

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Meas. No. B2E  
Comp. by. HH

WATER RESOURCES DIVISION

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

Henry Stream - Site B-2

Date 1/9, 19 94 Party HH/GD

Width 9.20 Area 2.486 Vel. 2.499 G. H. 2.19 Disch. 6.21

Method 0.6 No. secs. 31 G. H. change +0.07 in 13 hrs. Susp. . . . .

Method coef. . . . . Hor. angle coef. 1.0 Susp. coef. . . . . Meter No. . . . .

Type of meter P49my Date rated . . . . . Tag checked . . . . .

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

Meas. plots. . . . . % diff. from. . . . . rating. Levels obtained. NO

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	ADR	Graphic	Outside
<u>1322</u>	<u>0.87</u>			<u>2.15</u>
<u>1346</u>	<u>0.86</u>			<u>2.22</u>

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

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

Weighted M.G.H. . . . .  
 G. H. correction . . . . .  
 Correct M.G.H. . . . .

BIOLOGICAL SAMPLES  
 Yes. . . . . Time . . . . .  
 No  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 . . . . . Steady

Cross section . . . . . Moving sand + even

Control . . . . . Flume

Gage operating . . . . . Yes Weather P. cloudy + breeze

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

Record removed Yes Extreme Indicator: Max. . . . . Min. . . . .

Manometer N<sub>2</sub> Pressure Tank 1300 Feed . . . . . Bbl rate . . . . . per min.

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

Observer . . . . .

HWM . . . . . outside, in well

Remarks Measurement done after modification of weir. Inside gage not working correctly

G.H. of zero flow 0.6 ft. Sheet No. . . . . of . . . . . sheets

Depth on weir

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			
1327	0.9		0.1		0	0					.80
	1.2		0.2		25	20					.85
	1.5		0.2		40	24					
	1.8		0.25		40	21					.90
	2.1		0.27		40	20					.92
	2.4		0.25		50	21					
	2.7		0.23		60	21					.94
	3.0		0.23		70	22					.96
	3.3		0.25		70	21					.97
	3.6		0.30		70	21					.98
	3.9		0.30		70	20					.99
	4.2		0.34		80	22					
	4.5		0.36		70	21					
	4.8		0.35		60	20					1.00
o	5.1		0.33		70	22					
	5.4		0.30		60	21					
	5.7		0.30		60	20					
	6.0		0.30		70	24					
	6.3		0.30		60	20					
	6.6		0.33		60	20					
	6.9		0.33		60	20					
	7.2		0.30		60	21					
	7.5		0.33		60	21					
	7.8		0.32		50	21					
	8.1		0.30		60	25					
	8.4		0.30		30	23					
	8.7		0.30		30	25					
	9.0		0.25		30	32					
	9.3		0.20		20	32					
	9.6		0.10		15	38					
Rew 1345	10.1		0.10		0	0					