

WATER RESOURCES DIVISION

Comp. by.

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

Lost Seal Stream @ F3

Date 12/21, 1998 Party WJS, AB

Width 7.50 Area 1.99 Vel. 1.15 G.H. Disch. 2.29

Method 6 No. secs. 19 G.H. change. in hrs. Susp. rod

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

Type of meter P.Y.G.M.Y. Date rated 1/80 Tag checked

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

Meas. plots. % diff. from. rating. Levels obtained No

CR10 GAGE READINGS / SC WATER QUALITY MEASUREMENTS

Time	WT	Inside	ADR	Graphic	Outside
<u>1700</u>	<u>9.92</u>	<u>1.837</u>	<u>49.6</u>		<u>0.90</u>
<u>51705</u>			<u>↑</u>		
			<u>99.61</u>		
<u>F 1725</u>		<u>1.855</u>			<u>0.94</u>

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

SEDIMENT SAMPLES
 No ... Yes ... Time ...
Method Used
 EDI ... EWI ... Other ...

Weighted M.G.H.
 G. H. correction
 Correct M.G.H.

BIOLOGICAL SAMPLES
 Yes. Time ...
 No ... Type ...

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge. 50 feet mile, above, below gage

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

Flow. steady, fairly uniform

Cross section gravel

Control clear, flow over weir

Gage operating OK Weather Sunny, warm, calm

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

Record removed No Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank 1800 Feed 10 Bbl rate 60 per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks Field TW = 11.0 SC = 62 @ 1700

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

B_gH = 13.94

River at—

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			
	3.2	.20			REW	@ 1705					
	3.6	.40	.20	.6	25	48		.537		.080	.043
	4.0	.40	.12	.6	30	40		.761		.048	.037
	4.4	.40	.22		40	45		.896		.088	.079
	4.8	.40	.25		50	49		1.02		.100	.102
	5.2	.40	.29		50	40		1.25		.116	.145
	5.6	.40	.30		30	47		.652		.120	.078
	6.0	.40	.26		0	60	eddy behind rock	0		.104	0
	6.4	.40	.30		60	46		1.30		.120	.156
	6.8	.40	.30		40	45		.896		.120	.108
	7.2	.40	.28		80	45		1.76		.112	.197
	7.6	.40	.30		70	45		1.55		.120	.186
	8.0	.40	.36		50	48		1.05		.144	.151
	8.4	.40	.30		70	43		1.62		.120	.194
0	8.8	.40	.34		60	43		1.39		.136	.189
	9.2	.40	.33		60	46		1.30		.132	.172
.96	9.6	.40	.30		60	47		1.28	1.23	.120	.148
.96	10.0	.40	.30		70	43		1.62	1.56	.120	.187
.94	10.4	.35	.26		60	43		1.39	1.31	.091	.119
	10.7	.15		.6	LEW	@ 1725				1.991	2.29
	7.5	7.5									