

9-275-F
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 93

WATER RESOURCES DIVISION

Comp. by MSB

Sta. No. F1-Canada

DISCHARGE MEASUREMENT NOTES

Checked by Sontek

Date Nov 23, 19 2009 Party MSB/BAM/SLD
 Width 5.30 Area 1.37 Vel. 1.020 G.H. Disch. 1.53
 Method U No. secs. 16 G.H. change -.02 in .6 hrs. Susp. Rod
 Method coef. 1.0 Hor. angle coef. calc'd Susp. coef. 1.0 Meter No. P2151
 Type of meter ADV Date rated Tag checked
 Meter ft. above bottom of wt. Spin before meas. ADV after sk
 Meas. plots. % diff. from. rating. Levels obtained. No

GAGE READINGS					WATER QUALITY MEASUREMENTS	
Time	Inside	ADR	Graphic	Outside	No	Yes
1451	1.56			.77 - 1.77		X
S 1500						X
1524	1.576			.77 + 1.77		X
A 1542	1.55			.75 - 1.75	X	
Weighted M.G.H.					BIOLOGICAL SAMPLES	
G. H. correction					Yes	Time
Correct M.G.H.					No	Type

Check bar. chain found changed to at
 Wading cable, ice, boat, upstr., downstr., side bridge. 40 feet, mile, above, below gage.
 Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
 Flow well distributed - fairly uniform
 Cross section cobble/gravel - fairly even
 Control section - flow clear - snow in gage pool
 Gage operating Yes Weather sunny / wind / clear / 14 breeze
 Intake/Orifice cleaned Yes Air °C @ Water 41 F @ 1540
 Record removed No Extreme Indicator: Max. Min.
 Manometer N₂ Pressure Tank 1800 Feed 12 Bbl rate 66 per min.
 CSG checked Stick reading
 Observer pH = 6.855 @ 12.01. 0.9 m lab. FG 20:21
 HWM
 Remarks #6 ① 1.538 ② 5.48 ③ 17.15 ④ 7.00 ⑤ 14.1
 Clock Date + Time = okay
 Orifice - free + clear
 G.H. of zero flow ft. Sheet No. of sheets

River at—

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			

Equipment Inventory FI - Canada

CR10X: S/N 23288

Saturn Accubar: S/N 500021

WT Probe

SL Probe

Corio Flow

Catthroat Flume

2 260 amp-hr batteries

1 Solar Regulator

1 Solar Panel

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