9-275
January 1935

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Meas. 179

Date 11-27-40, 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
75	% of flow meas by "S", assume "S" = .2 obs.											
LEW 560		0					0	1.38	32			40
540			.6		= .933		2.77	222	39			90
520			.6		=		1.67	1.78	98			170
490			S	6.57	7.04		1.90	3.50	912			3190
440			S				5.10	4.77	834			3980
420			S		=		4.44	4.60	857			3940
400			.2	1/2 = 8			4.77	5.12	869			4450
380			S		1/2		5.48	6.74	1296			8740
350							7.99	7.64	1293			9880
320							7.29	8.02	1287			10320
290							8.74	8.59	1278			10980
260							8.40	8.59	1269			10900
230							8.74	8.82	1298			11450
200							8.91	8.45	895			7560
180			S		= 7.04		7.99	8.04	920			7390
160			2				8.09	7.65	938			7180
140							7.21	7.10	931			6610
120							6.98	7.30	847			6180
100				6.57	1/6900		7.63	7.28	651			4740
80							6.92	3.97	329			1310
60				1/2.8 =	1/2 = 1900		1.02	.51	32			20
50			2				0		16,904			~~119120~~
REW												119060

Q = 119,000

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

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