

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

Horse Stream (HOR) JD = 363
Date 29 Dec 08 Party AR B
Width 7.500 Area 2.166 Vel. 1.304 G. H. Disch. 2.824 cfs
Method 0.6 No. secs 22 G. H. change. in hrs. Susp. rod
Method coef. 1 Hor. angle coef. calcd Susp. coef. 1 Meter No.
Type of meter Flow Tracker Date rated Nov '08 Tag checked ✓
Meter ft. above bottom of wt. Spin before meas. ✓ after ✓
Meas. plots. % diff. from. rating. Levels obtained. NO

GAGE READINGS					WATER QUALITY MEASUREMENTS	
Time		Inside	ADR	Graphic	Outside	No. Yes. <u>X</u> Time <u>1600</u>
<u>1456</u>		<u>1.8357</u>			<u>0.82</u>	Samples Collected
<u>1557</u>		<u>1.8716</u>			<u>0.78</u>	No. Yes. <u>X</u> Time <u>1600</u>
						Method Used
						EDI EWI Other. <u>DIP</u>
SEDIMENT SAMPLES						No. <u>X</u> Yes. Time
						Method Used
						EDI EWI Other.
BIOLOGICAL SAMPLES						Yes. Time
						No. <u>X</u> Type
Weighted M.G.H.						
G. H. correction						
Correct M.G.H.						

Check bar, chain found changed to at
Wading, cable, ice boat, upstr., downstr., side bridge. 40 feet, mile, above, below gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow high uniform mostly 2 currents ran together
Cross section cobble rocky pebbles
Control free & clear
Gage operating Yes Weather clear and bright
Intake/Orifice cleaned Air °C@ Water 1.4 °C@ 1500
Record removed Extreme Indicator: Max. Min.
Manometer N₂ Pressure Tank 1600 Feed 12 Bbl rate 60 per min.
CSG checked Stick reading
Observer
HWM outside, in well
Remarks @ time = 1456 stage = 1.8357 AT = 8.6941
WT = 1.6586 SC = 107.66 bv = 14.087 volts
SC in stream = 63.4 @ temp = 1.4°C time = 1500
G.H. of zero flow ft. Sheet No. of sheets