

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Meas. No. ....

Comp. by. ....

WATER RESOURCES DIVISION

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

*Lyons Creek @ BY*

Date *12/31*, 19 *95* Party *HIT*

Width *2.60* Area *0.95* Vel. *1.42* G.H. *5.98* Disch. *1.35*

Method ..... No. secs. *10* G.H. change. .... in ..... hrs. Susp. ....

Method coef. *6* 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. ....

GAGE READINGS

*typed down* WATER QUALITY MEASUREMENTS

Time	Inside	ADR	Graphic	Outside	No	Yes	Time
<i>1353</i>	<i>6.02</i>			<i>4.02</i>			
					<u>Samples Collected</u>		
<i>1407</i>	<i>6.02</i>			<i>4.02</i>	No	Yes	Time
					<u>Method Used</u>		
					EDI	EWI	Other
					<u>SEDIMENT SAMPLES</u>		
					No	Yes	Time
					<u>Method Used</u>		
<i>1401</i>					EDI	EWI	Other
					<u>BIOLOGICAL SAMPLES</u>		
Weighted M.G.H.					Yes		Time
G. H. correction					No		Type
Correct M.G.H.							

Check bar. chain found ..... changed to ..... at .....

Wading, cable, ice, boat, upstr., downstr., side bridge. *15* feet, mile, above, below gage

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

Flow *steady, fairly smooth*

Cross section *stg, even*

Control *channel*

Gage operating *yes* Weather .....

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

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

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

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

Observer .....

HWM ..... outside, in well

Remarks .....

G.H. of zero flow *0.40* ft. Sheet No. .... of ..... sheets

*depth*

River at—

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			
1358	0.8		0.3	.6	28	20.8					
	1.0		0.3		28	20.8					.85
	1.3		.3		32	20.9					
	1.6		.35		34	21.2					
	1.9		.45		38	20.9					.90
	2.2		.45		38	21.3					.92
	2.5		.40		34	21.3					
	2.8		.40		21	21.1					.94
	3.1		.30		20	21.1					.96
1405	3.4		.35		10	21.1					.97
											.98
											.99
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80