

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

Meas. No. 92

Comp. by _____

Checked by _____

Sta. No. _____

Sta. Name H1 - ANDERSON

Date JAN 24, 20 10 Party MSBECKER

Width 2.6 Area 0.36 Vel. 0.947 G. H. _____ Disch. 0.341

Method 0.6 No. secs. 10 G. H. change 0.01 in 0.5 hrs.

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

Meter Type Hyg 7 Meter No. 0084023 Meter _____ ft. above bottom of wt.

Rating used 6/99 Spin test before meas. 1.20; after 1.20

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

GAGE READINGS					
Time	WT	SC	AT	Inside	Outside
<u>16:45</u>	<u>12.65</u>	<u>-63.14</u>	<u>9.14</u>	<u>1.245</u>	<u>0.20</u>
<u>17:15</u>	<u>13.1</u>	<u>-65.01</u>	<u>9.21</u>	<u>1.238</u>	<u>0.19</u>
Start					
Finish					
Weighted MGH					
GH correction					
Correct MGH					

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

1.20 No

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

No

Rain gage serviced/calibrated _____

Weather: SUNNY, NO WIND

Air Temp. _____ °C at _____

Water Temp: _____ °C at _____

Check bar/chain found _____

Changed to _____ at _____

Correct _____

Wading, eable, ice, boat, upstr., downstr., side bridge, 20 ft. mi. upstr., downstr. of gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (>8%); based on following conditions: Flow: MODERATE FLOW, FAIRLY DISTRIBUTED

Cross section: GRAVEL / SAND, UNIFORM

Gage operating: YES Record Removed YES

Battery voltage: 12.78 Intake/Orifice cleaned/purged: NO

Bubble-gage pressure, psi: Tank 1750, Line 12; Bubble-rate 66 /min.

Extreme-GH indicators: max _____, min _____

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

HWM inside/outside: _____

Control: FREE + CLEAR

Remarks: *5. TIME + DATE FOR MODULE READS "06:00" when checking power
STORAGE MODULE SWAPPED, GAUGE CLOSED FOR SEASON

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			
	2.5	0.15	0		RE OF WATER @						
	2.8	0.30	0.15		60	46	1.28			.045	.0576 .85
	3.1	0.30	0.15		80	51	1.54			.045	.0693
	3.4	0.30	0.15		30	40	0.752			.045	.0338
	3.7	0.30	0.15		50	49	1.01			.045	.0454 .90
	4.0	0.30	0.15		40	52	0.77			.045	.0347 .92
	4.3	0.30	0.15		20	43	0.478			.045	.0215
	4.6	0.30	0.15		80	52	1.51			.045	.0679 .94
	4.9	0.30	0.15		30	42	0.717			.045	.0323 .96
	5.1	0.15	0		LE OF WATER @						.97
											.98
										.036	.0341 .99
											1.00
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80
											.75

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