RECORDED

9-275 c
(July 1935)

Water temp. 89 °F

Air temp. 82 °F

Time 6.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

DISCHARGE MEASUREMENT NOTES

Meas. No. 394

Checked by B.T.C.

Date 11-5-52

Brazos River at Richmond, Tex.

Date July 31, 1952 Party BL Smith

Width 102 Area ~~117~~ 132 Vel. ~~1.96~~ 1.31 G. H. 0.15 Disch. 17~~X~~ 3

Method .6/2 & .8 No. secs. 21 G. H. change 0.00 in 1.0 hrs. Susp. Rod

Method coef. 1.00 Hor. angle coef. 1.00 Meter No. 1830 Susp. coef. 1.00

GAGE READINGS Tape

Time		Recorder	~~Inside~~	Outside
1:05 p.m.			0.17	0.18
1:15	~~Start~~	w-wt. →		0.17
~~3:20~~	~~Start~~			
~~5:00~~	~~Finish~~			
6:00			0.16	0.17
6:00		0.17 w-wt. →		0.16
7.00	St	0.15	(.16)	
8:00	~~Finish~~	0.15	(.15)	
8:30	Chart		0.14	—
not marked				
Weighted M. G. H.		0.15	~~.15~~	
G. H. correction				
Correct M. G. H.				

Date rated 3/22/49 Used rating for rod ____ susp. Meter — ft. above bottom of wt. Tags checked ____

Spin before meas. OK after OK

Meas. plots ____ % diff. from ____ rating

Wading, ~~cable, ice, boat, upstr., downstr., side bridge~~ 2 ~~feet~~, mile, ~~above~~, below gage, ~~and~~ —

Chain, wire, found 58.68, changed to — at —

Correct length 58.68

Levels obtained No

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

Flow semi-turbulent Weather fair

Other 2nd meas of this date

Gage ____

Record removed No Intake flushed No

Observer —

Control —

Remarks see meas. of this date

Sheet No. 1 of 3 sheets. G. H. of zero flow ____ ft.

U. S. GOVERNMENT PRINTING OFFICE 6—7440

9-275
September 1943

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 7/31, 1952 **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
4	0	REW. 7:00 P.M.						0		2	0
8	1.0	.6	30	42			1.59	4.0		4	6.4
12	1.5	.9	40	48			2.02	6.0		4	12.1
16	1.7	.3	40	47	1.89		1.78	6.8		4	12.1
		.6	30	40	1.67						
20	1.7	.3	40	47	2.02		1.80	6.8		4	12.2
		.6	30	42	1.59						9
24	1.5	.9	50	48	2.		2.31	6.0		4	13.8
								4.2		3	7.5
28	1.4	.8	40	[illegible]			1.78	5.6		4	10.0
							4	4.5		3	7.8
30	1.5	.9	40	[illegible]			1.78	6.0		4	10.7
											3
34	1.5	.9	40	[illegible]			1.89	6.0		4	11.3
38	1.7	.3	40	40	2.22		1.90	6.8		4	12.9
		.6	30	42	1.59		83	9.0		5	16.5
42	1.8	.3	40	42	2.11		1.88	7.0		4	10.8
		.6	30	43	1.55			8.0		5	13.4
48	1.6	.3	30	40	1.67		1.67	6.4		4	10.7
		.6	30	40	1.67						

No. 2 of 3 Sheets. Comp. by RLS Chk. by

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9-275
September 1943

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Date 7/31, 1952 **DISCHARGE MEASUREMENT NOTES**

Brazos River at Richmond, Texas

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
52	1.5	.9	45	52	1.71		1.71	6.0		4'	10.3
56	1.8	36	70	48	1.85		1.72	7.2		4'	12.4
		1.44	30	42	1.59						
60	1.3	.52	55	41			1.36	6.5		5'	8.8
66	1.3	.15	70				.85	7.8		6'	6.6
72	1.4	.10	40				.57	~~8.4~~ 9.8		~~6~~ 7'	~~4.8~~ 5.6
80	1.5	.95	50				.24	13.5		9'	3.2
90	.8	.48	0	0			0	8.8		11'	0
102	.5	.30	0	0			0	4.0		8'	0
106		LEW, 8,00 P.M.						0		~~8~~ 2'	0
								~~117~~		102	~~171.20~~
								131.7			173.0

Angle coefficient

No. 3 of 3 Sheets, Comp. by RLS Chk. by

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