

9-275-F  
(Apr. 93)

U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

Meas. No. ....

Comp. by .....

WATER RESOURCES DIVISION

Sta. No. .... **DISCHARGE MEASUREMENT NOTES** Checked by .....

Date 12/22, 19 93 Party ML, JM, EC

Width 26.8 Area 21.38 Vel. 5.07 G.H. .... Disch. 10.84 ft<sup>3</sup>/sec

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

Meas. Plots ..... % diff. from ..... rating. Levels obtained .....

GAGE READINGS					WATER QUALITY MEASUREMENTS		
Time	Inside	WT	SC	Outside	No	Yes	Time
1145	1.74	0.77	448	(m)		<input checked="" type="checkbox"/>	1200
1200	1.74			0.187	No	Yes	1200
1230	1.75	0.76	45				
1240				0.189			
					<b>SEDIMENT SAMPLES</b>		
					No	Yes	Time
					<b>Method Used</b>		
					EDI	EWI	Other
					<b>BIOLOGICAL SAMPLES</b>		
Weighted M.G.H. ....					Yes		Time
G.H. correction .....					No		Type
Correct M.G.H. ....							

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 (over 8%); based on the following cond:

Flow .....

Cross section .....

Control .....

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

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

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

Manometer N<sub>2</sub> Pressure Tank ..... Feed ..... Bbl rate ..... per min. ....

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

Observer .....

HWM ..... outside, in well

Remarks @ 1155 feed = 5 psi, changed to 10

13.2 volts

@ 1200 SC = 48.2, WT = 1.25

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

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

Vanda River at

12/22/99

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
	3.0	0.5	0.04		REW @ 120		0			.02	0
	4.0	1.0	0.12	.6	0	40		0		.12	0
	5.0	1.0	0.22		0	40		0		.22	0
	6.0	1.0	0.43		0	40		0		.43	0
	7.0	1.0	0.50		0	40		0		0.50	0
	8.0	1.0	0.61		0	40		0		.61	0
	9.0	1.0	0.80		0	40		0		.80	0
	10.0	1.0	0.92		0	40		0		.92	0
	11.0	1.0	1.05		5	40		.151		1.05	.158
	12.0	1.0	1.03		5	40		.151		1.03	.155
	13.0	0.875	0.91		20	50		.415		.796	.330
	13.75	0.75	0.90		30	54		.565		.675	.381
	14.5	0.75	0.89		30	49		.619		.668	.413
	15.25	0.75	0.90		30	49		.619		.675	.418
o	16.00	0.75	0.94		30	41		.734		.705	.517
	16.75	0.75	0.94		40	50		.800		.705	.564
	17.50	0.75	0.93		40	47		.849		.698	.593
	18.25	0.75	0.91		35	43		.813		.682	.554
	19.00	0.75	1.08		40	46		.866		.810	.701
	19.75	0.75	1.21		30	43		.701		.908	.636
	20.50	0.75	1.23		35	45		.778		.922	.717
	21.25	0.875	1.25		35	45		.778		1.094	.851
	22.25	1.0	1.24		35	43		.813		1.24	1.01
	23.25	1.0	1.13		30	41		.734		1.13	.829
	24.25	.965	1.18		25	41		.6117		1.139	.697
	25.18	.925	1.11		25	44		.577		1.027	.593
	26.10	.960	0.75		25	46		.553		0.720	.398
	27.1	1.2	0.45		15	44		.359		0.54	0.194
	28.5	1.35	0.40		10	46		.240		0.54	.130
	29.8	0.65	0	v	0	LEW @ 1740					
		26.8						.507		21.38	10.84

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