

Water Resources Division

Comp. by _____

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

Canada Stream @ F1

Date 12/31/98 Party MG, AB

Width 7.6 Area 1.979 Vel. 1.51 G.H. _____ Disch. 2.99

Method pygmy No. Sec. 12 G.H. Change -0.01 in 0.30 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

WATER QUALITY MEASUREMENTS

Time	Inside	WT	SC	Outside
1645	2.02	8.25	22.1	0.99
1700	2.01			0.98
1707				0.98

No. _____ Yes. Time _____
Samples Collected
 No. Yes. _____ Time _____
Method Used
 EDI. _____ EWI. _____ Other. _____

SEDIMENT SAMPLES

No. Yes. _____ Time _____
Method Used
 EDI. _____ EWI. _____ Other. _____

Weighted MGH _____
 GH correction _____
 Correct MGH _____

BIOLOGICAL SAMPLES

Yes. _____ Time _____
 No. 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 following cond:

Flow _____

Cross section _____

Control Clear flow over weir

Gage operating OK Weather breezy, ptly cloudy

Intake/Orifice cleaned NO Air _____ °C@ _____ Water _____ °C@ _____

Record removed _____ Extreme Indicator: Max _____ Min _____

N₂ Pressure Tank 1700 Feed 10 Bbl rate 60 per min. Batt volt 13.6V

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks field WT=6.75 SC=23.5

River at-

.80

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in seconds	VELOCITY		Adjusted for hor- angle or —	Area	Discharge	
							At point	Mean in ver- tical				
	4.4	0.35	LEW	⊙	1652					0	0	
	5.1	0.70	0.32	.6	80	47		1.69		0.224	0.379	
	5.8	0.65	0.30	↓	80	41		1.93		0.195	0.376	
	6.4	0.65	0.30		100	47		2.11		0.195	0.411	
	7.1	0.70	0.30		150	55		2.69		0.210	0.565	
	7.8	0.70	0.30		100	47		2.11		0.210	0.443	
	8.5	0.70	0.36		60	40		1.49		0.252	0.375	
	9.2	0.70	0.28		50	44		1.14		0.196	0.223	
	9.9	0.70	0.28		25	46		0.559		0.196	0.110	
	10.6	0.70	0.18		25	42		0.610		0.126	0.077	
	11.3	0.70	0.25		10	56		0.202		0.175	0.035	
	12.0	0.35	REW		⊙	1703					0	0
											$\Sigma Q =$	2.99
0	$\Sigma W =$	7.6								$\Sigma A =$	1.979	

.85

.90

.94

.97

.98

.99

1.0

.99

.98

.97

.94

.90

.85

.80