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VOLUME II

PART III

GROUND-WATER RESOURCES OF THE SAN ANTONIO AREA, TEXAS

WATER LEVELS IN WELLS, CHEMICAL ANALYSES OF WATER, RECORDS OF
STREAM FLOW AND RESERVOIR CONTENTS, DISCHARGE MEASUREMENTS,
AND PRECIPITATION IN THE SAN ANTONIO AREA, TEXAS

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United States Department of the Interior
and the
City of San Antonio

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C O N T E N T S

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ILLUSTRATION

Plate 12. Map of San Antonio area, Texas, showing locations of wells

In pocket
Volume II
Part I

GROUND-WATER RESOURCES OF THE SAN ANTONIO AREA, TEXAS

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PART III

WATER LEVELS IN WELLS, CHEMICAL ANALYSES OF WATER, RECORDS OF STREAM FLOW AND RESERVOIR CONTENTS, DISCHARGE MEASUREMENTS, AND PRECIPITATION IN THE SAN ANTONIO AREA, TEXAS

INTRODUCTION

This publication constitutes Part 3 of the second volume of a report on the ground-water resources of the San Antonio area in Texas, prepared by the Ground Water Branch of the United States Geological Survey in cooperation with the Texas Board of Water Engineers and the city of San Antonio. The San Antonio area, as used in this report, includes the parts of Kinney, Uvalde, Medina, Bexar, Comal, and Hays Counties that lie within and adjacent to the Balcones fault zone. The boundaries of the area coincide with the boundaries of the underground reservoir that supplies ground water to the city of San Antonio.

The water-level data and samples for chemical analyses were collected by many individuals during a long period of time. Most of the analyses of the water samples were made in the laboratories of the Quality of Water Branch of the Geological Survey in Washington, D. C., and Austin, Texas. Some of the samples collected before 1942 were analysed at The University of Texas, Bureau of Industrial Chemistry. Records of stream flow, reservoir contents, and discharge measurements were made by the Surface Water Branch of the Geological Survey in Austin.

The other parts of the report contain the text discussing the geology and ground-water resources of the area (Volume I), records of wells and springs (Volume II, part 1), and records of drillers' logs (Volume II, part 2).

Location of the wells for which water levels and chemical analyses are given in the following tables are shown on the map enclosed in the pocket of Volume II, part 1. Stream-gaging stations and precipitation stations are shown on figure 1 of Volume I.

Water levels in wells in Kinney County, Texas

Date	Water level	Date	Water level	Date	Water level
Well 40					
Owner: N. P. Petersen. Altitude of land surface: 1,392.6 feet.					
June 16, 1938	229.96	Mar. 16, 1952	239.90	Aug. 23, 1954	219.31
Jan. 9, 1951	236.06	Sept. 13	236.09		
Well 41					
Owner: N. P. Petersen. Altitude of land surface: 1,319.6 feet.					
June 15, 1938	177.73	Sept. 19, 1940	177.96	Dec. 7, 1950	179.11
Apr. 11, 1939	177.80	Oct. 22	176.08	May 15, 1951	178.00
May 6	179.10	Jan. 22, 1941	176.78	Aug. 15	176.24
June 13	179.80	May 27	176.72	Dec. 19	178.27
July 8	176.94	Aug. 13	176.62	Mar. 15, 1952	176.36
Aug. 12	178.10	Nov. 13	176.10	Aug. 7	178.93
Sept. 16	175.79	Apr. 7, 1942	176.95	Sept. 13	176.46
Oct. 24	175.78	Aug. 5	177.90	Dec. 4	179.64
Dec. 2	178.88	Dec. 1	177.71	Apr. 7, 1953	177.54
Jan. 25, 1940	175.89	Apr. 27, 1943	180.99	Aug. 11	180.97
Feb. 22	176.58	Apr. 3, 1946	180.45	Nov. 19	179.10
Feb. 23	175.84	Nov. 6, 1947	175.38	Apr. 13, 1954	180.99
Mar. 20	176.10	Apr. 22, 1948	176.05	June 2	177.86
Apr. 25	176.13	Aug. 10	178.16	July 14	174.90
May 22	175.77	Aug. 28, 1949	173.55	July 22	178.08
June 19	175.77	Apr. 5, 1950	175.24	Aug. 23	176.88
Aug. 21	176.04	Aug. 9	175.65		
Well 42					
Owner: N. P. Petersen. Altitude of land surface: 1,367.3 feet.					
June 16, 1938	175.73	Mar. 15, 1952	202.94	Aug. 23, 1954	198.19
Jan. 9, 1951	202.24	Sept. 13	203.69		
Well 43					
Owner: Nolan & Postell. Altitude of land surface: 1,366.6 feet.					
June 13, 1938	174.87	Mar. 15, 1952	183.44	Aug. 24, 1954	174.47
Jan. 9, 1951	181.40	Sept. 12	182.91		

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 44					
Owner: Nolan & Postell.	Altitude of land surface: 1,352.4 feet.				
June 14, 1938	166.99	June 13, 1939	170.70	July 15, 1939	170.20
Apr. 11, 1939	170.29	July 8	171.47	Apr. 27, 1943	180.66
Well 46					
Owner: Nolan & Postell.	Altitude of land surface: 1,407.3 feet.				
Jan. 27, 1940	190.65	Dec. 1, 1942	188.56	May 15, 1951	221.74
Feb. 22	190.36	Apr. 3, 1946	194.55	Aug. 15	214.95
Feb. 23	190.36	June 24, 1947	195.02	Dec. 19	222.09
Mar. 20	191.55	Nov. 6	189.73	Mar. 15, 1952	222.95
Apr. 25	191.55	Apr. 22, 1948	190.12	Dec. 4	*217.25
May 22	190.03	Aug. 10	197.10	Apr. 7, 1953	*216.94
July 24	189.13	Jan. 9, 1949	196.00	Nov. 19	*215.91
Aug. 21	190.96	Apr. 14	187.00	Apr. 13, 1954	*216.83
Oct. 22	192.76	Aug. 28	182.25	June 2	*214.13
Dec. 3	192.06	Dec. 20	189.22	July 14	*210.83
Jan. 21, 1941	191.22	Apr. 5, 1950	195.01	July 22	*212.82
May 27	189.16	Aug. 9	200.49	Aug. 24	*232.81
Nov. 13	190.73	Dec. 7	191.19	Nov. 10	*214.77
Well 47					
Owner: Nolan & Postell.	Altitude of land surface: 1,483.5 feet.				
June 13, 1938	194.18	Mar. 16, 1952	201.50	Aug. 24, 1954	193.44
Jan. 10, 1951	178.19	Sept. 13	199.09		
Well 49					
Owner: Nolan & Postell.	Altitude of land surface: 1,467.8 feet.				
Jan. 10, 1951	230.19	Sept. 13, 1952	243.86	Aug. 24, 1954	220
Mar. 16, 1952	236.05				

* Water levels of an adjacent well adjusted to this well.

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 52					
Owner: N. P. Petersen.	Altitude of land surface: 1,415.8 feet.				
June 15, 1938	224.81	Mar. 16, 1952	237.1	Aug. 23, 1954	221.40
Jan. 12, 1951	230.0	Sept. 13	228.82		
Well 53					
Owner: E. Webb.	Altitude of land surface: 1,342.0 feet.				
Jan. 10, 1940	146.77	Mar. 14, 1952	185.40	Aug. 23, 1954	145.02
Jan. 12, 1951	175.44	Sept. 13	204		
Well 54					
Owner: E. Webb.	Altitude of land surface: 1,401.3 feet.				
Apr. 13, 1938	187.08	Apr. 25, 1940	196.14	Apr. 3, 1946	204.05
Jan. 23, 1939	191.70	May 22	189.74	July 1, 1947	174.21
May 1	205.80	June 18	190.29	Nov. 6	190.88
June 13	208.10	June 19	190.58	Jan. 12, 1951	202.14
July 8	201.50	July 24	184.04	Mar. 15, 1952	203.15
July 15	194.72	Aug. 21	190.15	Dec. 4	205.59
Aug. 12	180.98	Sept. 19	195.38	Apr. 7, 1953	205.83
Sept. 15	183.93	Oct. 23	197.74	Apr. 13, 1954	213.88
Oct. 24	183.68	Dec. 3	199.82	June 2	185.24
Dec. 2	181.55	Jan. 22, 1941	200.80	July 14	170.66
Jan. 10, 1940	188.40	May 28	187.52	July 22	169.76
Feb. 22	194.88	Nov. 13	192.25	Aug. 23	170.63
Feb. 23	294.93	Aug. 29, 1943	202.14		
Mar. 19	196.83	June 5, 1945	202.22		
Well 62					
Owner: E. Webb.	Altitude of land surface: 1,255.2 feet.				
Apr. 13, 1938	62.91	July 8, 1939	68.45	Oct. 24, 1939	64.85
Apr. 11, 1939	67.02	July 15	67.35	Dec. 2	64.33
May 1	67.46	Aug. 11	64.87	Jan. 9, 1940	64.67
June 13	68.04	Sept. 14	64.80	Jan. 25	65.22
(Continued on next page)					

Water levels in wells in Kinney County- Continued

Date	Water level	Date	Water level	Date	Water level
Well 62--Continued					
Feb. 22, 1940	66.10	Apr. 27, 1943	67.83	Apr. 5, 1950	66.25
Feb. 22	66.09	Aug. 29	67.44	Aug. 10	68.26
Feb. 23	66.12	Dec. 17	66.82	Dec. 7	69.39
Mar. 20	66.81	May 2, 1944	65.03	May 14, 1951	69.90
Apr. 24	66.31	Aug. 17	66.37	Aug. 15	70.57
May 22	66.10	Dec. 22	67.22	Dec. 19	68.81
June 19	65.23	June 5, 1945	68.81	Mar. 14, 1952	70.33
Sept. 19	66.33	Apr. 2, 1946	70.64	Aug. 7	66.16
Oct. 22	67.19	June 24, 1947	62.10	Apr. 7, 1953	70.68
Dec. 3	68.02	Nov. 6	64.45	Aug. 11	71.79
Jan. 22, 1941	68.63	Apr. 21, 1948	68.55	Nov. 19	67.19
May 27	65.43	Aug. 10	64.96	Apr. 13, 1954	70.10
Aug. 12	66.08	Jan. 9, 1949	69.00	June 2	66.96
Nov. 13	65.69	Mar. 8	63.10	July 14	64.61
Apr. 7, 1942	68.86	Apr. 14	62.02	July 22	62.44
Aug. 5	69.83	Aug. 28	62.93	Aug. 23	61.36
Dec. 1	65.41	Dec. 20	62.53	Nov. 10	62.13

Well 63

Owner: J. D. Harwood. Altitude of land surface: 1,358.9 feet.

Apr. 13, 1938	112.55	Sept. 19, 1940	135.50	Aug. 28, 1949	100.82
Feb. 22, 1939	133.75	Oct. 23	137.22	Dec. 20	112.86
Apr. 11	136.30	Dec. 3	138.28	Apr. 5, 1950	135.25
May 1	136.70	Jan. 22, 1941	122.23	Aug. 10	136.90
June 13	137.92	Aug. 12	*115.79	Dec. 12	136.26
July 8	138.25	Nov. 13	120.26	May 15, 1951	140.00
July 15	138.15	Apr. 7, 1942	138.41	Aug. 15	141.16
Aug. 11	127.41	Aug. 5	140.04	Dec. 19	139.18
Sept. 14	130.49	Dec. 1	133.83	Mar. 14, 1952	141.55
Oct. 24	125.45	Apr. 27, 1943	138.66	Aug. 7	131.92
Nov. 28	132.88	Aug. 29	135.08	Sept. 13	135.15
Dec. 2	133.14	Dec. 17	111.27	Dec. 4	139.09
Jan. 9, 1940	134.60	May 2, 1944	109.08	Apr. 7, 1953	141.32
Jan. 25	135.63	Aug. 17	112.28	Aug. 11	142.07
Feb. 22	136.63	June 5, 1945	138.96	Nov. 19	134.53
Feb. 22	136.49	Apr. 2, 1946	141.64	Apr. 13, 1954	140.93
Feb. 23	136.49	June 24, 1947	114.38	June 2	124.25
Mar. 20	137.55	Nov. 6	132.12	July 14	98.68
Apr. 25	135.66	Apr. 21, 1948	139.14	July 22	100.39
May 21	135.34	Aug. 10	128.26	Aug. 23	105.45
May 22	135.10	Jan. 9, 1949	139.37	Nov. 10	111.72
July 24	120.98	Mar. 8	94.27		
Aug. 21	131.90	Apr. 15	98.32		

* Well pumping at time of measurement.

