9-275-H
(Rev. 6-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. _____

Comp. by _____

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

Checked by _____

Onyx River @ Lower Wright

Date 12/27, 1998 Party AB, MG, BH, WS

Width 31.0 ft. Area 26.41 ft² Vel. 1.11 ft/s G.H. _____ Disch. 29.36 cfs

Method ~~fxjmy~~ No. secs. 28 G.H. change _____ in _____ hrs. Susp. _____

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

Date rated _____ Used rating for rod _____ susp. Meter _____ ft

above bottom of wt. Tags checked _____ Spin before meas. _____ after _____

Meas. plots _____ % diff. from _____ rating. Wading, cable, ice, boat, upstr., downstr., side 50 ft

bridge _____ feet, mile, above, below gage. Levels obtained _____

BASE GAGE READINGS @1200

Time	~~SC field~~	~~WT field~~ Recorder	Inside	Outside
1205	28.4	5.5°C	2.13ft.	0.53m
1230			2.12ft.	0.53m
1245			2.12ft.	0.53m
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

AUX. GAGE READINGS

Time		Recorder	Inside	Outside
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

Check-bar, chain found _____ Check-bar, chain found _____

changed to _____ at _____ changed to _____ at _____

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on following conditions: Cross section _____

Flow _____ Weather _____

Other _____ Air _____ ° F. @ _____

Gage _____ Water _____ ° F. @ _____

_____ Record removed _____ Intake flushed U L _____

Observer _____

Control _____

Remarks N_2 tank = 1700 psi, fuel = 9 psi

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

Conductance _____

Clarity _____

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in vertical	Adjusted for hor. angle or ----------	Area	Discharge	
	5.8	1.1	0			LEW @ 1209					∅	.80
	8.0	1.85	0.60	.6	50	40		1.25		1.11	1.39	.85
	9.5	1.25	0.82	.6	30	40		0.761		1.03	0.784	
	10.5	1.0	1.14	.6	40	49		0.826		1.14	0.942	
	11.5	1.0	1.27	.6	40	49		0.826		1.27	1.05	.90
	12.5	1.0	1.25	.6	50	50		1.00		1.25	1.25	.92
	13.5	1.0	1.10	.6	50	48		1.05		1.10	1.16	.94
	14.5	1.0	1.00	.6	60	41		1.46		1.00	1.46	
	15.5	1.0	1.07	.6	80	51		1.56		1.07	1.67	.96
	16.5	1.0	1.14	.6	80	52		1.53		1.14	1.74	.97
	17.5	1.0	1.20	.6	60	42		1.42		1.20	1.70	.98
	18.5	1.0	1.20	.6	80	46		1.73		1.20	2.08	.99
	19.5	1.0	1.17	.6	80	50		1.59		1.17	1.86	
	20.5	1.0	1.10	.6	80	47		1.69		1.10	1.86	
⊙	21.5	1.0	1.07	.6	60	41		1.46		1.07	1.56	1.00
	22.5	1.0	1.02	.6	80	53		1.50		1.02	1.53	
	23.5	1.0	0.92	.6	50	43		1.16		0.92	1.07	
	24.5	1.0	1.00	.6	50	49		1.02		1.00	1.02	.99
	25.5	1.0	1.00	.6	40	43		0.937		1.00	0.937	.98
	26.5	1.0	1.05	.6	40	42		0.968		1.05	1.02	.97
	27.5	1.0	1.02	.6	40	43		0.937		1.02	0.956	.96
	28.5	1.0	0.95	.6	40	51		0.794		0.95	0.754	
	29.5	1.0	0.90	.6	40	53		0.765		0.96	0.689	.94
	30.5	1.0	0.77	.6	25	45		0.571		0.77	0.440	.92
	31.5	1.25	0.70	.6	15	44		0.361		0.875	0.316	.90
	33.0	1.5	0.36	.6	10	50		.223		0.540	0.120	
	34.5	1.9	0.27	.6	0	60		0		0.513		
	36.8	1.15	0		REW @	1240						.85
										ΣQ = 29.36 cfs		
									ΣA = 26.41 ft²			
												.80

.0 .10 .20 .30 .40 .50 .60 .70 .75