9-275-F
(Apr. 93)

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. .....

Comp. by .....

Sta. No. ..... **~~DISCHARGE MEASUREMENT NOTES~~** Checked by .....

Aiken Creek

Date 12/8/06 19 ..... Party LFS, ESG 15:00

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	____	____	____	Outside	No (circled) Yes ..... Time .....
1500						Samples Collected
						No ..... Yes ..... Time .....
						Method Used
						EDI ..... EWI ..... Other .....
						SEDIMENT SAMPLES
						No ..... Yes ..... Time .....
						Method Used
						EDI ..... EWI ..... Other .....
Weighted M.G.H.						BIOLOGICAL SAMPLES
G.H. correction						Yes ..... Time .....
Correct M.G.H.						No ..... Type .....

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 NO FLOW, a few drops off end of flume

Cross section .....

Control .....

Gage operating ..... Weather .....

Intake/Orifice cleaned ..... Air ..... °C@ ..... Water ..... °C@ .....

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

Manometer N_2 Pressure Tank ..... Feed ..... Bbl rate ..... per min. .....

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks Stream channel full of snow. Some snow is melted at the control (see over-2)

G. H. of zero flow ..... ft.

Sheet No. ..... of ..... sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
							At point	Mean in vertical			

*(6 1) 1.05 Stage
2) 2.6 AT?
3) 117.7 SC
4) 13.8 BV

⊙

.80 .85 .90 .92 .94 .96 .97 .98 .99 1.00 .99 .98 .97 .96 .94 .92 .90 .85 .80

.0 .10 .20 .30 .40 .50 .60 .70 .75