

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: Sunk RQ: 2020-08-31-26 Project: A) gac

- 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 02/11/21

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
DEP SOP			CT-ET	°C	meter	Chart	D.O.		Charge	Gain	/	/
FT 1500					mmHg	mg/L	mg/L				Fail	Field
Calibr.	Kirby Nolle	2/25/21	755	22.7	762.3	8.5	8.67	100.1		1.287	(P) F	(L) F
ICV	11	11	805	22.6	762.3	8.5	8.68	100.3			(P) F	(L) F
CCV	Nicole Reistad	02/25/21	1124	24.1	762.9	8.4	8.44	100.5			(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	Name	Date	Time	Lot #	Expir	Standard	Meter	Pass	Lab
Cond			CT-ET		Date	µmhos/cm	Reading	/	/
FT 1200							µmhos/cm	Fail	Field
Calibr.	Kirby Nolle	2/25/21	805	1002A78	2/22	10,000	10012	(P) F	(L) F
ICV	11	11	807	1009989	8/22	2500	2502	(P) F	(L) F
CCV	Nicole Reistad	02/25/21	1120	1009989	08/22	2500	2509	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir	pH	Temp	Meter	mV	Pass	Lab
DEP SOP			CT-ET		Date	Buffer	°C	Reading		/	/
FT 1400						SU		SU		Fail	Field
Calibr.	Kirby Nolle	2/25/21	807	202114	5/22	7.0	23.3	7.07	27.0	(P) F	(L) F
Calibr.	11	11	816	203325	7/22	4.0	23.6	4.1	152.1	(P) F	(L) F
Calibr.	11	11	816	2010E79	4/22	10.0	23.5	12.01	200.1	(P) F	(L) F
ICV	11	11	825	2010E79	4/22	10.0	23.5	9.98		(P) F	(L) F
CCV	Nicole Reistad	02/25/21	1122	202114	05/22	7.00	24.1	7.08		(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 _____, 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) Sacchi Disk Line / Sonar Unique ID: 33128; Date of last verification: 2/11/21

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)			CT-ET	Value (0.00 or Offset), meters	meters	/	/
						Fail	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: