

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey

Meas. No. _____

Water Resources Division

Comp. by _____

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

Onyx River at/above Lake Vanda

Date 12/14/98 Party MG, AB, WJS

Width 6.6 ft. Area 3.334 ft² Vel. 0.278 G.H. _____ Disch. 0.927 cfs

Method .6 No. Sec. 14 G.H. Change _____ in _____ hrs. Susp. rod

Method coef. 1.0 Hor. angle coef. 1.0 Susp. coef. 1.0 Meter No. Y 0877

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			Outside	No..... Yes.....	Time.....
1240	1.399			.073 meters	<input checked="" type="checkbox"/>	1240
					Samples Collected	
					No..... Yes.....	Time.....
					Method Used	
					EDI..... EWI..... Other.....	
					SEDIMENT SAMPLES	
					No..... Yes.....	Time.....
					Method Used	
					EDI..... EWI..... Other.....	
					BIOLOGICAL SAMPLES	
					Yes.....	Time.....
					No.....	Type.....

Check bar, chain found _____ changed to _____ at wier

Wading, cable, ice, boat, upstr., downstr., side bridge 20 feet, mile, above, below, gage.

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

Flow steady but not very uniform

Cross section rocks

Control ~50% thin ice at wier, some melted/blow off during ascent.

Gage operating OK Weather cldy, breezy

Intake/Orifice cleaned No Air _____ °C@ _____ Water 2.5 °C@ _____

Record removed No Extreme Indicator: Max _____ Min _____

N₂ Pressure Tank _____ Feed _____ Bbl rate _____ per min. Batt volt _____

CSG checked _____ Stick reading _____

Observer _____ outside, in well _____

HWM _____

Remarks field SC = 95.6 CR10 SC = 88.9
field WT = 1.79 CR10 WT = 2.5

Batt = 13.7

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

River at---

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			
VB	2.0	.40	.24	REW @	1300	.7 x 0 = 0				0.096	0
	2.8	.70	.54	.6	0	60		0		0.378	0
	3.4	.50	.50	.6	3	40		.101		0.250	0.0253
	3.8	.40	.62	.6	10	44		.250		0.248	0.062
	4.2	.40	.62	}	25	43		.596		0.248	0.148
	4.6	.40	.70		20	48		.435		0.280	0.123
	5.0	.40	.72		15	42		.377		0.288	0.109
	5.4	.40	.66		20	43		.482		0.264	0.127
	5.8	.40	.66		20	42		.493		0.264	0.130
	6.2	.40	.64		20	47		.444		0.264	0.117
	6.6	.40	.66		7	41		.195		0.264	0.0515
	7.0	.50	.50		5	45		.137		0.250	0.0343
	7.6	.80	.30		.6	0	60		0	0.240	0
0	8.6	.50	0		LEW @	1315					0
										A = 3.334	
										Q = 0.927	