9-275-F
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. vanda 1

Comp. by. LH

Sta. No. .....

DISCHARGE MEASUREMENT NOTES

Checked by .....

Onyx River @ vanda weir

Date 1.1.17, 1994 Party LH : DM

Width 77.00 Area 87.700 Vel 0.591 G.H. 0.644 meters (1468 l/s)

Method : G No. secs. 38 G. H. change +0.013 in 1 hrs. Susp. .....

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

Type of meter AA Date rated ..... Tag checked .....

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

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

GAGE READINGS meters

Time		Inside	ADR	Graphic	Outside
11.40				—	0.637
12.28					0.650
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No .....Yes. ..... Time .....

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. 2.5 feet, mile, above, below gage.

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

Flow. Steady - laminar

Cross section Sand + rocks - uneven

Control Rock weir + plate, leaking

Gage operating .. yes ..... Weather .....

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

Record removed .. no .. Extreme Indicator: Max. ..... Min. .....

Manometer N_2 Pressure Tank ..... Feed ..... Bbl rate ..... per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks . Inside strip chart not working.

Punch tape running.

.....

G.H. of zero flow 1.50 ft. Sheet No. ..... of ..... sheets

depth on weir plate

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 EMS	6 FT		00		0	0					
.98	10		0.38		0	0					
1	12		0.78		3	68					
1	14		1.33		7	50					
1	16		1.65		25	43					
1	18		1.30		15	41					
	20		1.10		20	49					
	22		1.05		20	52					
	24		1.0		3	43					
	26		1.0		7	41					
1	28		0.87		10	41					
.98	30		0.75		10	60					
1.0	32		0.67		10	59					
1	34		0.90		7	49					
⊙	36		0.90		5	30					
1	38		0.90		3	51					
	40		1.02		1	46					
	42		1.36		1	60					
	44		1.57		5	40					
	46		1.30		15	48					
	48		1.30		20	45					
	50		1.43		20	45					
	52		1.50		25	49					
	54		1.64		25	46					
	56		1.70		20	46					
	58		1.90		20	44					
	60		1.80		15	46					
	62		1.73		15	60					
	64		1.50		10	44					
	66		1.62		7	52					
	68		1.50		10	54					
	70		1.30		10	91					

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

.80 .85 .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

.80