

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

Sta. No. Canada stream @ F1

Meas. No. _____

Comp. by _____

Date 1/8/07, 19____ Party PAC, ESG Checked by _____

Width _____ Area _____ Vel. _____ G. H. _____ Disch _____

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

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

Type of meter p75-7 Date rated _____ Tag checked _____

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

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

| GAGE READINGS | | | | WATER QUALITY MEASUREMENTS | | |
|---------------|--------------|--|--------------|----------------------------|---|-----------------------|
| Time | Inside | | Outside | No | Yes <input checked="" type="checkbox"/> | Time <u>1515</u> |
| <u>1510</u> | <u>1.160</u> | | <u>1.260</u> | <u>pH=7.06</u> | <u>Samples Collected</u> | |
| | | | | No | Yes <input checked="" type="checkbox"/> | Time <u>1510</u> |
| | | | | | Method Used <u>S.C. = 15.845</u> | |
| | | | | EDI _____ | EWI _____ | Other <u>WT = 8.9</u> |
| | | | | SEDIMENT SAMPLES | | |
| | | | | No | Yes | Time _____ |
| | | | | | Method Used | |
| | | | | EDI _____ | EWI _____ | Other _____ |
| | | | | BIOLOGICAL SAMPLES | | |
| | | | | Yes | | Time _____ |
| | | | | No | | Type _____ |

Weighted M.G.H. _____

G.H. correction _____

Correct M.G.H. _____

Check bar. chain found _____ changed to _____ at _____

Wading, cable, ice, boat, upstr., downstr., side bridge 0 feet, mile, above, below gage.

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

Flow _____

Cross section _____

Control _____

Gage operating _____ Weather _____

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

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

Nitrogen Pressure Tank 1700 Feed 11 Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks A6 WT=8.99, S.C.=16.2, BV=13.8 @ 1512hrs

discharge measurement is Q thru overflow weir only

| ANGLE COEFFICIENT | DIST. FROM INITIAL POINT | WIDTH | DEPTH | OBSERVATION DEPTH | REVOLUTIONS | TIME IN SECONDS | VELOCITY | | ADJUSTED FOR HOR. ANGLE OR | AREA | DISCHARGE | |
|-------------------|-------------------------------------|-------|-------|-------------------|-------------|-----------------|-------------------|------------------|----------------------------|------|-----------|-----|
| | | | | | | | AT POINT | MEAN IN VERTICAL | | | | |
| | 10.4 | REW @ | | | 1520 | | | | | | | |
| | 10.0 | .4 | .1 | | 30 | 48 | .631 | | | | .85 | |
| | 9.6 | .4 | .14 | | 40 | 46 | .866 | | | | | |
| | 9.2 | .4 | .25 | | 40 | 42 | .946 | | | | .90 | |
| | 8.8 | .4 | .28 | | 50 | 49 | 1.01 | | | | .92 | |
| | 8.4 | | .31 | | | | | | | | .94 | |
| | Broken headphones! wading rod broke | | | | | | Need decent eqpt! | | | | | .96 |
| | | | | | | | | | | | | .97 |
| | | | | | | | | | | | | .98 |
| | | | | | | | | | | | | .99 |
| | 6.0 | LEW | | | | | | | | | 1.00 | |
| | | | | | | | | | | | .99 | |
| | | | | | | | | | | | .98 | |
| | | | | | | | | | | | .97 | |
| | | | | | | | | | | | .96 | |
| | | | | | | | | | | | .94 | |
| | | | | | | | | | | | .92 | |
| | | | | | | | | | | | .90 | |
| | | | | | | | | | | | .85 | |
| | | | | | | | | | | | .80 | |