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 68					
Owner: S. M. Harwood. Altitude of land surface: 1,408.7 feet.					
Apr. 14, 1938	169.23	Sept. 13, 1952	177.25	Aug. 23, 1954	167.9
Mar. 14, 1952	180.98				
Well 89					
Owner: Mac L. Weathersbee. Altitude of land surface: 1,117.6 feet.					
Apr. 20, 1938	49.42	Mar. 14, 1952	70.12	Aug. 23, 1954	58.80
Jan. 4, 1951	61.83	Sept. 12	69.18		
Well 90					
Owner: Mac L. Weathersbee. Altitude of land surface: 1,103.7 feet.					
Aug. 20, 1937	63.43	Jan. 4, 1940	59.12	Mar. 8, 1949	57.42
Sept. 26	60.09	Feb. 23	58.59	Apr. 14	57.31
Oct. 22	59.98	Mar. 19	57.50	Aug. 27	58.88
Nov. 11	60.05	Apr. 24	62.24	Dec. 20	62.67
Dec. 12	59.35	May 21	58.41	Apr. 5, 1950	62.77
Jan. 18, 1938	59.50	June 18	59.48	Aug. 10	63.19
Feb. 24	60.12	July 23	58.59	Dec. 7	64.65
Mar. 21	61.50	Aug. 21	59.31	Jan. 4, 1951	63.10
Apr. 23	59.55	Dec. 3	60.89	May 15	63.27
May 26	64.23	Jan. 21, 1941	61.05	Aug. 15	70.66
June 29	64.86	May 27	62.43	Dec. 19	63.10
July 28	59.33	Aug. 12	62.43	Mar. 14, 1952	64.50
Aug. 24	64.81	Apr. 7, 1942	66.48	Aug. 7	62.01
Sept. 18	57.74	Dec. 1	64.03	Sept. 12	64.38
Oct. 28	57.66	Aug. 30, 1943	60.23	Dec. 3	65.07
Dec. 10	58.51	Dec. 17	58.31	Apr. 7, 1953	64.23
Jan. 26, 1939	56.41	May 3, 1944	60.70	Aug. 11	67.57
Mar. 1	58.22	Aug. 18	63.81	Nov. 18	62.48
Apr. 1	61.74	Dec. 23	63.26	Apr. 12, 1954	*71.55
June 7	56.55	June 5, 1945	72.73	June 2	61.97
July 7	61.54	Apr. 2, 1946	68.48	July 13	*62.31
July 15	59.00	June 24, 1947	68.02	July 22	59.07
Aug. 14	*57.65	Nov. 4	64.88	Aug. 23	61.82
Sept. 14	58.80	Apr. 20, 1948	64.00	Nov. 10	58.38
Nov. 3	58.58	Aug. 10	62.52		
Dec. 4	59.77	Jan. 8, 1949	*68.27		

*Well pumping at time of measurement.

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 101					
Owner: J. F. Beidler. Altitude of land surface: 1,105.2 feet.					
Aug. 20, 1937	18.27	Feb. 23, 1940	24.24	Nov. 4, 1947	7.15
Sept. 26	18.90	Mar. 19	26.33	Apr. 20, 1948	8.11
Oct. 23	18.44	Apr. 24	26.22	Aug. 10	17.42
Nov. 17	17.92	May 21	22.98	Mar. 8, 1949	15.75
Dec. 18	19.09	June 18	23.21	Apr. 14	14.11
Jan. 18, 1938	17.79	July 23	24.10	Aug. 27	13.57
Feb. 24	18.44	Aug. 21	23.47	Dec. 20	11.41
Mar. 22	22.21	Sept. 19	22.65	Apr. 5, 1950	27.56
Apr. 23	19.92	Oct. 22	21.65	Aug. 10	29.75
May 26	27.03	Dec. 3	21.12	Dec. 7	30.37
June 29	27.96	Jan. 21, 1941	19.85	Jan. 4, 1951	25.07
July 28	27.63	May 27	20.57	May 15	31.45
Aug. 24	21.32	Aug. 12	18.94	Aug. 14	32.61
Sept. 18	18.74	Nov. 13	18.47	Dec. 19	30.74
Oct. 28	17.81	Apr. 7, 1942	22.05	Mar. 13, 1952	35.43
Jan. 26, 1939	16.08	Aug. 5	24.74	Aug. 7	36.17
Mar. 1	21.81	Dec. 1	22.40	Sept. 12	39.17
Apr. 1	25.41	Apr. 27, 1943	17.90	Apr. 7, 1953	33.38
June 7	27.70	Aug. 30	19.17	Aug. 11	40.31
July 8	28.42	Dec. 17	18.33	Nov. 18	26.28
July 22	28.12	May 3, 1944	15.54	Apr. 12, 1954	37.46
Aug. 14	26.96	Aug. 18	15.20	June 1	28.64
Sept. 14	26.65	Dec. 23	15.34	July 13	33.69
Nov. 10	*24.25	June 5, 1945	17.92	July 22	34.77
Dec. 4	23.04	Apr. 2, 1946	23.61	Aug. 23	37.45
Jan. 5, 1940	23.34	June 24, 1947	5.37	Nov. 10	29.47
Well 111					
Owner: J. F. Beidler.					
Aug. 19, 1937	29.85	May 26, 1938	26.67	May 1, 1939	27.93
Sept. 25	29.98	July 28	26.99	June 7	28.27
Oct. 23	29.62	Aug. 24	27.02	July 8	29.12
Nov. 20	28.97	Sept. 18	26.94	Aug. 14	28.02
Dec. 18	28.41	Oct. 28	19.58	Sept. 14	28.18
Jan. 18, 1938	27.21	Dec. 10	23.96	Nov. 15	27.31
Feb. 24	26.76	Jan. 26, 1939	26.91	Dec. 5	27.01
Mar. 21	26.65	Mar. 1	27.45	Feb. 22, 1940	26.62
Apr. 23	26.61	Apr. 1	27.10	Mar. 19	26.56

(Continued on next page)

*Well pumping at time of measurement.

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 111--Continued					
Apr. 24, 1940	26.68	Dec. 17, 1943	26.92	Apr. 5, 1950	26.63
May 21	27.14	May 2, 1944	26.64	Aug. 10	28.46
June 18	27.18	Aug. 17	28.17	Dec. 7	27.89
July 23	27.02	Dec. 12	26.61	May 15, 1951	28.67
Aug. 21	26.88	June 5, 1945	28.27	Aug. 14	32.46
Sept. 19	27.06	Apr. 2, 1946	32.14	Dec. 19	32.22
Oct. 22	27.54	June 24, 1947	27.26	Mar. 13, 1952	32.39
Dec. 3	27.24	Nov. 4	26.83	Aug. 7	31.27
Jan. 21, 1941	27.06	Apr. 21, 1948	27.27	Sept. 12	35.39
May 27	27.56	Aug. 10	27.21	Apr. 7, 1953	31.49
Aug. 12	27.75	Jan. 8, 1949	27.36	Aug. 11	39.06
Nov. 13	27.19	Mar. 8	26.27	Nov. 18	35.47
Apr. 7, 1942	27.09	Apr. 14	26.27	Apr. 12, 1954	29.87
Aug. 5	31.29	Aug. 27	26.67	July 13	28.82
Dec. 1	29.35	Dec. 20	26.11	Nov. 10	27.60

Well 120					
Owner: Chas. Zinsmeister. Altitude of land surface: 1,113.7 feet.					
Nov. 29, 1938	38.74	Jan. 21, 1941	45.15	Aug. 27, 1949	38.63
Jan. 26, 1939	42.17	May 27	46.60	Dec. 20	37.86
Apr. 1	44.69	Nov. 13	45.16	Aug. 10, 1950	44.66
June 7	45.31	Apr. 7, 1942	45.37	Dec. 7	46.45
July 7	46.32	Aug. 5	46.38	Jan. 4, 1951	44.90
Aug. 14	44.62	Dec. 1	44.89	May 15	46.75
Sept. 13	42.57	Apr. 27, 1943	44.24	Aug. 14	54.18
Nov. 8	41.25	Dec. 17	44.34	Dec. 19	45.38
Dec. 5	40.75	May 2, 1944	43.92	Mar. 13, 1952	45.54
Jan. 15, 1940	39.98	Aug. 17	43.81	Aug. 7	44.50
Feb. 23	41.48	Dec. 22	44.71	Dec. 3	45.50
Mar. 19	44.57	June 5, 1945	45.55	Apr. 7, 1953	45.65
Apr. 24	44.49	Apr. 2, 1946	46.30	Aug. 11	47.89
May 21	44.48	June 24, 1947	37.50	Nov. 18	44.60
June 18	45.08	Nov. 5	39.27	Apr. 12, 1954	45.46
Aug. 21	39.94	Apr. 22, 1948	50.38	July 14	38.57
Sept. 19	41.19	Jan. 9, 1949	45.53	July 22	38.20
Oct. 22	43.90	Mar. 9	43.21	Nov. 10	37.40
Dec. 3	44.97	Apr. 14	37.95		

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 128					
Owner: C. J. Poehler.					
Aug. 20, 1937	38.61	Jan. 15, 1940	37.07	Apr. 2, 1946	43.83
Sept. 25	40.58	Feb. 23	36.75	Nov. 5, 1947	35.09
Oct. 23	41.27	Mar. 19	37.26	Apr. 21, 1948	39.48
Nov. 16	41.70	Apr. 24	38.14	Aug. 10	39.11
Jan. 18, 1938	41.09	May 21	38.74	Jan. 9, 1949	40.87
Feb. 24	39.24	June 18	38.42	Aug. 27	35.29
Mar. 21	37.79	July 23	38.09	Dec. 20	34.41
Apr. 23	36.38	Aug. 21	37.23	Apr. 5, 1950	35.98
May 26	34.80	Sept. 19	36.89	Aug. 9	39.77
June 29	35.03	Oct. 22	37.42	Dec. 7	40.92
July 27	35.77	Dec. 3	38.54	May 14, 1951	42.55
Aug. 24	34.17	Jan. 21, 1941	39.87	Aug. 14	42.85
Sept. 18	34.26	May 27	41.34	Dec. 19	42.04
Oct. 28	35.22	Aug. 12	37.71	Mar. 13, 1952	42.47
Dec. 10	34.46	Nov. 13	39.04	Aug. 7	41.37
Jan. 26, 1939	36.49	Apr. 7, 1942	41.66	Sept. 12	41.20
Mar. 1	37.42	Aug. 5	41.43	Dec. 3	42.00
Apr. 1	38.20	Dec. 1	39.22	Apr. 7, 1953	43.11
May 1	39.01	Apr. 27, 1943	39.25	Aug. 11	44.61
June 9	40.06	Aug. 30	38.78	Nov. 18	42.38
July 7	40.84	Dec. 17	36.45	Apr. 13, 1954	40.14
Aug. 14	41.36	May 2, 1944	38.25	July 14	40.01
Sept. 13	41.31	Aug. 17	37.93	July 21	39.64
Nov. 15	38.46	Dec. 22	37.64	Nov. 10	34.33
Dec. 5	37.94	June 5, 1945	41.28		

Well 137

Owner: John Lowrance. Altitude of land surface: 1,149.9 feet.

Nov. 9, 1937	51.84	Aug. 12, 1939	49.87	July 23, 1940	46.92
Oct. 12, 1938	50.39	Sept. 13	50.35	Aug. 21	50.27
Jan. 26, 1939	50.38	Oct. 24	49.99	Sept. 19	50.53
Mar. 1	52.14	Dec. 2	50.12	Oct. 22	50.58
Apr. 1	50.54	Jan. 9, 1940	50.16	Dec. 3	50.55
May 1	50.63	Feb. 23	50.05	Jan. 12, 1941	50.55
June 7	50.64	Mar. 19	50.46	May 27	50.30
July 7	50.69	Apr. 24	50.30	Aug. 12	51.51
July 14	50.40	May 21	49.37	Nov. 13	50.43
July 15	50.36	June 18	49.52	Apr. 7, 1942	50.09

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Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 137--Continued					
Aug. 5, 1942	50.25	Aug. 10, 1948	49.92	Mar. 13, 1952	50.26
Dec. 1	50.15	Jan. 9, 1949	50.44	Aug. 7	50.22
Apr. 27, 1943	50.58	Mar. 9	49.97	Sept. 12	50.42
Aug. 30	51.31	Apr. 14	49.70	Dec. 3	50.54
Dec. 17	50.40	Aug. 27	49.67	Apr. 7, 1953	51.69
May 2, 1944	50.50	Dec. 20	50.01	Aug. 10	54.01
Aug. 17	50.58	Apr. 4, 1950	50.17	Nov. 18	50.43
Dec. 22	50.48	Aug. 9	50.15	Apr. 12, 1954	50.58
June 5, 1945	50.36	Dec. 7	50.22	June 1	50.02
Apr. 2, 1946	50.32	Jan. 4, 1951	50.30	July 13	51.58
June 24, 1947	50.35	May 15	50.31	July 24	49.81
Nov. 5	50.24	Aug. 14	50.38	Aug. 23	49.78
Apr. 21, 1948	50.17	Dec. 19	50.26	Nov. 10	50.05
Well 152					
Owner: E. Webb. Altitude of land surface: 1,137.9 feet.					
Jan. 10, 1939	42.41	Sept. 20, 1940	35.56	Aug. 10, 1948	36.35
Jan. 26	42.17	Sept. 25	35.75	Jan. 9, 1949	43.05
Feb. 2	42.35	Oct. 22	36.50	Mar. 8	38.80
Feb. 22	42.75	Dec. 3	37.21	Apr. 14	37.29
Mar. 1	42.90	Jan. 22, 1941	37.49	Aug. 27	38.65
Mar. 31	42.61	Jan. 23	37.45	Dec. 20	39.25
Apr. 29	42.64	Mar. 24	37.42	Apr. 5, 1950	40.89
June 7	42.70	May 27	34.54	Aug. 9	41.16
July 8	42.85	Aug. 12	34.21	Dec. 7	41.40
July 14	42.66	Nov. 13	36.24	Jan. 10, 1951	41.45
July 15	42.36	Jan. 14, 1942	37.12	May 15	41.63
Aug. 11	39.23	Apr. 7	37.25	Aug. 15	*41.54
Sept. 13	39.49	Aug. 5	38.34	Dec. 19	41.44
Oct. 14	40.30	Dec. 1	36.50	Mar. 14, 1952	42.29
Nov. 14	40.03	Apr. 27, 1943	38.73	Aug. 7	41.30
Dec. 2	40.13	Aug. 29	38.01	Sept. 13	42.06
Dec. 19	40.70	Dec. 17	37.34	Apr. 7	43.48
Jan. 15, 1940	41.22	May 2, 1944	37.14	Aug. 11	42.77
Feb. 23	41.73	Aug. 17	37.59	Nov. 19	*41.49
Mar. 20	41.95	Dec. 22	37.66	Apr. 13, 1954	42.50
Apr. 25	41.13	June 5, 1945	38.43	June 2	*41.22
May 22	39.14	Apr. 2, 1946	37.67	July 14	*39.17
June 18	38.46	June 24, 1947	35.92	July 22	*39.34
July 23	32.53	Nov. 6	35.93	Aug. 23	*39.68
Aug. 21	34.28	Apr. 21, 1948	42.65	Nov. 10	*40.28

*Well pumping at time of measurement.

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 171					
Owner: John Fritter. Altitude of land surface: 1,225.7 feet.					
Feb. 20, 1939	113.60	Feb. 23, 1940	113.53	Dec. 1, 1942	110.56
Aug. 12	115.85	Aug. 21	116.14	Jan. 12, 1951	128.52
Sept. 15	110.25	Oct. 22	111.40	Mar. 14, 1952	114.74
Dec. 2	108.15	Dec. 3	113.87	Sept. 11	125.60
Jan. 10, 1940	111.46	Jan. 22, 1941	115.37		
Well 175					
Owner: John Fritter. Altitude of land surface: 1,238.8 feet.					
Feb. 20, 1939	121.44	Mar. 14, 1942	123.63	Sept. 11, 1952	123.20
Jan. 12, 1941	124.05				
Well 176					
Owner: John Fritter. Altitude of land surface: 1,201.9 feet.					
Feb. 20, 1939	49.40	Mar. 14, 1952	103.51	Sept. 11, 1952	130.90
Jan. 12, 1951	123.80				
Well 177					
Owner: John Fritter.					
Aug. 19, 1937	26.69	Jan. 26, 1939	23.31	June 19, 1940	21.05
Sept. 26	28.61	Mar. 1	24.72	July 24	20.24
Oct. 19	29.62	Apr. 1	26.05	Aug. 22	20.59
Nov. 17	30.19	May 1	27.51	Sept. 25	23.56
Jan. 19, 1938	26.58	June 7	25.80	Oct. 23	25.88
Feb. 25	28.00	July 7	27.82	Dec. 4	26.34
Mar. 22	29.00	Aug. 15	19.75	Jan. 21, 1941	28.43
Apr. 25	20.19	Sept. 12	21.08	May 27	23.55
May 26	19.67	Oct. 24	21.97	Aug. 12	28.50
June 29	22.31	Dec. 6	25.16	Nov. 13	30.94
July 28	17.77	Jan. 15, 1940	27.49	Apr. 7, 1942	34.65
Aug. 24	17.79	Feb. 23	29.07	Aug. 5	31.38
Sept. 21	19.02	Mar. 19	29.90	Dec. 1	31.13
Oct. 28	18.78	Apr. 25	27.89	Apr. 27, 1943	30.59
Dec. 10	21.78	May 21	22.63	Aug. 30	29.81
(Continued on next page)					

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 177--Continued					
Dec. 17, 1943	28.09	Apr. 14, 1949	24.92	Aug. 7, 1952	34.90
May 2, 1944	29.68	Aug. 28	26.13	Dec. 4	38.55
Aug. 17	32.78	Dec. 20	28.40	Apr. 7, 1953	40.03
Dec. 22	32.70	Apr. 4, 1950	30.15	Aug. 11	43.99
June 6, 1945	33.95	Aug. 8	33.72	Nov. 18	33.20
Apr. 2, 1946	37.39	Dec. 7	34.62	Apr. 13, 1954	36.55
June 25, 1947	25.48	May 14, 1951	33.18	July 14	22.99
Nov. 7	26.96	Aug. 14	32.80	July 21	23.65
Apr. 11, 1948	33.48	Dec. 19	33.70	Nov. 11, 1954	26.10
Jan. 8, 1949	36.13	Mar. 13, 1952	35.88		

Well 182

Owner: George Crystall. Altitude of land surface: 1,123.2 feet.

Oct. 13, 1938	70.31	Aug. 22, 1940	73.21	Aug. 28, 1949	78.74
Jan. 1, 1939	70.29	Sept. 25	73.39	Dec. 20	77.44
Jan. 26	70.64	Oct. 23	73.56	Apr. 4, 1950	77.45
Mar. 1	70.45	Dec. 4	73.89	Aug. 8	77.38
Apr. 1	70.65	Jan. 21, 1941	74.35	Dec. 7	78.55
May 1	70.95	May 28	75.68	Jan. 4, 1951	78.91
June 7	71.20	Aug. 12	75.34	May 14	80.37
July 7	71.60	Nov. 13	76.99	Aug. 14	81.09
July 14	71.90	Apr. 7, 1942	77.12	Dec. 19	81.69
July 15	71.87	Aug. 5	78.49	Mar. 13, 1952	82.30
Aug. 12	71.74	Dec. 1	78.58	Aug. 7	83.00
Sept. 12	71.90	Apr. 27, 1943	79.41	Sept. 11	83.21
Oct. 24	71.85	Aug. 29	79.60	Dec. 4	83.80
Dec. 2	72.17	May 3, 1944	80.34	Apr. 7, 1953	83.81
Jan. 9, 1940	72.10	Aug. 18	80.99	Aug. 11	84.86
Jan. 10	72.08	Dec. 22	80.63	Nov. 20	84.86
Feb. 23	72.04	June 6, 1945	81.91	Apr. 12, 1954	85.21
Mar. 19	72.34	Apr. 2, 1946	79.47	June 1	85.12
Apr. 25	72.58	Nov. 6	78.38	July 13	84.87
May 21	72.69	Jan. 8, 1949	81.40	July 21	84.68
June 19	73.12	Mar. 8	80.81	Aug. 24	84.40
July 24	73.16	Apr. 14	80.38	Nov. 10	83.75

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 185					
Owner: N. P. Petersen.	Altitude of land surface: 1,277.9 feet.				
Dec. 16, 1937	202.66	Mar. 15, 1952	219.70	Aug. 24, 1954	208.13
Jan. 9, 1951	212.76	Sept. 11	217.44		
Well 186					
Owner: B. B. Dunbar.	Altitude of land surface: 1,290.0 feet.				
Jan. 9, 1951	225.97	Sept. 11, 1952	232.29	Aug. 24, 1954	221.35
Mar. 15, 1952	233.28				
Well 200					
Owner: B. B. Dunbar.	Altitude of land surface: 1,258.4 feet.				
Dec. 16, 1937	214.56	Mar. 15, 1952	249.30	Aug. 24, 1954	190.30
Jan. 9, 1951	237.49	Sept. 11	245.68		
Well 201					
Owner: B. B. Dunbar.	Altitude of land surface: 1,214.1 feet.				
Dec. 16, 1937	202.41	Mar. 15, 1952	233.16	Aug. 24, 1954	183.49
Jan. 9, 1951	216.97	Sept. 11	231.53		
Well 202					
Owner: Dave Rise,Jr.	Altitude of land surface: 1,150.8 feet.				
Nov. 24, 1937	186.43	Mar. 15, 1952	173.77	Aug. 24, 1954	149.00
Jan. 9, 1951	158.65	Sept. 11	171.29		
Well 203					
Owner: B. B. Dunbar.	Altitude of land surface: 1,130.5 feet.				
Jan. 9, 1951	135.92	Sept. 11, 1952	148.32	Aug. 24, 1954	135.07
Mar. 15, 1952	148.20				

Water levels in wells in Kinney County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 204					
Owner: Geo. Rose. Altitude of land surface: 1,284.8 feet.					
Jan. 9, 1951	222.35	Sept. 11, 1952	336.76	Aug. 24, 1954	299.36
Mar. 15, 1952	294.20				
Well 210					
Owner: Ethel Whitaker.					
Aug. 18, 1937	57.70	Jan. 15, 1940	65.17	June 25, 1947	73.91
Sept. 25	59.47	Feb. 23	65.23	Nov. 6	74.16
Oct. 23	60.80	Mar. 19	65.71	Apr. 21, 1948	77.97
Nov. 16	62.09	Apr. 24	66.04	Aug. 10	75.62
Dec. 18	63.44	May 21	65.54	Jan. 8, 1949	75.62
Feb. 25, 1938	60.45	June 19	65.01	Apr. 14	68.94
Mar. 16	60.22	July 24	64.06	Aug. 29	64.95
Apr. 25	58.75	Aug. 22	63.80	Dec. 20	66.17
May 26	58.98	Sept. 25	65.54	Apr. 4, 1950	67.74
June 29	59.78	Oct. 23	67.43	Aug. 8	69.82
July 28	57.02	Dec. 4	67.03	Dec. 7	73.89
Aug. 24	56.00	Jan. 21, 1941	68.82	May 14, 1951	76.15
Sept. 19	56.45	May 28	69.12	Aug. 14	74.03
Oct. 27	56.22	Aug. 12	70.34	Dec. 19	77.83
Dec. 9	58.27	Apr. 7, 1942	74.20	Mar. 13, 1952	81.10
Jan. 26, 1939	59.82	Aug. 5	74.36	Aug. 6	79.25
Mar. 1	61.40	Dec. 12	72.49	Dec. 4	84.51
Apr. 1	62.61	Apr. 27, 1943	71.33	Apr. 7, 1953	85.90
Apr. 29	54.10	Aug. 29	70.85	Nov. 20	72.41
June 7	64.73	Dec. 17	72.36	Apr. 12, 1954	75.70
July 7	66.39	May 2, 1944	70.87	July 13	63.51
Aug. 15	67.52	Aug. 18	71.38	July 21	64.34
Sept. 12	67.80	Dec. 22	71.40	Nov. 10	70.14
Nov. 10	66.75	June 5, 1945	74.27		
Dec. 2	66.23	Apr. 2, 1946	77.41		

Water levels in wells in Uvalde County, Texas

Date	Water level	Date	Water level	Date	Water level
Well G-6-4					
Owner: Frank Kirchgraber.					
Aug. 18, 1937	44.33	Oct. 24, 1939	54.30	Dec. 21, 1944	60.26
Sept. 25	48.00	Jan. 15, 1940	55.89	June 6, 1945	61.55
Oct. 23	48.64	Feb. 23	55.76	Apr. 2, 1946	66.09
Nov. 17	49.69	Mar. 20	55.68	June 25, 1947	52.58
Dec. 16	50.35	Apr. 24	55.41	Nov. 7	62.07
Jan. 19	51.78	May 21	55.04	Apr. 21, 1948	65.95
Feb. 25	48.57	June 18	55.07	Jan. 8, 1949	65.46
Mar. 19	52.06	July 23	55.48	Apr. 14	56.94
Apr. 25	49.97	Aug. 22	55.51	Aug. 29	57.39
May 26	50.17	Sept. 25	56.71	Dec. 20	57.92
June 29	51.79	Oct. 23	56.86	Apr. 4, 1950	58.16
July 28	48.71	Dec. 4	56.33	Aug. 8	59.68
Aug. 24	49.35	Jan. 21, 1941	56.50	Dec. 7	62.02
Sept. 19	48.68	May 28	56.35	May 14, 1951	64.28
Oct. 27	48.54	Aug. 12	57.18	Aug. 14	72.05
Dec. 9	48.42	Nov. 13	58.62	Dec. 19	69.57
Jan. 26, 1939	48.70	Apr. 7, 1942	60.53	Aug. 6, 1952	71.13
Mar. 1	48.48	Aug. 5	62.21	Dec. 5	74.13
Apr. 1	50.44	Dec. 2	60.26	Apr. 8, 1953	77.78
Apr. 29	51.95	Apr. 27, 1943	61.35	Aug. 12	94.74
June 7	53.10	Aug. 30	60.67	Nov. 20	61.76
July 7	54.20	Dec. 16	60.12	July 13, 1954	54.86
Aug. 15	54.70	May 1, 1944	58.95	July 21	56.63
Sept. 12	55.25	Aug. 17	59.72	Nov. 10	58.42

Well G-6-5

Owner: Texas and New Orleans Railroad Co.

Aug. 18, 1937	30.19	Aug. 24, 1938	29.98	Oct. 24, 1939	39.32
Sept. 25	32.77	Sept. 19	29.92	Jan. 15, 1940	37.70
Oct. 23	32.96	Oct. 27	29.86	Feb. 23	37.65
Nov. 17	34.33	Dec. 9	31.40	Mar. 19	38.16
Dec. 16	35.49	Jan. 26, 1939	32.26	Apr. 24	38.39
Jan. 19, 1938	35.01	Mar. 1	33.70	May 21	38.05
Feb. 24	33.29	Apr. 1	34.88	June 19	37.72
Mar. 16	32.97	Apr. 29	36.27	July 23	37.51
Apr. 25	32.03	June 7	36.64	Sept. 25	38.45
May 26	31.78	July 7	38.52	Oct. 23	39.63
June 29	32.50	Aug. 15	39.42	Dec. 4	39.00
July 27	31.94	Sept. 12	39.80	Jan. 21, 1941	40.30

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Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-6-5--Continued					
May 28, 1941	40.67	Apr. 3, 1946	48.82	Aug. 14, 1951	47.49
Aug. 12	41.98	June 25, 1947	45.74	Dec. 19	50.96
Nov. 13	43.41	Nov. 6	46.70	Mar. 13, 1952	51.97
Apr. 7, 1942	45.29	Apr. 22, 1948	49.45	Aug. 6	53.07
Aug. 5	45.53	Aug. 10	47.44	Dec. 5	56.40
Dec. 2	43.90	Jan. 8, 1949	49.70	Apr. 8, 1953	*63.98
Aug. 29, 1943	42.86	Apr. 14	42.51	Aug. 12	61.74
Dec. 16	44.37	Aug. 29	38.76	Nov. 20	44.75
May 1, 1944	42.68	Dec. 20	38.93	Apr. 12, 1954	47.30
Aug. 17	43.20	Apr. 4, 1950	40.13	July 13	39.03
Dec. 21	44.64	Aug. 8	41.96	July 21	29.20
June 5, 1945	45.61	Dec. 7	45.99	Nov. 10	42.04
Apr. 2, 1946	49.88	May 14, 1951	48.47		

Well H-2-4

Owner: H. I. Holmes. Altitude of land surface: 1,153.58 feet.

Nov. 30, 1929	183.74	Aug. 21, 1936	125.3	Dec. 2, 1942	124.72
Dec. 24	184.60	July 7, 1937	123.96	Apr. 28, 1943	131.42
Jan. 20, 1930	185.30	Aug. 10	125.81	Aug. 28	139.53
Mar. 13	186.26	Sept. 22, 1938	131.62	Dec. 16	148.67
May 21	187.90	Apr. 8, 1939	145.88	Apr. 30, 1944	150.07
June 24	182.15	Aug. 1	148.60	Aug. 16	145.03
July 23	178.80	Oct. 25	146.77	Dec. 20	143.17
Sept. 30	177.90	Jan. 16, 1940	148.45	June 6, 1945	132.43
Oct. 22	175.90	Feb. 24	149.83	Apr. 3, 1946	153.24
Dec. 19	170.80	Mar. 20	150.64	July 1, 1947	143.82
May 14, 1931	138.60	Apr. 25	151.06	Nov. 7	145.33
July 11	137.60	May 22	150.60	Apr. 22, 1948	158.48
Oct. 30	126.40	June 19	149.04	Aug. 9	167.86
Jan. 14, 1932	131.30	July 24	146.75	Jan. 7, 1949	178.38
Feb. 16	129.90	Aug. 22	146.90	Apr. 14	168.75
Apr. 1	130.70	Sept. 26	148.39	Aug. 29	147.12
July 8	126.60	Oct. 23	149.96	Nov. 2	146.90
Nov. 30	113.01	Dec. 4	154.81	Dec. 19	147.56
Apr. 10, 1933	116.00	Jan. 22, 1941	152.25	Jan. 24, 1950	148.27
July 19	120.85	May 28	131.72	Apr. 4	150.70
Oct. 16, 1934	151.71	Aug. 11	125.47	Aug. 8	153.59
Aug. 12, 1935	136.08	Nov. 14	119.82	Dec. 6	167.56
Jan. 28, 1936	121.10	Aug. 6, 1942	129.04	Jan. 5, 1951	170.01

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*Pumping at time of measurement.

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-2-4--Continued					
May 8, 1951	177.56	Sept. 8, 1952	189.58	Apr. 15, 1954	209.55
Aug. 16	178.76	Dec. 5	193.21	June 3	207.19
Dec. 19	184.46	Apr. 8, 1953	199.66	July 15	205.50
Mar. 11, 1952	188.03	Aug. 12	208.63	July 23	205.54
Aug. 6	188.78	Nov. 24	207.63	Nov. 11	202.42
Well H-2-5					
Owner: -- Flores. Altitude of land surface: 1,174.82 feet.					
Nov. 30, 1929	88.37	Jan. 16, 1940	55.81	Apr. 22, 1948	81.80
Jan. 20, 1930	61.44	Feb. 24	55.40	Aug. 9	90.60
Mar. 13	83.90	Mar. 20	55.28	Jan. 7, 1949	92.94
May 21	60.90	Apr. 25	54.21	Mar. 8	48.98
June 24	62.50	May 22	53.15	Apr. 14	55.95
July 23	69.85	June 19	53.60	Aug. 29	55.30
Aug. 28	79.70	July 24	53.86	Nov. 2	55.15
Sept. 30	91.75	Aug. 22	56.06	Dec. 19	57.54
Oct. 22	52.16	Sept. 26	65.11	Jan. 24, 1950	57.16
Dec. 19	56.25	Oct. 23	87.94	Apr. 4	57.49
July 11, 1931	53.80	Dec. 4	56.71	Aug. 8	87.17
Oct. 30	55.75	Jan. 22, 1941	53.88	Dec. 6	92.00
Jan. 14, 1932	59.45	May 28	40.70	Jan. 5, 1951	91.86
Feb. 16	58.55	Aug. 11	51.70	May 8	80.02
Apr. 1	57.30	Nov. 14	47.37	Aug. 16	91.89
July 9	36.50	Apr. 8, 1942	56.07	Dec. 19	94.27
Nov. 30	58.05	Aug. 6	60.40	Mar. 11, 1952	94.18
Apr. 10, 1933	56.30	Dec. 2	52.41	Aug. 6	92.09
July 19	56.50	Apr. 28, 1943	55.38	Sept. 8	94.20
Oct. 16, 1934	93.12	Aug. 28	88.68	Dec. 5	95.61
Aug. 12, 1935	45.95	Dec. 16	62.22	Apr. 8, 1953	95.73
Jan. 28, 1936	55.85	Apr. 30, 1944	50.81	Aug. 12	97.00
Aug. 21	55.95	Aug. 16	83.76	Nov. 24	93.93
July 7, 1937	55.75	Dec. 20	52.68	Apr. 15, 1954	97.69
Sept. 22, 1938	84.00	June 6, 1945	51.79	June 3	68.20
Apr. 8, 1939	71.40	Apr. 3, 1946	64.27	July 15	59.75
Aug. 1	52.49	July 1, 1947	46.50	July 22	60.34
Oct. 25	65.75	Nov. 7	87.86		

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-2-8					
Owner: F. C. Brigman. Altitude of land surface: 1,072.61 feet.					
Dec. 3, 1929	235.09	Sept. 21, 1938	158.38	Apr. 25, 1940	195.22
Jan. 20, 1930	236.60	Oct. 25, 1939	165.45	May 22	194.40
Nov. 30, 1932	151.95	Jan. 16, 1940	190.31	June 19	196.70
Aug. 21, 1936	153.30	Feb. 24	192.43	Dec. 4	199.16
Aug. 11, 1937	151.20	Mar. 20	193.67	Jan. 22, 1941	200.57
Well H-3-4					
Owner: -- Rimkus. Altitude of land surface: 1,131.25 feet.					
Dec. 3, 1929	232.73	Dec. 19, 1930	232.70	July 19, 1933	252.10
Dec. 23	232.74	May 14, 1931	232.60	Oct. 16, 1934	236.40
Jan. 27, 1930	232.86	July 11	224.90	Aug. 12, 1935	236.20
Mar. 13	234.23	Oct. 29	236.80	Jan. 28, 1936	235.48
May 21	232.70	Jan. 14, 1932	235.35	Aug. 21	242.51
June 24	237.20	Feb. 16	236.00	July 7, 1937	236.36
July 23	250.40	Apr. 2	232	Aug. 10	271.10
Aug. 28	233.00	July 9	236.45	Sept. 22, 1938	252.39
Sept. 30	232.75	Nov. 30	204.20	Jan. 5, 1951	235.73
Oct. 22	236.05	Apr. 10, 1933	235.60		
Well H-3-9					
Owner: H. M. Waldrip. Altitude of land surface: 997.32 feet.					
Dec. 10, 1929	174.22	Aug. 21, 1936	135.05	Sept. 22, 1938	159.44
Aug. 12, 1935	125.04	July 7, 1937	110.83		
Jan. 28, 1936	110.70	Aug. 10	195.02		
Well H-4-6					
Owner: Briscoe, Fenley, and Spangler. Altitude of land surface: 950.57 feet.					
Oct. 7, 1929	81.55	July 22, 1930	80.00	May 14, 1931	67.95
Nov. 14	82.85	Aug. 29	83.00	Oct. 29	65.60
Dec. 7	83.83	Sept. 29	82.35	Jan. 14, 1932	66.65
Jan. 16, 1930	85.73	Oct. 22	79.10	Feb. 16	67.05
Mar. 10	87.12	Nov. 25	75.70	Apr. 1	67.30
May 22	89.00	Dec. 17	75.10	Nov. 30	59.70
June 23	84.50	Apr. 15, 1931	69.95	Apr. 10, 1933	59.05
(Continued on next page)					

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-4-6--Continued					
July 18, 1933	60.70	May 26, 1941	65.33	Aug. 8, 1950	70.84
Oct. 16	73.61	Aug. 26	62.74	Dec. 6	73.85
Aug. 12, 1935	63.99	Nov. 12	62.06	Jan. 4, 1951	77.68
Jan. 27, 1936	59.90	Apr. 8, 1942	63.68	May 14	81.62
Aug. 20	69.00	Aug. 6	66.15	Aug. 15	85.95
July 7, 1937	59.10	Dec. 2	62.69	Dec. 19	91.90
Aug. 21	60.04	May 1, 1944	70.69	Mar. 12, 1952	96.50
Sept. 19, 1938	61.68	June 6, 1945	68.65	Aug. 6	97.78
Apr. 8, 1939	66.40	Apr. 2, 1946	76.75	Sept. 10	103.58
Aug. 1	66.95	July 1, 1947	67.33	Dec. 5	104.20
Jan. 15, 1940	63.85	Nov. 7	69.85	Apr. 8, 1953	110.29
Feb. 24	65.25	Apr. 21, 1948	73.11	Aug. 12	120.42
Mar. 18	65.71	Aug. 9	73.05	Nov. 23	105.82
Apr. 26	66.29	Jan. 8, 1949	79.80	Apr. 13, 1954	112.75
May 22	66.34	Mar. 9	76.32	June 2	107.86
June 19	65.53	Apr. 14	71.19	July 15	96.68
Aug. 22	66.30	Aug. 12	67.00	July 22	95.48
Sept. 26	67.60	Nov. 2	65.42	Aug. 25	96.54
Oct. 23	68.62	Dec. 19	65.30	Nov. 11	100.97
Dec. 2	69.89	Jan. 24, 1950	65.56		
Jan. 23, 1941	70.76	Apr. 4	67.25		
Well H-4-8					
Owner: J. T. Hall. Altitude of land surface: 938.33 feet.					
Oct. 9, 1929	63.60	Aug. 4, 1930	59.65	Apr. 10, 1933	36.40
Nov. 23	65.90	Aug. 27	62.50	July 18	39.60
Dec. 5	66.95	Sept. 29	64.90	Oct. 15, 1934	56.62
Jan. 8, 1930	69.10	Oct. 22	45.58	Aug. 12, 1935	36.83
Feb. 6	70.15	May 13, 1931	39.34	Jan. 27, 1936	36.48
Mar. 10	71.09	July 10	39.84	Aug. 20	36.93
Apr. 5	71.85	Oct. 29	44.68	July 7, 1937	38.22
May 4	72.85	Jan. 13, 1932	47.14	Aug. 21	39.42
June 9	73.74	Feb. 16	47.73	Sept. 19, 1938	39.08
June 23	47.71	Apr. 1	47.90		
July 2	46.69	Dec. 1	35.85		

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-4-18					
Owner: -- Witts. Altitude of land surface: 924.89 feet.					
Oct. 7, 1929	89.90	Sept. 30, 1930	90.00	Apr. 1, 1932	90.90
Nov. 14	90.20	Oct. 22	90.25	July 8	73.00
Dec. 7	89.86	Nov. 25	89.95	Dec. 1	89.55
Jan. 17, 1930	89.89	Dec. 17	90.20	Apr. 10, 1933	72.85
Feb. 14	89.87	May 14, 1931	82.40	July 18	90.40
Mar. 10	89.93	July 11	85.35	Oct. 25, 1934	80.03
June 23	90.35	Oct. 30	98	Aug. 12, 1935	80.90
July 22	89.80	Jan. 13, 1932	141.30	Jan. 27, 1936	78.70
Aug. 29	90.10	Feb. 16	86.10	Sept. 19, 1938	116.99
Well H-4-28					
Owner: J. R. Ingraham. Altitude of land surface: 897.04 feet.					
Oct. 3, 1929	28.50	July 7, 1937	16.26	Feb. 23, 1940	19.37
Nov. 14	29.75	Aug. 21	16.92	Mar. 20	19.86
Dec. 7	31.18	Sept. 25	18.26	Apr. 24	20.29
Jan. 16, 1930	32.70	Oct. 19	18.78	May 21	20.54
Feb. 14	33.72	Nov. 16	16.65	June 18	18.14
Mar. 10	34.22	Dec. 16	19.86	July 24	18.69
May 22	36.00	Jan. 19, 1938	18.41	Aug. 22	19.91
June 23	18.00	Feb. 25	12.78	Sept. 25	20.87
July 22	23.25	Mar. 16	13.91	Oct. 23	21.44
Aug. 29	27.90	Apr. 25	14.39	Dec. 4	22.01
Sept. 30	29.40	May 26	12.90	Jan. 21, 1941	22.44
Oct. 22	19.00	June 28	15.48	May 28	12.09
Nov. 25	21.90	July 27	12.56	Aug. 12	15.62
Dec. 17	23.90	Aug. 23	14.12	Nov. 13	13.58
May 14, 1931	15.90	Sept. 19	16.00	Apr. 7, 1942	19.40
July 10	17.60	Oct. 27	17.90	Aug. 5	20.90
Oct. 29	21.10	Dec. 9	19.02	Dec. 2	13.82
Jan. 13, 1932	22.80	Jan. 26, 1939	19.83	Apr. 27, 1943	18.93
Feb. 16	23.05	Mar. 1	20.23	Aug. 29	21.09
Mar. 31	23.20	Apr. 1	20.57	Dec. 16	22.91
July 8	13.00	Apr. 29	20.87	May 1, 1944	22.69
Dec. 1	12.53	June 7	21.38	Aug. 17	23.01
Apr. 10, 1933	13.75	July 8	21.87	Dec. 21	21.88
July 18	17.85	Aug. 15	17.00	June 5, 1945	21.94
Aug. 11, 1935	11.22	Sept. 14	17.22	Apr. 2, 1946	25.18
Jan. 27, 1936	13.15	Oct. 24	13.37	June 26, 1947	20.23
Aug. 20	13.50	Jan. 15, 1940	18.18	Nov. 7	21.31
(Continued on next page)					

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
H-4-28--Continued					
Apr. 21, 1948	23.73	Dec. 20, 1949	16.45	Aug. 14, 1951	31.15
Aug. 9	19.23	Apr. 4, 1950	19.98	Dec. 19	Dry
Jan. 7, 1949	26.15	Aug. 8	22.33	Mar. 13, 1952	Dry
Apr. 14	13.86	Dec. 7	24.17	Aug. 6	Dry
Aug. 29	12.88	May 14, 1951	27.78		

Well H-4-34

Owner: John Rosenow. Altitude of land surface: 1,082.54 feet.

Mar. 22, 1939	162.20	Aug. 29, 1943	168.92	Apr. 4, 1950	159.90
Jan. 9, 1940	157.00	Dec. 16	171.94	Aug. 8	168.36
Feb. 24	159.48	May 1, 1944	170.81	Dec. 7	172.95
Mar. 19	159.59	Aug. 17	170.19	Jan. 5, 1951	174.10
Apr. 24	162.09	Dec. 21	166.32	May 14	180.98
May 21	161.94	June 5, 1945	170.56	Aug. 14	183.99
June 18	158.44	Apr. 2, 1946	179.51	Mar. 13, 1952	187.14
July 23	157.88	July 1, 1947	158.28	Aug. 6	201.00
Aug. 22	160.58	Nov. 7	164.12	Dec. 5	189.39
Sept. 25	163.13	Apr. 21, 1948	172.58	Apr. 8, 1953	202.03
Oct. 23	165.10	Aug. 10	169.50	Aug. 12	209.32
Jan. 21, 1941	169.00	Jan. 7, 1949	174.30	Nov. 20	174.02
May 28	161.43	Mar. 8	164.60	Apr. 13, 1954	197.52
Aug. 12	156.77	Apr. 14	160.96	June 2	174.90
Nov. 13	157.78	Aug. 29	157.44	July 14	174.91
Aug. 5, 1942	179.32	Nov. 2	156.01	July 22	182.33
Dec. 2	159.81	Dec. 20	156.28	Aug. 25	183.45
Apr. 27, 1943	167.21	Jan. 24, 1950	156.21	Nov. 11	186.00

Well H-4-35

Owner: John Rosenow. Altitude of land surface: 1,006.51 feet.

Mar. 22, 1939	62.60	Oct. 23, 1940	66.90	Aug. 17, 1944	74.26
Feb. 24, 1940	58.54	Dec. 4	69.69	June 5, 1945	73.63
Mar. 19	59.62	Jan. 21, 1941	72.19	July 1, 1947	56.64
Apr. 24	60.63	May 28	61.69	Nov. 7	70.08
May 21	61.36	Nov. 13	58.17	Apr. 21, 1948	72.00
June 18	60.29	Dec. 2, 1942	62.57	Nov. 2, 1949	55.92
July 23	59.33	Aug. 29, 1943	73.94	Apr. 4, 1950	60.35
Sept. 25	67.60	May 1, 1944	74.54	Dec. 7	75.40

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Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-4-35--Continued					
May 14, 1951	85.36	Dec. 5, 1951	97.05	Aug. 25, 1954	80.65
Aug. 14	88.79	Aug. 12	102.63		
Mar. 13	95.44	Nov. 20	95.64		
Well H-4-40					
Owner: Joe Moss.					
Feb. 10, 1954	105.43	June 2, 1954	89.51	July 15, 1954	73.52
Apr. 13	111.19				
Well H-4-64					
Owner: Frank Turner.					
Aug. 18, 1937	174.93	Dec. 16, 1937	159.69	Sept. 19, 1938	169.32
Sept. 25	178.08	Apr. 25, 1938	146.95	Oct. 28	169.01
Oct. 19	163.78	June 28	180.40	Jan. 26, 1939	157.29
Nov. 17	158.63	Aug. 23	180.32	Apr. 1	163.37
Well H-4-65					
Owner: Phil Newell.					
Aug. 18, 1937	153.47	Apr. 25, 1938	125.74	Dec. 9, 1938	135.50
Sept. 25	212.84	May 27	133.05	Jan. 26, 1939	156.60
Oct. 23	162.52	June 29	179.67	Mar. 1	182.76
Nov. 17	127.33	July 28	134.64	Apr. 1	129.93
Dec. 16	128.72	Aug. 23	134.35	Apr. 29	179.62
Feb. 25, 1938	133.34	Sept. 22	123.77		
Mar. 22	130.35	Oct. 27	123.95		

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-4-66					
Owner: R. P. Ingram, Jr.					
Nov. 17, 1937	119.74	June 28, 1938	147.85	Apr. 29, 1939	140.28
Jan. 18, 1938	123.12	July 28	121.76	July 7	129.25
Feb. 25	111.42	Dec. 9	124.35	Sept. 14	116.40
Mar. 22	117.73	Mar. 1	126.80		
May 27	114.81	Apr. 1	120.47		
Well H-5-1					
Owner: City of Uvalde. Altitude of land surface: 904.85 feet.					
Nov. 7, 1929	48.73	Jan. 28, 1939	31.50	Nov. 30, 1941	29.53
Dec. 5	49.54	Mar. 3	32.12	Dec. 31	29.15
Jan. 8, 1930	50.61	Apr. 3	33.08	Jan. 17, 1942	29.10
Feb. 6	51.42	May 4	33.50	Feb. 5	29.14
Mar. 10	52.33	June 10	34.62	Mar. 1	29.33
Apr. 5	52.9	July 8	35.27	Apr. 1	29.92
May 18	53.9	Aug. 16	33.88	May 1	30.38
Aug. 29	49.45	Sept. 12	33.40	June 17	31.28
Oct. 22	48.30	Oct. 24	33.13	July 7	31.48
May 14, 1931	37.35	Nov. 4	32.96	Aug. 1	32.18
July 10	34.95	Jan. 12, 1940	32.52	Sept. 30	32.17
Oct. 30	33.24	Feb. 24	32.97	Oct. 25	30.64
Dec. 1, 1932	27.40	Apr. 23	33.77	Nov. 30	30.80
Oct. 15, 1934	38.24	June 19	33.94	Dec. 10	30.65
Aug. 12, 1935	32.73	July 24	33.78	Jan. 16, 1943	30.32
Jan. 28, 1936	28.22	Aug. 22	34.26	Feb. 2	30.35
Aug. 21	28.34	Sept. 25	34.92	Mar. 1	30.61
July 6, 1937	26.74	Oct. 24	35.41	Apr. 1	31.13
Aug. 21	27.77	Nov. 1	35.75	May 1	31.74
Jan. 19, 1938	30.22	Dec. 1	36.28	June 1	32.35
Feb. 5	29.55	Jan. 23, 1941	37.00	July 1	32.63
Mar. 22	29.21	Feb. 12	37.03	Aug. 1	33.11
Apr. 25	29.06	Mar. 31	36.69	Sept. 1	34.03
May 27	28.93	Apr. 29	35.64	Oct. 2	34.41
June 28	29.60	May 31	33.02	Nov. 1	35.16
July 28	29.43	June 30	31.64	Dec. 1	36.09
Aug. 23	29.78	July 6	31.47	Jan. 1, 1944	36.89
Sept. 19	29.58	Aug. 30	30.90	Feb. 1	37.60
Oct. 27	30.00	Sept. 29	30.60	Mar. 28	37.84
Dec. 9	30.90	Oct. 30	30.25	Apr. 30	37.52

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Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-5-1--Continued					
May 31, 1944	37.33	Dec. 1, 1947	35.68	June 7, 1951	47.65
June 20	36.73	Jan. 1, 1948	36.48	July 1	49.15
July 2	36.78	Feb. 1	37.33	Aug. 1	51.45
Aug. 31	37.17	Mar. 1	37.98	Sept. 1	53.25
Sept. 30	35.56	Apr. 1	39.19	Oct. 1	54.55
Nov. 6	35.55	May 1	40.21	Nov. 5	55.10
Dec. 4	35.62	June 1	41.04	Dec. 1	56.27
Jan. 1, 1945	35.91	July 23	41.34	Jan. 1, 1952	58.05
Feb. 26	35.48	Aug. 2	41.34	Feb. 22	*62.14
Mar. 31	35.15	Sept. 1	41.56	Mar. 24	*62.10
Apr. 24	34.87	Oct. 1	41.85	Apr. 25	*62.90
May 13	34.77	Nov. 1	42.49	May 26	63.70
June 3	35.04	Dec. 1	43.36	June 24	66.65
July 1	35.42	Jan. 1, 1949	44.38	July 26	64.37
Aug. 1	36.27	Feb. 28	44.89	Aug. 22	66.45
Sept. 1	37.10	Mar. 30	41.97	Sept. 25	67.15
Oct. 1	38.09	Apr. 30	39.78	Oct. 1	67.32
Nov. 1	38.78	May 30	38.45	Nov. 30	68.80
Dec. 1	39.34	June 29	37.33	Dec. 7	68.71
Jan. 1, 1946	39.68	July 29	36.84	Jan. 3, 1953	69.64
Feb. 1	40.03	Aug. 30	36.33	Feb. 2	71.18
Mar. 1	40.54	Sept. 30	35.36	Mar. 1	72.75
Apr. 1	41.13	Oct. 31	34.37	Apr. 6	74.75
May 1	41.59	Nov. 7	34.19	May 1	77.40
June 30	41.59	Dec. 31	33.70	June 1	79.91
July 26	40.93	Jan. 2, 1950	33.6	July 1	82.90
Aug. 4	40.95	Feb. 1	33.6	Aug. 31	85.68
Sept. 1	41.10	Mar. 1	33.9	Sept. 28	75.98
Oct. 31	39.85	Apr. 1	34.9	Oct. 31	72.85
Nov. 30	38.42	May 1	35.5	Nov. 7	72.27
Dec. 28	37.79	June 1	36.0	Dec. 27	72.61
Jan. 31, 1947	37.43	July 1	36.8	Jan. 2, 1954	72.65
Feb. 28	36.55	Aug. 1	37.6	Feb. 1	73.31
Mar. 31	35.95	Sept. 1	38.3	Mar. 2	75.56
Apr. 30	35.68	Oct. 1	39.1	Apr. 17	78.53
May 20	35.57	Nov. 1	40.4	May 31	77.32
June 29	35.03	Dec. 1	41.7	June 30	72.70
July 20	34.48	Jan. 1, 1951	43.07	July 28	68.88
Aug. 26	34.12	Feb. 2	44.16	Aug. 27	68.62
Sept. 1	34.21	Mar. 1	45.30	Sept. 4	68.38
Oct. 1	34.75	Apr. 1	46.37	Oct. 14	68.14
Nov. 2	35.25	May 1	47.65	Nov. 1	69.33

* Estimated from nearby well.

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-5-22					
Owner: Jack Dean. Altitude of land surface: 933.81 feet.					
Nov. 20, 1929	77.85	Feb. 24, 1940	60.34	Aug. 9, 1948	69.33
Dec. 24	79.00	Mar. 21	60.78	Jan. 7, 1949	73.00
Jan. 17, 1930	79.90	Apr. 23	60.21	Mar. 7	72.21
Mar. 13	81.22	May 22	61.58	Apr. 14	69.02
May 21	82.87	June 19	61.24	Aug. 29	63.78
June 21	83.65	July 24	61.03	Nov. 2	61.74
July 23	78.05	Aug. 22	61.62	Dec. 19	61.19
Aug. 28	77.90	Sept. 26	62.56	Jan. 23, 1950	61.02
Nov. 25	74.40	Oct. 23	63.32	Apr. 4	62.50
Dec. 19	73.50	Dec. 2	64.24	Aug. 8	65.57
May 14, 1931	64.80	Jan. 23, 1941	64.99	Dec. 6	70.34
Oct. 30	60.65	May 26	60.23	Jan. 3, 1951	71.70
Jan. 14, 1932	62.05	Aug. 11	57.58	May 8	76.54
Feb. 16	62.05	Nov. 12	56.32	Aug. 15	80.95
Apr. 1	61.50	Apr. 8, 1942	56.73	Dec. 19	85.43
July 8	59.80	Aug. 6	59.24	Mar. 10, 1952	89.98
Dec. 1	53.42	Dec. 2	57.49	Aug. 6	94.00
Apr. 10, 1933	52.90	Apr. 28, 1943	58.66	Sept. 8	96.36
July 20	54.30	Aug. 28	61.10	Dec. 5	97.78
Oct. 15, 1934	66.50	Dec. 16	64.57	Apr. 8, 1953	103.98
Aug. 12, 1935	59.40	Apr. 30, 1944	65.40	Aug. 12	115.17
Jan. 27, 1936	54.30	Aug. 16	61.67	Nov. 24	102.02
Aug. 21	62.30	Dec. 20	63.60	Apr. 15, 1954	108.15
July 7, 1937	52.34	June 6, 1945	62.46	July 15	99.11
Aug. 21	53.30	Apr. 2, 1946	69.38	July 23	98.36
Sept. 21, 1938	55.98	June 30, 1947	63.12	Aug. 25	97.63
Nov. 4, 1939	60.09	Nov. 7	63.82	Nov. 11	99.17
Jan. 15, 1940	59.84	Apr. 22, 1948	69.25		
Well H-5-26					
Owner: George Kennedy. Altitude of land surface: 1,021.38 feet.					
Nov. 30, 1929	184.22	Sept. 30, 1930	184.80	Apr. 1, 1932	162.05
Dec. 24	185.27	Oct. 21	180.10	July 8	154.70
Jan. 16, 1930	185.87	Dec. 19	178.35	Nov. 30	147.37
Mar. 13	187.09	May 14, 1931	163.80	Apr. 10, 1933	150.00
May 21	188.20	July 11	162.90	July 19	150.90
June 24	184.30	Oct. 30	159.60	Oct. 16, 1934	167.65
July 23	185.45	Jan. 14, 1932	161.15	Aug. 12, 1935	154.12
Aug. 28	183.60	Feb. 16	161.45	Jan. 28, 1936	150.30
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Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-5-26--Continued					
Aug. 21, 1936	150.70	Jan. 22, 1941	167.04	Apr. 22, 1948	170.70
July 7, 1937	148.39	May 28	156.03	Aug. 9	173.26
Aug. 21	148.31	Aug. 11	154.99	Jan. 7, 1949	178.10
Jan. 15, 1938	154.20	Nov. 12	152.00	Mar. 8	173.65
Jan. 15, 1940	161.54	Apr. 8, 1942	153.61	Apr. 14	173.22
Feb. 25	162.09	Aug. 6	157.19	Aug. 29	166.07
Mar. 21	162.71	Dec. 2	155.30	Nov. 2	164.21
Apr. 25	164.19	Apr. 28, 1943	156.95	Apr. 4, 1950	165.60
May 2	163.54	Aug. 28	159.72	Aug. 8	169.01
June 19	163.27	Dec. 16	164.78	Dec. 6	174.28
July 24	162.72	Apr. 30, 1944	166.37	Jan. 5, 1951	177.1
Aug. 22	163.62	Aug. 16	165.75	Aug. 16	186.69
Sept. 26	164.75	Apr. 3, 1946	168.72	Aug. 6, 1952	202.45
Oct. 23	165.62	June 30, 1947	161.63		
Dec. 4	166.77	Nov. 7	164.43		

Well H-5-39

Owner: William Galloway. Altitude of land surface: 950.78 feet.

Dec. 5, 1929	98.30	Aug. 31, 1932	76.20	Oct. 27, 1938	74.56
Jan. 27, 1930	99.80	Dec. 1	71.55	Dec. 9	76.00
Mar. 12	101.07	Apr. 11, 1933	71.20	Jan. 27, 1939	77.05
Apr. 22	102.30	July 20	72.40	Mar. 2	78.14
May 21	102.92	Oct. 16, 1934	85.00	Feb. 25, 1940	79.32
June 24	101.70	Aug. 21, 1936	72.38	Mar. 18	79.64
July 23	98.95	July 9, 1937	70.43	Apr. 26	80.24
Aug. 28	98.05	Aug. 10	71.25	May 20	80.62
Sept. 30	98.50	Sept. 26	72.60	June 19	80.57
Oct. 23	97.45	Oct. 19	73.39	Aug. 22	80.75
Dec. 3	94.90	Dec. 16	75.31	Sept. 21	81.43
Dec. 19	94.10	Jan. 19, 1938	75.21	Oct. 23	82.25
Apr. 15, 1931	88.20	Feb. 25	75.11	Dec. 2	83.17
May 14	85.00	Mar. 18	74.31	Jan. 23, 1941	83.88
July 11	81.80	Apr. 25	74.42	May 26	79.01
Oct. 30	79.35	May 26	73.96	Aug. 13	75.98
Jan. 14, 1932	79.65	June 28	74.45	Nov. 12	74.59
Feb. 16	79.90	July 28	74.37	Apr. 8, 1942	74.62
Apr. 1	80.30	Aug. 23	74.45	Aug. 6	77.38
July 9	79.90	Sept. 21	74.60	Dec. 2	76.08

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Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-5-39--Continued					
Apr. 28, 1943	76.98	Aug. 16, 1944	84.22	Jan. 4, 1951	94.51
Aug. 27	79.52	Dec. 21	82.38	Mar. 12, 1952	109.38
Dec. 16	83.04	June 6, 1945	81.13		
Apr. 30, 1944	84.59	Apr. 3, 1946	88.19		
Well H-5-42					
Owner: J. D. Mahaffey. Altitude of land surface: 945.27 feet.					
Jan. 1, 1930	87.10	Apr. 15, 1931	98.70	Apr. 10, 1933	64.25
May 21	90.70	May 14	71.90	July 20	66.55
June 24	83.00	July 11	69.65	Aug. 13, 1935	65.06
July 23	88.20	Oct. 30	69.50	July 9, 1937	64.51
Aug. 28	83.40	Jan. 14, 1932	70.45	Aug. 10	65.21
Sept. 30	88.30	Apr. 1	80.80	Sept. 21, 1938	69.47
Dec. 3	80.40	July 9	71.17	Jan. 4, 1951	99.08
Dec. 19	80.50	Dec. 1	62.19		
Well H-5-51					
Owner: O. T. Cardwell. Altitude of land surface: 907.54 feet.					
Oct. 5, 1929	50.90	Apr. 11, 1933	34.70	July 24, 1940	39.45
Nov. 13	51.15	July 21	36.20	Aug. 22	39.79
Dec. 19	51.78	Oct. 16, 1934	42.23	Sept. 25	40.15
Jan. 16, 1930	52.47	Aug. 11, 1935	39.38	Oct. 23	40.50
Mar. 10	53.73	Jan. 27, 1936	35.63	Dec. 2	40.90
Apr. 15	54.5	Aug. 21	36.20	Jan. 23, 1941	41.24
June 23	54.14	July 9, 1937	34.94	May 26	39.38
July 22	53.55	Aug. 10	35.68	Aug. 11	37.74
Aug. 27	52.45	Sept. 21, 1938	37.21	Nov. 12	37.21
Oct. 1	52.50	Apr. 8, 1939	38.60	Apr. 8, 1942	36.72
Dec. 17	49.30	Aug. 8	39.37	Aug. 6	38.51
May 14, 1931	41.90	Sept. 15	39.37	Apr. 28, 1943	37.71
July 11	40.60	Oct. 24	39.08	Aug. 28	39.60
Oct. 29	39.30	Jan. 15, 1940	38.55	Dec. 16	40.81
Jan. 14, 1932	39.00	Feb. 24	38.64	May 1, 1944	41.88
Mar. 31	39.10	Mar. 18	38.83	Aug. 16	41.34
July 8	37.59	Apr. 24	39.14	Dec. 21	40.47
Aug. 31	37.85	May 22	39.38	June 6, 1945	39.06
Dec. 1	35.35	June 19	39.53	Apr. 3, 1946	44.67
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Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-5-51--Continued					
July 1, 1947	36.01	Apr. 4, 1950	40.21	Apr. 8, 1953	73.20
Nov. 7	36.41	Aug. 8	42.27	Aug. 12	84.57
Apr. 22, 1948	39.35	Dec. 8	45.19	Nov. 24	72.23
Aug. 9	45.10	Jan. 3, 1951	46.12	Apr. 15, 1954	77.31
Jan. 7, 1949	47.12	May 8	50.18	June 1	78.65
Mar. 9	47.34	Aug. 15	53.91	July 13	72.53
Apr. 14	45.25	Dec. 19	58.24	July 23	72.93
Aug. 29	41.74	Mar. 12, 1952	61.20	Aug. 25	69.30
Nov. 2	39.87	Aug. 6	63.78	Nov. 10	69.12
Dec. 19	39.50	Sept. 9	66.94		
Jan. 25, 1950	39.30	Dec. 5	68.59		
Well H-5-53					
Owner: E. E. Capt. Altitude of land surface: 897.82 feet.					
Oct. 24, 1929	41.05	Apr. 1, 1932	29.70	Oct. 16, 1934	32.75
Nov. --, 1930	41.05	July 8	28.60	Aug. 21, 1936	26.64
Apr. 5, 1931	34.20	Aug. 31	28.30	Sept. 21, 1938	27.53
May 13	32.20	Dec. 1	26.03	Jan. 4, 1951	36.52
July 10	30.60	Apr. 10, 1933	25.40	Mar. 12, 1952	52.64
Oct. 29	29.50	July 21	26.60	Aug. 25, 1954	59.10
Well H-5-174					
Owner: U. S. Fish and Wildlife Service. Altitude of land surface: 912.12 feet.					
July 31, 1951	51.96	Nov. 24, 1952	66.35	Jan. 6, 1954	62.27
Oct. 24	56.13	Dec. 1	66.41	Feb. 1	63.11
Nov. 14	55.07	Jan. 7, 1953	67.62	Mar. 2	65.22
Dec. 2	56.77	Feb. 2	69.41	Apr. 30	65.92
Jan. 1, 1952	58.27	Mar. 1	71.70	May 31	60.19
Feb. 12	60.14	Apr. 18	72.13	June 30	56.06
Mar. 31	60.60	May 31	68.98	July 27	53.90
Apr. 30	59.98	June 30	68.05	Aug. 1	54.28
May 1	60.02	July 7	67.45	Sept. 28	56.22
June 19	61.91	Aug. 1	69.93	Oct. 16	55.03
July 1	62.76	Sept. 30	63.00	Nov. 1	55.36
Aug. 4	54.15	Oct. 31	59.31	Dec. 1	57.50
Sept. 3	65.77	Nov. 10	58.45		
Oct. 1	66.10	Dec. 1	59.94		

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-6-10					
Owner: Herbert Stevens:					
Dec. 12, 1929	68.41	Jan. 19, 1938	66.44	Nov. 12, 1941	65.80
Jan. 27, 1930	68.45	Feb. 25	66.54	Apr. 6, 1942	69.92
Mar. 12	68.64	Mar. 16	66.56	Aug. 4	67.25
May 21	68.85	Apr. 26	66.64	Dec. 2	66.05
June 24	68.30	May 26	66.68	Apr. 26, 1943	65.70
July 23	68.20	June 28	66.70	Aug. 29	65.02
Aug. 28	68.40	July 26	66.69	Dec. 15	65.33
Sept. 30	68.55	Aug. 23	66.79	Apr. 30, 1944	65.41
Oct. 23	68.30	Sept. 22	66.86	Aug. 9	65.38
Dec. 3	68.10	Oct. 26	66.93	Dec. 20	65.54
Dec. 19	69.00	Dec. 9	67.09	Jan. 1, 1946	65.40
Apr. 15, 1931	67.25	Jan. 27, 1939	67.09	June 28, 1947	66.54
May 14	67.30	Apr. 3	67.80	Nov. 7	67.20
July 11	67.30	May 4	67.64	Apr. 22, 1948	67.58
Oct. 30	67.75	June 9	67.96	Aug. 2	67.08
Jan. 4, 1932	67.85	July 6	67.90	Jan. 6, 1949	67.14
Feb. 16	68.05	Aug. 17	68.15	Apr. 12	67.44
Apr. 1	68.20	Sept. 16	67.73	Aug. 25	66.44
July 9	66.75	Oct. 25	67.93	Dec. 19	66.08
Aug. 31	66.70	Jan. 16, 1940	68.03	Apr. 4, 1950	65.71
Nov. 30	65.30	Feb. 25	68.09	Aug. 8	65.77
Apr. 10, 1933	66.45	Mar. 21	68.37	Dec. 6	67.01
July 19	66.65	Apr. 23	68.38	May 8, 1951	66.66
Oct. 23, 1934	57.83	May 20	68.44	Aug. 14	67.42
Aug. 12, 1935	62.58	June 17	68.43	Dec. 19	68.79
Jan. 28, 1936	66.95	July 22	68.42	Aug. 6, 1952	67.10
Aug. 21	68.25	Aug. 23	68.68	Dec. 5	67.37
July 7, 1937	67.67	Sept. 24	68.79	Apr. 8, 1953	67.50
Aug. 10	66.93	Oct. 21	69.12	Aug. 12	67.92
Sept. 26	67.83	Dec. 2	68.37	Nov. 24	67.74
Oct. 19	66.19	Jan. 23, 1941	68.37	Apr. 15, 1954	67.56
Nov. 20	66.63	May 26	67.13	July 13	67.50
Dec. 19	66.29	Aug. 13	66.27	July 23	67.54

Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-6-16					
Owner: Illinois Pipeline Company. Altitude of land surface: 934.34 feet.					
Dec. 11, 1929	193.69	Apr. 23, 1940	173.39	Jan. 6, 1949	191.20
Jan. 27, 1930	194.15	May 20	173.90	Apr. 13	186.31
Mar. 13	210.35	June 17	174.20	Aug. 26	179.02
Apr. 29	202.30	July 22	174.19	Nov. 1	177.74
May 21	199.80	Aug. 22	174.57	Dec. 19	175.59
June 24	199.05	Sept. 24	175.42	Jan. 24, 1950	175.03
Sept. 30	198.55	Oct. 21	176.51	Aug. 8	178.82
Dec. 19	190.15	Dec. 2	178.04	Dec. 6	185.26
Apr. 15, 1931	182.40	Jan. 23, 1941	177.15	Jan. 4, 1951	193.06
May 14	177.20	May 26	163.80	May 8	209.38
July 10	167.90	Aug. 13	153.16	Aug. 14	202.38
Jan. 14, 1932	159.00	Nov. 12	146.14	Dec. 19	202.28
Nov. 30	141.27	Apr. 8, 1942	146.07	Mar. 12, 1952	209.52
Apr. 11, 1933	140.60	Aug. 4	170.68	Aug. 6	215.38
July 20	147.20	Aug. 27, 1943	158.88	Dec. 5	216.10
Oct. 24, 1934	178.00	Dec. 15	167.43	Apr. 8, 1953	223.50
Jan. 28, 1936	133.85	Apr. 30, 1944	175.00	Aug. 12	227.83
Aug. 21	144.72	Aug. 16	174.63	Nov. 24	245.7
July 7, 1937	129.62	Dec. 21	172.79	Apr. 16, 1954	245.8
Aug. 10	131.33	Apr. 3, 1946	166.15	June 1	229.80
Sept. 23, 1938	145.68	June 28, 1947	169.44	July 13	228.13
Jan. 17, 1940	170.55	Nov. 7	178.14	July 21	242.36
Feb. 25	171.82	Apr. 22, 1948	183.62	Aug. 26	230.50
Mar. 21	172.43	Aug. 9	184.20	Nov. 11	230.69
Well H-8-63					
Owner: Ditch School House. Altitude of land surface: 846.14 feet.					
Sept. 12, 1945	33.29	May 10, 1949	31.75	May 2, 1950	31.94
Jan. 5, 1946	32.54	June 15	32.14	June 7	31.98
Aug. 8	33.62	July 17	32.49	July 10	32.59
Mar. 4, 1947	32.04	Aug. 10	32.66	Aug. 3	32.88
Oct. 12, 1948	33.50	Sept. 22	32.80	Sept. 5	33.17
Nov. 10	33.07	Oct. 29	32.24	Oct. 3	32.82
Dec. 24	34.04	Nov. 29	32.04	Nov. 2	35.46
Jan. 20, 1949	34.31	Jan. 25, 1950	31.61	Dec. 6	34.25
Mar. 7	32.08	Mar. 9	31.75	Jan. 13, 1951	35.60
Apr. 12	31.87	Apr. 6	32.07	Feb. 11	35.70
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Water levels in wells in Uvalde County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-8-63--Continued					
May 4, 1951	35.78	Dec. 21, 1951	38.11	June 25, 1952	36.81
June 1	33.40	Jan. 24, 1952	38.52	July 24	39.50
July 10	33.91	Feb. 22	38.87	Aug. 22	42.23
July 31	35.07	Mar. 12	39.61	Sept. 25	41.86
Sept. 13	36.67	Mar. 26	40.19	Oct. 22	42.74
Oct. 24	36.98	Apr. 21	39.32	Dec. 21	45.69
Nov. 21	37.22	May 26	38.08		
Well I-1-3					
Owner: E. B. Kincaid. Altitude of land surface: 1,009.46 feet.					
Feb. 21, 1930	189.52	July 7, 1937	229.11	Sept. 23, 1938	245.05
Oct. 18, 1934	269.20	Aug. 11	232.61	Jan. 9, 1951	207.00

Water levels in wells in Medina County, Texas

Date	Water level	Date	Water level	Date	Water level
Well C-7-13					
Owner:	G. M. Merritt.	Altitude of land surface:	1,361.5	feet.	
Oct. 11, 1950	243.14	May 9, 1951	246.90	June 9, 1952	255.37
Jan. 2, 1951	248.29	July 3	245.50	Nov. 5	248.41
Mar. 12	249.74	Jan. 14, 1952	253.22		
Well C-7-19					
Owner:	Carl Porter.	Altitude of land surface:	1,279.5	feet.	
Jan. 9, 1951	182.39	Sept. 11, 1951	188.33	Sept. 3, 1952	186.46
Feb. 2	185.75	Nov. 6	200.76	Nov. 5	188.38
Mar. 9	188.29	Jan. 14, 1952	188.54	Aug. 25, 1954	188.22
May 9	185.80	Mar. 19	190.29		
July 6	187.00	June 9	180.77		
Well C-8-27					
Owner:	R. Zuberbueler.	Altitude of land surface:	1,119.9	feet.	
Aug. 17, 1950	219.11	May 9, 1951	226.45	Jan. 14, 1952	224.57
Jan. 9, 1951	222.60	July 3	224.80	Mar. 18	228.68
Feb. 5	224.18	Sept. 6	213.74	Nov. 9, 1954	228.27
Mar. 8	225.73	Nov. 6	238.44		
Well C-9-38					
Owner:	B. DeGrodt.	Altitude of land surface:	1,107.4	feet.	
Nov. 13, 1950	210.00	May 10, 1951	181.60	June 10, 1952	168.38
Jan. 12, 1951	210.79	July 9	191.60	Aug. 25	217.21
Feb. 8	211.36	Jan. 15, 1952	174.07	Nov. 7	218.73
Mar. 14	192.83	Mar. 19	193.46	Nov. 8, 1954	177.1

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well D-7-25					
Owner: R. Murray. Altitude of land surface: 1,086.5 feet.					
Dec. 12, 1950	153.71	May 11, 1951	158.77	June 10, 1952	103.91
Jan. 25, 1951	150.85	Nov. 1	110.71	Aug. 25	104.73
Mar. 5	136.29	Jan. 17, 1952	114.22	Nov. 6	96.85
Well D-7-37					
Owner: M. Haby. Altitude of land surface: 1,168.1 feet.					
Nov. 7, 1950	309.56	Nov. 1, 1951	311.46	Mar. 26, 1952	316.83
Sept. 12, 1951	308.19	Jan. 16, 1952	313.92	June 10	293.26
Well I-1-7					
Owner: E. L. Kelley. Altitude of land surface: 1,167.0 feet.					
Oct. 11, 1950	381.99	July 6, 1951	395.96	June 9, 1952	420.82
Jan. 9, 1951	387.12	Sept. 17	404.69	Sept. 3	414.61
Feb. 5	390.56	Nov. 6	408.60	Nov. 5	417.97
Mar. 15	392.61	Dec. 13	413.74		
May 12	392.56	Mar. 19, 1952	414.54		
Well I-2-16					
Owner: A. Schlentz. Altitude of land surface: 1,021.7 feet.					
May 17, 1930	244.0	Oct. 25, 1939	212.00	Aug. 23, 1940	220.23
Oct. 22, 1934	220.35	Jan. 16, 1940	216.14	Sept. 24	222.24
July 8, 1937	168.82	Feb. 21	218.02	Oct. 21	223.88
Aug. 11	173.58	Mar. 18	219.15	Dec. 2	225.60
Sept. 23, 1938	189.98	Apr. 23	217.05	Jan. 20, 1941	221.26
Apr. 10, 1939	204.60	May 20	219.04	May 26	189.38
Aug. 1	209.30	June 17	219.32	Aug. 11	193.25
Sept. 18	210.92	July 22	216.90	Nov. 12	198.26

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Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-2-16--Continued					
Apr. 6, 1942	206.10	Jan. 26, 1950	204.00	Nov. 2, 1951	232.74
Aug. 4	202.24	Feb. 23	200.63	Nov. 6	231.16
Nov. 30	186.43	Mar. 28	197.95	Dec. 4	233.42
Apr. 26, 1943	196.69	May 1	202.13	Jan. 3, 1952	244.61
Aug. 31	195.89	June 1	201.51	Feb. 5	245.33
Dec. 14	203.76	July 3	202.17	Mar. 12	237.49
May 3, 1944	192.88	Aug. 1	199.33	Apr. 27	237.62
Aug. 19	194.32	Sept. 1	207.72	June 9	236.96
Dec. 19	193.41	Oct. 2	207.13	July 2	238.50
June 4, 1945	180.81	Nov. 1	210.36	Sept. 3	251.92
July 2, 1947	192.16	Dec. 3	213.24	Nov. 5	244.44
Nov. 7	202.25	Jan. 8, 1951	216.26	Apr. 9, 1953	262.39
Apr. 23, 1948	212.35	Feb. 5	221.57	Aug. 13	255.42
Aug. 2	212.51	Mar. 8	224.62	Nov. 23	247.55
Jan. 6, 1949	222.08	May 9	224.62	Apr. 16, 1954	260.76
Mar. 9	218.12	June 1	217.96	July 15	256.40
Apr. 12	219.75	July 3	223.48	Aug. 24	257.08
Aug. 26	199.53	Aug. 2	233.99	Nov. 9	260.35
Nov. 2	202.05	Sept. 6	228.10		
Dec. 9	202.12	Oct. 3	229.47		
Well I-2-23					
Owner: L. Finger. Altitude of land surface: 1,067.5 feet.					
Sept. 22, 1950	270.08	May 12, 1951	280.07	Jan. 14, 1952	293.73
Jan. 9, 1951	277.30	July 6	285.20	Mar. 18	297.18
Feb. 2	278.74	Sept. 11	286.68	June 9	298.05
Mar. 13	280.36	Nov. 6	289.87		
Well I-2-40					
Owner: W. A. Weynand. Altitude of land surface: 995.7 feet.					
May 17, 1930	236.2	Sept. 23, 1937	169.22	Oct. 25, 1939	190.80
Oct. 22, 1934	195.9	Apr. 10, 1939	188.11	Jan. 16, 1940	194.05
July 8, 1937	156.23	Aug. 1	187.72	Feb. 21	195.71
Aug. 11	156.75	Sept. 18	189.30	Mar. 18	196.65
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Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-2-40--continued					
May 20, 1940	197.60	Nov. 12, 1940	177.20	Sept. 7, 1951	210.84
June 17	198.05	Nov. 30	173.34	Jan. 4, 1952	217.19
July 22	202.28	Apr. 26, 1943	175.15	Mar. 18	220.74
Aug. 23	199.22	Aug. 29, 1950	212.07	June 9	222.95
Sept. 26	200.76	Jan. 8, 1951	212.73	Aug. 29	212.1
Oct. 21	201.86	Feb. 2	213.48	Sept. 5	225.34
Dec. 2	203.77	Mar. 13	205.92	Nov. 5	227.47
Jan. 20	184.43	May 9	207.52	Aug. 24, 1954	241.57
May 26	184.43				
Well I-2-55					
Owner: O. C. Holloway.					
July 11, 1950	258.45	Sept. 1, 1950	197.42	Sept. 5, 1951	201.3
Aug. 3	193.39	Oct. 2	174.26	Aug. 25, 1954	190.69
Well I-2-75					
Owner: Ed Weynand. Altitude of land surface: 934.5 feet.					
Jan. 10, 1951	32.38	May 9, 1951	49.72	Mar. 12, 1952	67.32
Feb. 2	33.22	July 6	41.82	June 9	43.53
Mar. 13	34.09	Jan. 4, 1952	69.13	Aug. 24, 1954	81.67
Well I-3-7					
Owner: Emil Britch. Altitude of land surface: 1,011.3 feet.					
Oct. 30, 1950	183.46	Mar. 12, 1951	194.67	Nov. 14, 1951	218.33
Jan. 10, 1951	191.11	May 10	198.21	Jan. 15, 1952	220.89
Feb. 6	193.09	July 9	200.32	Mar 17	222.40
Well I-3-19					
Owner: Milton Heyen. Altitude of land surface: 1,012.7 feet.					
Dec. 11, 1950	224.98	May 10, 1951	243.27	Mar. 19, 1952	256.89
Jan. 12, 1951	238.06	July 9	248.07	June 10	259.99
Feb. 1	241.35	Oct. 31	250.60	Aug. 23, 1954	276.46
Mar. 14	248.40	Jan. 3, 1952	259.41		

