

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

Meas. No. 66

Sta. No. \_\_\_\_\_

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

Lost Seal Stream

Checked by CHW

Date 12/13/06, 19 \_\_\_\_\_ Party ESG, LFS

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	Out*	Outside
<u>1620</u>	<u>2.275</u>	<u>0.058</u>	<u>0.095</u>
<u>1650</u>	<u>2.426</u>		<u>0.10</u>

No \_\_\_\_\_ Yes  Time \_\_\_\_\_  
 Samples Collected PH 7.85  
 No 1.10 Yes  Time 1630  
 Method Used SC-835MS  
 EDI \_\_\_\_\_ EWI \_\_\_\_\_ Other \_\_\_\_\_

**SEDIMENT SAMPLES**

No \_\_\_\_\_ Yes \_\_\_\_\_ Time \_\_\_\_\_  
 Method Used \_\_\_\_\_  
 EDI \_\_\_\_\_ EWI \_\_\_\_\_ Other \_\_\_\_\_

Weighted M.G.H. \_\_\_\_\_  
 G.H. correction \_\_\_\_\_  
 Correct M.G.H. \_\_\_\_\_

**BIOLOGICAL SAMPLES**

Yes \_\_\_\_\_ Time \_\_\_\_\_  
 No \_\_\_\_\_ Type \_\_\_\_\_

Check bar. chain found \_\_\_\_\_ changed to \_\_\_\_\_ at \_\_\_\_\_

cutthroat Wading, cable, ice, boat, upstr., downstr., side bridge 15 feet mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over8%); based on the following cond:

Flow uniform

Cross section small gravel + sand

Control water flowing unimpeded - some ice above surface

Gage operating \_\_\_\_\_ Weather overcast sandy

Intake/Orifice cleaned \_\_\_\_\_ Air 33F @ \_\_\_\_\_ Water 4.8 °C@ \_\_\_\_\_

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

Nitrogen Pressure Tank 700 Feed 12+ Bbl rate \_\_\_\_\_ per min.

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

Observer \_\_\_\_\_

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

Remarks \* cutthroat flume reading

River at-

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
						0.058	@	1625			
											.90
											.92
											.94
											.96
											.97
											.98
											.99
											1.00
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80

\*6 @ 1630

1) 2.302 St.

2) 2.264 AT

3) -17.97 wt

4) 13.9 BV

88) 230.11 SC - not consistent with reading from SC meter