

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

Meas. No. B4
Comp. by Aquacale
Checked by G
rikan 012602

Sta. No. _____
Sta. Name Aiken @ F-5
Date JAN 20, 2002 Party LT, JW, CJ
Width 14.0 Area 3.30 Vel. 0.33 G. H. _____ Disch. 1.09
Method .6 No. secs. 18 G. H. change _____ in _____ hrs.
Method coef. 1.0 Horiz. angle coef. 1.0 Susp. ROD Tags checked _____
Meter Type Pygmy Meter No. 8009228 Meter _____ ft. above bottom of wt.
Rating used 6/49 Spin test before meas. 1'19"; after O.k.
Meas. plots _____ % diff. from rating no. _____ Indicated shift _____

GAGE READINGS						
Time	SL	S _(in)	w _(in)	WT	Inside	Outside
1823	311.4	2.41	9.2	9.46	1.43	0.42
	Start					
1855	Finish				1.48	0.48
Weighted MGH						
GH correction						
Correct MGH						

Samples collected: water quality,
sediment, biological, other _____
1830
Measurements documented on separate sheets: water quality, aux./base gage, other _____
Rain gage serviced/calibrated _____
Weather: COLD - CLEAR - CALM
Air Temp. _____ °C at _____
Water Temp. _____ °C at _____
Check bar/chain found _____
Changed to _____ at _____
Correct _____

Wading cable, ice, boat, upstr., downstr., side bridge, 50 ft., mi. upstr., downstr. of gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (>8%), based on following conditions: Flow: very shallow - even
Cross section: silt, small gravel
(lots of floating algae)

Gage operating: _____ Record Removed _____
Battery voltage: 13.8 Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank 1100, Line 10; Bubble-rate 65 /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside HWM etc shot w/ level loop (see level notes)
Control: Weir held up to high flow. Small washout @ overflow
flume intact.

Remarks: Surpass LD 66 or F5B for F5A

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

AIKEN CR

JAN 20, 2002

Rm 3	4.622	9.364	4.754	4.742	BOLT 55' U.S. RIGHT
Rm 4	4.626	9.376		4.75	66' D.S. RIGHT
FLUMES: U.S. LEFT	5.940		3.436		
U.S. Bottom	8.435		0.941		
ORIFICE	8.402		.974		
D.S. LEFT	5.869		3.507		
PZ F	8.135		1.241		New PZ F
Top of Pool	6.605		2.771		
RM 4	4.625				