

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 66
Comp. by FSCZ

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by JCK

Anderson Creek

Date 1/13/07 Party CSG
Width 10.8 Area 3.095 Vel. 2.00 G. H. 6.19 Disch. 6.19
Method 18 No. secs. 18 G. H. change. in hrs. Susp. 18
Method coef. 18 Hor. angle coef. 18 Susp. coef. 18 Meter No. 18
Type of meter 18 Date rated 18 Tag checked 18
Meter 18 ft. above bottom of wt. Spin before meas. 18 after 18
Meas. plots. 18 % diff. from. 18 rating. Levels obtained. 18

GAGE READINGS

Time	Inside	ADR	Graphic	Outside
<u>1555</u>	<u>2.419</u>			<u>1.20</u>
<u>1615</u>	<u>2.443</u>			<u>1.23</u>
<u>1650</u>	<u>2.460</u>			<u>1.24</u>
Weighted M.G.H.				
G. H. correction				
Correct M.G.H.				

WATER QUALITY MEASUREMENTS

No Yes Time 1605
C=20.945 Samples Collected PH=7.31
WT=0.9
No Yes Time 1605
Method Used
EDI EWI Other. Other

SEDIMENT SAMPLES

No Yes Time 1605
Method Used
EDI EWI Other. Other

BIOLOGICAL SAMPLES

Yes Time
No Type

Check bar. chain found changed to at at

Wading, cable, ice, boat, upstr., downstr., side bridge. 15 feet, mile, above, below gage.

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

Flow uniform

Cross section cobbles, gravel

Control clear

Gage operating yes Weather clear, up-v wind

Intake/Orifice cleaned no Air °C@ Water °C@

Record removed no Extreme Indicator: Max. 100+ Min. 10

Manometer N₂ Pressure Tank 100+ Feed 10 Bbl rate per min.

CSG checked Stick reading

Observer Stick reading

HWM outside, in well

Remarks * 6 @ 10.55 17 2.449 St 27.66 WT 3) 36.2 SC

17 11.5 AT 9) 13.0 BV

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

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge	
							At point	Mean in vertical				
	6.0	REN	@		1620							
	6.5	.5	.1		5	48	1.31			.05	.007	.85
	7.0	.5	.22		60	43	1.37			.11	.151	
	7.5	.5	.25		100	46	2.12			.125	.265	
	8.0	.5	.3		100	43	2.26			.15	.339	.90
	8.5	.5	.35		100	48	2.03			.175	.355	.92
	9.0	.5	.36		60	47	1.26			.19	.239	
	9.5	.5	.39		80	50	1.57			.19	.298	.94
	10.0	.5	.34		80	49	1.60			.19	.304	.96
	10.5	.5	.4		100	46	2.03			.2	.406	.97
	11.0	.5	.45		80	46	1.95			.225	.439	.98
	11.5	.5	.48		150	56	2.6			.24	.624	.99
	12.0	.5	.5		100	43	2.26			.25	.565	
	12.5	.5	.5		100	46	2.03			.25	.508	
○	13.0	.5	.45		150	46	3.16			.225	.711	1.00
	13.5	.5	.32		150	49	2.97			.16	.475	
	14.0	.5	.2		100	42	2.32			.1	.232	
	14.5	.1	.15		50	41	1.20			.15	.180	.99
	16.0	1.25	.1		40	91	.784			.115	.090	.98
	16.8	LEW	@		1050		2.00					.97
										3.095	6.19	.96
	10.8											
												.94
												.92
												.90
												.85
												.80

.0 .10 .20 .30 .40 .50 .60 .70 .75