

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

Meas. No. \_\_\_\_\_  
Comp. by ADV  
Checked by \_\_\_\_\_

Sta. No. \_\_\_\_\_  
Sta. Name Onyx River @ Lower Wright  
Date Jan 13, 2010 Party BA Monday, G+B, J, Z, Z, Z, Z / MS Becker  
Width 14.5 Area 6.691 Vel. mean .827 G. H. \_\_\_\_\_ Disch. 5.536 CFS  
Method 16 No. secs. 22 G. H. change 0 in 5 hrs.  
Method coef. 1.0 Horiz. angle coef. Variable Susp. Rod Tags checked \_\_\_\_\_  
Meter Type ADV Meter No. \_\_\_\_\_ Meter \_\_\_\_\_ ft. above bottom of wt.  
Rating used 1 Spin test before meas. \_\_\_\_\_; after \_\_\_\_\_  
Meas. plots \_\_\_\_\_ % diff. from rating no. \_\_\_\_\_ Indicated shift \_\_\_\_\_

GAGE READINGS						
Time					Subson	
	AT	SC	WT	Stage	Inside	Outside
<u>1320</u>	<u>1.41</u>	<u>20.5</u>	<u>3.90</u>	<u>1.12</u>	<u>1.12</u>	<u>1.13</u>
<u>1330</u>	Start					
<u>1400</u>	Finish				<u>1.116</u>	<u>1.13</u>
Weighted MGH						
GH correction						
Correct MGH						

Samples collected: water quality,  
sediment, biological, other T=1930  
SC=32.9, WT=3.6  
Measurements documented on 9x  
separate sheets: water quality,  
aux./base gage, other \_\_\_\_\_  
Rain gage serviced/calibrated \_\_\_\_\_  
Weather: cool/breezy/PC  
Air Temp. 0 °C at 1330  
Water Temp: 3.6 °C at 1330  
Check bar/chain found \_\_\_\_\_  
Changed to \_\_\_\_\_ at \_\_\_\_\_  
Correct \_\_\_\_\_

Wading cable, ice, boat, upstr., downstr., side bridge, 30 (ft., mi. upstr., Control downstr.) of gage.  
Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: \_\_\_\_\_  
Cross section: \_\_\_\_\_

Gage operating: OK Record Removed No  
Battery voltage: 12.9 Intake/Orifice cleaned/purged: \_\_\_\_\_  
Bubble-gage pressure, psi: Tank 1400, Line 14; Bubble-rate 48 /min.  
Extreme-GH indicators: max \_\_\_\_\_, min \_\_\_\_\_  
CSG checked: \_\_\_\_\_ HWM height on stick \_\_\_\_\_ Ref. elev. \_\_\_\_\_ HWM elev. \_\_\_\_\_  
HWM inside/outside: \_\_\_\_\_  
Control: clear

Remarks: pH = 7.433 (M lab)

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