

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

Boldly "X" this box if there is qualified data on this page.

Meter ID: **SNEC** RQ- **2018-07-09-29** Project: **SMP-MYAILLA STREAMS**

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) **FT 1400** Date of Last Temperature Verification **06/19/2018**

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	07/23/18	0713	25.6	8.173	8.16	100			(P) F	(L) F
ICV	"	"	0715	25.6	8.173	8.17	100			(P) F	(L) F
CCV	N. Reistad	07/23/18	1412	24.0	8.418	8.42	100			(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; 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.	M. DUGAN	07/23/18	0716	180522A	06/19	1000	1000	(P) F	(L) F
ICV	"	"	0717	180321A	04/19	500	498	(P) F	(L) F
CCV	N. Reistad	07/23/18	1416	180321C	04/19	100	99	(P) F	(L) F
CCV	"	"	1417	171211A	12/18	10000	10034	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	07/23/18	0720	177435	10/19	7.0	7.0	-25	(P) F	(L) F
Calibr.	"	"	0722	180710	02/20	4.0	4.0	1725	(P) F	(L) F
Calibr.	"	"	0723	181282	05/20	10.0	10.0	-13.0	(P) F	(L) F
ICV	"	"	0725	181282	05/20	10.0	10.0		(P) F	(L) F
CCV	N. Reistad	07/23/18	1419	180710	02/20	4.0	4.0		(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 **191.3**, slope from 4 to 7 **182.0** (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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: