Meas 210

9-275
January 1935

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 4-28-42, 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
	4 sections "S" obs. about 18% of total											
disch. Study of V.V. curves indicate that												
"S" obs. are nearly same as .2 obs. Meas												
recomp. calling "S" obs = .2 obs.												
REW 53		0					0	1.40	30			40 ~~0~~
60			.2				2.79	4.04	230			930
75			S= .2				5.30	6.44	350			2250
90							7.58	7.06	420			2970
105							6.54	6.54	500			3270
120			S= .2				6.54	6.54	690			4520
140			.2				6.54	6.82	640			4360
160							7.10	7.02	610			4280
180							6.95	7.18	610			4380
200							7.41	7.33	610			4470
220							7.25	7.25	630			4570
240							7.25	7.18	660			4740
260							7.10	7.10	660			4680
280							7.10	7.02	640			4490
300							6.95	6.68	640			4280
320							6.41	6.30	670			4220
340							6.18	6.02	700			4220
360							5.85	5.51	730			~~3450~~ 4020
380							5.17	4.72	700			3300
400			.2				4.28	3.76	670			2520

No. 1 of 2 Sheets. Comp. by WHG Chk. by [illegible]

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420			.2				3.24	3.21	630			2020 1040
440							3.18	2.86	400			1140
455							2.53	2.08	290			600
470							1.63	.82	130			110
480							0	0	99			0
498			.2				0					
LEW												
									12939			~~75,290~~
												76,380
						76400						
	.2	method			Vm =		~~75,300~~ / 12900 =		~~5.84~~	5.92		
	.2-8	✓			Vm =		5.57					
								.943				
			Vm / V2	=	5.57 / ~~5.84~~ .92		=	0.954				
		Q =	74,900									

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