

Angle cor- rect	Dist. from initial point	Width	Depth	Obser- vation depth	Re- volu- tions	River m- Time in seconds	VELOCITY		Adjusted for bow angle or	Area	Discharge
							At point	Mean in sec- tical			
	9.5		0.26		se 1 foot						
	10.7	1.0	0		se 120	6 ft =	0.30	5			
	10.7	.70	0.36		10	40			0.000	0.00	
	10.6	.40	0.35		5	51			0.000	0.00	
	11.0	.40	0.33		8	45			0.137	0.01	
	11.4	.40	.32		12	42			0.101	0.01	
	11.8	.40	.33		11	42			0.227	0.01	
	12.2	.40	.33		8	48			0.134	0.01	
	12.6		.38		6	42			0.081	0.01	
	13.0		.35		8	41			0.109	0.02	
	13.4		0.30		11	41			0.103	0.02	
0	13.8		0.27		9	42			0.148	0.02	
	14.2		0.30		8	44			0.147	0.02	
	14.6		0.35		8	58			0.270	0.04	
	15.0		.36		8	46			0.199	0.03	
	15.4		0.37		6	41			0.240	0.04	
	15.8		.42		9	40			0.120	0.03	
	16.2		.42		5	40			0.112	0.03	
	16.8		.28		7	41			0.128	0.02	
	17.2	.40	.25		2	40			0.128	0.03	
	17.6		.25		0	40			0.104	0.03	
	18.6		.23		0	40			0.120	0.00	
	20.0		0						0		
			13.00			6 ft =	0.30	5			

(Sticky cat whisker on this measurement)

Angle cor- rect	Dist. from initial point	Width	Depth	Obser- vation depth	Re- volu- tions	River m- Time in seconds	VELOCITY		Adjusted for bow angle or	Area	Discharge
							At point	Mean in sec- tical			
	19.4	20.7	0.35	0	6	0			0	0	0
13.4	20	0.55	0.10		0	0			0	0.055	0
1.0	19.6	0.40	0.10		5	45			0.137	0.040	0.01
	19.2	0.40	0.15		3	40			0.101	0.060	0.01
	18.8	0.40	0.15		10	49			0.227	0.060	0.01
	18.4	0.40	0.15		5	46			0.134	0.060	0.01
	18.0	0.60	0.25		8	55			0.081	0.150	0.01
	17.2	0.60	0.30		5	60			0.109	0.180	0.02
	16.8	0.40	0.38		3	39			0.103	0.152	0.02
	16.4	0.40	0.40		6	49			0.148	0.160	0.02
	16.0	0.40	0.40		5	41			0.147	0.160	0.02
	15.6	0.40	0.40		10	50			0.270	0.160	0.04
	15.2	0.40	0.38		7	40			0.189	0.152	0.03
	14.8	0.40	0.40		10	46			0.240	0.160	0.04
	14.4	0.40	0.30		10	42			0.261	0.120	0.03
	14.0	0.40	0.28		10	40			0.270	0.112	0.03
0	13.6	0.40	0.32		6	50			0.145	0.128	0.02
	13.2	0.40	0.32		12	48			0.272	0.128	0.03
	12.8	0.40	0.26		10	40			0.272	0.104	0.03
	12.4	0.40	0.30		0	40			0.000	0.120	0.00
	12.0	0.40	0.32		12	46			0.283	0.128	0.04
	11.6	0.40	0.30		16	43			0.392	0.120	0.05
	11.2	0.40	0.20		7	48			0.170	0.080	0.01
	10.8	0.40	0.20		10	40			0.272	0.080	0.02
	10.4	0.40	0.18		5	40			0.150	0.072	0.01
	10.0	0.50	0.20		5	43			0.142	0.100	0.01
11.0	9.4	0.90	0.12		10	0			0.188	0.108	0.02
11.0	8.2	0.60	0		0	0			0.000	0.000	0.00

Convert Q into ft³/s

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 0NYXI
Comp. by. HRH

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

Onyx River at Lower Wright
Date 1 Dec, 19 93 Party HRH, PBY, PD (15.57 hrs)
Width 12.5 Area 2.95 Vel. 0.186 G. H. 0.305 Disch. 0.55 cfs
Method 1.6 No. secs. 28 G. H. change. 0 in 1/3 hrs. Susp. Red
Method coef. Hor. angle coef. 1.0 Susp. coef. Meter No.
Type of meter Plomb Date rated Tag checked
Meter ft. above bottom of wt. Spin before meas. File after File
Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS					WATER QUALITY MEASUREMENTS	
Time	Inside	ADR	Graphic	Outside	No	Yes
<u>1256</u>			<u>0.315</u>	<u>0.230</u>		
				<u>0.305</u>	Samples Collected	
					No	Yes
					Method Used	
<u>1330</u>				<u>0.305</u>	EDI	EWI
					SEDIMENT SAMPLES	
<u>1405</u>				<u>0.305</u>	No	Yes
					Method Used	
					EDI	EWI
Weighted M.G.H.					BIOLOGICAL SAMPLES	
G. H. correction					Yes	Time
Correct M.G.H.					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. even
Cross section smo, gravel, good
Control BRIDGE, ice
Gage operating yes Weather windy, cool
Intake/Orifice cleaned Air °C@ Water 3.05 °C@
Record removed Extreme Indicator: Max. Min.
Manometer N₂ Pressure Tank Feed Bbl rate per min.
CSG checked Stick reading
Observer
HWM outside, in well
Remarks float is free 0.22 millimols 22 micromols
Met up with Ian's An no more
G.H. of zero flow ft. Sheet No. of sheets