Meas 219

9-275
January 1935

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 10-28-42, 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
REW 68			.2			0		0	10			0
73						0		.65	77			50
85						1.30		2.00	188			380
100						2.70		2.64	274			720
115						2.58		2.96	310			920
130						3.34		3.30	303			1000
145						3.27		3.34	287			960
160						3.40		3.66	284			1040
175						3.92		3.92	287			1130
190						3.92		4.01	293			1170
205						4.10		4.06	290			1180
220						4.01		3.88	278			1080
235						3.76		3.80	281			1070
250						3.84		3.86	281			1090
265						3.92		3.80	268			1020
280						3.68		3.54	257			910
295						3.40		3.62	250			900
310						3.84		3.72	251			930
325						3.61		3.57	254			910
340						3.53		3.44	255			880
355						3.34		3.06	257			790
370						2.77		5 2.06	256			660 ~~530~~
385						2.36		2.24	246			550
400						2.12		1.74	238			410
415			.2			1.36		1.12	203			230

No. 1 of 2 Sheets. Comp. by WHG Chk. by HWP

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430			.2				.88	.64	157			100
445							39	.37	79			30
455							35	.18	35			10
466			.2				0					
LEW												
									6449			~~19,990~~
	Q = 18,800											20,120
		.2 method				Vm =		20,800/6450 =		3.10		
		.2-.8		✓		Vm =		2.92				
		Vm/V2 =		2.92/3.10²		=	0.942	.935				

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