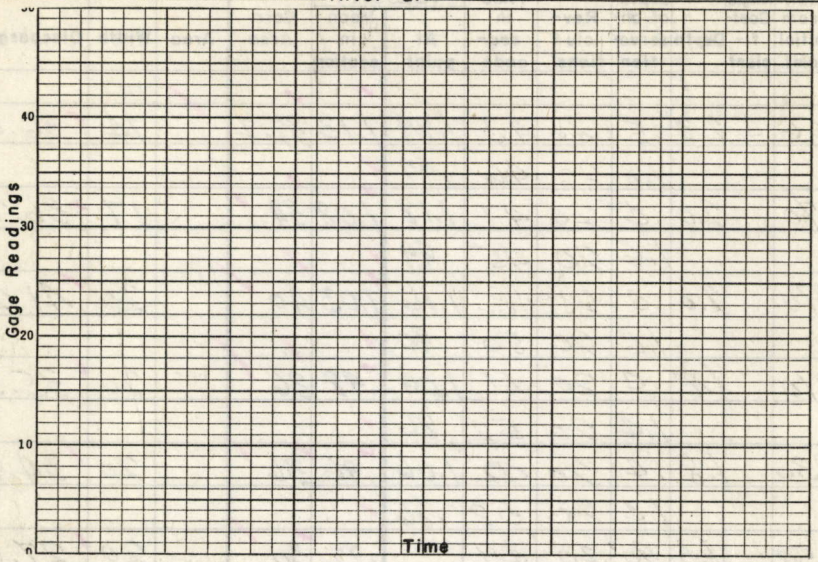
River at



Page ____ of ____

RECORDED

A-34

A=58
W=60
@9:20 am

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Water Resources Branch

DISCHARGE MEASUREMENT NOTES

Meas. No. 382

Checked by RHD

Date 2-26-52

Brazos River at Richmond, Tex.

Date Feb. 20, 1952 Party James N. Sansom

Width 270 Area 606 Vel. 1.09 G.H. ____ Disch. 661

Method: 2-6-8 No. Secs. 23 G.H. Chng. 0 ft. per hr. Time meas. .8 hrs.

Meter No. 3055 Date Rated 8-12-49 Susp. Rod Susp. Coef. 1.00

Method Coef. 1.00 Hor. angle Coef. 1.00 Used rating for, rod Rod Susp.

GAGE READINGS					wwt.
Time	Meas	Recorder	Tape	Inside	Outside
7:50 am		1.27	1.27		1.29
8:30	Start		(1.27)		
9:20	End		(1.27)		
9:45 am			1.27		
~~Weighted~~ MGH			1.27		
GH Corr.					
Correct MGH					

Meter — ft. above bottom of weight

Spin before meas. OK after OK

Wading, cable, ice, boat, upstr., downstr., side bridge 2 feet, mile, above, below gage, and 400' above control

Chain, wire, found 58.70 at ____ G-Sta.

Changed to — at ____

Correct length 58.71

Levels Obtained No

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

Cross section fairly uniform-sand & gravel

Flow Fairly smooth Weather clear-windy

Other —

Gage OK

Record removed No Intakes flushed No

Pencil 3B Wt. Adj. No Paper Dry

Record clear Chart time OK Clock Reg. No

Observer Not seen

Control appears to have scoured a little since last visit

Remarks Need new lock on WW Gage-
No evidence of gravel pit at control being worked since last visit.

Page 1 of 3 G.H. of zero flow Not det. ft.

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 section	Corr. Area	Area	Width	Discharge
REW @ 8:30 am 400' above control # 3055 Gentle Ups.											
2		0	Est V=0				0	0		1	0
4	⊥	.4	.16	7	49		.34	1.6		4	.5
10	⊥	2.7	.5	20	45	.99	.92	21.6		8	19.9
			2.2	15	40	.84					
20		3.3	.7	20	40	1.12	1.06	33.0		10	35.0
			2.6	20	45	.99					
30		3.2	.6	25	40	1.39	1.32	32		10	42.2
			2.6	25	45	1.24					
40		3.2	.6	30	49	1.36	1.26	32		10	40.3
			2.6	25	48	1.16					
50		3.2	.6	25	43	1.29	1.18	32		10	37.8
			2.6	20	42	1.06					
60		3.4	.7	30	48	1.39	1.19	34		10	40.5
			2.7	20	45	.99					
70		3.2	.6	25	42	1.32	1.19	32		10	38.1
			2.6	20	42	1.06					
80		3.0	.6	20	40	1.12	1.04	30		10	31.2
			2.4	20	46	.97					
90		2.8	.6	25	42	1.32	1.22	28		10	34.2
			2.2	20	40	1.12					
100		2.4	.5	20	43	1.04	1.00	28.8		12	28.8
			1.9	20	47	.95					
114		2.0	.4	25	43	1.29	1.13	28		14	31.6
			1.6	20	46	.97					
128		2.2	.4	25	42	1.32	1.14	30.8		14	35.1
			1.8	20	47	.95					
142		2.1	.4	25	43	1.29	1.14	29.4		14	33.5
			1.7	20	45	.99				147	

Page 2 of 3 Comp. by: JNS Checked by: RHD

Dist. from initial point	Angle Coefficient	Depth	Depth of observation	Revolutions	Time in seconds	VELOCITY At point	VELOCITY Mean in section	Corr. Area	Area	Width	Discharge
										147	
156	⊥	2.3	.5	25	43	1.29	1.13	32.2		14	36.4
			1.8	20	46	.97					
170		2.0	.4	25	47	1.18	1.08	34		17	36.7
			1.6	20	45	.99					
190		2.0	.4	25	48	1.16	1.03	40		20	41.2
			1.6	20	50	.90					
210		1.8	.4	20	41	1.09	.98	36		20	35.3
			1.4	20	52	.86					
230		1.8	.4	20	42	1.06	.96	36		20	34.6
			1.4	20	52	.86					
250		1.5	.90	20	49		.92	30		20	27.6
270		.4	.16	3	40		.19	4.4		11	.8
272		0	Est V=0				0	0		1	0
LEW @ 9:20 am								605.8		270	661.3
A 56 W 60											
TG = 1.27 @ 9:45 am											

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