Form 9-275-G
(Nov 1993)

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

DISCHARGE MEASUREMENT NOTES

Meas. No. 76

Sta. No. Fl Canada

Comp. by

Checked by

Date 12/19/07 19 Party NRM, AMS

Width 11 ft. Area 2.675 ft² Vel. 2.52 ft/s G. H. Disch 6.73 cfs

Method No. secs. 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. after

Meas. plots % diff. from rating. Levels obtained

GAGE READINGS

Time		Inside			Outside
1305		2.19			1.24
1354		2.21			1.26
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No Yes ✓ Time

pH 8.3 Samples Collected cond. 15.9 µS

No Yes ✓ Time

Method Used

EDI EWI Other dip

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 300 feet, mile, above, below gage.

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

Flow turbulent

Cross section rocky, fast

Control clear, moderate flow over weir

Gage operating yes Weather

Intake/Orifice cleaned Air 6 °C@ 1354 Water °C@

Record removed Extreme Indicator: Max. Min.

Nitrogen Pressure Tank 1700 psi Feed 10 psi Bbl rate 30 per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks *6 2.19
1307
WT 7.78 AT 9.02
SC 13.7 BV 13.7

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

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

.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
	5.0	.45		.6	LEW @ 1325						
	5.9	.75	.1	|	40	42		.946		.075	.071
	6.5	.55	.1	|	50	46		1.08		.055	.059
	7.0	.5	.2	|	60	42		1.40		.1	.14
	7.5	.5	.25	|	100	42		2.37		.125	.29
	8.0	.6	.3	|	100	47		2.07		.18	.205
	8.7	.6	.4	|	150	54		2.70		.24	.648
	9.2	.6	.32	|	150	50		2.91		.192	.559
	9.9	.6	.44	|	150	45		3.23		.264	.853
	10.4	.5	.4	|	150	53		2.75		.2	.55
	10.9	.5	.4	|	150	41		3.54		.2	.708
	11.4	.5	.38	|	150	43		3.38		.19	.642
⊙	11.9	.5	.3	|	150	53		2.75		.15	.412
	12.4	.5	.3	|	150	42		3.46		.15	.519
	12.9	.45	.3	|	150	50		2.91		.135	.393
	13.3	.45	.25	|	150	57		2.56		.112	.287
	13.8	.5	.2	|	80	41		1.91		.1	.191
	14.3	.6	.1	|	40	43		.925		.06	.056
	15.0	.65	.15	|	50	45		1.10		.097	.107
	15.6	.5	.1	|	40	47		.849		.05	.042
	16.0	.2			REW @ 1350						
	11	11						2.52		2.675	6.732

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