9-275
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Meas. 184

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 12-8-40, 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
71			.2				0	.24	38			10
80							49	1.74	266			460
100							299	2.88	422			1220
120							276	2.84	474			1350
140							291	3.37	466			1570
160							383	4.12	512			2110
180							440	4.34	563			2440
200							427	4.21	546			2300
220							415	4.10	508			2080
240							404	3.92	495			1940
260							380	3.63	483			1750
280							346	3.56	470			1670
300							367	3.48	469			1630
320							330	3.32	456			1510
340							333	3.02	464			1400
360							270	2.80	473			1320
380							291	2.82	444			1250
400							273	1.96	399			780
420							120	.84	349			290
440							49	.24	246			60
460							0	0	55			0
473							0		8598			27,140
V_{2-8} =		2.94										
V_2 =	27	100/8600		3.15				V_{2-8}/V_2 =	2.94/3.15	=		.933

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

Q = 25,300