

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

Sta. No. FS-Aiken

Meas. No. _____

Comp. by _____

Checked by _____

Date 12-20-07, 19____ Party AMS LFS

Width _____ Area _____ Vel. _____ G. H. _____ Disch 1.671

Method .6 No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____

Method coef. _____ Hor. angle coef. _____ 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

WATER QUALITY MEASUREMENTS

Time	Inside	Outside
<u>1530</u>	<u>1.973</u>	<u>0.62</u>
<u>1608</u>	<u>1.571</u>	<u>0.21</u>
Weighted M.G.H.		
G.H. correction		
Correct M.G.H.		

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 90 feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%) fair (8%), poor (over 8%); based on the following cond:

Flow laminar

Cross section sandy

Control clear, flow over weir

Gage operating yes Weather sunny, slt breeze

Intake/Orifice cleaned No Air 12.5 °C@ 1530 Water _____ °C@ _____

Record removed No Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 1150 Feed 10 Bbl rate 21 per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks #6 @ 1530 2) 12.5 AT?

3) 131.79 SC

4) 13.6 BV

G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR -----	AREA	DISCHARGE
							AT POINT	MEAN IN VER- TICAL			
LEW 2	9.1										
1545	9.5	.5	.27		15	49		.325		.135	.0439
	10.1	.6	.3		25	47		.542		.18	.0976
	10.7	.6	.3		30	45		.671		.18	.1208
	11.3	.6	.32		30	48		.631		.192	.1212
	11.9	.6	.38		30	42		.717		.228	.1635
	12.5	.55	.4		40	43		.925		.22	.2035
	13.0	.55	.4		40	51		.784		.22	.1725
	13.6	.6	.4		30	45		.671		.24	.1610
	14.2	.6	.4		20	45		.458		.24	.1100
	14.8	.6	.4		10	48		.231		.24	.0554
	15.4	.6	.35		5	49		.129		.21	.0271
0	16.0	.6	.32		5	48		.131		.192	.0252
	16.6	.6	.28		20	43		.478		.168	.0803
	17.2	.6	.3		25	45		.565		.18	.1017
	17.8	.6	.3		20	52		.401		.18	.0722
	18.4	.6	.3		10	46		.240		.18	.0432
	19.0	.6	.3		15	51		.314		.18	.0565
	19.6	.55	.27		4	51		.106		.148	.0157
	20.1										1.671
REW	20.1608										