9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey

Water Resources Division

Meas. No. 17

Comp. by _____

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

Crescent Stream @ F8

Date 1/1/99 Party MG, AB

Width 1.5 ft. Area 0.18 ft² Vel. 1.58 ft/s G.H. _____ Disch. 0.284 cfs

Method 0.6 No. Sec. 6 G.H. Change _____ in _____ hrs. Susp. _____

Method coef. _____ Hor. angle coef. _____ 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 _____

GAGE READINGS

Time	Inside	WT	SC	TD	Outside
1415	3.01	4.20	194.6	1.17	3.07
1423				1.17	3.07
Weighted MGH					
GH correction					
Correct MGH					

WATER QUALITY MEASUREMENTS

No..... Yes..X..... Time.....

Samples Collected

No..X..... Yes..... Time.....

Method Used

EDI..... EWI..... Other.....

SEDIMENT SAMPLES

No..X..... Yes..... Time.....

Method Used

EDI..... EWI..... Other.....

BIOLOGICAL SAMPLES

Yes.....Time.....

No..X.....Type.....

Check bar, chain found _____ changed to _____ at _____

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

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

Flow _____

Cross section _____

Control _____

Gage operating OK Weather cloudy, cool

Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____

Record removed _____ Extreme Indicator: Max _____ Min _____

N_2 Pressure Tank 1800 Feed 10 Bbl rate 60 per min. Batt volt 13.7

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside,in well _____

Remarks field WT = 4.0 SC = 183.7

Rebar elev = 4.239

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 seconds	VELOCITY: At point	VELOCITY: Mean in ver-tical	Adjusted for hor.-angle or ———	Area	Discharge
	3.0	0.175	REW	@	1416						0
	3.35	0.3	0.18	.6	80	42		1.89		0054	0.102
	3.6	0.25	0.18	|	80	43		1.85		0.045	0.083
	3.85	0.25	0.14	|	60	40		1.49		0.035	0.052
	4.1	0.325	0.14	|	50	49		1.02		0.046	0.047
	4.5	0.20	LEW	@	1422						0
				↓							
										$\Sigma Q = 0.284$ cfs	
									$\Sigma A_i = 0.18 ft^2$		
o											