Form 9-275-G
(July 1994)

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

DISCHARGE MEASUREMENT NOTES

Sta. No. F1 - Canada Stem

Meas. No. _____

Comp. by MSB

Checked by Ochuk

Date Nov 18, 2009 Party BAM / MSB

Width 1.7 Area .578 Vel. .589 G. H. .88 Disch .305

Method .6 No. secs. 7 G. H. change _____ in _____ hrs. Susp. Rod

Method coef. 1.0 Hor. angle coef. 1.0 Susp. coef. 1.0 Meter No. 0084023

Type of meter Pygmy Date rated 6/99 Tag checked —

Meter — ft. above bottom of wt. Spin before meas. 50 after ok

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

GAGE READINGS

Time		Inside			Outside
1728		FROZEN			.90
1730					
1745					
1746					.86
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No X Yes _____ Time _____

Samples Collected

No X Yes _____ Time _____

Method Used

EDI _____ EWI _____ Other _____

SEDIMENT SAMPLES

No X Yes _____ Time _____

Method Used

EDI _____ EWI _____ Other _____

BIOLOGICAL SAMPLES

Yes _____ Time _____

No X Type _____

Check bar. chain found — changed to — at —

(Wading,) cable, ice, boat, upstr., downstr., side bridge 30 (feet,) mile, above, (below) gage.

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

Flow laminar

Cross section gravel

Control - ice affected - backwater - snow in gage pool

Gage operating Yes - orifice frozen Weather cldy / calm / cool

Intake/Orifice cleaned — Air _____ °C@ _____ Water _____ °C@ _____

Record removed No Extreme Indicator: Max. — Min. —

Nitrogen Pressure Tank 1700 Feed 12 Bbl rate _____ per min.

CSG checked — Stick reading —

Observer _____

HWM _____ outside, in well

Remarks #6) ① 4.32 - frozen ② -1.89 → LT ③ -8.39 SC

④ 3.19 AT ⑤ 14.1 - DV

G.H. of zero flow _____ ft. Sheet No. _____ of _____ 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
	6.3	.15	—	REW @	1728			—		—	—
	6.6	.30	.48	.6	18	40		.463		.144	.067
	6.9	.30	.45	|	25	40		.631		.135	.085
	7.2	.30	.35	|	28	40		.703		.105	.074
	7.5	.30	.28	|	24	40		.607		.084	.051
	7.8	.25	.20	.6	22	40		.559		.05	.028
	8.0	.10	—	LEW @	1746			—		—	—
	1.7	1.7						.589		.578	.305

⊙