

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey
Water Resources Division
DISCHARGE MEASUREMENT NOTES

Meas. No. 54

Comp. by PRW

Sta. No. House

Checked by JJ

Sta. Name _____

Date 12/04/04 Party JJ/PW/CY

Width 3.7 Area 0.62 Vel. 1.67 G.H. _____ Disch. 1.03

Method 5/6 No. Sec. 13 G.H. Change _____ in _____ hrs. Susp. Rod

Method coef. 1 Hor. angle coef. 1 Susp. coef. 1 Meter No. _____

Type of meter Pygmy Date rated 6/99 Tag checked NA

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	AT	cond outside	WT	Outside
10:49	27.829				0.61
1132	25.51				.63 ± .01
1158	4.51	(6.0	23.5	0.7)	Outside
1202	1.53	6.6	47.1	.27	.66 ± .01
Weighted MGH					
GH correction					
Correct MGH					

No..... Yes..... Time 1100

1.61 Samples Collected

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

1.63 Method Used

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

SEDIMENT SAMPLES

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

Method Used

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

BIOLOGICAL SAMPLES

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

No..... Type.....

Check bar, chain found _____ changed to _____ at _____

Wading cable, ice, boat, upstr., downstr., side bridge 200 feet, mile, above, below, gage.

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

Flow turbulent

Cross section _____

Control ice behind structure.

Gage operating when we left Yes Weather P. Cloudy, Warm, breezy

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

Record removed _____ Extreme Indicator: Max _____ Min _____

N₂ Pressure Tank ~1800psi Feed _____ Bbl rate _____ per min. Batt volt _____

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks sample collected @ 1100, found orifice frozen, worked on it and cleared blockage @ 1158
Batt Volt = 13.7

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

Angle coef- Ficient	Dist from initial point	Width	Depth	Obser- tion Depth	Revo- lutions	Time in seconds	VELOCITY		Adjusted for hor.- angle or -----	Area	Discharge
							At Point	Mean in vertical			
	2.4	.2	0			REW	6	1100			
	3.0	.35	.12	5	80	47		1.67		.042	.070
	3.3	.3	.16	5	80	45		1.74		.048	.084
	3.6	.3	.15	5	60	44		1.34		.045	.060
	3.9	.3	.12	5	60	45		1.31		.036	.047
	4.2	.3	.15	5	80	50		1.57		.045	.071
	4.5	.3	.24	5	60	53		1.12		.072	.081
	4.8	.3	.24	5	80	52		1.51		.072	.109
	5.1	.3	.28	5	100	66		1.49		.084	.125
	5.4	.3	.3	.6	100	45		2.17		.09	.195
.94	5.7	.3	.2	5	100	44		2.21		.06	.133
.90	6.0	.3	.08	5	100	42		2.32		.024	.056
	6.3	.15	0					1.67		0.62	1.03
0	3.7	3.7		LEW	1120						