

**U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES**

Meas. No. 50

Sta. No. _____ Green Creek

Comp. by _____

Checked by CHW

Date 1/17/07, 1907 Party ESG

Width 2.1 Area 285 Vel. 481 G. H. _____ Disch .137

Method _____ No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____

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. OK after OK

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

GAGE READINGS				WATER QUALITY MEASUREMENTS		
Time	Inside		Outside	No	Yes	Time
1510	3.918		0.815*	SC=24.9	<input checked="" type="checkbox"/>	1510
		3.745		WT=4.6	<input checked="" type="checkbox"/>	Time _____
1525	3.918		0.815*	Samples Collected		PH=7.67
				Method Used		
				EDI _____	EWI _____	Other _____
1535	3.918		0.815*	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 _____ feet, mile, above, below gage.

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

Flow uniform, laminar

Cross section @ control

Control ✓

Gage operating yes Weather cloudy, low visibility

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

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

Nitrogen Pressure Tank 1600 Feed 12 Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks * tape down

*6 @ 1510 1) 3.918 st 2) 4.82 wt 3) 28.4 SC 4) 13.9

River at-

ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VERTICAL			
	1.3	REW	@		1525						
	1.6	.3	.18		10	48	.231			.054	.012
	1.9	.3	.16		20	48	.431			.054	.023
	2.2	.3	.18		25	46	.553			.054	.030
	2.5	.3	.13		30	43	.701			.039	.027
	2.8	.3	.13		25	40	.631			.039	.025
	3.1	.3	.15		20	47	.440			.045	.020
	3.4	LEW	@		1535						
							.481			.285	.137
	2.1										
⊙											