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Meas. 217

9-275
January 1935

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 9-15-42, 19 ___ **DISCHARGE MEASUREMENT NOTES**

Brazos River, at Richmond, Tex.

90 •

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 65			.2				0	0	10			0
70							0	.53	80			40
80							1.06	1.93	200			390
95							280	2.69	290			780
110							258	2.56	350			900
125							255	2.30	350			800
140							205	2.24	450			1010
160							244	3.20	450			1440
180							3.97	4.12	430			1770
200							4.28	4.41	400			1760
220							4.54	4.59	400			1840
240							4.64	4.59	420			1930
260							4.54	4.41	430			1900
280							4.28	4.36	420			1830
300							4.45	4.35	420			1830
320							4.25	4.35	420			1830
340							4.45	4.35	430			1870
360							4.25	4.06	460			1870
380							3.88	3.40	470			1600
400							2.92	2.34	450			1050
420							1.76	1.68	290			490
435							1.61	1.29	170			220
445							.97	1.00	150			150
455			.2				1.03	.73	90			70
465			.6				.43	.22	20			—
472							0		8050			27330

Q = 25,000

$\sqrt{2} = 27.300/8050 = 3.39$ (40)

$\sqrt{2} = 3.11$

$\sqrt{2-8} = 3.11$

$\sqrt{2-8} = 3.39$

No. LEW ___ of ___ Sheets. Comp. by ___ Chk. by ___

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