

9-275-G  
(Rev. 10-81)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Meas. No. ....

WATER RESOURCES DIVISION

Comp. by. ....

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

*onyx River @ Lake vanda weir*  
Date *12/30*, 19 *94* Party *HH-GD*  
Width *11.6* Area *3,095* Vel. *0.682* G.H. *0.100 meters* Disch. *2.11 cfs*  
Method *1.6* No. secs. *26* G.H. change. .... in .... hrs. Susp. ....  
Method coef. .... Hor. angle coef. *1.0* Susp. coef. .... Meter No. ....  
Type of meter *Pygmy* Date rated ..... Tag checked .....  
Meter ..... ft. above bottom of wt. Spin before meas.  after   
Meas. plots. .... % diff. from. .... rating. Levels obtained. .... *yes*

GAGE READINGS <i>tape w</i>					WATER QUALITY MEASUREMENTS	
Time	Inside	ADR	Graphic	Outside	No	Yes
<i>1213</i>	<i>1.408</i>		<i>0.66</i>	<i>0.100 m</i>	<input checked="" type="checkbox"/>	Time .....
<i>1240</i>	<i>1.40</i>		<i>0.66</i>	<i>0.102 m</i>	<input checked="" type="checkbox"/>	Time .....
						Method Used
					EDI	EWI Other
						SEDIMENT SAMPLES
					<input checked="" type="checkbox"/>	Time .....
						Method Used
					EDI	EWI Other
						BIOLOGICAL SAMPLES
					Yes	Time .....
					No	Type .....

Check bar. chain found ..... changed to ..... at .....

Wading, cable, ice, boat, upstr., downstr., side bridge. *30* feet, mile, above, below gage.

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

Flow. .... *STEADY* .....

Cross section *SANDY, UNEVEN* .....

Control *weir + weir plate + side flow* .....

Gage operating *Yes* Weather .....

Intake/Orifice cleaned *No* Air ..... °C@ ..... Water ..... °C@ .....

Record removed *Yes* Extreme Indicator: Max. .... Min. ....

Manometer N<sub>2</sub> Pressure Tank *1200* Feed ..... Bbl rate *OK* per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks *Depth on V notch 0.26 ft., ESTIMATED*  
*unmeasured flow is 0.01 cfs.*

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 sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
LEW 1216	1.7		0		0	0					
	3.0		0.10		17	40					
	4.0		0.10		27	41					.85
	4.4		0.18		31	41					
	4.8		0.20		30	40.8					.90
	5.2		0.22		26	46					.92
	5.6		0.22		30	41					
	6.0		0.25		25	42					.94
	6.4		0.30		25	47					.96
	6.8		0.32		25	42.4					.97
	7.2		0.30		17	40.5					.98
	7.6		0.35		16	42					.99
	8.0		0.40		19	40					
	8.4		0.50		21	40					
⊙	8.8		0.52		27	40					1.00
	9.2		0.45		35	41.2					
	9.6		0.35		35	41.8					
	10.0		0.35		29	42					.99
	10.4		0.40		28	40					.98
	10.8		0.40		33	40.2					.97
	11.2		0.37		34	41.8					.96
	11.6		0.37		35	40.2					.94
	12.0		0.35		37	40					.92
	12.4		0.25		32	40					.90
	12.8		0.20		25	40					
LEW 1239	13.3		0		0	40					

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