Meas 172

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

Date 8-24-49, 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
48			.2				0	1.53	60			90
65							3.06	2.92	137			400
85							2.77	2.94	144			420
105							3.12	3.83	162			620
125							4.54	4.56	173			790
145							4.59	4.80	185			890
165							5.01	4.96	198			980
185							4.90	4.87	209			1020
205							4.84	4.87	169			820
220							4.90	4.82	173			830
235							4.74	4.85	174			840
250							4.96	5.04	176			890
265							5.12	5.18	176			910
280							5.24	5.34	181			960
295							5.44	5.32	191			1020
310							5.20	5.19	202			1050
325							5.18	4.91	222			1090
340							4.64	4.20	318			1340
360							3.76	3.58	331			1180
380							3.40	2.93	256			750
400							2.46	1.23	62			80
415			.2				0		3,900			16,970
$V_{2\cdot8}$ =		4.08										
V_2 =		$\frac{17.000}{3900}$ = 4.36					$\frac{V_{2\cdot8}}{V_2}$ =	$\frac{4.08}{4.36}$	= 0.936			

Q = 15900

No. 1 of 1 Sheets. Comp. by WHG Chk. by HHP