9-275
January 1935

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Meas. 169

Date 8-23-40, 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
45			.2			0		1.38	105			140
65						2.77		2.80	218			610
85						2.83		3.66	241			880
105						4.50		5.10	255			1300
125						5.69		5.82	258			1500
145						5.95		5.87	267			1570
165						5.79		5.90	269			1590
185						6.00		5.98	262			1570
205						5.95		6.09	188			1140
220						6.23		6.38	182			1160
235						6.54		6.32	184			1160
250						6.11		6.17	190			1170
265						6.23		6.29	195			1230
280						6.35		6.38	203			1300
295						6.41		6.28	214			1340
310					5.90, 6.41	6.16		6.26	228			1430
325					6.17, 6.54	6.36		6.05	239			1440
340						5.74		5.52	248			1370
355						5.30		4.94	261			1290
370						4.59		4.20	261			1100
385						3.80		3.66	206			750
400						3.53		1.76	84			150
416			.2			0			4758			25,~~210~~ 190

$V_{1/2-8} = 5.06$

$\frac{25,200}{4760} = 5.29$

$Q = 24,100$

No. 1 of 1 Sheets. Comp. by WHG Chk. by NHP