

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Meas. No. \_\_\_\_\_

WATER RESOURCES DIVISION

Comp. by \_\_\_\_\_

Sta. No. \_\_\_\_\_ **DISCHARGE MEASUREMENT NOTES**

Checked by \_\_\_\_\_

ONYX RIVER @ VANDA  
 Date 1-9, 1996 Party HH YAL  
 Width 15.5 Area 8.56 Vel. 0.07 G.H. 0.116 meters Disch. 0.63 cfs  
 Method pygmy No. secs. 26 G.H. change 1 in 809 hrs. Susp. \_\_\_\_\_  
 Method coef. 0.6 Hor. angle coef. 1.0 Susp. coef. 0.7809 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  
 bridge 15 feet mile, above, below gage. Levels obtained \_\_\_\_\_

BASE GAGE READINGS			
Time	Recorder	Inside	Outside
<u>14:30</u>		<u>1.54'</u>	<u>0.112 meters</u>
<u>15:01</u>		<u>1.57'</u>	<u>0.120 meters</u>
			<u>0.367'</u>
			<u>0.393'</u>
<u>1445</u>			
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 \_\_\_\_\_ changed to \_\_\_\_\_ at \_\_\_\_\_  
 Check-bar, chain found \_\_\_\_\_ changed to \_\_\_\_\_ at \_\_\_\_\_

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

Flow UNSTEADY Weather \_\_\_\_\_

Other \_\_\_\_\_ Air \_\_\_\_\_ ° F. @ \_\_\_\_\_

Gage \_\_\_\_\_ Water \_\_\_\_\_ ° F. @ \_\_\_\_\_

Record removed \_\_\_\_\_ Intake flushed

Observer \_\_\_\_\_

Control \_\_\_\_\_

Remarks MEASUREMENT QUESTIONABLE because of vary low velocities - leakage around weir is approximately 1/3 flow

G.H. of zero flow 0.30 (feet) ft. Sheet No. \_\_\_\_\_ of \_\_\_\_\_ sheets.

Conductance \_\_\_\_\_  
Clarity \_\_\_\_\_

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			
REW 14:30	0.5		0	.6	0	40					
	2.0		0.55		1	24.4					.85
	2.5		0.45		2	55.2					
	3.0		0.45		1	46					
	3.5		0.40		2	43.4					.90
	4.0		0.40		1	38.3					.92
	4.5		0.40		0	40					.94
	5.0		0.40		1	48					.96
	5.5		0.40		0	40					.97
	6.0		0.40		0	40					.98
	<del>6.5</del>										.99
	7.0		.50		0	40					.99
	8.0		.65		0	40					
	8.5		.75		0	40					
○	9.0		.85		0	40					1.00
	9.5		.90		0	40					
	10		1.0		1	41.5					.99
	10.5		1.0		1	42.1					.98
	11.0		1.0		5	47.9					.97
	11.5		1.0		12	43.5					.96
	12.0		1.0		8	52.9					.94
	12.5		1.0		2	61.5					.92
	13.0		0.70		3	58.9					.90
	13.5		0.55		9	43					.90
	14.0		0.40		7	41.3					
	14.5		0.20		4	48					
REW 14:59	16.0		0.0		0	40					.85