

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: 1-14RQ: 2021-08-02-82Project: SMP (CM)

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 07/22/2021

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.	Drew Lidick	08/10/21	843	22.5	758	8.6	8.63	99.8	—	1.06	Ⓟ/F	Ⓡ/F
ICV	//	//	844	22.5	758	8.6	8.63	99.8	—	1.06	Ⓟ/F	Ⓡ/F
CCV	//	//	1510	25.0	758	8.2	8.17	99.8	—	—	Ⓟ/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. ET 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Drew Lidick	08/10/21	846	1105E62	05/23	1000	1000	Ⓟ/F	Ⓡ/F
ICV	//	//	848	1102792	01/23	100	100.1	Ⓟ/F	Ⓡ/F
CCV	//	//	1514	1107644	06/23	100K	103196	Ⓟ/F	Ⓡ/F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP ET 1100	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Drew Lidick	08/10/21	850	2101B07	12/22	7.0	22.8	7.01	-27.2	Ⓟ/F	Ⓡ/F
Calibr.	I	I	852	2104A60	03/23	4.0	22.8	4.00	152.7	Ⓟ/F	Ⓡ/F
Calibr.	I	I	854	2102C64	06/22	10.0	22.8	10.03	-197.6	Ⓟ/F	Ⓡ/F
ICV	I	I	856	2102C64	06/22	10.0	22.8	10.00	-197.3	Ⓟ/F	Ⓡ/F
CCV	I	I	1516	2104A60	03/23	4.0	22.3	3.97	152.8	Ⓟ/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 -170.1, slope from 4 to 7 179.7 (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: 07/22/2021If 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	Drew Lidick	08/10/21	858	0.00	0.00	Ⓟ/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: