

9-275-F
(Apr. 93)U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEYMeas. No. 29

Comp. by

WATER RESOURCES DIVISION

Sta. No. Canada stream @ F1 DISCHARGE MEASUREMENT NOTES

Checked by

Date 11/28, 19 99 Party MG, EC
Width 395' Area 607 Vel. 994 G.H. Disch. 573 cfs
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	WT	SC	Outside	No	Yes	Time
1400	1.45	5.3	29.7	0.41	☒		
					Samples Collected		
					No	Yes	Time
1430	1.45			0.41	☒		
					Method Used		
					EDI	EWI	Other
					SEDIMENT SAMPLES		
					No	Yes	Time
					Method Used		
					EDI	EWI	Other
					BIOLOGICAL SAMPLES		
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 300 feet, mile, above, below gage.
Measurement rated excellent(2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow even, free
Cross section
Control clear, ice upstr.
Gage operating Weather p. cloudy, warm
Intake/Orifice cleaned Air °C@ Water °C@
Record removed Extreme Indicator: Max. Min.
Manometer N₂ Pressure Tank 1800 Feed 10 Bbl rate per min.
CSG checked Stick reading
Observer
HWM outside, in well
Remarks

G. H. of zero flow ft.

Sheet No. of sheets

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 ft ²	Discharge
							At point	Mean in ver- tical			
	LEW = 2.5 @			1	408						
	2.5	0.15	0		0	40		0		0	0
	2.8	0.10	0.12	.6	40	43		0.925		.036	.0333
	3.1	0.3	0.17	.6	45	42		1.058		.051	.0540
	3.4	0.3	0.21		40	41		.968		.063	.0610
	3.7	0.3	0.21		50	43		1.15		.063	.0724
	4.0	0.3	0.24		50	45		1.10		.072	.0792
	4.3	0.3	0.22		50	50		.992		.066	.0655
	4.6	0.35	0.21		45	43		1.038		.0735	.0763
	5.0	0.35	0.11		30	44		.686		.0345	.0264
	5.3	0.3	0.10		40	46		.866		.030	.0260
	5.6	0.3	0.14		30	41		.734		.042	.0308
	5.9	0.3	0.14		30	47		.644		.042	.0270
	6.2	0.275	0.11		30	43		.701		.0382	.0212
0	6.45	0.125	0		0	40	REW @ 1425			0	0
	3.95	3.95						.944		0.6072	0.573