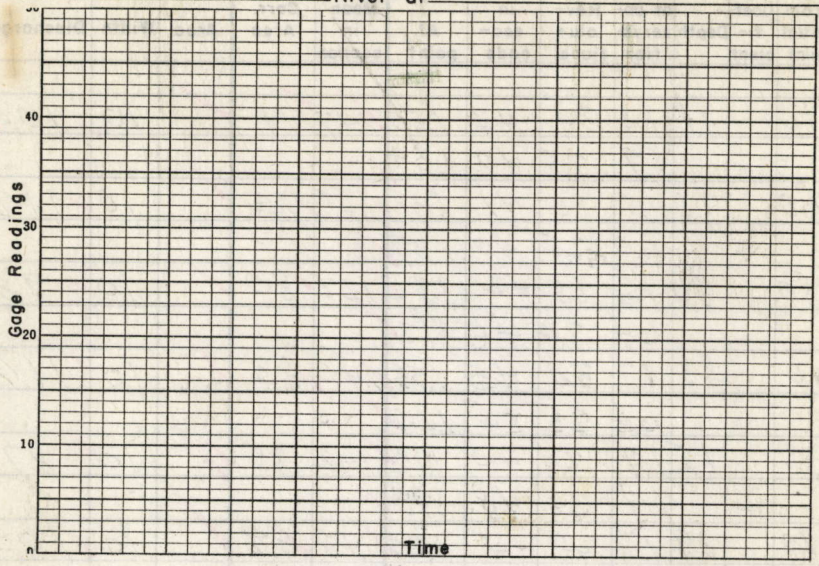
River at _____



A block has been put on the W.W.T. case

Saw Mr Butler former USWB observer. Mr Butler is sick so he resigned and Mr Wright who works for the Water Dept City of Richmond has been hired by U.S.W.B. of Houston, Tex. Was unable to contact Mr Wright

A-34 RECORDER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Water Resources Branch

Meas. No. 386
Checked by [illegible]
Date 5/19/52

Water temp. 80 °F
Air temp. 80 °F
Time 12:00 M

DISCHARGE MEASUREMENT NOTES

Brazos River at Richmond Tex

Date May 9, 1952 Party Smith & Dolapan

Width 276 Area 1620 Vel. 1.30 G.H. _____ Disch. 2110

Method 6-2-8 No. Secs. 26 G.H. Chng. -.02 ft. per hr. Time meas. 1 3 hrs.

Meter No. 1949 Date Rated 11-5-51 Susp. 30C5 Susp. Coef. 1005

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

GAGE READINGS					
Time	Meas	Recorder	Tape	Inside	Outside
			W	WT	3.86
9.38	AM	3.86	3.84		
9.39		3.84	3.84	3.85	3.84
1000		3.84	3.84		
1035	S		(383)		
1155	F		(381)		
12:15	PM	3.80	3.80	3.81	3.82
Weighted MGH			3.82		
GH Corr.					
Correct MGH					

Meter 0.5 ft. above bottom of weight

Spin before meas. OK after OK

Wading, cable, ice, boat, upstr., downstr., side bridge 2.75 feet, mile, above, below gage, and _____

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

Changed to _____ at _____

Correct length 58.68

Levels Obtained _____

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

Cross section _____

Flow Smooth Weather Fair - Windy

Other _____

Gage Ink from pen wet paper, pencil cut through paper

Record removed Yes Intakes flushed No

Pencil Tuv g 48 Wt. Adj. _____ Paper Wet - ink smears

Record Not Clear Chart time 1 & 30 M F Clock Reg. No

Observer See page 4

Control Probably sandbar 6000' below gage

Remarks Peak stage indicator found at 14.55

G.H. of zero flow _____ ft.

