

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey
Water Resources Division
DISCHARGE MEASUREMENT NOTES

Meas. No. 41
Comp. by SLH
Checked by _____

Sta. No. FS
Sta. Name Aiken
Date 12/7/05 Party SLH, JCK
Width 22' Area 5.77 Vel. 842 G.H. _____ Disch. 3.714 cfs
Method _____ No. Sec. _____ G.H. Change _____ in _____ hrs. Susp. 47.903
Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. CHW
Type of meter _____ Date rated _____ Tag checked 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	T	SC		Outside	No..... Yes..... <input checked="" type="checkbox"/> Time <u>1614</u>
<u>1614</u>	<u>1505</u>	<u>6.21</u>	<u>129.48</u>			Samples Collected
		<u>5.6</u>	<u>80.2</u>		<u>0.61</u>	No..... Yes..... Time.....
<u>1632</u>					<u>0.60</u>	Method Used
<u>1653</u>					<u>1.60</u>	EDI..... EWI..... Other.....
						SEDIMENT SAMPLES
						No..... <input checked="" type="checkbox"/> Yes..... Time.....
						Method Used
						EDI..... EWI..... Other.....
						BIOLOGICAL SAMPLES
						Yes..... Time.....
						No..... Type.....
Weighted MGH						
GH correction						
Correct MGH						

Check bar, chain found _____ changed to _____ at _____
Wading, cable, ice, boat, upstr., downstr., side bridge 100 feet, mile, above, below, gage.
Measurement rated excellent(2%), good(5%), fair(8%), poor(over 8%); based on following cond:
Flow some cross flow near edges
Cross section silt → gravel, shallow
Control _____
Gage operating _____ Weather cloudy, windy
Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____
Record removed _____ Extreme Indicator: Max _____ Min _____
N₂ Pressure Tank 1900 Feed 10 Bbl rate _____ per min. Batt volt 12.60
CSG checked _____ Stick reading _____
Observer _____
HWM _____ outside, in well _____
Remarks pH = 6.77

