

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey

Meas. No. 36

Comp. by CJ

Water Resources Division

Sta. No. _____ **DISCHARGE MEASUREMENT NOTES** Checked by _____

CANADA STREAM @ FI

Date Dec 10, 2000 Party CJ (Me, myself, and I)

Width 8.0 Area 2.0 Vel. 1.21 G.H. _____ Disch. 2.719

Method .6 No. Sec. 24 G.H. Change .1 in .95 hrs. Susp. Red

Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____

Type of meter pygmy Date rated _____ Tag checked _____

Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____

Meas. Plots _____ % diff from _____ rating. Levels obtained _____

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside				Outside
1342	1.85				06 0.85
1439	1.95				06 0.95

No..... Yes..... Time.....
Samples Collected
 No..... Yes 1440 Time.....
Method Used
 EDI..... EWI..... Other.....

SEDIMENT SAMPLES
 No..... Yes..... Time.....
Method Used
 EDI..... EWI..... Other.....

Weighted MGH _____
 GH correction _____
 Correct MGH _____

BIOLOGICAL SAMPLES
 Yes..... Time.....
 No..... Type.....

Check bar, chain found _____ changed to _____ at _____

Wading, cable, ice, boat, upstr., downstr., side bridge _____ feet, mile, above, below, gage.

Measurement rated excellent(2%), good(5%), fair(8%), poor(over 8%); based on following cond:

Flow _____

Cross section _____

Control _____

Gage operating yes Weather Clear, breezy

Intake/Orifice cleaned No Air _____ °C@ _____ Water 7.64 °C@ _____

Record removed _____ Extreme Indicator: Max _____ Min _____

N2 Pressure Tank 2000 Feed 9.5 Bbl rate _____ per min. Batt volt _____

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks SC = 23.55, volts = 14.3

SC = 18.9

WT = 7.1

River at---

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in seconds	VELOCITY		Adjusted for hor- angle or ---	Area	Discharge
							At point	Mean in ver- tical			
	LEW	0.0	0.0		@ 1345			0		0	0
	.5	.5	.1		23	42		1.23		.050	.028
	1.0		.2		38	41		1.82		.100	.092
	1.5		.25		42	41		1.70		.100	.102
	1.8		.25		45	31		1.18		.075	.107
	2.1		.30		45	36		0.99		.090	.111
	2.4		.30		45	38.5		0.77		.090	.119
	2.7		.30		45	26		0.63		.090	.152
	3.0		.35		45	22		0.54		.105	.210
	3.3		.35		45	22		0.47		.105	.210
	3.6		.30		50	32		0.42		.090	.138
	3.9		.30		50	30		0.37		.090	.147
	4.2		.35		45	22		0.34		.105	.210
0	4.5		.35		45	29		0.31		.105	.160
	4.8		.35		45	27		0.29		.105	.171
	5.1		.35		45	28		0.27		.105	.165
	5.4		.35		45	33		0.25		.105	.141
	5.7		.40		45	34		0.24		.120	.156
	6.0		.30		45	43		0.23		.090	.093
	6.3		.25		45	40		0.22		.075	.083
	6.6		.20		40	41		0.21		.070	.068
	7.0		.10		45	46		0.20		.045	.044
	7.5		.10		10	40		0.19		.050	.014
R=W	8.0	@	1435					0		0	0
										1.960	2.719