

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

Meter ID: PRO HUB

RO: 202-09-05-16

Project: SESTON

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 9/18/19

DO DEP SOP	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
FT 1500			GT-ET	°C	meter	Chart	D.O.		Charge	Gain	/	/
					reading	mg/L	mg/L				Fail	Field
Calibr.	BARRINGTON	9/4/19	0710	24.4	780.9	0.3	8.27	98.8	-	1.26	(P) F	(L) F
ICV	↓	↓	0712	24.3	781.1	8.3	8.27	98.8	-	-	(P) F	(L) F
CCV	Gary Smith	9/4/19	1352	26.6	752.3	8.0	8.01	99.9			(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. Cond.	Name	Date	Time	Lox	Expir.	Standard	Meter	Pass	Lab
FT 1200			GT-ET		Date	μ mhos/cm	Reading	/	/
							μ mhos/cm	Fail	Field
Calibr.	BARRINGTON	9/4/19	0714	2904947	3/21	1000	1000	(P) F	(L) F
ICV	↓	↓	0716	2904982	4/21	100	98.6	(P) F	(L) F
CCV	Gary Smith	9/4/19	1355	2904947	3/21	1000		P/F	L/F
CCV	Gary Smith	9/4/19	1355	2811660	11/20	50.000	49909	(P) F	(L) F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time	Temp	pH	Temp	Meter	mV	Pass	Lab
FT 1100			GT-ET	°C	Buffer	°C	reading		/	/
					SU		SU		Fail	Field
Calibr.	BARRINGTON	9/4/19	0718	3/21	191304	7.00	25.4	7.00	(P) F	(L) F
Calibr.	↓	↓	0720	3/21	191303	4.00	25.3	4.01	(P) F	(L) F
Calibr.	↓	↓	0722	4/21	191755	10.00	25.3	10.00	(P) F	(L) F
ICV	↓	↓	0724	3/21	191303	4.00	25.3	4.01	P/F	L/F
CCV	Gary Smith	9/4/19	1358	1/21	191735	10.01	24.2	9.96	(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: DECP134UE; Date of last verification: 6/18/19

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