9-275-F
(Apr. 93)

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

Water Resources Division

Meas. No._____

Comp. by_____

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

Onyx River at lower Wright

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

Width 14.2 ft Area 5.356 ft² Vel. 0.180 ft/s G.H._____ Disch. 0.962 cfs

Method 6 No. Sec. 23 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

Time	Inside	CR10			Outside
1050		1.37			.30
1105					.30
1135		1.36			.30
Weighted MGH					
GH correction					
Correct MGH					

WATER QUALITY MEASUREMENTS

No..... Yes...X... Time..1050

Samples Collected

No..... Yes...X... Time.....

Method Used

EDI..... EWI..... Other...X...

SEDIMENT SAMPLES

No...X... Yes..... Time.....

Method Used

EDI..... EWI..... Other.....

BIOLOGICAL SAMPLES

Yes.....Time.....

No...X...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 following cond:

Flow fairly uniform

Cross section sand, gravel

Control very minor shore ice on control

Gage operating OK Weather cloudy, lt snow, breezy

Intake/Orifice cleaned_____ Air_____°C@_____ Water 2.8 °C@_____

Record removed_____ Extreme Indicator: Max_____ Min_____

N_2 Pressure Tank_____ Feed_____ Bbl rate_____per min. Batt volt_____

CSG checked_____ Stick reading_____

Observer_____

HWM_____outside,in well_____

Remarks SC (field) = 28.0 CR10 SC = 24.2

CR 10 WT = 2.16

Batt = 14.2 v

G.H. of zero flow_____ft. Sheet No._____of_____sheets

River at---

Angle coef-ficient	Dist. from initial point ft	Width	Depth	Observa-tion depth	Rev-olu-tions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in ver-tical	Adjusted for hor.-angle or ———	Area	Discharge
	5.4	.80			REW @		1105				
	7.0	1.50	.16	.6	0	60		0		0.24	0
	8.4	1.0	.24		3	50		.087		.240	0.0209
	9.0	.55	.20		7	41		.195		0.11	0.0215
	9.5	.50	.30		7	47		.174		.150	0.0261
	10.0	.50	.38		7	40		.199		.190	0.0378
	10.5	.50	.46		10	50		.223		.230	0.0513
	11.0	.50	.38		15	44		.361		.190	0.0686
	11.5	.50	.42		7	40		.199		.210	0.0419
	12.0	.50	.42		15	48		.333		.210	0.0699
	12.5	.50	.52		15	40		.394		.260	0.102
	13.0	.50	.52		15	59		.276		.260	0.0718
	13.5	.50	.50		7	44		.183		.250	0.0458
0	14.0	.50	.68		10	46		.240		.340	0.0816
	14.5	.50	.62		7	55		.152		.310	0.0471
	15.0	.50	.64		10	48		.232		.320	0.0742
	15.5	.50	.62		15	48		.333		.310	0.1032
	16.0	.50	.60		5	41		.147		.300	0.0441
	16.5	.50	.56		3	40		.101		.280	0.0283
	17.0	.65	.40		3	40		.101		0.26	0.0263
	17.8	1.50	.38		0	60		0		0.57	0
	19.0	.90	.14	.6	0	60		0		0.126	0
	19.6	.30			LEW @	1130			A=	5.356	
										Q= 0.962 cfs	

.80 .85 .90 .94 .97 .98 .99 1.0 .90 .85 .80