Form 9-275-G
(Nov 1993)

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION

DISCHARGE MEASUREMENT NOTES

Meas. No. 71

Sta. No. _____ Canada Stream Comp. by _____

Checked by JCK

Date 1/22/07 ~~, 19~~ Party ESG LFS

Width 8.7 Area 2.57 Vel. 1.21 G. H. _____ Disch 3.12

Method _____ No. secs. 13 G. H. change _____ in _____ hrs. Susp. _____

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. OK after OK

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

GAGE READINGS

Time		Inside			Outside
1425		1.830			.870
1510		1.950			.995
1536		1.990			1.025
1545		2.020			1.050
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No _____ (Yes) _____ Time 1435

C=13.5 T=8.5 Samples Collected Sc=19.7

No _____ (Yes) _____ Time 1435

Method Used pH=7.22

EDI _____ EWI _____ Other _____

SEDIMENT SAMPLES

No _____ Yes _____ Time _____

Method Used

EDI _____ EWI _____ Other _____

BIOLOGICAL SAMPLES

Yes _____ Time _____

No _____ Type _____

Check bar. chain found _____ changed to _____ at _____

(Wading), cable, ice, boat, upstr., downstr., side bridge 35 (feet), mile, above, below gage.

Measurement rated excellent (2%), good (5%), (fair (8%)), poor (over8%); based on the following cond:

Flow uniform

Cross section cobbles & gravel

Control clear, algae. Flow started to go over weir ~1415

Gage operating yes Weather clear, slight up-V wind

Intake/Orifice cleaned no Air _____ °C@ _____ Water _____ °C@ _____

Record removed yes Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 1650 Feed 12 Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well

Remarks ran levels, purged line, switched SALS, last visit of season.
-took streamside filtered Nut. sample

G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

*U.S. GOVERNMENT PRINTING OFFICE:1993-560-446

River at–

ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY AT POINT	VELOCITY MEAN IN VERTICAL	ADJUSTED FOR HOR. ANGLE OR ----------	AREA	DISCHARGE
	8.5		LEW @		1510						
	9.5	1	.13		10	53	.212			.13	.028
	10.5	1	.22		40	50	.800			.22	.176
	11.5	.75	.35		25	43	.59			.2625	0.155
	12.0	.5	.32		30	48	.631			.16	.101
	12.5	.5	.38		40	40	.992			.19	.188
	13.0	.5	.45		60	42	1.40			.225	.315
	13.5	.5	.49		100	43	2.26			.245	.554
	14.0	.5	.39		80	43	1.82			.195	.355
	14.5	.5	.40		60	54	1.1			.20	.22
	15.0	.5	.37		60	46	1.28			.185	.237
	15.5	.5	.40		60	41	1.44			.20	.288
⊙	16.0	.5	.36		80	47	1.67			.18	.301
	16.5	.6	.29		50	42	1.17			.174	.204
	17.2	REW @			1530		1.21			2.57	3.12
	8.7										

*6 @ 1550

1) 2.02 stage
2) 9.32 WT
3) 16.46 ~~A~~ SG
4) 13.4 BV