

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

Meas. No. _____
Sta. No. F7 Harnish Creek Comp. by CHW
Checked by _____
Date 12/19/2008, 19 Party CHW SLD
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 _____ 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	No	Yes	Time
No Flow				Samples Collected		
<u>AG@1528</u>	<u>switched</u>		<u>AG@1529</u>	No	Yes	Time
<u>15.54</u>	<u>5.54</u>		<u>11.10</u>	Method Used		
<u>24.14</u>	<u>AT</u>		<u>25.85</u>	EDI	EWI	Other
<u>37.69</u>	<u>5c</u>		<u>37.66</u>	SEDIMENT SAMPLES		
<u>913.7</u>	<u>3V</u>		<u>914.2</u>	No	Yes	Time
			<u>914.2</u>	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 _____ feet, mile, above, below gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow No Flow
Cross section _____
Control _____
Gage operating yes Weather Partly Cloudy
Intake/Orifice cleaned _____ Air 4.9 °C @ 15 14 Water _____ °C @ _____
Record removed No Extreme Indicator: Max. _____ Min. _____
Nitrogen Pressure Tank 1700 Feed 12 Bbl rate 60 per min.
CSG checked _____ Stick reading _____
Observer _____
HWM _____ outside, in well _____
Remarks Some snow in channel above gage
Installing Temp^{probe} program; Changing CR10x to FC CR10x
G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

.0 F7 HARNISH River at- 12/10/2008 .75											
ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUST-ED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VER-TICAL			
											.85
											.90
											.92
											.94
											.96
											.97
											.98
											.99
											1.00
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80
											.75

Change offset to ~~4.44~~ 4.44
 + Changed offset to 5.45

#6 1) 4.53 Stg
 2) 6.72 WT
 3) -6.8 SC
 4) 9.98 AT
 5) 13.5 BV

#6 1) 5.54 Stg
 2) 6.08 WT
 3) -6.7 SC
 4) 9.1 AT
 5) 3.7

+ Program + that is now running