River at _____

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
LE	W	at	10:35	AM							
350		0		✓	= 0			0 ✓		10 ✓	0
330		1.3	0.8	7	41		.39 ✓	23		17½ ✓	9 ✓
315		2.8	0.6	20	55	.82	.80 ✓	42 ✓		15 ✓	34 ✓
			2.2	15	44	.77					
300		4.2	0.8	25	46	1.21	1.12 ✓	63 ✓		15 ✓	71 ✓
			3.4	20	43	1.04					
285		5.2	1.0	30	49	1.36	1.24 ✓	78 ✓		15 ✓	97 ✓
			4.2	20	40	1.12					
270		5.6	1.1	30	46	1.45	1.37 ✓	70 ✓		12½ ✓	96 ✓
			4.5	25	43	1.29					
260		5.6	1.1	30	45	1.48	1.30 ✓	56 ✓		10 ✓	73 ✓
			4.5	20	40	1.12					
250		5.6	1.1	30	43	1.55	1.40 ✓	56 ✓		10 ✓	78 ✓
			4.5	25	44	1.26					
240		5.6	4.5	25	42	1.32	1.45 ✓	56 ✓		10 ✓	81 ✓
			1.1	30	42	1.58					
230		5.6	1.1	30	40	1.66	1.52 ✓	56 ✓		10 ✓	85 ✓
			4.5	25	40	1.39					
220		6.0	1.2	30	40	1.66	1.57 ✓	60 ✓		10 ✓	94 ✓
			4.8	30	45	1.48					
210		6.4	1.3	30	41	1.62	1.47 ✓	64 ✓		10 ✓	94 ✓
			5.1	25	42	1.32					
200		6.6	1.3	40	50	1.77	1.58 ✓	66 ✓		10 ✓	104 ✓
			5.3	25	40	1.39					
190		6.6	1.3	30	41	1.62	1.47 ✓	66 ✓		10 ✓	97 ✓
			5.3	25	42	1.32					
180		7.0	1.4	40	50	1.77	1.58 ✓	70 ✓		10 ✓	110 ✓
			5.6	25	40	1.39					

Page 2 of 4 Comp. by: RHD Checked by: _____

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
170		7.1	1.4	30	43	1.55 ✓	1.47 ✓	71 ✓		10 ✓	104 ✓
			5.7	25	40	1.39 ✓					
160		7.5	1.5	30	41	1.62 ✓	1.50 ✓	75 ✓		10 ✓	112 ✓
			6.0	25	40	1.39 ✓					
150		8.0	1.6	25	42	1.32 ✓	1.22 ✓	80 ✓		10 ✓	98 ✓
			6.4	20	40	1.12 ✓					
140		8.3	1.7	30	43	1.55 ✓	1.40 ✓	83 ✓		10 ✓	116 ✓
			6.6	25	45	1.24 ✓					
130		8.5	1.7	20	40	1.12 ✓	1.02 ✓	85 ✓		10 ✓	87 ✓
			6.8	20	48	.93 ✓					
120		8.9	1.8	25	45	1.24 ✓	1.18 ✓	89 ✓		10 ✓	105 ✓
			7.1	20	40	1.12 ✓					
110		8.8	1.8	25	46	1.21 ✓	1.22 ✓	88 ✓		10 ✓	107 ✓
			7.0	25	45	1.24 ✓					
100		9.0	1.8	25	42	1.32 ✓	1.22 ✓	90 ✓		10 ✓	110 ✓
			7.2	20	40	1.12 ✓					
90		8.7	1.7	25	45	1.24 ✓	1.15 ✓	78 ✓		9 ✓	90 ✓
			7.0	20	42	1.06 ✓					
82		6.7	1.3	20	44	1.02 ✓	.85 ✓	54 ✓		8 ✓	46 ✓
			5.4	15	50	.68 ✓					
74		0		✓	0		0 ✓	0 ✓		4 ✓	0 ✓
	REW	at	11:55	AM				1619 ✓		276 ✓	2099 ✓
											1005 ✓
											2104 ✓

Page 3 of 4 Comp. by: RHD Checked by: _____