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9-275
January 1935

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Meas. 185

Date 12-11-40, 19 ___ DISCHARGE MEASUREMENT NOTES

Brazos River, at Richmond, Tex.

90 •

Dist. from initial point	Angle coefficient	Depth	Depth of observation	Revolutions	Time in seconds	VELOCITY At point	VELOCITY Mean in vertical	VELOCITY Mean in section	Area	Mean depth	Width	Discharge
466			.2				0	.20	74			10
450							39	.49	219			110
430							59	1.02	281			290
410							145	1.88	341			640
390							231	2.38	372			890
370							244	2.72	358			980
350							3.00	3.02	360			1090
330							3.05	3.31	384			1270
310							3.57	3.68	399			1470
290							380	3.75	415			1560
270							370	3.80	415			1580
250							390	3.81	425			1620
230							372	3.61	445			1610
210							350	3.46	459			1590
190							343	3.40	454			1540
170							336	2.94	423			1240
150							253	2.50	405			1010
130							248	2.43	388			940
110							238	~~2.10~~ 1.80	289			520 ~~610~~
90							1.23	.62	50			30
80			2				0		6957			~~20,050~~ 19,980

92 • 94 • 96 • 97 • 98 • 99 • 98 • 97 • 96 • 94 • 92 • 90 • 85 •

V_{2-8} = 2.69 V_{2-8} 2.69 6

V_2 = 20000 / 6960 = 2.87 V_2 = 2.87 = 0.937

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75 • Q = 18,700