	24.6	10.00	-238.5	P/F	L/F
ICV	↓	↓	↓	205283	10/22	4.00	24.7	3.94	121.0	P/F	L/F
CCV	↓	↓	1545	205283	10/22	4.00	24.5	4.21	104.9	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 10 178.2, slope from 4 to 7 177.3 (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)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 6/4/21

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Knothead; Date of last verification: 6/4/21

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	T. Rorden	8/3/21	630	0.272	0.271	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: