

61

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

Meas. No. _____
 Sta. No. _____ Priscu Stream B1 Comp. by _____
 Date 1/4/07, 19____ Party PAL, ESG Checked by CHW
 Width 10.2 Area 2.42 Vel. 1.73 G. H. _____ Disch 4.18
 Method _____ No. secs. _____ G. H. change 1.57 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
<u>1250</u>	<u>2.35</u>		<u>1.10</u>	<u>WT=5.8</u>	<input checked="" type="checkbox"/>	<u>1245</u>
<u>1300</u>	<u>2.34</u>		<u>1.09</u>		<input checked="" type="checkbox"/>	<u>1245</u>
<u>1345</u>	<u>2.32</u>		<u>1.06</u>			
				ED I _____	EW I _____	Other _____
				SEDIMENT SAMPLES		
				No _____	Yes _____	Time _____
				Method Used _____		
				ED I _____	EW I _____	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 75 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 sandy
 Control clear, flow through overflow weir too
 Gage operating yes Weather downvalley wind
 Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____
 Record removed _____ Extreme Indicator: Max. _____ Min. _____
 Nitrogen Pressure Tank 1700 Feed 9+ Bbl rate _____ per min.
 CSG checked _____ Stick reading _____
 Observer _____
 HWM _____ outside, in well _____
 Remarks 1) 6 @ 1250 2) 2.36 3) 8.19 4) 14.0

River at -

ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA-TION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUST-ED FOR HOR. ANGLE OR	AREA	DISCHARGE .80
							AT POINT	MEAN IN VER-TICAL			
	7.0	LEW	@		13	05					
	8.0	1.0	0.05		25	47	.542			.08	.043 .85
	9.0	.75	.35		70	42	1.63			.263	.429
	9.5	.5	.42		70	41	1.67			.21	.351
	10.0	.5	.4		90	43	1.82			.2	.364 .90
1315	10.5	.5	.4		100	46	2.12			.2	.424 .92
	11.0	.5	.45		80	45	1.74			.225	.392 .94
	11.5	.5	.4		100	46	2.12			.2	.424 .96
	12.0	.5	.35		150	53	2.75			.175	.481 .97
	12.5	.5	.35		150	52	2.8			.175	.49 .98
	13.0	.5	.3		100	49	1.99			.15	.299 .99
	13.5	.5	.25		80	50	1.57			.125	.196 .99
	14.0	.5	.2		40	40	.992			.1	.099
	14.5	.75	.18		20	40	.511			.135	.069
⊙	15.5	1.0	.11		30	40	.752			.11	.083 1.00
	16.5	.85	.08		20	40	.511			.068	.035
	17.2	REN	@		13	40					
							1.73			242	4.18 .99
	10.2						↓				
							1.57 <i>ch</i>				

* Wading rod & meter acting up - may not be an accurate @ meas.