

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: DESI

RQ: 2022-11-07-20

Project: Unnamed Drain

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 11/14/22

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.	K. Halbert	12/6/22	757	20.9	765.0	9.0	-	100.7	-	1.013	(P) F	(L) F
ICV	K. Halbert	12/6/22	804	21.0	765.0	9.0	8.99	100.9	-	1.013	(P) F	(L) F
CCV	J. Pansh	12/6/22	1430	21.8	765	8.8	8.76	99.9	-	1.013	(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.	K. Halbert	12/6/22	803	220719A	07/2023	1000	1000	(B) F	(D) F
ICV	K. Halbert	12/6/22	809	2207258	03/2023	50000	50940	(B) F	(D) F
CCV	J. Pansh	12/6/22	1431	11123	2210283	1413	1401	(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. Halbert	12/6/22	816	M118-15	5/2/24	7.02	20.8	7.02	-20.5	(P) F	(L) F
Calibr.	K. Halbert	12/6/22	820	L344-18	12/29/24	4.00	21.1	4.00	154.8	(P) F	(L) F
Calibr.	K. Halbert	12/6/22	822	M103-01	4/19/24	10.05	20.9	10.05	-192.2	(P) F	(L) F
ICV	K. Halbert	12/6/22	824	L344-18	12/29/24	4.00	20.9	4.00	156.3	(P) F	(L) F
CCV	J. Pansh	12/6/22	1433	11103-01	4/19/24	10.00	21.5	10.12	199.8	(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 10 171.7, slope from 4 to 7 175.3 (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: 11/14/22

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

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. Halbert	12/6/22	827	0.000	0.000	(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: