

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date 12.28, 1995

MISCELLANEOUS FIELD NOTES

AIKEN CR. (a) FS JS & AL

(a) 18:40 NO₂ & TIME OK

CR10

FIELD

STAGE	1.62	1.61
WT	10.25	9.4
SC	195.02	170.2
pH	—	8.0
VOLTS	14.29	—

WATER CHEM SAMPLES COLLECTED
PYGMY MEASUREMENT MADE

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

AIKEN CR. @ FS
Date *12-28*, 19 *95* Party *AL+JS*
Width *12.30* Area *2.38* Vel. *0.76* G.H. *1.61* Disch. *1.82*
Method No. secs. *21* G.H. change. in hrs. Susp.
Method coef. *0.6* 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

Time	Inside	ADR	Graphic	Outside
<i>1.852</i>				<i>1.61</i>
<i>1.924</i>				<i>1.61</i>
<i>1.908</i>				
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 *200* feet, mile, *above*, below gage.

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

Flow. *smooth, steady*

Cross section *shallow*

Control

Gage operating Weather

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

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank Feed Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks

G.H. of zero flow *0.2* ft. Sheet No. *1* of *1* sheets

W B I R

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
LEW 1955	2.3		0		0	40					
	4.0		.20		30	42.0					.85
	4.5		.20		31	41.9					
	5.0		.25		29	42.0					
	5.5		.25		40	41.1					.90
	6.0		.25		50	40.6					.92
	6.5		.25		44	42.4					.94
	7.0		.25		44	41.1					
	7.5		.25		38	40.6					.96
	8.0		.25		30	41.7					.97
	8.5		.25		40	41.8					.98
	9.0		.20		31	40.8					.99
	9.5		.25		36	41.4					
	10.0		.20		35	40.4					
o	10.5		.20		30	42.5					1.00
	11.0		.20		31	42.2					
	11.5		.15		30	40.5					
	12.0		.15		20	40.8					.99
	12.5		.15		18	41.6					.98
	13.2		.15		11	41.0					.97
NEW 1960	14.6		.20		5	40					.96