

9-275-F
(Apr. 93)

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

Meas. No. 26

Comp. by _____

Water Resources Division

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

Prisco Stream @ B1

Date 1/10/99 Party MG, AB

Width 3.7 Area 0.9994 Vel. 1.82 G.H. 1.90 Disch. 1.71 cfs

Method 0.6 No. Sec. _____ 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 | **WATER QUALITY MEASUREMENTS**

Time	Inside	WT		Outside
1330	1.86	8.56		0.88
1357				0.88
1400				

No. Yes..... Time.....
Samples Collected
 No. Yes..... Time.....
Method Used
 EDI..... EWI..... Other.....

SEDIMENT SAMPLES
 No. Yes..... Time.....
Method Used
 EDI..... EWI..... Other.....

Weighted MGH _____
 GH correction _____
 Correct MGH _____

BIOLOGICAL SAMPLES
 Yes..... Time.....
 No. Type.....

Check bar, chain found _____ changed to _____ at _____

Wading, cable, ice, boat, upstr., downstr., side bridge 60 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 _____ Weather windy, chilly clouds moving in

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

Record removed _____ Extreme Indicator: Max _____ Min _____

N₂ Pressure Tank 1600 Feed 10 Bbl rate 60 per min. Batt volt 13.71

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks field WT = 7.75 offset = 1.01
SL = 105 μS

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu-tions	Time in seconds	VELOCITY		Adjusted for hor- angle or —	Area	Discharge
							At point	Mean in ver- tical			
	5.0	0.20			REV @ 1345						0
	5.4	0.35	0.20	0.6	30	44		0.694		0.070	0.049
	5.7	0.30	0.25	↓	80	43		1.85		0.075	0.139
	6.0	0.30	0.25		100	44		2.25		0.075	0.169
	6.3	0.30	0.25		100	44		2.25		0.075	0.169
	6.6	0.30	0.25		100	41		2.41		0.075	0.181
	6.9	0.30	0.30		150	58		2.55		0.090	0.230
	7.2	0.30	0.30		100	43		2.30		0.090	0.207
	7.5	0.30	0.35	100	49		2.02		0.105	0.212	
	7.8	0.35	0.40	80	52		1.53		0.140	0.214	
	8.2	0.45	0.32	40	43		0.932		0.144	0.135	
	8.7	0.25			LEV @ 1355						
0											$\Sigma Q = 1.71 \text{ cfs}$
											$\Sigma A = 0.939 \text{ ft}^2$

.85

.90

.94

.97

.98

.99

1.0

.99

.98

.97

.94

.90

.85

.80