

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-

2021-01-04-41

Project:

RMA P2 + SMC

2021-01-04-42

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

10/14/20

DO DEP SOP FT 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
Calibr.	Kim Appleby	1/7/21	941	21.0	764.3	8.9	-	100.6	-	1.0337	(P) F	(L) F
ICV	↓	↓	1000	21.4	764.2	8.9	8.92	100.7	-	1.0337	(P) F	(L) F
CCV	↓	↓	1534	19.5	759.6	9.2	4.34	101.5	-	1.0337	(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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	1/7/21	1006	201222B	1/2022	1000	1000	(P) F	(L) F
ICV	↓	↓	1007	200902A	9/2021	100	103.8	(P) F	(L) F
CCV	↓	↓	1536	200407B	4/2021	20.000	19196	(P) F	(L) F
CCV								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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	1/7/21	1009	2006F52	6/2022	7.00	21.8	7.00	-10.4	(P) F	(L) F
Calibr.	↓	↓	1011	2006B06	5/2022	4.00	22.2	4.00	165.6	(P) F	(L) F
Calibr.	↓	↓	1013	2006E28	12/2021	10.00	21.7	10.00	-183.1	(P) F	(L) F
ICV	↓	↓	1014	2006F52	6/2022	7.00	21.8	7.03	-10.9	(P) F	(L) F
CCV	↓	↓	1538	2006E28	12/21	10.00	22.0	10.03	-185.4	(P) F	(L) F
CCV	↓	↓	1540	2006B06	5/22	4.00	22.9	4.07	163.8	(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: 10/14/20

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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	Kim Appleby	1/7/21	1015	0.00	0.00	(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: