Form 9-275-G
(Nov 1993)

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

DISCHARGE MEASUREMENT NOTES

Meas. No. 71

Sta. No. _____ Lost Seal Stream Comp. by _____

Checked by CHW

Date 1/5/07, ~~19~~ _____ Party PAL, LFS, ESG

Width _____ Area _____ Vel. _____ G. H. _____ Disch _____

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

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

Type of meter cutthroat 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		Cutthroat	Outside
1350		1.67		1.8	.80
1430		1.76		over ?	.81
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No _____ (Yes) _____ Time 1355

WT = 5.7 pH = 7.85 Samples Collected SC = 40.5 uS

No _____ (Yes) _____ Time 1350

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 _____ feet, mile, above, below gage.

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

Flow uniform

Cross section Sandy

Control clear, water going through overflow weir

Gage operating yes Weather cloudy, warm, up V. wind

Intake/Orifice cleaned no Air _____ °C@ _____ Water _____ °C@ _____

Record removed _____ Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 700 Feed 12+ Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well

Remarks ★6 @ 1355 1) 1.79 ft. 2) 8.5 AT 3) 5.6 WT 4) 13.7 BV 5&6) 32.34 SC

G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

*U.S. GOVERNMENT PRINTING OFFICE: 1993-560-446

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
		cutthroat flume in 3 x-secs									
		x-sect 1					x-sect 2				
		= 0.25						= 0.55			
		Q= .265						.381 + .265 ?			
		x-sect 3									
		= 0.30					from 1400 - 1430				
			.381								
					Q Total = 1.292						

NOTES: repaired new weir @ REW
put in black plastic sheeting

dl