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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. . . . . .

Comp. by. . . . . .

WATER RESOURCES DIVISION

Sta. No. 08114000 **DISCHARGE MEASUREMENT NOTES** Checked by . . . . .

Brazos River @ Richmond, Tx

Date Dec. 29, 19 91 . . . Party F. Liscum, J.C. Fisher

Width . . . . . Area . . . . . Vel. . . . . G. H. 48.58 Disch. Visit . .

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	DCP	Inside	ADR	Graphic	Outside	No . . . . . Yes. . . . . Time . . . . .
1000	48.54				48.54 ±.05	Samples Collected
1030	48.51			48.53		No . . . . . Yes. . . . . Time . . . . .
1035		48.58	48.58	Painting	±.05	Method Used
						EDI . . . . . EWI . . . . . Other. . . . .
						SEDIMENT SAMPLES
						No . . . . . Yes. . . . . Time . . . . .
						Method Used
						EDI . . . . . EWI . . . . . Other. . . . .
Weighted M.G.H.			%			BIOLOGICAL SAMPLES
G. H. correction						Yes. . . . . Time . . . . .
Correct M.G.H.						No . . . . . Type . . . . .

Check bar. chain found . 74.20 . . . . . 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 . All appears ok . . . Weather . . . . . .

Intake/Orifice cleaned . . . . . 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 Took photos. . . . . .

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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
⊙											

.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