

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:

EXD

RQ:

2021-04-12-26

Project:

SNP

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

06/28/21

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.	J. Yodzis	07/19/2021	0741	21.8	763	8.8	8.8	100.6			P / F	L / F
ICV			0744	21.9	763	8.8	8.8	100.7			P / F	L / F
CCV			1345	25.9	762	8.2	8.4	103.5			P / F	L / F
CCV	K. Grace	4/10/21	1553	25.9	762	8.2	8.5				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.	J. Yodzis	07/19/2021	0747	4104641	04/23	1000	988	P / F	L / F
ICV			0752	1102792	01/23	100	104.1	P / F	L / F
CCV			1350	2012470	11/22	500	477.2	P / F	L / F
CCV	K. Grace		1553	410641	04/23	1,000	977	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.	J. Yodzis	07/19/2021	0800	207368	12/22	7.	21.5	7.02	-19.7	P / F	L / F
Calibr.			0803	210273	02/23	4.	21.5	3.98	159.0	P / F	L / F
Calibr.			0805	210276	02/23	10.	21.5	9.93	-193.8	P / F	L / F
ICV			0807	207368	12/22	7.0	21.5	7.14	-20.1	P / F	L / F
CCV			1355	210276	02/23	10.0	22.8	10.05	-197.4	P / F	L / F
CCV	K. Grace		1601	207368	12/22	7.02	21.6	7.07	-	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 10 172 , slope from 4 to 7 178 (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 & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or 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: