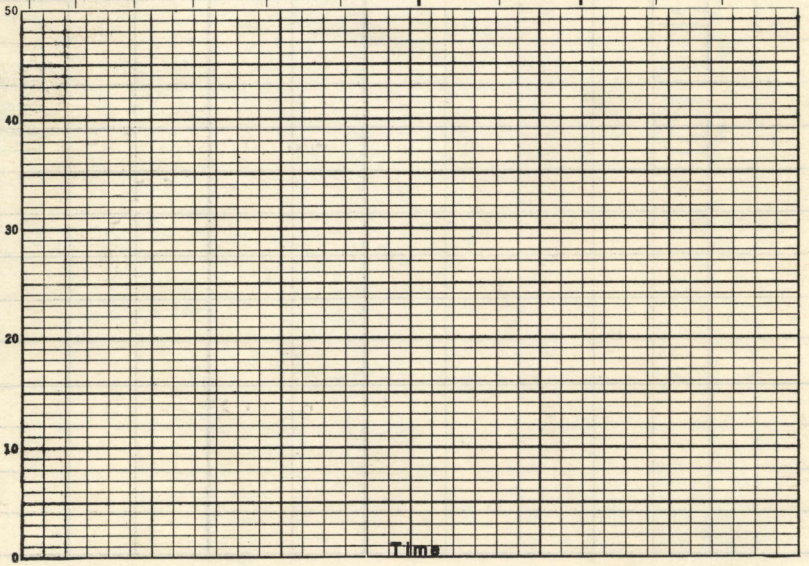
80. River at

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
85.											
90.											
92.											
94.											
96.											
97.											
98.											
99.											
99.											
98.											
97.											



75.

Page ___ of ___ Comp. by: _____ Checked by: _____

C5

A-34 RECORDED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Water Resources Branch

DISCHARGE MEASUREMENT NOTES

Meas. No. 500

Checked by W.R.P.

Date Nov. 30, 1956

Water temp. 52 °F

Air temp. ____ °F

Time ____

Brazos River at Richmond, Tex.

Date Nov. 28, 19 56 Party Sauer & Pope

Width 263 Area 1160 Vel. 0.79 G.H. ____ Disch. 911

Method 6.2.2 No. Secs. 23 G.H. Chng. .00 ft. per hr. Time meas. 1.1 hrs.

Meter No. 2833 Date Rated 3-22-49 Susp. 30 C.S. Susp. Coef. 1.005

Method Coef. 1.00 Hor. angle Coef. 1 Used rating for, rod S Susp.

Meter 0.5 ft. above bottom of weight

Spin before meas. OK after OK

Wading, cable, ice, boat, upstr., downstr., side bridge 150 feet, mile, above, below gage, and ____

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

Changed to ____ at ____

Correct length ____

Levels Obtained ____

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

Cross section uniform

GAGE READINGS

Time	Meas	Recorder	Tape	Inside	Outside
10:35	a.m.		1.26	1.27	1.24
				*	
10:55	a.m.	1.26	126	1.27	1.24
11:32	a.m. (S)		(1.26)		
12:40	p.m. (E)		(1.27)		
	W. WT = 1.26 @ 1:00 p.m.				
12:55	pm	1.27	1.27		
Weighted MGH			1.26		
GH Corr.					
Correct MGH					

Flow smooth Weather warm

Other ____

Gage * IG = 7.00 − (4.74 + .99) = 1.27

OG = 3.00 − 1.76 = 1.24

Record removed Yes Intakes flushed NO

Pencil None Wt. Adj. NO Paper dry

Record clear Chart time O.K. Clock Reg. No

Observer ____

Control ____

Remarks Max. & Min. ind. reset to 1.3

Page 1 of 3

G.H. of zero flow ____ 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
		LEW @	11:32			L.W.					
435		0					0	0		2½	0
430		.6	.36	5	42		.29	4.5		7½	1.3
		1.2									
420		1.6	1.0	10	44		.52	16.0		10	8.3
410		2.5	.5	15	48	.71	.64	25.0		10	16.0
			2.0	10	41	.56					
400		3.0	.6	15	42	.81	.74	30.0		10	22.5
400			2.4	15	52	.66					
390		3.3	.66	15	40	.85	.72	33.0		10	23.7
			2.64	15	58	.59					
380		3.1	.62	20	48	.94	.86	31.0		10	26.6
			2.48	15	44	.78					
370		3.6	.72	20	49	.92	.81	36.0		10	29.2
			2.88	15	49	.70					
360		4.0	.8	20	45	1.01	.88	40.0		10	35.2
			3.2	15	45	.76					
350		3.7	.74	20	46	.98	.93	37.0		10	34.4
			2.96	20	51	.89					
340		4.2	.84	20	48	.94	.88	52.5		12½	46.2
			3.36	15	41	.83					
325		4.3	.86	20	42	1.08	.96	64.5		15	61.9
			3.44	15	40	.85					
310		4.3	.86	20	44	1.03	.95	64.5		15	61.2
			3.44	20	52	.87					
295		4.6	.92	20	43	1.05	.98	69.0		15	67.6
			3.68	20	50	.90					
280		4.8	.96	20	47	.91	.90	72.0		15	64.8
			3.84	15	40	.85		595.0			499.1

Page 2 of 3 Comp. by: VBS Checked by: W.R.P.

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
								575.0			499.1
265		5.3	1.06	15	40	.85	.83	79.5		15	66.0
			4.24	15	42	.81					
250		6.1	1.22	15	42	.81	.70	91.5		15	64.0
			4.88	10	40	.58					
235		6.8	1.36	15	44	.78	.74	102.0		15	75.5
			5.44	15	48	.71					
220		6.6	1.32	15	42	.81	.74	99.0		15	73.2
			5.28	15	50	.68					
205		6.5	1.3	15	42	.81	.66	97.5		15	64.3
			5.2	10	45	.51					
190		6.6	1.32	15	52	.66	.60	82.5		12½	49.5
			5.28	15	65	.53					
180		3.8	.76	10	45	.51	.45	34.2		9	15.4
435			3.04	7	42	.39					
172		0					0	0		4	
263			REW @		12:40	P.M.					
								1161.2		263	906.2
											X1.005
											910.7

Page 3 of 3 Comp. by: VBS Checked by: W.R.P.