Form 9-275-G
(July 1994)

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

DISCHARGE MEASUREMENT NOTES

Meas. No. _____

Sta. No. B. Prison

Comp. by _____

Checked by _____

Date 1/13/09, 19____ Party CMW MRW

Width ____ Area ____ Vel. ____ G. H. ____ Disch .122 cfs

Method ____ No. secs. ____ G. H. change ____ in ____ hrs. Susp. ____

Method coef. ____ Hor. angle coef. ____ Susp. coef. ____ Meter No. ____

Type of meter Cut throat Date rated ____ Tag checked ____

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

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

GAGE READINGS

Time		Inside			Outside
1502		3.410			.05 ± .03
1511	Cut throat	= .17			
1527		3.408			.05 ± .03
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ____ Yes X WT Time 1530

Samples Collected

No ____ Yes X Time 1530

Method Used

EDI ____ EWI ____ Other ____

SEDIMENT SAMPLES

No X Yes ____ Time ____

Method Used

EDI ____ EWI ____ Other ____

BIOLOGICAL SAMPLES

Yes ____ Time ____

No X Type ____

Check bar. chain found ____ changed to ____ at ____

Wading, cable, ice, boat, upstr., downstr., side bridge 50 feet, mile, above, below gage.

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

Flow Low flow

Cross section Sand & gravel

Control Operating but slanted

Gage operating Yes Weather Cloudy

Intake/Orifice cleaned No Air ____ °C@ ____ Water 6.0 °C@ 1530

Record removed No Extreme Indicator: Max. ____ Min. ____

Nitrogen Pressure Tank 1500 Feed 12 Bbl rate 60 per min.

CSG checked ____ Stick reading ____

Observer ____

HWM ____ outside, in well

Remarks AG@ 1502 1) 3.410 stg 2) 1.964 T 3) -6.17 Sec 4) 3.02 AT 5) 13.5 BV

Staff plate unreadable below .20; Caused by erosion from sediment; OG gauge is a estimate cont →

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	
												.80
	Sandbags on control wall need											.85
	replacing. Flume needs to be											
	relevelled and secured											
												.90
												.92
												.94
												.96
												.97
												.98
												.99
⊙												1.00
												.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

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