

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No.

Comp. by.

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

Aiken Creek @ FS
Date *1/4*, 19 *95* Party *HH*
Width *2.6* Area *1.21* Vel. *0.41* G. H. *1.34* Disch. *0.50*
Method *1.6* No. secs. *10* G. H. change. in hrs. Susp.
Method coef. Hor. angle coef. *1.0* Susp. coef. Meter No.
Type of meter Date rated Tag checked
Meter ft. above bottom of wt. Spin before meas. ☒ after ☒
Meas. plots. % diff. from. rating. Levels obtained. *no*

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	ADR	Graphic	Outside
<i>1542</i>	<i>1.37</i>			<i>1.35</i>
<i>1557</i>	<i>1.35</i>			<i>1.33</i>

No ☐ Yes ☒ Time

Samples Collected

No ☒ Yes ☐ Time

Method Used

EDI EWI Other.

SEDIMENT SAMPLES

No ☒ Yes ☐ Time

Method Used

EDI EWI Other.

Weighted M.G.H.				
G. H. correction				
Correct M.G.H.				

BIOLOGICAL SAMPLES

Yes ☐ Time

No ☒ Type

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge. *30* feet, mile, above, below gage.

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

Flow *even*

Cross section *steady*

Control *all in flume*

Gage operating *yes*

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

Record removed *no* Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank Feed Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks

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

River at—

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			
1545 Low	1.0		0.1	6	0	40					.80
	1.3		0.4		20	41.5					.85
	1.6		0.4		16	41.5					
	1.9		0.48		16	44.2					
	2.2		.50		13	40.5					.90
	2.5		.53		16	41.0					.92
	2.8		0.56		18	43.2					
	3.1		0.60		18	42.5					.94
	3.4		0.57		19	44.0					.96
Rew 1556	3.6		0.10		0	40					.97
											.98
											.99
○											1.00
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80