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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 72/73

Comp. by SLD

WATER RESOURCES DIVISION

Sta. No. 00000001 **DISCHARGE MEASUREMENT NOTES** Checked by Q.check

Fl - Canada Stream

Date 11-27 ..., 19 2007 Party NRM / AMS / SLD

Width 8.0/5.7 Area 8.56 Vel. .846/.914 G.H. ..... Disch. 0.677/.544

Method .6a No. secs. 10/10 G. H. change ..0 in 1.25 hrs. Susp. Rod

Method coef. 1.0 Hor. angle coef. 1.0 Susp. coef. — Meter No. N/A

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

Time		Inside	ADR	Graphic	Outside
1450		1.33	-1.00		0.33
1500		1.35	-1.00		0.37
1607		1.41	-1.00		0.43
1625		1.41	-1.00		0.43
1630		1.41	-1.00		0.43
Weighted M.G.H.		1.41			1.43
G. H. correction		1.02			
Correct M.G.H.		1.43			1.43

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. 60 (feet), mile, above, (below) gage.

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

Flow turbulent

Cross section Rock/cobble

Control section - clear

Gage operating Yes Weather Sunny/clear/ll breeze

Intake/Orifice cleaned No Air ..... °C@ ..... Water ..... °C@ .....

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

Manometer N_2 Pressure Tank 1800 Feed .10 Bbl rate 5.0 per min.

CSG checked — Stick reading —

Observer —

HWM — outside, in well

Remarks Battery = 12.75/12.75

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

.0 .10 .20 .30 .40 .50 .60 .70 .75

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	
	13.1	1.3	—	.6	LEW @ 1550					—	—	.80
	10.5	1.45	.2	|	25	46		.553		0.29	0.16	.85
	10.2	.3	.25	|	60	56		1.06		0.075	.08	
	9.9	.3	.15	|	60	40		1.47		.045	.066	
	9.6	.3	.20	|	40	57		0.705		0.060	.042	.90
	9.3	.3	.20	|	80	44		1.78		0.06	.107	.92
	9.0	.3	.15	|	100	46		2.12		.045	.095	.94
	8.7	.3	.15	|	60	48		1.23		.045	.055	
	8.4	1.8	.10	|	20	52		0.401		0.18	.072	.96
	5.1	1.65	—	.6	REW @ 1605					—	—	.97
	8.0 ✓	8.0 ✓						0.846 ✓		0.8 ✓	0.677 ✓	.98
												.99
⊙	14	.85	—	.6	LEW @ 1610							1.00
	12.3	1	.1	|	15	42		.374		.1	.037	
	12.0	.3	.15	|	25	47		.547		0.045	.024	
	11.7	.3	.15	|	40	45		.885		0.045	.04	.99
	11.4	.3	.25	|	43	40		1.06		0.075	.08	.98
	11.1	.3	.20	|	49	40		1.21		0.06	.073	.97
	10.8	.3	.20	|	100	47		2.07		0.06	.124	.96
	10.5	.3	.15	↓	60	47		1.26		.045	.057	
	10.2	1.1	.15		30	46		.658		.165	.109	.94
	8.3	.95	—		REW @ 1625							.92
	5.7 ✓	5.7 ✓						.914		.595	.544	.90
												.85
												.80
											5.314	

.0 .10 .20 .30 .40 .50 .60 .70 .75