

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

Meas. No. _____
Comp. by AS
Checked by _____

Sta. No. F4
Sta. Name Harnish Creek
Date 8 Jan, 20 14 Party AS, SWC
Width _____ Area _____ Vel. _____ G. H. _____ Disch. 0.317
Method Flowtracher 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				
Time			Inside	Outside
	<u>12:30</u>	<u>stage</u>	<u>5.66</u>	<u>1.41</u>
Start		<u>H₂O temp</u>	<u>10.15°</u>	<u>10.4°</u>
		<u>conduct</u>	<u>113.13</u>	<u>159.2 μs</u>
		<u>Air temp</u>	<u>14.83°</u>	
		<u>Flowtracher measurement</u>		
		<u>finished @ 12:55</u>	<u>± 0.3 cfs</u>	
Finish		<u>stage</u>	<u>5.65</u>	<u>1.41</u>
Weighted MGH				
GH correction				
Correct MGH				

Samples collected: water quality, sediment, biological, other
12:25
Measurements documented on separate sheets: water quality, aux./base gage, other _____
Rain gage serviced/calibrated _____
Weather: SUNNY, warm
Air Temp. _____ °C at _____
Water Temp: _____ °C 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: very low, but too much for Baski
Cross section: Q: F78JAN

Gage operating: _____ Record Removed _____
Battery voltage: _____ Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank 7, Line _____; Bubble-rate _____ /min.
Extreme-GH indicators: max _____, min _____
SG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
W inside/outside: _____
Control: _____

Remarks: N₂ tank at 1500 pH 7.54
of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____
U.S. GOVERNMENT PRINTING OFFICE: 2007-657-026 Sheet No. _____ of _____ sheets