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. Onyx @ L.W.

Comp. by _____

Checked by _____

Date 1/3/08, ~~19~~ Party NRM, AMS, LFS

Width 11.9 ft. Area 3.49 ft² Vel. .976 ft/s G. H. _____ Disch 3.41 cfs

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

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

Type of meter _____ Date rated _____ Tag checked _____

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

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

GAGE READINGS

Time		Inside			Outside
1251		1.44			.293 m
1328		1.45			.295 m
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No _____ Yes ✓ Time 1255

Samples Collected SC 28.7 µS

No _____ Yes ✓ Time 5.3°C WT

Method Used pH = 7.65

EDI _____ EWI _____ Other dip

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 20 feet, mile, above, below gage.

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

Flow unsteady

Cross section pebbles, small rocks

Control clear

Gage operating ✓ Weather sunny, upvalley wind

Intake/Orifice cleaned _____ Air 2.7 °C@ 1338 Water 5.2 °C@ _____

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

Nitrogen Pressure Tank 1600 psi Feed 10 psi Bbl rate 20 per min.

CSG checked _____ Stick reading _____

Observer _____

HWM 1254 _____ outside, in well

Remarks *6 1.45 AT 2.34
WT 3.35 BV 13.6
SC 46.2

* Note: probes at staff plate, are ~~manual measurements~~ partially buried. Moved probes out of sand

*6 @ 1338: 1) 1.45 2) 5.21 WT 3) 28.1 SC 4) 2.69 AT 5) 13.8 BV

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	
LEW	6.5	.5	0								—	
2 1302	7.5	.75	.1		20	44		.468		.075	.035	.85
	8.0	.5	.22		40	42		.946		.11	.104	
	8.5	.5	.35		25	43		.590		.175	.103	
	9.0	.5	.48		80	47		1.67		.24	.401	.90
	9.5	.5	.4		60	42		1.40		.20	.28	.92
	10.0	.5	.45		60	45		1.31		.225	.295	
	10.5	.5	.3		50	40		1.23		.15	.184	.94
	11.0	.5	.47		50	42		1.17		.235	.275	.96
	11.5	.5	.5		50	41		1.20		.25	.3	.97
	12.0	.5	.5		50	47		1.05		.25	.262	.98
	12.5	.5	.52		40	44		.904		.26	.235	.99
	13.0	.5	.4		40	44		.904		.20	.181	
	13.5	.5	.42		30	41		.734		.21	.154	
⊙	14.0	.5	.33		30	40		.752		.165	.124	1.00
	14.5	.5	.33		30	44		.686		.165	.113	
	15.0	.5	.3		30	40		.752		.15	.113	
	15.5	.5	.2		30	44		.686		.10	.069	.99
	16.0	.5	.1		30	46		.658		.05	.033	.98
	16.5	.5	.15		30	46		.658		.098	~~.098~~ .064	.97
	17.3	.75	.1		30	46		.658		.075	.049	.96
	18.0	.55	.2		15	50		.319		.11	.035	
	18.4	.2	0					.976		3.49	3.41	.94
	11.9	11.9										.92
REW 21324												.90
												.85
												.80

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