

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

Meas. No. 75

Sta. No. C1 - Commonwealth Stream

Comp. by \_\_\_\_\_

Date Nov 20, 19 2009 Party MSB/BAM/SLD

Checked by \_\_\_\_\_

Width \_\_\_\_\_ Area \_\_\_\_\_ Vel. \_\_\_\_\_ G. H. \_\_\_\_\_ Disch. 1.005 Est

Method Est. 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 <input checked="" type="checkbox"/>	Time <u>0950</u>
<u>0949</u>	<u>Frozen</u>		<u>Type Dm = 1.89</u>	<u>9.133</u>	Samples Collected	<u>WT = 0.5°C</u>
				No	Yes <input checked="" type="checkbox"/>	Time <u>0950</u>
					Method Used	
				EDI	EWI	Other <u>Dip</u>
					<b>SEDIMENT SAMPLES</b>	
				No <input checked="" type="checkbox"/>	Yes	Time
					Method Used	
				EDI	EWI	Other
					<b>BIOLOGICAL SAMPLES</b>	
Weighted M.G.H.				Yes	Time	
G.H. correction				No <input checked="" type="checkbox"/>	Type	
Correct M.G.H.						

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 - back water from ice

Cross section \_\_\_\_\_

Control 100% ice cover

Gage operating Screen orifice Weather windy / sunny / cold / +ch

Intake/Orifice cleaned No Air \_\_\_\_\_ °C@ \_\_\_\_\_ Water \_\_\_\_\_ °C@ \_\_\_\_\_

Record removed Yes Extreme Indicator: Max. \_\_\_\_\_ Min. \_\_\_\_\_

Nitrogen Pressure Tank 0 → 1750 Feed 0 → 19 Bbl rate \_\_\_\_\_ per min.

CSG checked \_\_\_\_\_ Stick reading \_\_\_\_\_

Observer \_\_\_\_\_

HWM \_\_\_\_\_ outside, in well \_\_\_\_\_

Remarks No extra N<sub>2</sub> tank pH on 12/9/09 = 7.02

Suspended N<sub>2</sub> + SAM

SC on 12/9/09 @ 20:44 = 26.2 μS; T = 7.2°C

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