RECORDED

9-275 c
(August 1949)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. VISIT

Comp. by

Checked by

DISCHARGE MEASUREMENT NOTES

Brazos River at Richmond, Tex.

Date June 8, 1957 Party J N Sansom

Width Area Vel. G. H. Disch. VISIT

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

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

GAGE READINGS				
Time	Tape	~~Recorder~~	Inside	~~Outside~~ w.wt.
1:45 pm		27.8 ± .2		28.03
4:30 pm				28.02
Weighted M. G. H.				
G. H. correction				
Correct M. G. H.				

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 feet, mile, above,

below gage, and

Check-bar, chain found 58.69

changed to — at

Correct 58.68

Levels obtained No

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

Flow Smooth Weather Rainy

Other Air ° F. @

Gage *Inoperative - left O.K. Water ° F. @

Record removed No Intake flushed U. L.

Observer USWB - not seen

Control channel

Remarks *Found chain broken - installed new chain - repaired pen carriage & reversal mechanism - oiled & cleaned recorder - left OK

G. H. of zero flow — ft. Sheet No. 1 of sheets.

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9-275-b

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

DISCHARGE MEASUREMENT NOTES
TWO-TABLE METHOD

U. S. GOVERNMENT PRINTING OFFICE: 1931 6—8166

Brazos River at Richmond

Date June 8 1957 No. of Meas.

Meter No. 2015 Reel Coefficient

Type of suspension 100 Cl. 0

Size of line 1/10" Notes by JNS.

	Distance from initial point	Distance above water surface	Vertical angle	Observed depth	Air correction	Wet-line depth	Water correction	Vertical depth	Depth of observation	Revolutions	Time in seconds	Velocity: At point	Velocity: Mean in vertical	Velocity: Mean in section	Area	Mean depth	Width	Discharge
LEW @ 2.45 pm US Rosenberg bridge #2015 100 Cl. 0																		
	138			0														
	neg flow																	
? 50	150			7.1					1.4	15	47							
	Parallel								5.7	10	45							
? 0	170			14.2					2.8	15	40							
	Pos								11.4	10	40							
? 10	190			22.0					4.4	25	47							
	Pos								17.6	10	42							
? 30	210			29.1					5.8	40	44							
	Time out to repair equip								23.3	30	42							
? 80	230			32.2					6.4	40	44							
									25.8	50	45							
Good 90	250			31.6					6.2	100	42							
	Equip failure — Started raining hard								25.3	100	50							
	270			32.7					6.5									
									26.2									
	Measurement discontinued —																	

Computed by _____ Checked by _____ No. _____ of _____ Sheets.