

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

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Sta. No. \_\_\_\_\_ Aiken Creek FS Meas. No. \_\_\_\_\_  
 Date 1/2/07, 19\_\_\_\_ Party ESG, PAC, LFS Comp. by \_\_\_\_\_  
 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 Cutthroat 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	Time
<u>1445</u>	<u>1.010</u>		<u>.095</u>	No	<input checked="" type="checkbox"/>	<u>1455</u>
				WT=11.1 pH=8.67 Samples Collected <u>2-16345 no bot</u> <u>22645 bot</u>		
<u>1505</u>	<u>1.041</u>		<u>0.120</u>	No	<input checked="" type="checkbox"/>	<u>1445</u>
<u>1515</u>	<u>1.093</u>	<u>0.105*</u>	<u>0.110</u>	Method Used _____ EDI _____ EWI _____ Other _____		
				SEDIMENT SAMPLES		
				No	Yes	Time _____
				Method Used _____		
				EDI _____	EWI _____	Other _____
				BIOLOGICAL SAMPLES		
				Yes	<u>by LFS</u>	Time _____
				No		Type <u>AFDM, CHL A</u>

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 \_\_\_\_\_ feet, mile, above, below gage.  
 Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:  
 Flow uniform  
 Cross section sand + gravel  
 Control clear  
 Gage operating yes Weather clear, valley wind  
 Intake/Orifice cleaned \_\_\_\_\_ Air \_\_\_\_\_ °C@ \_\_\_\_\_ Water \_\_\_\_\_ °C@ \_\_\_\_\_  
 Record removed \_\_\_\_\_ Extreme Indicator: Max. \_\_\_\_\_ Min. \_\_\_\_\_  
 Nitrogen Pressure Tank 1800+ Feed 9 Bbl rate \_\_\_\_\_ per min.  
 CSG checked \_\_\_\_\_ Stick reading \_\_\_\_\_  
 Observer \_\_\_\_\_  
 HWM \_\_\_\_\_ outside, in well \_\_\_\_\_  
 Remarks \*cutthroat flume

