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U. S. DEPARTMENT OF THE INTERIOR  
Geological Survey

Form 9-275-D  
(Jan. 1988)

WATER RESOURCES DIVISION

Date 12/11, 1998 1400

MISCELLANEOUS FIELD NOTES

Canada Stream @ F1 AB, MG, WS

-  $N_2$  tank = 1700 psi, feed = 10 psi

\*6: IG = 1.30 @1400

OG = 1.20 (0.26 + 0.9) @1402

WT = 7.17 °C

mas = 6.75 °C

SC = 36.1  $\mu$ V

meas = 33.4  $\mu$ V

Volts = 12.8

Ran Levels

Pygmy Meter Meas in flume

CR10

IG = 1.33

@1430

WT = 7.16

SC = 36.3

CR10

1.36

6.48

32.1

@1522

Portable Flume Meas (1445)

US = 0.26 ft.

DS = 0.14 ft.

Q = 0.337 cfs

at about 100 m DS of gage

No. \_\_\_\_\_ of \_\_\_\_\_ sheets

Leaving this one out of  
computation



United States  
Department of the Interior  
Geological Survey  
Water Resources Division

Station Number \_\_\_\_\_

**LEVEL NOTES**Stream Canada Stream @ F1Locality Lake Fryxell, AntarcticaParty MG<sup>+</sup>, AB<sup>+</sup>, WJS Date 12/11/98

| STATION                                   | B.S.  | HT. INST. | F.S.  | ELEV. | REMARKS                                                      |
|-------------------------------------------|-------|-----------|-------|-------|--------------------------------------------------------------|
| RM3                                       | 0.663 | 8.063     |       | 7.40  | bolt 60' SSE of wall                                         |
| RM4                                       |       |           | 1.125 | 6.938 | bolt 113' SE of wall <sup>6.945</sup>                        |
| RPI                                       |       |           | 5.573 | 2.49  | ~1.50-1.51' on staff <sup>2.458</sup><br>bolt on staff plate |
| Staff OG                                  |       |           | 4.609 | 3.454 | hold 2.47                                                    |
| us left<br>top flume                      |       |           | 4.592 | 3.471 |                                                              |
| us right                                  |       |           | 4.580 | 3.483 |                                                              |
| ds left                                   |       |           | 4.592 | 3.471 |                                                              |
| ds right                                  |       |           | 4.588 | 3.475 |                                                              |
| center lip<br>flume                       |       |           | 7.090 | 0.973 | bottom, center<br>u/s lip of flume                           |
| us edge<br>bottom of flume                |       |           | 7.090 | 0.973 |                                                              |
| orifice                                   |       |           | 7.129 | 0.934 | top of brass nut<br>(orifice separate from fl)               |
| TP                                        | 5.068 | 8.098     | 5.033 | 3.030 |                                                              |
| orifice                                   |       |           | 7.168 | 0.930 |                                                              |
| us left corner<br>of flume                |       |           | 4.631 | 3.467 |                                                              |
| ds left                                   |       |           | 4.628 | 3.470 |                                                              |
| ds right                                  |       |           | 4.622 | 3.476 |                                                              |
| RPI                                       |       |           | 5.606 | 2.492 | 2.458                                                        |
| staff OG                                  |       |           | 4.649 | 3.449 | hold 2.47                                                    |
| RM4                                       |       |           | 1.15  | 6.948 |                                                              |
| RM3                                       |       |           | 0.694 | 7.404 | E/c 0.004                                                    |
| RPI heaved by 0.01 ft. .02 reads .02 high |       |           |       |       |                                                              |

PG. NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS \_\_\_\_\_ COMP. BY AB CHK. BY \_\_\_\_\_



## Checked by . . . .

Sta. No. . . . . **DISCHARGE MEASUREMENT NOTES** Checked by . . . .

Canada Stream at F1

Date . 12/11 . . . , 19 98 . . . Party . AB, MG, WS . . .

Width . . . . . Area . . . . . Vel. . . . . G. H. . . . . Disch. OVER 5

Method . . . 6 . . . No. secs. . . . . G. H. change. . . . . in . . . . . hrs. Susp. red

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

Type of meter pym4 . . Date rated 1/80 . . Tag checked . . . . .

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

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

| GAGE READINGS    |  |               |            |                |                     | WATER QUALITY MEASUREMENT |      |                   |
|------------------|--|---------------|------------|----------------|---------------------|---------------------------|------|-------------------|
| <u>Time</u>      |  | <u>Inside</u> | <u>ADR</u> | <u>Graphic</u> | <u>Outside</u>      | No                        | Yes. | Time              |
| 1413             |  | 1.30          |            |                | 0.27 + .03<br>= .30 |                           |      | Samples Collected |
| 1440             |  | 1.33          |            |                | .28<br>(.26)        |                           |      | Method Used       |
|                  |  |               |            |                |                     | EDI                       | EWI  | Other.            |
|                  |  |               |            |                |                     | <u>SEDIMENT SAMPLES</u>   |      |                   |
|                  |  |               |            |                |                     | No                        | Yes. | Time              |
|                  |  |               |            |                |                     |                           |      | Method Used       |
|                  |  |               |            |                |                     | EDI                       | EWI  | Other.            |
|                  |  |               |            |                |                     | <u>BIOLOGICAL SAMPLES</u> |      |                   |
| Weighted M.G.H.  |  |               |            |                |                     | Yes.                      |      | Time              |
| G. H. correction |  |               |            |                |                     | No                        |      | Type              |
| Correct M.G.H.   |  |               |            |                |                     |                           |      |                   |

Check bar, chain found ..... changed to ..... at .....

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

Measurement rated excellent (20%), good (50%), fair (80%), poor (over 80%); based on the following conditions:

Flow: Good 11/1/19

Flow.....fairly uniform.....  
 Concentration.....more in the end of flame

Cross section . . . . . Mid / 1/4 W/3 end of 7 in. . . . .

Control ... Flame ...

Gage operating ..... Weather .....

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

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

Manometer N<sub>2</sub> Pressure Tank . . . . . Feed . . . . . Bbl rate . . . . . per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks .....

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



**River at—**

[illegible]