

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

Meas. No. 32
Comp. by Aqua Calc
Checked by _____

Sta. No. _____
Sta. Name Aiken Creek #5
Date Dec 26, 2001 Party CT, LT, JW (Trans. 2)
Width 16.0 Area 4.25 Vel. 1.29 G. H. _____ Disch. 5.48
Method 6 No. secs. 22 G. H. change .03 in 0.5 hrs.
Method coef. 1.0 Horiz. angle coef. 1.0 Susp. ROD Tags checked _____
Meter Type pygmy Meter No. 8009223 Meter _____ ft. above bottom of wt.
Rating used 6/99 Spin test before meas. 1'19"; after O.K.
Meas. plots _____ % diff. from rating no. _____ Indicated shift _____

GAGE READINGS						
Time	WT	WT _m	SC	C _m	Inside	Outside
1438	11.2	11.4	97.0	88.4	1.87	.85
1512					1.90	.90
1446	Start					
1508	Finish					
1512					1.90	.90
Weighted MGH						
GH correction						
Correct MGH						

Samples collected: water quality, sediment, biological, other _____
Measurements documented on separate sheets: water quality, aux./base gage, other _____
Rain gage serviced/calibrated _____
Weather: clear - sunny
Air Temp. _____ °C at _____
Water Temp. _____ °C at _____
Check bar/chain found _____
Changed to _____ at _____
Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, _____ ft., mi. upstr., downstr. of gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: _____
Cross section: _____

Gage operating: _____ Record Removed _____
Battery voltage: 13.7 Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank 1400, Line 10; Bubble-rate _____ /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: _____
SC_m 2 119 5

Remarks: _____

GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____