

WATER RESOURCES DIVISION

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

..... Andersen Cr. @ H 1, Lake Hoare

Date 12/13 .., 19 98 .. Party

Width 1.8 .. Area 0.273 .. Vel. 0.392 .. G. H. Disch. 0.107 ..

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

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

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

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

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

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	ADR	Graphic	Outside
<u>1550</u>	<u>12.36</u>			<u>1.09</u>
<u>1640</u>	<u>11.30</u>			<u>0.11</u>
<u>1655</u>	<u>11.27</u>			<u>0.12</u>
<u>1715</u>	<u>1.35</u>			<u>0.15</u>
Weighted M.G.H.				
G. H. correction				
Correct M.G.H.				

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

SEDIMENT SAMPLES

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

BIOLOGICAL SAMPLES

Yes. Time ..
No .. Type ..

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

Wading, cable, ice, boat, upstr., downstr., side bridge. 40 feet, mile, above, below gage.

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

Flow. fairly uniform - P. flume msmt. also made

Cross section sand, gravel

Control found sed in u/s end of flume, cleared

Gage operating found orifice obstructed Weather ptly. cldy, lt breeze

Intake/Orifice cleaned Yes .. Air .. °C@ .. Water 4.0 °C@ ..

Record removed .. Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank 1700 .. Feed 9 .. Bbl rate 80 .. per min.

CSG checked .. Stick reading ..

Observer Found orifice obstructed, covered w/sed

HWM purged, cleaned, etc .. outside, in well

Remarks * IG recovering after purge, etc

Rem levels ..

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			
	1.2	0.2									
	1.6	0.35	.20	.6	0	60		0		0.07	0
	1.9	0.25	.24		5	40		0.150		0.06	0.009
	2.1	0.2	.21		30	46		0.665		0.042	0.0279
	2.3	0.2	.22		50	40		1.25		0.044	0.055
	2.5	0.2	.16		15	50		0.321		0.032	0.0103
	2.7	0.25	.10		7	46		0.177		0.025	0.0043
	3.0	0.15								A = 0.272	
	1.8	1.8									Q = 0.107
	P. flume $Q_m @ 1710$ u/s = .10 d/s = .05										
	OG = .15 IG = 1.31 @ 1700										
	Q = 0.067										