

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

Meas. No. 7

Comp. by \_\_\_\_\_

Checked by \_\_\_\_\_

Sta. No. \_\_\_\_\_

Sta. Name BI-Priscu

Julian Day  
346

Date Dec 12, 2002 Party JDB, KDC

Width \_\_\_\_\_ Area \_\_\_\_\_ Vel. \_\_\_\_\_ G.H. \_\_\_\_\_ Disch. \_\_\_\_\_

Method \_\_\_\_\_ No. secs. \_\_\_\_\_ G.H. change \_\_\_\_\_ in \_\_\_\_\_ hrs.

Method coef. \_\_\_\_\_ Horiz. angle coef. \_\_\_\_\_ Susp. \_\_\_\_\_ Tags checked \_\_\_\_\_

Meter Type \_\_\_\_\_ Meter No. \_\_\_\_\_ Meter \_\_\_\_\_ ft. above bottom of wt.

Rating used \_\_\_\_\_ Spin test before meas. \_\_\_\_\_, after \_\_\_\_\_

Meas. plots \_\_\_\_\_ % diff. from rating no. \_\_\_\_\_ Indicated shift \_\_\_\_\_

GAGE READINGS (ft)					
Time				Inside	Outside
				0.0	
				0.07	
14:26				19.520	
15:03	Start			1.10	0.10
15:42				1.42	0.42
	Finish				
Weighted MGH					
GH correction					
Correct MGH					

Samples collected: water quality,  
sediment, biological, other \_\_\_\_\_

Measurements documented on  
separate sheets: water quality,  
aux./base gage, other \_\_\_\_\_

Rain gage serviced/calibrated \_\_\_\_\_

Weather: \_\_\_\_\_

Air Temp. 32 °F at \_\_\_\_\_

Water Temp. 40 °F at \_\_\_\_\_

Check bar/chain found \_\_\_\_\_

Changed to \_\_\_\_\_ at \_\_\_\_\_

Correct \_\_\_\_\_

Wading, cable, ice, boat, upstr., downstr., side bridge, \_\_\_\_\_ ft., mi. upstr., downstr. of gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following

conditions: Flow: \_\_\_\_\_

Cross section: \_\_\_\_\_

Gage operating: \_\_\_\_\_ Record Removed \_\_\_\_\_

Battery voltage: 14.608 Intake/Orifice cleaned/purged: \_\_\_\_\_

Bubble-gage pressure, psi: Tank 1400, Line 13; Bubble-rate \_\_\_\_\_ /min.

Extreme-GH indicators: max \_\_\_\_\_, min \_\_\_\_\_

CSG checked: \_\_\_\_\_ HWM height on stick \_\_\_\_\_ Ref. elev. \_\_\_\_\_ HWM elev. \_\_\_\_\_

HWM inside/outside: \_\_\_\_\_

Control: \_\_\_\_\_

Remarks: WT not working; last time 1950 pressure so leak?; ice in flume

GH of zero flow = GH \_\_\_\_\_ - depth at control \_\_\_\_\_ = \_\_\_\_\_ ft., rated \_\_\_\_\_

Sheet No. \_\_\_\_\_ of \_\_\_\_\_ sheets

Old New  
Year 2002 → ✓  
Julian Day 347 → 346  
Time 14:26 → ✓

Canoflow not bubbling until after 14:30



Station	B.S.	HT INST	F.S	Elev	Remarks
RMT	4.95			8.67	bolt 70' upstream
RM2	0.02				bolt 100' upstream
FLUME	12.36			3.81	US (N) Top R
Flume	14.85 <del>14.87</del>			1.32	US Bottom
orifice	14.91 <del>14.91</del>			1.26	
flume	13.32 <del>13.30</del>			2.85	DS top left (South)
flume	15.56 <del>15.01</del>			0.61	DS Bottom
RM2	7.50	16.17		8.67	bolt 70' upstream
RM1	0.02				bolt 100' upstream

- ice in flume  
 - water temp w/ thermometer 40°F  
 - stage level in flume  $\pm 0.01$

but water was flowing in thin sheet  
 water lower than orifice

@ ~ 1455

@ ~ 1458 water was flowing much higher  
 @ 1503 stage level 0.10

water samples taken after increase in flow

air temp = 32°F

stage level .014 @ 15 22

stage level 1.42 @ 15 42