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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 62

Comp. by RAC

WATER RESOURCES DIVISION

House Ck. cH2

Sta. No. .....

DISCHARGE MEASUREMENT NOTES

Checked by CHW

.178 CHW

Date 12-24-2000 ↗ 19 ..... Party RAC

Width 3.1 Area .394 Vel. .668 G.H. ..... Disch. .263

Method ..... No. secs. ..... G.H. change .607 CHW ..... in ..... hrs. Susp. .108 CHW

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

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

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

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

GAGE READINGS					
Time		Inside	ADR	Graphic	Outside
1335		1.23		1.07	0.07
WT	-.4				
AT	3.0				
SC	39.7				
BATT	14.4v				
1415		1.19		1.05	0.05
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ..... Yes. X Time 1345

pH = 8.23 cond = 25.0 uS

WT = 0.32

Samples Collected

No ..... Yes. X Time 1340

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 250 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_2 Pressure Tank 750 Feed 12 Bbl rate ..... per min.

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

Observer .....

HWM 30% ..... outside, in well

Remarks ~20% of flow leaking under control, not meas. in flume

Note - °C not flashing on Cond. meter (SC or Cond?)

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
	0.5	REW @		1355	hrs						
	0.8	.3	0.02		25	47	.542			.006	.003
	1.1	.3	0.05		10	50	.223		CHW	.015	.003
	1.4	.3	0.08		30	42	.717		.024 ←	.240	.172 → .017
	1.7	.25	0.08		20	40	.511			.020	.010
	1.9	.2	0.1		30	44	.686			.020	.014
	2.1	.2	0.1		35	45	.778			.020	.016
	2.3	.2	0.1		30	44	.686			.020	.014
	2.5	.2	0.1		25	50	.511			.02	.010
	2.7	.2	0.08		40	44	.904			.016	.014
	2.9	.2	0.05		30	46	.658			.01	.007
	3.1	.35	0.02		0	0	0			.007	0
	3.6	LEW @		1415							
⊙	3.1						.668			.394	.263

.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