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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. B2C

Comp. by. I+H

Checked by .....

DISCHARGE MEASUREMENT NOTES

Sta. No. ..... Henry Stream - site B2

Date 1/5, 1994 Party I.H./G.D

Width 8.50 Area 5.015 Vel. 3.043 G.H. 3.26 Disch. 15.26

Method 0.6 No. secs. 28 G. H. change -0.08 in 1.13 hrs. Susp. .....

Method coef. ..... Hor. angle coef. 1.0 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 NO

GAGE READINGS Top Down

Time		Inside	ADR	Graphic	Outside
1855		1.73		0.20	3.30
1918		1.74		0.28	3.22
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

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

Sampies Collected

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

Method Used

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

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. 20 feet, mile, above, below gage.

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

Flow. turbulent

Cross section Sand + gravel, uneven

Control Flume

Gage operating NO - STAGE BOARD Weather Sunny, light gravelly wind

Intake/Orifice cleaned yes Air ..... °C@ ..... Water ..... °C@ .....

Record removed NO Extreme Indicator: Max. ..... Min. .....

Manometer N_2 Pressure Tank 1300 Feed ..... Bbl rate ..... per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks Depth on weir is 0.80 ft. Ice chunks floating in stream during measurements

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G.H. of zero flow ..... ft. Sheet No. ..... of ..... sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75

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	
Low 1900	3.0		0.2		30	23						.80
	3.3		0.3		40	20						.85
	3.6		0.3		60	24						
	3.9		0.35		60	22						.90
	4.2		0.50		70	25						
	4.5		0.60		60	23						.92
	4.8		0.65		60	20						.94
	5.1		0.85		80	24						
	5.4		0.85		100	22						.96
	5.7		0.90		80	21						.97
	6.0		0.90		80	21						.98
	6.3		1.0		80	22						.99
	6.6		0.80		70	22						
	6.9		0.90		60	23						
⊙	7.2		0.90		60	22						1.00
	7.5		0.80		60	22						
	7.8		0.70		60	22						
	8.1		0.70		60	21						.99
	8.4		0.60		60	24						.98
	8.7		0.50		80	22						.97
	9.0		0.50		80	21						.96
	9.3		0.60		70	20						
	9.6		0.60		70	21						.94
	9.9		0.50		60	24						.92
	10.2		0.50		60	22						.90
	10.5		0.40		50	22						
	10.8		0.25		40	22						
Rock Pile	11.5		0.00		0	0						.85
												.80