Form 9-275-D
(Jan. 1988)

## U. S. DEPARTMENT OF THE INTERIOR
## Geological Survey

## WATER RESOURCES DIVISION

Date 12-4-07, 19

## MISCELLANEOUS FIELD NOTES

FI-Canada LS, AMS, NRM

11:35

| | | | |
|---|---|---|---|
| | *6 | | OG |
| Stage | 1.154 | | .09 → 1.09 |
| WT | -.229 | | -.4 |
| SC | 21.17 | | – |
| AT | 3.18 | pH | 8.3 |
| BV | 13.04 | | |

Sunny, gentle breeze
US of gage iced over
Top of flume iced over
Cleared @ 11:40

No. ______ of ______ sheets

Form 9-275-G
(Nov 1993)

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

# DISCHARGE MEASUREMENT NOTES

Meas. No. 74

Sta. No. F1-Canada

Comp. by ______

Checked by ______

Date 12-4-07 Party AMS, NRM, LS

Width ______ Area ______ Vel. ______ G. H. ______ Disch .06815

Method ______ No. secs. ______ G. H. change ______ in ______ hrs. Susp. ______

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

Type of meter ______ Date rated ______ Tag checked ______

Meter portable flume ft. above bottom of wt. Spin before meas. ______ after ______

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

## GAGE READINGS

| Time | | Inside | | | Outside |
|---|---|---|---|---|---|
| 11:35 | | 1.154 | | | .09 |
| 12:01 | | 1.135 | | | .13 |
| 12:05 | | 1.167 | | | .13 |
| 12:45 | | 1.229 | | | .25 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Weighted M.G.H. | | | | | |
| G.H. correction | | | | | |
| Correct M.G.H. | | | | | |

## WATER QUALITY MEASUREMENTS

No ______ Yes X Time ______

Samples Collected

No ______ Yes X 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 20 [✓ feet], mile, above, below gage.

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

Flow laminar

Cross section sandy

Control ______

Gage operating ______ Weather Sunny, slight breeze

Intake/Orifice cleaned ______ Air ______ °C@ ______ Water ______ °C@ ______

Record removed ______ Extreme Indicator: Max. ______ Min. ______

Nitrogen Pressure Tank 1750 Feed 10 Bbl rate ______ per min.

CSG checked ______ Stick reading ______

Observer ______

HWM ______ outside, in well

Remarks ______

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Portable | | | 8" | Flume | | 0.127 | | | = | .0685 |
| | | | | | | | @ 12:06 | | | | |

Portable Flume = 0.127 @ 12:06