9-275 c
(August 1949)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

Meas. No. 531

Comp. by

Checked by BGS

.2 depth method

DISCHARGE MEASUREMENT NOTES

Brazos River at ~~near~~ Richmond, Tex

Date May 4, 1958 Party Sauer

Width Area Vel. G. H. Disch. 19,110

Method No. secs. G. H. change in hrs. Susp.

Method coef. Hor. angle coef. Susp. coef. Meter No.

GAGE READINGS				
Time		Recorder	Inside	Outside
Weighted M. G. H.				
G. H. correction				
Correct M. G. H.			13.34	

Date rated Used rating for rod susp. Meter ft. above bottom of wt. Tags checked Spin before meas. after Meas. plots % diff. from rating Wading, cable, ice, boat, upstr., downstr., side bridge at feet, mile, above, below gage, and Check-bar, chain found changed to at Correct Levels obtained

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on following conditions: Cross section

Flow Weather

Other Air ° F. @

Gage Water ° F. @

Record removed Intake flushed { U. L.

Observer

Control Qm = 18,200 (total)

Remarks Qm = 18,160 (between sta 610 & REW)

C = 0.95

G. H. of zero flow ft. Sheet No. 2 of 2 sheets.

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9-275
September 1943

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 3-4, 1958 **DISCHARGE MEASUREMENT NOTES**

Brazos River at Richmond, Tex.

Dist. from initial point	Depth	Observation depth	Revolutions	Time in seconds	Velocity: At point	Velocity: Mean in vertical	Velocity: Mean in section	Area	Mean depth	Width	Discharge
			LEW @			9:08					
590											0
610											0
630							.49	105			51
650							.26	218			57
670							.99	280			277
690							1.58	334			528
710							1.96	378			741
730							2.39	424			1013
750							3.07	453			1391
770							3.21	471			1512
790							3.51	457			1604
810							3.30	457			1508
830							3.51	494			1734
850							3.44	446			1534
865							3.99	464			1851
890							3.30	555			1832
910							2.87	392			1125
930							3.00	384			1152
950							2.93	297			870
970							2.45	135			331
980											50
986											0
				LEW @		10:25					
											19,110

Angle coefficient

No. 2 of 2 Sheets, Comp. by GTH Chk. by BGS