

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: PRESIDENT CANADIAN RQ- 2023-02-06-56 Project: SMP: Whid's End

- 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 01/18/23

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.	NICOLE REISTAD	02/13/23	0700	22.5	763.3	8.7	8.69	100.4	—	1.038	P/F	L/F
ICV			0701	22.6	763.4	8.7	8.68	100.4	—	—	P/F	L/F
CCV	NICOLE REISTAD	02/13/23	1410	22.9	762.4	8.6	8.71	101.3	—	—	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	NICOLE REISTAD	02/13/23	0708	1107981	07/23	10,000	10,000	P/F	L/F
ICV			0710	2209K36	09/24	50,000	49,033	P/F	L/F
CCV	NICOLE REISTAD	02/13/23	1412	1107981	07/23	10,000	9984	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.	NICOLE REISTAD	02/13/23	0722	2205E5A	05/24	7.01	22.1	7.01	-33.7	P/F	L/F
Calibr.			0724	2207815	06/24	4.01	22.6	4.00	144.3	P/F	L/F
Calibr.			0727	4208J77	02/24	10.04	22.4	10.03	-209.0	P/F	L/F
ICV			0729	2207815	06/24	4.01	22.6	4.02	—	P/F	L/F
CCV	NICOLE REISTAD	02/13/23	1414	4208J77	02/24	10.04	22.2	10.04	NR	P/F	L/F
CCV								10.08		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 10 175.3, slope from 4 to 7 178.0 (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: 3312A; Date of last verification: 02/01/23

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: