

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: JNEK

RQ: 2021-03-01-57

Project: SMP LEE COASTAL

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
FDEP SOP			CT:FT	°C	meter	Chart	D.O.		Charge	Gain	Fail	Field
FT 1400					range	mg/L	mg/L					
Calibr.	Chris Hornuth	3/4/21	0748	24.0	758.6	8.4	8.88	99.8		1.29	P/F	L/F
ICV	↓		0751	24.0	758.6	8.4	8.89	99.9			P/F	L/F
CCV	"	"	1424	24.3	756.8	8.3	8.88	100.0			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
Conc			CT:FT		Date	µmhos/cm	Reading	Fail	Field
FT 1200							µmhos/cm		
Calibr.	Chris Hornuth	3/4/21	0730	1009989	08/22	2500	2500	P/F	L/F
ICV	↓		0733	2009676	07/22	180	99.6	P/F	L/F
CCV	"	"	1418	2012047	12/22	50000	48740	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
FDEP SOP			CT:FT		Date	Buffer	°C	Reading		Fail	Field
FT 1400						SU		SU			
Calibr.	Chris Hornuth	3/4/21	0736	282114	05/22	7.000	24.0	7.01	-30.8	P/F	L/F
Calibr.	↓		0739	203325	07/22	4.008	23.7	4.00	151.6	P/F	L/F
Calibr.	↓		0742	2010E79	04/22	10.025	23.7	10.02	-201.0	P/F	L/F
ICV	↓		0745	203325	07/22	4.008	23.6	3.97		P/F	L/F
CCV	"	"	1421	2010E79	04/22	10.025	23.5	10.03		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) Secchi Disk Line / Sonar Unique ID: SSB 33125 Date of last verification: 02/11/21

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)			CT:FT	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: