

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: Pro Move RD- 2020-05-31-11 Project: PEACE RIVER BWC

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 6/8/20

DO	Name	Date	Time	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	D.O. Meter mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
FT 1500	Calibr.	6/8/20	0700	24.5	753.5	8.3	8.28	99.1	-	1.06	(P/F)	(F)
ICV			↓	0702	753.4	8.3	8.28	99.2	-	-	(P/F)	(F)
CCV	Baraniston	6/8/20	1345	24.4	753.9	8.3	8.11	100.8	-	-	(P/F)	(F)
CCV											(P/F)	(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	Lot #	Expir. Date	Standard μmhos/cm	Meter Reading μmhos/cm	Pass / Fail	Lab / Field
FT 1200	Calibr.	6/8/20	0704	1002A78	2/22	10000	10000	(P/F)	(F)
ICV			↑	0706	100676	100	101.8	(P/F)	(F)
CCV	Baraniston	6/8/20	1348	2909048	9/24	52000	48984	(P/F)	(F)
CCV								(P/F)	(F)

Conductivity Acceptance criteria ± 5%

pH	Name	Date	Time	Lot #	Expir. Date	pH Buffer	Temp °C	Meter reading SU	MV	Pass / Fail	Lab / Field
FT 1100	Calibr.	6/8/20	0708	200388	2/22	6.99	25.4	700	-28.9	(P/F)	(F)
Calibr.				0706	200052	2/22	25.7	4.01	180.4	(P/F)	(F)
Calibr.				0712	197602	11/22	10.01	25.3	10.00	(P/F)	(F)
ICV			↑	0714	200052	2/22	25.4	4.01	3.87	(P/F)	(F)
CCV	Baraniston	6/8/20	1350	197602	1/22	10.03	23.4	9.69	-	(P/F)	(F)
CCV										(P/F)	(F)

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 175.8, slope from 4 to 7 179.3 (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: 0661346; Date of last verification: 7/7/20

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air							

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: