

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: Stitch

RQ- 2020-08-31-26

Project: LSPR West

- 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 6/2020

P SOP 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
libr.	J Parnish	9/3/20	733	23.2	761	8.6	8.6	100.2	-	1.03	(P) F	(L) F
V	J	J	734	23.2	761	8.6	8.55	100.1	-	1.03	(P) F	(L) F
V	Kim Appleby	J	1328	25.0	761.4	8.3	8.3	101.0	-	1.03	(P) F	(L) F
V							8.35				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 Parnish	9/3/20	735	200407	4/21	1000	1000	(P) F	(L) F
ICV	J	J	737	200407	4/21	100	102.6	(P) F	(L) F
CCV	K. Appleby	J	1330	191025A	11/20	1413	1420	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

H EP SOP T 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J Parnish	9/3/20	738	2001C31	1/22	7.00	25.7	7.00	-42.5	(P) F	(L) F
Calibr.	J	J	739	2910629	10/21	4.00	25.7	4.01	141.4	(P) F	(L) F
Calibr.	J	J	740	2002911	8/21	10.00	25.4	9.99	-204.2	(P) F	(L) F
V	J	J	741	2910629	10/21	4.00	25.9	3.95	142.4	(P) F	(L) F
CV	Kim Appleby	J	1332	2002911	8/21	10.00	25.2	9.95	-209.4	(P) F	(L) F
CV										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)

ES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 6/2020

D, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____