

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

Meas. No. 73

Comp. by EJB/MSB

Checked by _____

Sta. No. _____

Sta. Name F9-GREEN

Date JAN 12, 20 10 Party EJ BLAJSCZAK MS BECKER

Width 3.2 Area 1.00 Vel. .760 G. H. _____ Disch. 0.76

Method .6 No. secs. 11 G. H. change _____ in _____ hrs.

Method coef. 1.0 Horiz. angle coef. -1.0, 1.0 Susp. _____ Tags checked _____

Meter Type PYGMY Meter No. 0084023 Meter _____ ft. above bottom of wt.

Rating used _____ Spin test before meas. _____ ; after _____

Meas. plots _____ % diff. from rating no. _____ Indicated shift _____

GAGE READINGS					
Time		WT	SC	Inside	Outside
<u>15:40</u>					<u>0.76</u>
<u>15:55</u>		<u>9.78</u>	<u>27.89</u>	<u>4.058</u>	
<u>16:15</u>	Start	<u>9.77</u>	<u>28.0</u>	<u>4.05</u>	<u>0.77</u>
	Finish				
Weighted MGH					
GH correction					
Correct MGH					

Samples collected: water quality,
sediment, biological, other _____

3.84 @ 16:00

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

Rain gage serviced/calibrated
No

Weather: SUNNY, CLEAR WINDY

Air Temp. 5.0 °C at 16:00

Water Temp: 11.0 °C at 16:05

Check bar/chain found _____

Changed to _____ at _____

Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, 200 ft., mi. upstr., downstr. of gage.

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

Cross section: COBBLE / ROCK, FIRM + EVEN

Gage operating: YES Record Removed No

Battery voltage: 13.9 Intake/Orifice cleaned/purged: No

Bubble-gage pressure, psi: Tank 1450, Line 11; Bubble-rate 54 /min.

Extreme-GH indicators: max _____, min _____.

CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____

HWM inside/outside: _____

Control: FIRM + CLEAR

Remarks: * 5: TIME + DATE OK

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	OBSERVATION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE .80
							AT POINT	MEAN INVER-TICAL			
	1.4	.20									
	1.8	.35	.25		10	43	0.255			0.088	0.022 .85
	2.1	.30	.47		30	50	0.607			0.141	0.086
	2.4	.30	.41		40	48	0.832			0.123	0.102
	2.7	.30	.42		30	44	0.686			0.126	0.086 .90
	3.0	.30	.46		60	45	1.31			0.138	0.181 .92
	3.3	.30	.39		60	45	1.31			0.117	0.153
	3.6	.30	.39		50	48	1.03			0.117	0.121 .94
	3.9	.35	.23		10	43	0.255			0.081	0.021 .96
-1.0	4.3	.35	.20		5	40	0.151		-0.151	0.07	-0.011 .97
	4.6	.15								0	0 .98
	/	/								/	/ .99
	3.2	3.2								1.00	0.761
											1.00

pH = 7.442 .99

SC = 22.8 @ 10.2°C .98

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