

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No.

Comp. by. CHW

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by PRW

McKnight
Date Jan 2, 192009 Party CH Wilson, PR Wright
Width 37.0 Area 7.617 Vel. 1.02 G. H. Disch. 7.78
Method 6 No. secs. G. H. change. in hrs. Susp. Red
Method coef. 1 Hor. angle coef. 1 Susp. coef. 1 Meter No. 805076
Type of meter Pygmy Date rated 4/29/68 Tag checked ✓
Meter ft. above bottom of wt. Spin before meas. after
Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS					WATER QUALITY MEASUREMENTS	
Time		Inside	ADR	Graphic	Outside	No. Yes. <u>✓</u> Time <u>2340</u>
	<u>No gage, misc measurement</u>					<u>Samples Collected</u>
						No. Yes. <u>✓</u> Time <u>2340</u>
						<u>Method Used</u>
						EDI EWI Other.
						<u>SEDIMENT SAMPLES</u>
						No. <u>✓</u> Yes. Time
						<u>Method Used</u>
						EDI EWI Other.
						<u>BIOLOGICAL SAMPLES</u>
						Yes. Time
						No. <u>✓</u> Type

Check bar. chain found changed to at
Wading cable, ice, boat, upstr., downstr., side bridge. 200 feet, mile, above, below lake.
Measurement rated excellent (2%), good (5%), fair (8%) poor (over 8%) based on the following cond:
Flow Dr. from slightly turbulent
Cross section shallow, gravel, sand
Control Reefle, clear
Gage operating None Weather Clear, Cool, Windy
Intake/Orifice cleaned Air °C@ Water °C@
Record removed Extreme Indicator: Max. Min.
Manometer N₂ Pressure Tank NA Feed Bbl rate per min.
CSG checked Stick reading
Observer
HWM outside, in well
Remarks Pygmy measurement made w/ specially rated pygmy flow chart
G.H. of zero flow ft. Sheet No. of sheets

River at—											
Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
							At point	Mean in vertical			
	6	1.0	0		REW 0001						
	8	1.75	0.1	5	25	48		0.550		.175	.096
	9.5	1.5	0.14	5	25	46		0.572		.21	.120
	11.0	1.5	0.18		40	45		0.914		.27	.247
	12.5	1.5	0.20		40	41		1.00		.30	.30
	14.0	1.5	0.21		30	40		0.777		.315	.245
	15.5	1.5	0.22		50	47		1.087		.33	.359
	17.0	1.5	0.25		20	40		0.529		.375	.198
	18.5	1.5	0.25		60	46		1.38		.375	.499
	20.0	1.5	0.28		40	40		1.024		.42	.428
	21.5	1.5	0.25		60	43		1.415		.375	.532
	23.0	1.5	0.25		60	44		1.384		.375	.518
	24.5	1.5	0.30		60	41		1.481		.45	.666
	26.0	1.5	0.25		40	48		.859		.375	.322
0	27.5	1.5	0.29		40	42		.977		.435	.425
	29.0	1.5	0.29		50	44		1.159		.435	.505
	30.5	1.5	0.25		50	40		1.272		.375	.476
	32.0	1.5	0.25		50	49		1.044		.375	.39
	33.5	1.5	0.20		7	57		.155		.30	.046
	35.0	1.5	0.20		60	48		1.272		.30	.381
	36.5	1.5	0.20		40	46		0.895		.30	.268
	38.0	1.5	0.21		60	45		1.354		.315	.425
	39.5	1.75	0.15		30	45		0.694		.262	.182
	41.5	1.75	0.1	5	40	52		0.796		.175	.139
	43	1.75	10		LEW 0100					7.617	7.767
		370						22.53			
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