9-275-F
(Apr. 93)

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

WATER RESOURCES DIVISION

Meas. No. 54

Comp. by

Sta. No. Von Ormond @ FG

DISCHARGE MEASUREMENT NOTES

Checked by CHW

Date 1/10/07, 19 Party PAC

Width 6.4 Area 1.27 Vel. 1.0 G.H. Disch. 1.27

Method No. secs. 15 G.H. change in hrs. Susp.

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

Type of meter Price Date rated Tag checked

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

Meas. Plots % diff. from rating. Levels obtained

GAGE READINGS

Time	Inside				Outside
0026	1.320				1.66
0050	1.305			tapedown	1.02
					1.66
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No X Yes Time

Samples Collected

No X 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 C75 feet, mile, above, below gage.

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

Flow shallow, 1cm. - ft/s

Cross section Sand, pebble

Control flowing free

Gage operating Weather Warm, calm +

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

Record removed Extreme Indicator: Max. Min.

Manometer N_2 Pressure Tank Feed Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks Shallow x-s.
meter working ok / Discharge only

G. H. of zero flow ft. Sheet No. 1 of 1 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	
	4.4	REV e		0029								.80
	4.8	.4	.19		30	45	.671			.076	.051	.85
	5.2	.4	0.2		40	48	.832			.08	.067	
	5.6	.4	.25		50	46	1.08			.1	.108	
	6	.4	.28		40	43	.925			.112	.104	.90
	6.4	.4	.29		~~50~~	~~45~~	1.10			.116	.128	.92
	6.8	.4	.23		60	47	1.26			.092	.116	
	7.2	.4	.2		60	47	1.26			.08	.101	.94
	7.6	.4	.18		60	45	1.31			.072	.094	.96
	8.0	.4	.20		50	40	1.23			.08	.098	.97
	8.4	.4	.22		50	48	1.03			.088	.090	.98
	8.8	.4	.28		50	48	1.03			.112	.115	.99
	9.2	.4	.18		50	47	1.05			.072	.076	
	9.6	.4	.20		40	45	.885			.08	.071	
⊙	10.0	.4	.18		30	45	.671			.072	.048	1.00
	10.4	.4	.10		0	40	0			.04	0	
	10.8	REV e		0048								
	6.4	6.8					1.00			1.27	1.27	.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

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