

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No.
Comp. by.

WATER RESOURCES DIVISION

Sta. No. F6 Van G DISCHARGE MEASUREMENT NOTES Checked by

Date 1/16/09, 19... Party CHW PRW JLL
Width Area Vel. G. H. Disch.
Method No. secs. G. H. change. in hrs. Susp.
Method coef. Hor. angle coef. Susp. coef. Meter No.
Type of meter Cutthroat 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. <u>X</u> ...	Time
<u>16.44</u>		<u>1.014</u>		<u>10.2</u>	<u>2.16 ± .01</u>	Samples Collected	
<u>1650</u>	<u>Cutthroat</u>	<u>1.0</u>				No. Yes. <u>X</u> ...	Time <u>1645</u>
						Method Used	
						EDI	EWI Other.
						SEDIMENT SAMPLES	
						No. Yes.	Time
						Method Used	
						EDI	EWI Other.
Weighted M.G.H.						BIOLOGICAL SAMPLES	
G. H. correction						Yes.	Time
Correct M.G.H.						No.	Type

Check bar. chain found changed to at
Wading, cable, ice, boat, upstr., downstr., side bridge 25 fee, mile, above, below gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow low flow
Cross section gavel
Control "natural control" free + clear
Gage operating Yes Weather Cloudy
Intake/Orifice cleaned No Air °C@ Water 5.0 °C@ 17.16
Record removed No Extreme Indicator: Max. Min. 5.0
Manometer N₂ Pressure Tank 1500 Feed 14 Bbl rate 60 per min.
CSG checked Stick reading
Observer
HWM 16.017 3042.74 50 outside, in well
Remarks 1) 16.44 2) 1.014 3) 1.189 4) 1.59 5) 2.04 6) 1.3 7) BV
Orifice very slanted and completely out of water.
G.H. of zero flow ft. Sheet No. of sheets
hence the 1.014 reading more on back

River at—												
Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge	
							At point	Mean in ver- tical				
												.80
												.85
												.90
												.92
												.94
												.96
												.97
												.98
												.99
												1.00
												.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

Rebar to Orifice = 1.925

looks like a rock was placed on orifice and
stepped on when people were walking to
met station. Caused orifice to be moved
and now above water

Sc probe slightly above water ;
Chart placed in water @ 1703

⊙

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

Sheet No. 1 of 1

Form 9-275
(July 1957)

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

STATION NUMBER

LEVEL NOTES

STREAM EG VamB.

LOCALITY Fryxell Basin

PARTY CHW K PRW

DATE 1/16/2009, 19

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
BM3	2.024	8.252		6.228	Given = 6.228
BM4			2.040	6.212	red rock = 6.167
RPI			5.429	2.823	rebar = 2.130
PZE			7.681	.571	
Orifice			7.355	.897	given = 1.622
IP	6.229	8.156	6.325	1.927	
Orifice			7.257	.899	
PZE			7.571	.585	
RPI			5.331	2.825	
BM4			1.940	6.216	
BM3			1.922	6.234	
VS			7.585	.667	

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