

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No.

Comp. by. C.H.W.

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

JD9 F9 Green Creek
Date Jan 9 10 2009 Party C.H. Wilson, P.R. Wright
Width 31.4 Area 6.236 Vel. 1.506 G.H. Disch. 9.389
Method No. secs. G.H. change. in hrs. Susp. Red
Method coef. Hor. angle coef. Susp. coef. Meter No. 105076
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					WATER QUALITY MEASUREMENTS	
Time	Inside	ADR	Graphic	Outside	No. Yes. ☒	Time
1318	4.478			34 ^{±.02}	Samples Collected <u>Temp</u>	
1320	<u>Rejcd</u>	<u>line</u>			No. Yes. ☒	Time <u>1442</u>
1438	4.418			34 ^{±.02}	Method Used	
					EDI	EWI Other.
					SEDIMENT SAMPLES	
					No. ☒ Yes.	Time
					Method Used	
					EDI	EWI Other.
					BIOLOGICAL SAMPLES	
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. 20 feet, mile, above below gage.

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

Flow. fairly turbulent

Cross section Gravel, cobble

Control. Naturally built Control. Clear, looks good

Gage operating Yes Weather Cloudy, warm, lt. breeze

Intake/Orifice cleaned Yes Air °C@ Water 11.0 °C@ 1445

Record removed No Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank 980 Feed 13 Bbl rate 4.6 per min.

CSG checked NA Stick reading NA

Observer

HWM outside, in well

Remarks Time looks good! Right on watch time, Year & Julian Day OK!

Water temp on CR10 = 5.41°C, SC = 37.16, 13.9 Volts

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

Rebar 4,600 - .34 = 4.26

River at—													
Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hour angle or	Area	Discharge		
							At point	Mean in vertical					
	8.0	.6	REN 5	9	1340								
	9.2	1.2	.2	5	80	41		1.954		.240	.469		
	10.4	1.2	.18		40	48		.859		.216	.186		
	11.6	1.2	.10		15	54		.309		.12	.037		
	12.8	1.2	.12		40	40		1.024		.144	.147		
	14.0	1.2	.10		80	50		1.114		.12	.194		
	15.2	1.2	.15		150	58		2.569		.18	.462		
	16.4	1.2	.12		50	44		1.159		.144	.167		
	17.6	1.2	.14		100	44		2.265		.168	.380		
	18.8	1.2	.15		100	42		2.370		.180	.427		
	20.0	1.2	.12		150	45		3.293		.144	.474		
	21.2	1.0	.15		80	44		1.825		.15	.274		
	22.0	.8	.20		60	45		1.354		.16	.097		
	22.8	.8	.25		100	42		2.37		.20	.474		
	23.6	.7	.35		150	48		3.091		.245	.757		
	24.2	.6	.38		150	46		3.222		.228	.735		
	24.8	.6	.20		80	45		1.786		.120	.214		
	25.4	.6	.32		150	45		3.293		.142	.632		
	26.0	.6	.30		150	51		2.913		.180	.524		
	26.6	.6	.34		80	47		1.712		.234	.401		
	27.2	.6	.30		100	44		2.265		.180	.408		
	27.8	.6	.03		150	54		2.754		.180	.496		
	28.4	.6	.25		30	43		.725		.150	.109		
	29.0	.6	.2		50	40		.826		.120	.099		
	29.6	.6	.25		200	51		3.863		.150	.579		
	30.2	.6	.20		150	42		3.523		.120	.423		
	30.8	.6	.30		150	43		3.443		.150	.620		
	31.4	.6	.20		150	45		3.293		.120	.395		
	32.0	.7	.30		150	52		2.858		.21	.600		
	32.8	.9	.10		40	49		.842		.09	.076		
	33.8	1.85	.10		25	42		.623		.175	.115		
	36.5	2.8	.10		80	45		1.796		.280	.500		

