Meas
214

9-275
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 6/23/42, 19 ___ **DISCHARGE MEASUREMENT NOTES**

Brazos River, at Richmond, Tex.

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
(REW) 70			.2				0	.27	36			10
80							.54	1.54	155			240
95							2.53	2.48	242			600
110							2.42	2.40	297			710
125							2.37	2.42	309			750
140							2.48	3.06	403			1240
160							3.63	3.56	399			1420
180							3.49	3.58	392			1400
200							3.67	3.69	377			1390
220							3.71	3.71	374			1390
240							3.71	3.60	367			1320
260							3.49	3.36	349			1170
280							3.24	3.24	345			1120
300							3.24	3.27	347			1140
320							3.30	3.14	338			1060
340							2.97	2.88	329			950
360							2.79	2.64	332			880
380							2.48	2.03	325			660
400							1.58	1.31	289			380
420							1.04	.85	251			210
440							.66	.54	148			80
455							.43	.26	58			20
470			.2				.08		462			18,140
	V_2 =		18100/6460 = 2.80				V_{2-8} / V_2 =		2.52 / 2.80 =	.900		
	V_{2-8} =		2.52									

Q = 16,300

No. 1 of 1 Sheets. Comp. by WWG Chk. by