

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- 2021-11-08-09

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 9/3/21

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.	Terry Riordan	11/9/21	0653	21.1	759.3	8.9	8.89	99.9	—	1.043	Ⓟ/F	L/F
ICV	1	1	0654	21.1	759.3	8.9	8.89	99.9	—	—	Ⓟ/F	L/F
CCV	Terry Riordan	1	1145	20.5	759.7	9.0	9.06	100.6	—	—	Ⓟ/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	11/9/21	0659	210127B	2/22	1000	1000	Ⓟ/F	L/F
ICV	1	1	0702	2107F26	7/23	100	100.1	Ⓟ/F	L/F
CCV	Terry Riordan	1	1148	2107F26	7/23	100	100.0	Ⓟ/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	11/9/21	0709	210792	2/23	7.02	21.1	7.02	-77.4	Ⓟ/F	L/F
Calibr.	1	1	0712	210273	2/23	4.00	21.2	4.00	97.8	Ⓟ/F	L/F
Calibr.	1	1	0715	207370	3/23	10.05	21.2	10.05	-260.3	Ⓟ/F	L/F
ICV	1	1	0717	207370	3/23	10.05	21.2	10.05	-259.4	Ⓟ/F	L/F
CCV	Terry Riordan	1	1151	210273	2/23	4.00	21.4	4.11	92.9	Ⓟ/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 10 182.9, slope from 4 to 7 175.2 (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: 9/3/21

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	Terry Riordan	11/9/21	0717	0.272	0.271	Ⓟ/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:

RQ-2021-10-25-53

HAB/

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 PaddyRQ- 2021-10-25-19Project: 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 9/3/21

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.	Terry Riordan	11/9/21	0724	21.7	759.7	8.8	8.80	100.0	/	0.967	P/F	L/F
ICV	1	1	0726	21.7	759.7	8.8	8.80	100.0	/	/	P/F	L/F
CCV	Victoria Schwarz	11/9/21	17:27	21.9	758.0	8.7	8.82	100.7	/	/	P/F	L/F
CCV			17:27								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	11/9/21	0729	210127B	2/22	1000	1000	P/F	L/F
ICV	1	1	0731	2107F26	7/23	100	100.7	P/F	L/F
CCV	Victoria Schwarz	11/9/21	17:31	2107F26	07/23	100	100.1	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	11/9/21	0737	210792	2/23	7.02	21.2	7.02	-75.7	P/F	L/F
Calibr.			0742	210273	2/23	4.00	21.2	4.00	102.1	P/F	L/F
Calibr.			0747	207370	3/23	10.05	21.2	10.05	-252.0	P/F	L/F
ICV			0749	207370	3/23	10.05	21.3	10.02	-250.5	P/F	L/F
CCV	Victoria Schwarz	11/9/21	17:34	207370	03/23	10.04	21.9	10.13	-257.3	P/F	L/F
CCV	1	1	17:36	210273	02/23	4.00	21.8	4.03	100.2	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 10 177.3, slope from 4 to 7 177.8 (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: 9/3/21If 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	Terry Riordan	11/9/21	0749	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: HAB: Lake Eustis Follow up