

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

25-SL-17025

Boldly "X" this box if there are qualified data on this page.

Meter ID: Crawdaddy

RQ: 2023-09-04-20

Project: Status-SL

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 9/28/23

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.	Denver Bourassa	10/4/23	0730	22.7	757.2	8.6	8.6	99.6		0.93172	P/F	L/F
ICV			0732	22.7	757.1	8.6	8.59	99.6			P/F	L/F
CCV	Victoria Schwartz	10/4/23	17:09	24.9	756.0	8.2	8.17	98.7			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.	Denver Bourassa	10/4/23	0734	4306L79	6/25	1000	1000	P/F	L/F
ICV			0737	2207G95	7/24	100	96.1	P/F	L/F
CCV	Victoria Schwartz	10/4/23	17:16	2207G95	07/24	100	98.6	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.	Denver Bourassa	10/4/23	0756	231678	5/25	7.01	23.3	7.01	-29.9	P/F	L/F
Calibr.			0800	231208	9/25	4.00	23.4	4.00	150.1	P/F	L/F
Calibr.			0803	222368	10/24	10.02	23.3	10.02	-204.2	P/F	L/F
ICV			0807			10.02	23.3	9.99	-203.4	P/F	L/F
CCV	Victoria Schwartz	10/4/23	17:23	231208	03/25	4.00	23.1	4.09	144.5	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 10 174.3, slope from 4 to 7 180.0 (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: 9/28/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Knothead; Date of last verification: 5/17/23

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	Denver Bourassa	10/4/23	0810	0.272	0.273	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-SL-17025

25SL2309 25-SL-17025

Form effective August 1, 2018

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: 2023-10-02-28

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 09/28/23

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.	Denver Bourassa	0730	10/4/23	23.2	757.2	8.5	8.50	99.3		0.99113	P/F	L/F
ICV		10/4/23	0734	23.1	757.3	8.5	8.49	99.2			P/F	L/F
CCV	Victoria Schwartz	10/4/23	17:04	22.9	756.3	8.5	8.58	99.8			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.	Denver Bourassa	10/4/23	0737	4306L79	6/25	1000	1000	P/F	L/F
ICV			0741	2207G95	7/24	100	96.8	P/F	L/F
CCV	Victoria Schwartz	10/4/23	17:12	2207G95	07/24	100	100.3	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.	Denver Bourassa	10/4/23	0758	231678	06/25	7.01	23.3	7.01	-53.4	P/F	L/F
Calibr.			0800	231208	3/25	4.00	23.3	4.00	128.3	P/F	L/F
Calibr.			0804	222368	10/24	10.02	23.3	10.02	-282.0	P/F	L/F
ICV			0806			10.02	23.3	10.01	-281.1	P/F	L/F
CCV	Victoria Schwartz	10/4/23	17:19	231208	03/25	4.00	23.2	4.06	124.5	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 10 178.6, slope from 4 to 7 181.7 (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: 9/28/23

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Light; Date of last verification: 5/17/23

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	Denver Bourassa	0810	10/4/23	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: