Meas. 208

9-275
January 1935

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 4-10-42, 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 55			.2				0	2.26	46			100
65							4.51	5.20	135			700
75							5.89	6.12	200			1220
85							6.35	6.48	380			2460
100							6.61	6.48	471			3060
115							6.35	6.42	511			3280
130							6.48	6.54	657			4300
150							6.61	6.98	615			4300
170							7.36	7.54	585			4410
190							7.71	7.80	595			4640
210							7.90	7.90	587			4630
230							7.90	8.02	564			4520
250							8.14	7.75	594			4600
270							7.36	7.28	622			4530
290							7.20	7.12	632			4500
310							7.04	7.04	624			4390
330							7.04	6.70	595			3980
350							6.35	6.07	591			3590
370							5.79	5.20	613			3180
390							4.60	4.18	634			2650
410							3.77	3.89	611			2380
430							4.01	3.68	523			1920
450							3.34	2.14	366			780
470							.93	.46	174			80
487							0	0	42			0
499 LEW			.2				0					

$\frac{5.70}{6.18} = \frac{0.922}{1.2-.8}$

$\frac{1.2-.8}{1.2} = 6.18 = 5.70$

$\frac{74,200}{12000} = 6.18$

$Q = 48,500$

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