

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:

Friday

RQ-

2021-11-15-46

Project:

Peace River abatement branch

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

8/16/21

DO FDEP SOP FT 1400	Name	Date	Time CET	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	11/16/21	0903	24.1	762.3	8.4	150.3	100.3		1.037	P/F	L/F
ICV	Thomas Baker	11/16/21	0907	24.1	762.4	8.4	8.42	100.3			P/F	L/F
CCV	MONICA Jaeger	11/16/21	1648	24.7	760.5	8.3	8.27	99.4			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 2200	Name	Date	Time CET	Lot #	Expir Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	11/16/21	0906	1108C98	08/23	2500	2500	P/F	L/F
ICV	Thomas Baker	11/16/21	0907	2110N62	09/23	100	98.7	P/F	L/F
CCV	MONICA Jaeger	11/16/21	1651	1108C98	8/23	2500	2500	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FD 1400	Name	Date	Time CET	Lot #	Expir Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	11/16/21	0910	2107C00	7/23	7.00	24.2	7.01		P/F	L/F
Calibr.	"	"	0911	2107E46	7/23	4.01	24.0	4.00		P/F	L/F
Calibr.	"	"	0913	4110A80	3/23	10.03	24.0	10.01		P/F	L/F
ICV	Thomas Baker	11/16/21	0915	2110D40	9/23	4.01	24.0	3.96		P/F	L/F
CCV	MONICA Jaeger	11/16/21	1652	4110A80	3/23	10.03	23.5	10.03		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 _____, 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: _____

If NO, what will be used? (circle one) **Secchi Disk Line** / Sonar Unique ID: **DEEPER 1364** Date of last verification: **08/16/21**

Depth Sensor (Name, Calibration Date)	Name	Date	Time CET	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: