

**U.S. DEPARTMENT OF THE INTERIOR**  
**U.S. Geological Survey**  
**WATER RESOURCES DIVISION**  
**DISCHARGE MEASUREMENT AND**  
**GAGE INSPECTION NOTES**

Meas. No. \_\_\_\_\_

Comp. by SWC

Checked by \_\_\_\_\_

Sta. No. 73 Lost Seal @ 1615

Sta. Name \_\_\_\_\_

Date 16 Dec, 20 10 Party SWC CBR

Width 9.9 Area 2.96 Vel. 1.96 G. H. \_\_\_\_\_ Disch. 5.82

Method \_\_\_\_\_ No. secs. 22 G. H. change \_\_\_\_\_ in \_\_\_\_\_ hrs.

Method coef. \_\_\_\_\_ Horiz. angle coef. \_\_\_\_\_ Susp. \_\_\_\_\_ Tags checked \_\_\_\_\_

Meter Type Pygmy Meter No. \_\_\_\_\_ Meter \_\_\_\_\_ ft. above bottom of wt.

Rating used \_\_\_\_\_ Spin test before meas. \_\_\_\_\_ ; after \_\_\_\_\_

Meas. plots \_\_\_\_\_ % diff. from rating no. \_\_\_\_\_ Indicated shift \_\_\_\_\_

GAGE READINGS					
Time				Inside	Outside
		stg	1618	1.89	0.92 <sup>50.05</sup>
		WT	1620	6.1	6.3
Start		sc	1620	47.8	59.0
		stg	1705	1.88	0.95
	Finish				
Weighted MGH					
GH correction					
Correct MGH					

Samples collected: water quality, sediment, biological, other \_\_\_\_\_

Measurements documented on separate sheets: water quality, aux./base gage, other \_\_\_\_\_

Rain gage serviced/calibrated \_\_\_\_\_

Weather: \_\_\_\_\_

Air Temp. \_\_\_\_\_ °C at \_\_\_\_\_

Water Temp: \_\_\_\_\_ °C at \_\_\_\_\_

Check bar/chain found \_\_\_\_\_

Changed to \_\_\_\_\_ at \_\_\_\_\_

Correct \_\_\_\_\_

Wading, cable, ice, boat, upstr., downstr., side bridge, 30 ft., mi. 6 upstr., downstr. of gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: laminar + fast

Cross section : \_\_\_\_\_

Gage operating: \_\_\_\_\_ Record Removed \_\_\_\_\_

Battery voltage: \_\_\_\_\_ Intake/Orifice cleaned/purged: \_\_\_\_\_

Bubble-gage pressure, psi: Tank 1600, Line 9; Bubble-rate 40 /min.

Extreme-GH indicators: max \_\_\_\_\_, min \_\_\_\_\_

CSG checked: \_\_\_\_\_ HWM height on stick \_\_\_\_\_ Ref. elev. \_\_\_\_\_ HWM elev. \_\_\_\_\_

HWM inside/outside: \_\_\_\_\_

Control: free + clear - gage pool almost full w/ sediment.  
stg VT sc At RV

Remarks: \*6) 1) 1.89 2) 6.1 3) 45 4) 6.5 5) 13.5

GH of zero flow = GH \_\_\_\_\_ - depth at control \_\_\_\_\_ = \_\_\_\_\_ ft., rated \_\_\_\_\_



.0 .10 .20 .30 .40 .50 .60 .70 .75  
 River at -

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR .....	AREA	DISCHARGE	.80
							AT POINT	MEAN INVER- TICAL				
	11.5		0		LEW	@						
	10.8	.55	.15	.6	50	42	1.17					
	10.4	.40	.22		60	40	1.47			.082	0.10	.85
	10.0	.40	.32		80	45	1.74			.088	0.13	
	9.6	.40	.42		80	40	1.95			.128	0.22	
	9.2	.40	.50		100	45	2.17			.168	0.33	.90
	8.8	.40	.55		100	45	2.17			.200	0.43	.92
	8.4	.40	.50		100	43	2.26			.220	0.48	.94
	8.0	.40	.50		100	45	2.17			.200	0.45	.96
	7.6	.40	.50		100	49	1.99			.200	0.40	.97
	7.2	.40	.45		100	51	1.91			.180	0.34	.98
	6.8	.40	.50		100	42	2.32			.200	0.46	.99
	6.4	.40	.50		100	40	2.43			.200	0.48	
	6.0	.40	.43		100	41	2.37			.172	0.41	
○	5.6	.40	.35		100	47	2.07			.140	0.29	1.00
	5.2	.45	.25		100	53	1.84			.112	0.21	
	4.7		0		REW	@	1650					
	6.8	1.8								2.49	5.16	.99
					Channel B →		REW					.98
												.97
												.96
	3.7		0		LEW	@	1655					
	3.3	.35	.10		40	40	.992			.035	0.05	.94
	3.0	.30	.18		60	40	1.47			.054	0.08	.92
	2.7	.30	.25		80	41	1.91			.075	0.14	.90
	2.4	.30	.25		80	47	1.67			.075	0.12	
	2.1	.30	.24		80	48	1.63			.072	0.12	
	1.8	.35	.20		40	42	.946			.07	0.07	.85
	1.4	.60	.15		40	43	.925			.09	0.08	
	0.6				REW	@	1701					
	3.1	3.1								0.471	0.66	.80

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