9-275
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Meas 183

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 12-6-40, 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
67			.2				0	1.09	101			110
80							2.18	2.88	402			1160
100							3.57	3.49	560			1950
120							3.41	3.68	615			2260
140							3.95	4.02	612			2460
160							4.10	4.10	663			2720
180							4.10	4.38	710			3120
200							4.67	4.81	683			3280
220							4.95	4.84	645			3120
240							4.74	4.46	636			2840
260							4.18	4.26	636			2710
280							4.34	4.36	633			2760
300							4.38	4.13	628			2600
320							3.88	3.90	620			2420
340							3.92	3.80	615			2340
360							3.69	3.28	613			2010
380							2.88	2.29	591			1350
400							1.70	1.62	548			890
420							1.54	1.44	510			730
440							1.34	.67	400			270
472			.2				0		11,422			41,~~100~~ 090
V_{2-8} =		3.38										94
$V_{.2}$ =	41,100 / 11,400			=	3.61			V_{2-8} / V_2	= 338 / 3.61		=	.936

No. 1 of 1 Sheets. Comp. by W.H.G. Chk. by HOP

Q = 38,700