

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

Meter ID: My Blue Boy RQ: 2023-08-14-45 Project: CM: Cemetery Ditch

Boldly "X" this box if there are qualified 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 7/17/23

DO DEP SOP FT 1400	Name	Date	Time (G-E)	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.	Samantha Grelina	8/17/23	7:39	20.0	760.1	9.09	9.07	100.0	—	1.131	P/F	P/F
ICV	↓	↓	7:43	20.3	760.2	9.04	9.07	100.6	—	—	P/F	P/F
CCV	Samantha Grelina	9/5/23	12:27	25.9	766.6	8.15	7.91	95.1	—	—	P/F	P/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 (G-E)	Lot #	Expt. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Samantha Grelina	8/17/23	7:45	2212660	11/24	10,000	10,000	P/F	P/F
ICV	↓	↓	7:47	230217B	02/24	100	100.1	P/F	P/F
CCV	Samantha Grelina	9/5/23	12:32	730217A	07/24	80,000	49922	P/F	P/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time (G-E)	Lot #	Expt. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Samantha Grelina	8/17/23	7:50	230217E	08/14	7.01	19.6	7.02	-99.6	P/F	P/F
Calibr.	↓	↓	7:54	230607A	12/24	4.00	18.8	4.00	68.3	P/F	P/F
Calibr.	↓	↓	7:56	230607C	12/24	10.08	18.6	10.08	-26.4	P/F	P/F
ICV	↓	↓	7:57	230607D	12/24	4.00	18.5	3.94	—	P/F	P/F
CCV	Samantha Grelina	9/5/23	12:33	230607C	12/24	10.06	20.4	10.76	—	P/F	P/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 _____, slope from 4 to 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: _____

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

Depth Sensor (Daily Calibration)	Name	Date	Time (G-E)	Calibrated Value (Buffer Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air						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:

Form effective August