Meas. 216

9-275
January 1935

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 9-12-42, 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 54			.2			0	0	0	10			0
60							0	1.24	80			100
70							2.49	3.62	160			580
80							4.74	4.84	340			1650
95							4.95	4.06	430			1740
110							3.18	3.45	630			2170
130							3.72	3.94	630			2480
150							4.15	4.60	620			2850
170							5.06	5.86	610			3570
190							6.65	7.02	600			4210
210							7.40	7.40	570			4220
230							7.40	7.48	540			4040
250							7.57	7.40	560			4140
270							7.24	7.02	560			3930
290							6.79	6.79	560			3800
310							6.79	6.59	570			3760
330							6.39	6.27	600			3760
350							6.15	5.99	630			3770
370							5.83	5.28	660			3480
390							4.74	4.19	650			2720
410							3.64	3.60	600			2160
430							3.57	3.44	530			1820
450							3.30	2.12	290			620
465							.93	.46	140			60
478			.2				0	0	70			0

No. 1 of 2 Sheets. Comp. by WRG Chk. by BWB

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490							0	0	10			0
494							0					
LEW												
									11650			61,630
	Q = 59,500											
			$V_{.2-.8}$ =		5.12							
			$V_{.2}$ =		61,600 / 11600 =			5.31				
			$V_{.2-.8} / V_{.2}$ =		5.12 / 5.31 =			0.964				

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