38.0
1.8
26|36.2 1.8
20
16

9-275-F
(May 1971)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

DISCHARGE MEASUREMENT NOTES

Meas. No. _____

Comp. by _____

Checked by _____

Sta. No. Mearson Spring

Date 0803.11, 20 19 Party Willie & Rick

Width _____ Area _____ Vel. _____ G. H. _____ Disch. _____

Method _____ No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____

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

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

Type of meter _____

Date rated _____ for rod, other.

Meter _____ ft. above bottom of weight.

Spin before meas. _____ after _____

Meas. plots ___ % diff. from rating _____

Wading, cable, ice, boat, upstr., downstr., side bridge _____ feet, mile, above, below gage, and _____

Check-bar, found _____

changed to _____ at _____

Correct _____

Levels obtained _____

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 Spring run

G. H. of zero flow _____ ft.

1.8

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
~~REW~~	~~38.0~~										
LEW 1300	1.8		0				0				
	3.6		0.22				0.35				
	5.4		1.2				0.26				
	7.2		1.2				0.31				
	9.0		1.21				0.85				
	10.8		1.35				1.17				
	12.6		1.38				1.17				
	14.4		1.30				1.33				
	16.8		1.25				1.52				
	18.6		1.40				1.13				
	20.4		1.50				1.58				
	22.2		1.60				1.12				
	24.0		1.45				1.10				
	25.8		1.72				0.56				
	27.6		1.70				1.37				
	29.4		1.69				0.92				
	31.2		1.60				1.03				
	33.0		1.35				0.64				
	34.8		0.82				0.06				
	36.6		0.40				0.02				
REW 1325	38.0		0				0				

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