

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

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Sta. No. _____ Priscu Stream Meas. No. _____
 Date 1/19/07, 1907 Party ESG, LFS Comp. by _____
 Width _____ Area _____ Vel. _____ G. H. _____ Disch _____
 Method flume No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____
 Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____
 Type of meter _____ 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	Outside
1430	1639	0.37 4.55 cfs

No Yes Time 1230
 WT = 3.7
 SL = 149.8
 Samples Collected ptl = 7.56
 No Yes Time 1230
 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 _____ 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
 Cross section sandy
 Control poor condition - see reverse
 Gage operating yes Weather overcast
 Intake/Orifice cleaned no Air 5.9 °C@ _____ Water _____ °C@ _____
 Record removed no Extreme Indicator: Max. _____ Min. _____
 Nitrogen Pressure Tank 1600 Feed 10 Bbl rate 36 per min.
 CSG checked _____ Stick reading _____
 Observer _____
 HWM _____ outside, in well _____
 Remarks tried to switch SM, but SM battery low. Replaced old SM. ran levels

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
							AT POINT	MEAN IN VER-TICAL			

cutthroat flume @ 1430 = 0.37

ctw

→ .580 cfs

Important things to fix in 07-08.

- 1) Flume is very unlevel - need to re-level + survey
- 2) control and overflow weir are in poor shape - need to re-build esp. on LS of flume
- 3) orifice line needs attention - temp orifice was in place all of 06-07 and we spliced it back to perm. orifice but it is still frozen and should be dug out

#6 @ 1215 (old SM)

- 1) 1.692 SF
- 2) 5.89 AT
- 3) 13.49 BV
- 4) 2.779 wt. found outside of water

Also temp. orifice is buried in sand - there appears to have been a large flow event to change character/control point.

Form 9-276
(July 1967)

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STATION NUMBER

LEVEL NOTES

STREAM Priscy Stream

LOCALITY _____

PARTY EGG & LFTA

DATE 11/9/07, 19__

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
(X) RM1	8.392	17.062		8.67	given
RM2			.982	16.080	
TP1	0.624	10.840	6.846	10.216	
US right flume			7.328	3.512	
DS left flume			8.100	2.740	
top of office			9.439	1.401	
US bottom of flume			9.349	1.491	PZF
top of staff			7.436	3.404	hold 2.00ft
temporary office			9.588	1.252	Note: shifted during season
TP2	5.252	10.762	5.330	5.510	
top of staff			7.359	3.403	hold 2.00ft
temporary office			9.477	1.285	shifted during measurement
top of office			9.359	1.403	
US bottom of flume			9.268	1.494	PZF
DS left flume			7.997	2.765	
USR flume			7.251	3.511	
TP3	6.547	16.759	.550	10.212	same rock as TP1
RM2			.682	16.077	
RM1			8.091	8.668	
Note: windy today					
					level No# 116203

NO. _____ OF _____ SHEETS _____ COMP. BY _____ CHK. BY _____