

9-275-F
(Apr. 93)

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

Meas. No. _____

Water Resources Division

40
41

Comp. by JPM

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

Checked by _____

Lost Seal Creek @ F3

Date 12-27-99 Party JW, DS

Width 6.40 Area 1.56 Vel. .667 G.H. (1.66) Disch. 1.04

Method .6 No. Sec. 18 G.H. Change -.01 in .47 hrs. Susp. ROD

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

Type of meter PYSMY Date rated _____ Tag checked _____

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

Meas. Plots _____ % diff from _____ rating. Levels obtained _____

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	AT	WT	WT	Outside
1614	1.65	2.83	3.53	13.7	.70
1642	1.64	3.14	3.85	13.7	.69

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

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

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

Weighted MGH _____
 GH correction _____
 Correct MGH _____

Check bar, chain found _____ changed to _____ at _____

Wading cable, ice, boat, upstr. downstr., side bridge 100 feet, mile, above, below gage.

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

Flow uniform

Cross section sand & gravel, some cobble

Control clear, no ice or sediment

Gage operating yes Weather cool cloudy, calm

Intake/Orifice cleaned no Air 3.4 °C@ 1650 Water 4.1 °C@ 1655

Record removed no Extreme Indicator: Max _____ Min _____

N₂ Pressure Tank 1550 Feed 11 Bbl rate 62 per min. Batt volt _____

CSG checked NA Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks SC = 55 ws/cm @ 1649

G.H. of zero flow _____ ft.

Sheet No. (of) sheets

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			
	3.0	.50	0	LEW@		16:18		0		0	0
	4.0	.65	.15	.6	20	45		.458		.098	.045
	4.3	.30	.20		20	40		.511		.060	.031
	4.6	.30	.28		40	49		.815		.084	.068
	4.9	.30	.30		40	44		.904		.090	.081
	5.2	.30	.32		40	42		.946		.096	.091
	5.5	.30	.31		40	40		.992		.093	.092
	5.8	.30	.33		40	46		.866		.099	.086
	6.1	.30	.35		40	46		.866		.105	.091
	6.4	.30	.37		40	42		.946		.111	.105
	6.7	.30	.40		40	44		.904		.120	.108
	7.0	.30	.40		30	51		.596		.120	.072
	7.3	.30	.32		20	45		.458		.096	.044
0	7.6	.30	.33		15	46		.344		.099	.034
	7.9	.30	.32		15	43		.366		.096	.035
	8.2	.30	.25		15	48		.331		.075	.025
	8.5	.60	.2		10	42		.260		.120	.031
	9.4	.45	0		REW	@ 16:38		0		0	0
	6.40	6.40						v		1.56	1.04