Form 9-275-G
(July 1994)

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION

DISCHARGE MEASUREMENT NOTES

Meas. No. 20

Sta. No. CRESCENT @ F8

Comp. by JDW

Checked by

Date JAN 25, 19 2002 Party JW LT

Width 4.20 Area .967 Vel. .464 G. H. Disch .449

Method .6 No. secs. 13 G. H. change in hrs. Susp. ROD

Method coef. 1 Hor. angle coef. 1 Susp. coef. 1 Meter No. 8009228

Type of meter 249 Date rated 6/99 Tag checked

Meter ft. above bottom of wt. Spin before meas. after

Meas. plots % diff. from rating. Levels obtained TODAY

GAGE READINGS

Time	WT	Inside	SC	C(m)	TD ~~Outside~~
1830	1.46	3.04	126.9	1058	1.25
				OG=	2.97
1850		3.03			1.25
				OG=	2.97
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No Yes Time 1830

Samples Collected

No Yes Time

Method Used

EDI EWI Other

SEDIMENT SAMPLES

No Yes Time

Method Used

EDI EWI Other

BIOLOGICAL SAMPLES

Yes Time

No Type

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge 2 feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over8%); based on the following cond:

Flow even - regular

Cross section sand - gravel right above

Control clear - looks o.k.

Gage operating Weather COLD - CLDY

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

Record removed Extreme Indicator: Max. Min.

Nitrogen Pressure Tank 1700 Feed 10 Bbl rate 55 per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks SWAPPED LOGGER F8 FOR F8A
12.9 Volts
WT (ms) 1.2 °C

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 AT POINT	VELOCITY MEAN IN VERTICAL	ADJUSTED FOR HOR. ANGLE OR ----------	AREA	DISCHARGE	
	2.1	.40	—		LEW @	1840				—	—	.80
1.0	2.9	.55	.30	.6	5	45		.138		.165	.023	.85
↓	3.2	.30	.25	↓	7	40		.199		.075	.015	
	3.5	.30	.20		20	45		.458		.06	.027	
	3.8	.30	.20		25	48		.531		.06	.032	.90
	4.1	.30	.25		25	42		.603		.075	.045	.92
	4.4	.30	.30		25	42		.603		.09	.054	
	4.7	.30	.30		25	46		.553		.09	.05	.94
	5.0	.30	.34		25	43		.590		.102	.06	.96
	5.3	.30	.30		25	43		.590		.09	.053	.97
	5.6	.30	.30		30	42		.717		.09	.065	.98
	5.9	.35	.20		15	44		.359		.07	.025	.99
	6.3	.20	—		REW @			1850		—	—	
	4.2	4.2								.967	.449	
⊙												1.00
												.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85