9-275-F
(Apr. 93)

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

Meas. No. 483

Comp. by

Sta. No. H2 House Stream

DISCHARGE MEASUREMENT NOTES

Checked by

Date 1/3, 2000 Party MG, JM, EC

Width 6.7 Area 1.37 Vel. 0.876 G.H. Disch. 1.20 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 ft. above bottom of wt. Spin before meas. after

Meas. Plots % diff. from rating. Levels obtained

GAGE READINGS

Time	Inside				Outside
1302	1.43				0.38
1328	1.42				0.37
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 400 feet mile, above, below gage.

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

Flow uniform

Cross section

Control

Gage operating Weather

Intake/Orifice cleaned Air 6.65 °C@1255 Water .85 °C@1255

Record removed Extreme Indicator: Max. Min.

Manometer N_2 Pressure Tank 1200 Feed 12 psi Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks SC_m=38, ST_m=1.8°C @1255 // SC=55.2, Volts=14.4 Volts

Chem taken @ 1300 hrs

G. H. of zero flow ft. Sheet No. 1 of 1 sheets

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
	2.6	0.30	0	-	REWet	304				0	0
	3.2	0.45	0.15		10	57	0.200			.0675	.0135
	3.5	0.30	0.15		15	42	0.374			.045	.0168
	3.8	0.30	0.17		10	44	0.249			.051	.0127
	4.1	0.30	0.18		25	47	0.542			.054	.0293
	4.4	0.30	0.18		25	42	0.603			.054	.0326
	4.7	0.30	0.19		40	48	0.832			.057	.0474
	5.0	0.30	0.20		30	41	0.734			.060	.0440
	5.3	0.30	0.21		30	43	0.701			.063	.0442
	5.6	0.30	0.27		40	44	0.904			.081	.0732
	5.9	0.30	0.32		50	47	1.05			.096	.1008
	6.2	0.30	0.34		50	43	1.15			.102	.1173
	6.5	0.30	0.35		50	43	1.15			.105	.1208
	6.8	0.30	0.31		60	43	1.37			.093	.1274
⊙	7.1	0.30	0.28		50	42	1.17			.084	.0983
	7.4	0.30	0.24		50	40	1.23			.072	.0886
	7.7	0.30	0.23		50	41	1.20			.069	.0828
	8.0	0.30	0.22		40	44	0.904			.066	.0597
	8.3	0.30	0.20		30	40	0.752			.060	.0451
	8.6	0.50	0.18		20	45	0.458			.090	.0412
	9.3	0.35	0				REWet	327		0	0
	6.7	6.7						.876		1.37	1.20