

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 58

Comp. by. JH

WATER RESOURCES DIVISION

Sta. No. CANADA DISCHARGE MEASUREMENT NOTES Checked by JH

Date 12/8/04, 19 Party cy

Width 15.1 Area 5.91 Vel. 1.39 G. H. Disch. 8.20

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

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

Type of meter 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	ADR	Graphic	Outside
1435	Gage	2.3700			1.38
1610	Gage	2.3900			1.36
	cond	17.983			(4.9)
	WT	7.442			6.82
	B✓	12.836			
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

No	Yes	Time
	<input checked="" type="checkbox"/>	
Samples Collected		
No	Yes	Time
	<input checked="" type="checkbox"/>	1615
Method Used		
EDI	EWI	Other

SEDIMENT SAMPLES

No	Yes	Time
<input checked="" type="checkbox"/>		
Method Used		
EDI	EWI	Other

BIOLOGICAL SAMPLES

Yes	Time
No	Type
<input checked="" type="checkbox"/>	

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge. 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.

Manometer N₂ Pressure Tank 1800PSI Feed Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks

$OG = 1.38 + 1.01 = 2.39$ $OG = 1.36 + 1.01 = 2.37$ AE

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
	9.8ft	.3	0				REW	@1505			
	10.4	.6	0.22	.5	0	40	9	0		.132	0
	11.0	.55	0.40	.6	3	40		0	103	.220	.023
	11.5	.4	0.40	.6	30	47		0	.644	.160	.103
	11.8	.3	0.45	.6	40	44		0	.904	.135	.122
	12.1	.3	0.47	.6	60	44		1.34		.141	.189
	12.4	.3	0.42	.6	60	41		1.44		.126	.181
	12.7	.3	0.40	.6	70	46		1.49		.120	.179
	13.0	.3	0.42	.6	60	46		1.28		.126	.161
	13.3	.35	0.48	.6	70	40		1.71		.168	.287
	13.7	.35	0.52	.6	80	42		1.86		.182	.339
	14.0	.3	0.53	.6	80	41		1.91		.159	.304
	14.3	.35	0.48	.6	80	40		1.95		.168	.328
	14.7	.35	0.51	.6	100	49		1.99		.179	.355
o	15.0	.3	0.57	.6	80	43		1.82		.171	.311
	15.3	.35	0.53	.6	80	40		1.47		.186	.273
	15.7	.35	0.52	.6	60	45		1.31		.182	.238
	16.0	.4	0.56	.6	100	48		2.03		.224	.455
	16.5	.5	0.60	.6	100	48		2.03		.300	.609
	17.0	.5	0.65	.6	100	42		2.32		.325	.754
	17.5	.5	0.54	.6	80	42		1.86		.270	.502
	18.0	.5	0.55	.6	70	44		1.56		.275	.429
	18.5	.5	0.46	.6	80	46		1.70		.230	.391
	19.0	.5	0.47	.6	60	42		1.40		.235	.329
	19.5	.5	0.48	.6	60	45		1.31		.240	.314
	20.0	.5	0.40	.6	50	41		1.20		.200	.240
	20.5	.5	0.38	.6	50	42		1.17		.190	.222
	21.9	.75	0.32	.6	50	43		1.15		.240	.276
	22.0	1.0	0.31	.6	25	44		0.579		.310	.179
	23.0	1.45	0.22	.5	15	48		0.331		.319	.106
	24.9	.95	0				LEN	1606			
	15.1									5.91	8.20