

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 22

WATER RESOURCES DIVISION

Comp. by.

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

Aikem Creek @ FS

Date 12/28, 19 98 Party AB, BH

Width Area 7.339 Vel. G. H. Disch. 4.03

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

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

Type of meter Date rated Tag checked

Meter ft. above bottom of wt. Spin before meas. after

Meas. plots. % diff. from. rating. Levels obtained

GAGE READINGS SC

Time	WT	Inside	ADR	Graphic	Outside
1345	8.89	1.77	128.7		0.77
1445		1.76			0.76
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WATER QUALITY MEASUREMENTS

No Yes. Time

Samples Collected

No Yes. Time

Method Used

EDI EWI Other.

SEDIMENT SAMPLES

No Yes. Time

Method Used

EDI EWI Other.

BIOLOGICAL SAMPLES

Yes. Time

No Type

Weighted M.G.H.

G. H. correction

Correct M.G.H.

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge 75 feet, mile, above, below gage

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

Cross section

Control clear

Gage operating OK Weather Warm, Sunny

Intake/Orifice cleaned Air °C@ Water °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 Field WT = 8.9 SC = 101

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			
	5.5		LEW		140						
	6.1		0.22		0						
	6.7		0.2		0						
	7.3		0.23								
	25.1	0.25	REN		@ 14	10					
	24.6	0.5	0.34		0	60		0		0.17	0
	24.1	0.75	0.36		0	60		0		0.27	0
	23.1	1	0.26		0	60		0		0.26	0
	22.1	1	0.33		0	60		0		0.33	0
	21.1	1	0.40		0	60		0		0.40	0
	20.1	1	0.4		0	60		0		0.40	0
	19.1	0.75	0.42		10	42		0.261		0.315	0.082
	18.6	0.5	0.44		25	42		0.610		0.22	0.134
o	18.1	0.5	0.43		50	44		1.14		0.215	0.245
	17.6	0.5	0.48		40	44		0.916		0.24	0.220
	17.1	0.5	0.48		60	47		1.28		0.24	0.307
	16.6	0.5	0.5		50	46		1.09		0.25	0.273
	16.1	0.5	0.51		60	48		1.28		0.255	0.326
	15.6	0.5	0.52		60	44		1.36		0.26	0.354
	15.1	0.5	0.48		40	50		0.810		0.24	0.194
	14.6	0.5	0.5		40	49		0.826		0.25	0.207
	14.1	0.5	0.48		50	41		1.22		0.24	0.293
	13.6	0.5	0.53		50	44		1.14		0.265	0.302
	13.1	0.5	0.48		50	45		1.11		0.24	0.266
	12.6	0.5	0.47		40	47		0.859		0.235	0.202
	12.1	0.5	0.44		30	40		0.761		0.22	0.167
	11.6	0.5	0.48		30	43		0.710		0.24	0.170
	11.1	0.75	0.44		30	57		0.542		0.33	0.179
	10.1	1	0.41		10	41		0.266		0.41	0.109
	9.1	1	0.33		0	60		0		0.33	0
	8.1	1	0.28		0	60		0		0.28	0

7.1	1.3	0.18		0	60		0		0.234	0
5.5	0.8	LEW		144	0				Q =	4.03
19.6	19.6							A =	7.339	