

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: P01M0VE

RQ- 2021-07-26-02

Project: Peace River

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 05/18/21

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.	Thomas Baker	07/26/21	0701	24.6	755.7	8.3	8.29	99.4		1.09	P/F	L/F
ICV	Thomas Baker	07/26/21	0702	24.3	755.6	8.3	8.33	99.6			P/F	L/F
CCV	Thomas Baker	07/26/21	1225	25.3	756.5	8.2	8.16	99.3			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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	07/26/21	0706	1010077	10/22	10000	10000	P/F	L/F
ICV	Thomas Baker	07/26/21	0708	2011543	11/22	50000	49468	P/F	L/F
CCV	Thomas Baker	07/26/21	1224	1105057	5/23	108	100.5	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.	Thomas Baker	07/26/21	0710	2103K23	3/23	7.00	25.5	7.00	-30.0	P/F	L/F
Calibr.	Thomas Baker	07/26/21	0711	2105875	4/23	4.01	25.3	4.01	149.8	P/F	L/F
Calibr.	Thomas Baker	07/26/21	0712	1106824	11/22	10.01	25.3	10.01	-203.3	P/F	L/F
ICV	Thomas Baker	07/26/21	0714	2105875	4/23	4.01	25.1	3.98		P/F	L/F
CCV	Thomas Baker	07/26/21	1226	1106824	11/22	10.02	23.9	10.06		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 ± 50 ;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 173.3, slope from 4 to 7 179.8 (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: NEEPB1ue; Date of last verification: 02/11/21

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: