Form 9-275-G
(Nov 1993)

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

DISCHARGE MEASUREMENT NOTES

Meas. No. 70

Sta. No. Canada stream @ F1

Comp. by

Checked by TCK

Date 1/8/07, ~~19~~ Party PAC, ESG

Width 8.8 Area 3.16 Vel. 1.58 G. H. Disch 4.99

Method ____ No. secs. 17 G. H. change ____ in ____ hrs. Susp. ____

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

Type of meter ____ Date rated ____ Tag checked ____

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

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

GAGE READINGS

Time		Inside			Outside
1350		1.110			1.135
1430		1.100			1.179
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ____ Yes X Time 1355

pH=7.55 Samples Collected C=12.7 WT=8.9

No X Yes ____ Time ____

Method Used

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 ____ feet, mile, above, below gage.

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

Flow uniform

Cross section sand, gravel, cobbles

Control clear

Gage operating yes Weather ____

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

Record removed no Extreme Indicator: Max. ____ Min. ____

Nitrogen Pressure Tank ____ Feed ____ Bbl rate ____ per min.

CSG checked ____ Stick reading ____

Observer ____

HWM ____ outside, in well

Remarks #6: 2) WT = 9.16 3) S.C. = 16.18 us 4) BV = 13.8 V.

water samples collected on 01/07/07

G.H. of zero flow ____ ft. Sheet No. 1 of 1 sheets

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
	8.4	LEW @	1406								
	8.9	.5	0.18		30	40	.752			.09	.068
	9.4	.5	0.21		30	44	.686			.105	.072
	9.9	.5	0.27		40	44	.904			.135	.122
	10.4	.5	0.30		30	47	.644			.15	.097
	10.9	.5	0.31		30	47	.644			.155	.10
	11.4	.5	0.41		40	45	.885			.205	.181
	11.9	.5	0.43		50	41	1.20			.215	.258
	12.4	.5	0.46		80	46	1.70			.23	.391
	12.9	.5	0.53		100	48	2.03			.265	.538
	13.4	.5	0.55		150	53	2.75			.275	.756
	13.9	.5	0.46		100	40	2.43			.23	.559
⊙	14.4	.5	0.41		60	42	1.40			.205	.287
	14.9	.5	0.45		60	41	1.44			.225	.324
	15.4	.5	0.46		80	42	1.86			.23	.428
	15.9	.5	0.42		80	40	1.95			.21	.410
	16.4	.5	0.37		100	45	2.17			.185	.401
	16.9	.4	0.13		0	40	0			.052	0
	17.2	REW @	1430				1.58			3.16	4.99
	8.8										

* Wading rod acting up. may underestimate Q