

9-275-F
(Apr. 93)

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Meas. No. 46

Comp. by JM

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES

Checked by _____

Lawson Creek @ B3

Date 12/31, 1999 Party MG, JM, EC

Width 1.75 Area .268 Vel. .888 G.H. _____ Disch. 238

Method .6 No. secs. 6 G.H. change -.01 in 17 hrs. Susp. Rd

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

Type of meter pygmy 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	OG	Outside
<u>1250</u>	<u>6.18</u>	<u>6.35</u>	<u>TD = 1.44</u>
<u>1300</u>	<u>6.19</u>	<u>6.36</u>	<u>TD = 1.43</u>

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 M.G.H. _____
 G.H. correction _____
 Correct M.G.H. _____

Check bar. chain found NA changed to _____ at _____
Wading cable, ice, boat, upstr. downstr. side bridge 50 feet mile, above, below gage.
 Measurement rated excellent(2%), good (5%), fair (8%), poor (over 8%); based on the following cond.

Flow uniform

Cross section gravel & cobble

Control clear

Gage operating yes Weather _____

Intake/Orifice cleaned no Air _____ °C@ _____ Water _____ °C@ _____

Record removed no Extreme Indicator: Max. _____ Min. _____

Manometer N₂ Pressure Tank 1200 Feed 10 Bbl rate _____ per min.

CSG checked NA Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks Volts = 13.6
WTm = 1.5 °C
Sc = 64 ps

$$6.801 + (2.05 \times 10^{-2} \text{ ft/day}) (30 \text{ days}) - 1.44 \text{ ft} = 5.978 \text{ ft}$$

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			
	0.45	0.125	0		REW @		1254			0	0
	0.70	0.275	0.23	.6	20	42		0.498		.063	.031
	1.00	0.30	0.23		60	45		1.31		.069	.090
	1.30	0.30	0.20		40	48		0.832		.060	.050
	1.60	0.45	0.17		40	45		0.885		.076	.067
	1.90		0.10	∨							
	2.20	0.30	0		LEW @		1300			0	0
	/	/						/		/	/
	1.75	1.75						.888		.268	.238

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