

FSB. in

Form 9-275-G
(July 1994)

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

Sta. No. FS Aiken Cr. Meas. No. _____
Date 12/26, 19 96 Party N. BOOTH Comp. by _____
Width 2.35 Area .945 Vel. .774 G. H. 1.41 Disch 0.73 Checked by _____
Method 0.6 No. secs. 9 G. H. change 0.02 in 0.4 hrs. Susp. _____
Method coef. 0.6 Hor. angle coef. 1.0 Susp. coef. _____ Meter No. _____
Type of meter Pygmy Date rated _____ Tag checked _____
Meter _____ ft. above bottom of wt. Spin before meas. after
Meas. plots _____ % diff. from _____ rating. Levels obtained _____

GAGE READINGS			
Time	Inside		Outside
			Staff gage Water level
<u>1643</u>	<u>1.43</u>	<u>1.42</u>	<u>0.40</u>
<u>1708</u>	<u>1.42</u>	<u>1.40</u>	
Weighted M.G.H.			
G.H. correction			
Correct M.G.H.			

WATER QUALITY MEASUREMENTS		
No _____	Yes _____	Time _____
Samples Collected		
No _____	Yes _____	Time _____
Method Used		
EDI _____	EWI _____	Other _____

SEDIMENT SAMPLES		
No _____	Yes _____	Time _____
Method Used		
EDI _____	EWI _____	Other _____

BIOLOGICAL SAMPLES	
Yes _____	Time _____
No _____	Type _____

Check bar. chain found _____ changed to _____ at _____
Wading cable, ice, boat, upstr., downstr., side bridge 20 feet, mile, above, below gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow stady
Cross section even, gravel/sand abrupt ends
Control clear, overtopping lower PTF weir
Gage operating _____ Weather _____
Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____
Record removed _____ Extreme Indicator: Max. _____ Min. _____
Nitrogen Pressure Tank _____ Feed _____ Bbl rate _____ per min.
CSG checked _____ Stick reading _____
Observer _____
HWM _____ outside, in well
Remarks _____

ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUST-ED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VER-TICAL			
L.O	REW 1650			0.6							
	0.55		0.1		0	40					.85
	0.65										
	0.9		0.3		33	39.4					
	1.2		0.35		36	39.4					.90
	1.5		0.45		33	40.5					.92
	1.8		0.5		32	40.7					.94
	2.1		0.5		32	41.7					.96
	2.4		0.55		31	41.5					.97
	2.7		0.5		28	44.9					.98
	REW 1703										.99
	2.9		0.0		0	40					.99
0											1.00

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-276-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date 12/26, 1996

MISCELLANEOUS FIELD NOTES

AIXEN CR @ F5

ALL CLEAR

@ 1600

	CR10	FIELD
STAGE	1.42	1.41
WT	10.9	10.3
SC	242	207
PH		8.5

cleaned SC probe

@ 16:10

STAGE	CR10 1.43
WT	10.5
SC	241

Discharge meas.