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

Meas. 173

Date 8-25-40, 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
51			.2				0	1.42	39			60
65							2.83	2.60	131			340
85							2.36	2.37	130			310
105							2.38	2.77	121			340
125							3.16	3.50	137			480
145							3.84	4.00	146			580
165							4.15	4.22	152			640
185							4.30	4.38	156			680
205							4.46	4.30	128			550
220							4.15	4.28	139			600
235							4.41	4.36	146			640
250							4.30	4.16	156			650
265							4.01	4.16	165			690
280							4.30	4.40	165			730
296							4.50	4.62	164			760
310							4.74	4.66	170			790
325							4.59	4.42	193			850
340							4.25	3.89	284			1100
360							3.53	3.21	303			970
380							2.89	2.50	241			600
400							2.12	1.06	49			50
412			.2				0		3315			12,410
V_2-8 =		3.56						$\frac{V_2-8}{V_2}$ =	$\frac{3.56}{3.73}$ =			.954
V_2 =		$\frac{12,400}{3320}$ =		3.73								

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