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-3-34					
Owner: Walter Brucks. Altitude of land surface: 915.2 feet.					
Jan. 3, 1951	202.70	Oct. 31, 1951	217.78	June 10, 1952	225.62
Feb. 1	204.92	Jan. 15, 1952	220.27		
Mar. 14	206.67	Mar. 23	224.94		
Well I-3-43					
Owner: H. W. McClain. Altitude of land surface: 944.2 feet.					
Feb. 20, 1930	217.30	Apr. 29, 1944	182.62	Jan. 12, 1951	205.27
Oct. 18, 1934	193.05	Aug. 19	183.32	Feb. 2	207.64
July 8, 1937	157.83	Dec. 19	180.50	Mar. 14	210.40
Aug. 11	159.62	June 4, 1945	172.31	May 10	210.05
Sept. 23, 1938	169.10	Apr. 4, 1946	179.97	June 1	208.46
Jan. 16, 1940	189.03	July 2, 1947	177.13	July 9	211.03
Feb. 21	190.85	Nov. 7	181.87	Aug. 1	213.23
Mar. 18	192.06	Apr. 24, 1948	182.88	Sept. 7	217.83
Apr. 23	193.15	Aug. 2	195.07	Oct. 3	218.59
May 20	193.65	June 6, 1949	204.35	Oct. 31	220.07
June 17	194.45	Mar. 9	201.80	Dec. 4	222.45
July 22	194.04	Apr. 13	203.00	Jan. 4, 1952	223.01
Aug. 23	196.32	Aug. 26	193.20	Feb. 5	224.62
Sept. 24	197.89	Nov. 2	190.55	Mar. 17	226.93
Oct. 21	199.10	Dec. 9	193.18	Apr. 27	227.61
Dec. 2	200.53	Jan. 26, 1950	194.29	July 2	230.15
Jan. 20, 1941	198.94	Feb. 23	194.22	Aug. 25	235.01
May 26	175.71	Mar. 28	194.66	Nov. 7	236.63
Aug. 11	176.41	May 1	194.70	Apr. 9, 1953	237.00
Nov. 12	174.58	June 1	195.58	Nov. 23	233.63
Apr. 6, 1942	177.30	July 3	195.08	Apr. 16, 1954	245.77
Aug. 4	176.28	Aug. 1	196.10	June 3	244.82
Nov. 30	169.99	Sept. 1	197.48	July 15	245.96
Apr. 26, 1943	174.79	Oct. 2	198.71	Aug. 23	247.02
Aug. 27	176.70	Nov. 3	200.33	Nov. 9	248.41
Dec. 14	182.15	Dec. 4	202.56		

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-3-75					
Owner: Gus Britch. Altitude of land surface: 933.5 feet.					
Feb. 20, 1930	214.20	Apr. 26, 1943	172.25	Sept. 1, 1950	198.38
Oct. 18, 1934	184.10	Aug. 27	175.60	Oct. 2	200.75
July 8, 1937	149.98	Dec. 14	178.69	Nov. 1	207.11
Aug. 11	161.58	Apr. 29, 1944	180.61	Dec. 3	221.2
Sept. 22, 1938	172.35	Aug. 19	182.13	Jan. 10, 1951	221.46
Apr. 10, 1939	186.20	Dec. 19	176.77	Feb. 2	217.66
Aug. 1	187.37	June 4, 1945	169.61	Mar. 14	229.94
Sept. 18	187.88	Apr. 4, 1946	181.69	May 10	125.17
Oct. 26	194.32	July 2, 1947	182.98	June 1	186.40
Jan. 16, 1940	191.02	Nov. 7	195.28	Aug. 1	219.83
Feb. 21	191.05	Apr. 23, 1948	194.51	Sept. 7	224.16
Mar. 18	193.02	Aug. 2	198.28	Oct. 3	223.11
Apr. 23	196.09	Jan. 6, 1949	214.96	Oct. 31	224.46
May 20	192.36	Mar. 9	121.94	Dec. 4	225.69
June 17	194.43	Apr. 13	195.76	Jan. 3, 1952	220.28
July 22	192.65	Aug. 26	177.52	Feb. 5	226.09
Sept. 24	198.39	Nov. 2	120.59	Mar. 13	229.01
Oct. 21	200.34	Dec. 9	179.31	Apr. 27	225.14
Dec. 2	202.43	Jan. 26, 1950	188.34	Aug. 25	246.0
Jan. 20, 1941	196.84	Feb. 23	182.60	Apr. 9, 1953	240.16
May 26	146.35	Mar. 28	192.40	Aug. 13	248.97
Aug. 11	170.35	May 1	196.43	Nov. 23	231.91
Nov. 12	168.58	June 1	191.16	Apr. 16, 1954	247.04
Apr. 6, 1942	174.73	July 3	193.59	June 3	243.51
Aug. 4	171.67	Aug. 1	196.57	Nov. 9	252.75
Nov. 30	156.40				
Well I-3-118					
Owner: United States Government. Altitude of land surface: 905.0 feet.					
Apr. 27, 1950	205.51	Jan. 25, 1951	220.04	Jan. 4, 1952	238.75
May 7	209.05	Mar. 2	220.34	Mar. 12	235.48
June 3	208.80	May 12	219.61	Sept. 5	245.27
July 2	211.57	July 3	224.76	Nov. 5	240.45
Aug. 3	215.39	Sept. 5	229.89	Aug. 26, 1954	254.24
Oct. 5	217.24	Oct. 3	231.11		
Dec. 1	218.47	Nov. 2	233.23		

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-4-1					
Owner: Ross Kennedy Estate. Altitude of land surface: 967.3 feet.					
Feb. 19, 1930	248.2	Jan. 20, 1941	229.85	Oct. 2, 1950	235.15
Oct. 18, 1934	227.95	May 26	199.74	Nov. 3	240.40
July 8, 1937	191.31	Aug. 11	199.91	Dec. 6	242.58
Aug. 11	193.96	Nov. 12	192.38	Jan. 13, 1951	242.28
Sept. 26	198.13	Apr. 6, 1942	201.01	Feb. 6	244.82
Oct. 19	200.68	Aug. 4	205.63	Mar. 13	245.65
Nov. 20	203.05	Nov. 30	198.13	May 12	246.59
Dec. 20	202.44	Aug. 31, 1943	211.80	June 4	246.78
Feb. 25, 1938	202.68	Dec. 15	219.41	July 6	248.79
Mar. 16	202.98	Apr. 30	218.16	Aug. 1	249.24
Apr. 26	201.94	Aug. 19	212.59	Sept. 5	255.37
May 27	200.15	June 4, 1945	204.41	Oct. 3	254.37
June 28	200.82	Apr. 3, 1946	219.58	Nov. 2	256.62
July 26	200.86	June 28, 1947	212.59	Dec. 4	257.34
Aug. 23	202.99	Nov. 7	220.01	Jan. 3, 1952	259.01
Sept. 23	204.76	Apr. 23, 1948	230.38	Feb. 5	260.72
Oct. 26	204.38	Aug. 2	236.45	Mar. 17	261.63
Dec. 9	210.50	Jan. 5, 1949	243.75	Apr. 27	264.75
Jan. 27, 1939	213.59	Mar. 7	237.36	June 9	266.02
Mar. 2	215.32	Apr. 15	236.87	July 2	264.03
May 4	220.0	Aug. 26	227.59	Aug. 9	266.26
Oct. 25	223.65	Nov. 2	225.31	Sept. 6	268.80
Jan. 16, 1940	226.40	Dec. 9	226.39	Nov. 5	268.29
Feb. 24	226.76	Jan. 24, 1950	226.91	Dec. 22	267.45
Mar. 21	228.35	Feb. 23	227.10	Apr. 9, 1953	259.08
Apr. 23	228.72	Mar. 28	227.93	Aug. 13	274.00
May 20	228.40	May 1	228.78	Nov. 24	269.82
June 17	228.31	June 2	228.96	Apr. 16, 1954	276.43
July 22	227.34	July 3	229.78	June 3	275.34
Aug. 23	229.63	Aug. 3	231.58	July 15	277.25
Sept. 21	231.08	Sept. 1	233.27	July 23	277.97
Oct. 21	232.42			Aug. 24	279.73
Dec. 2	233.23			Nov. 12	281.40
Well I-4-12					
Owner: Curtis White. Altitude of land surface: 950.0 feet.					
Apr. 21, 1930	236.7	July 8, 1937	180.92	Sept. 23, 1938	194.28
Oct. 23, 1934	216.75	Aug. 11	184.00	Jan. 16, 1940	214.70
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Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-4-12--continued					
Feb. 21, 1940	215.99	Apr. 22, 1948	219.41	July 6, 1951	236.86
Mar. 21	216.13	Aug. 2	225.33	Aug. 1	239.86
May 20	217.24	Jan. 5, 1949	232.16	Sept. 11	244.07
June 17	216.85	Mar. 7	226.54	Oct. 3	242.79
July 22	215.93	Apr. 12	225.80	Nov. 2	245.00
Oct. 21	221.24	Aug. 26	216.66	Dec. 4	245.64
Dec. 2	221.26	Nov. 2	214.25	Jan. 3, 1952	246.99
Jan. 20, 1941	218.16	Dec. 9	215.51	Feb. 4	248.52
May 26	189.29	Jan. 26, 1950	216.56	Mar. 17	249.57
Aug. 13	189.38	Feb. 23	216.18	Apr. 27	250.42
Nov. 12	182.95	Mar. 28	217.17	June 9	249.64
Apr. 6, 1942	191.07	May 1	217.93	July 2	252.29
Aug. 4	195.47	June 2	218.12	Aug. 9	254.47
Dec. 3	187.82	July 3	220.16	Sept. 3	267.09
Apr. 26, 1943	194.78	Aug. 1	224.68	Nov. 5	256.00
Aug. 31	201.28	Sept. 1	222.34	Dec. 22	253.90
Dec. 15	208.34	Oct. 2	223.87	Apr. 9, 1953	257.51
May 3, 1944	210.12	Nov. 3	230.94	Aug. 13	268.02
Aug. 19	208.12	Dec. 6	229.19	Nov. 23	261.68
Dec. 19	203.53	Jan. 8, 1951	230.81	Apr. 16, 1954	264.41
June 6, 1945	194.06	Feb. 6	232.57	June 3	263.60
Apr. 3, 1946	207.52	Mar. 15	234.63	July 13	265.36
June 28, 1947	202.15	May 12	236.40	Aug. 24	268.14
Nov. 7	212.08	June 4	234.87	Nov. 12	269.55
Well I-5-8					
Owner: C. Steurnthaler. Altitude of land surface: 893.8 feet.					
Feb. 3, 1951	210.44	Sept. 5, 1951	210.30	Aug. 9, 1952	216.3
Mar. 13	206.00	Nov. 15	210.40	Aug. 26, 1954	232.58
Apr. 2	205.58	Jan. 17, 1952	214.74	Nov. 12	230.25
May 11	202.07	Mar. 12	214.14		
July 6	206.5	June 9	215.66		

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-5-55					
Owner: Ray McGlaughlin. Altitude of land surface: 784.1 feet.					
May 30, 1930	72.94	May 3, 1944	41.87	Mar. 13, 1951	69.43
Oct. 23, 1934	51.5	Aug. 19	41.32	May 12	70.22
July 8, 1937	17.02	June 6, 1945	28.96	June 4	69.58
Aug. 11	18.85	Apr. 3, 1946	42.37	July 6	72.16
Sept. 23, 1938	29.31	June 20, 1947	37.38	Aug. 1	70.76
Jan. 16, 1940	49.21	Nov. 7	43.90	Sept. 11	78.21
Feb. 21	50.73	Apr. 22, 1948	54.08	Oct. 3	77.68
Mar. 18	51.96	Aug. 2	60.05	Nov. 2	85.74
Apr. 23	52.19	Jan. 5, 1949	66.15	Dec. 4	80.37
May 20	52.02	Apr. 12	59.75	Jan. 3, 1952	81.83
June 17	51.64	Aug. 26	51.27	Feb. 4	83.23
July 22	50.73	Nov. 2	48.72	Mar. 17	84.16
Aug. 23	53.28	Dec. 9	50.17	May 27	85.07
Sept. 24	54.74	Jan. 26, 1950	51.14	June 9	84.49
Oct. 21	55.78	Feb. 23	50.66	Aug. 9	89.18
Dec. 2	55.95	Mar. 28	51.65	Sept. 3	91.97
Jan. 20, 1941	52.84	May 1	53.47	Nov. 5	90.82
May 26	24.24	June 2	53.56	Dec. 22	90.70
Aug. 11	25.31	July 3	53.59	Apr. 9, 1953	91.2
Nov. 12	18.15	Aug. 1	55.30	Aug. 13	100.58
Apr. 6, 1942	26.07	Sept. 1	57.02	Nov. 23	91.8
Aug. 4	30.43	Oct. 2	58.62	Apr. 16, 1954	98.50
Dec. 3	22.67	Nov. 3	60.11	June 3	97.97
Apr. 26, 1943	29.78	Dec. 6	63.61	July 13	101.45
Aug. 31	36.40	Jan. 8, 1951	65.35	Aug. 24	102.78
Dec. 15	43.20	Feb. 6	67.31	Nov. 12	103.52

Well I-6-4

Owner: F. W. Bohmfalk. Altitude of land surface: 851.4 feet.

Aug. 31, 1951	175.03	Mar. 15, 1952	179.37	Nov. 9, 1954	193.33
Nov. 2	174.97	Nov. 6	182.70		
Jan. 3, 1952	176.99	Aug. 26, 1954	196.85		

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well J-1-3					
Owner: A. Haby. Altitude of land surface: 925.9 feet.					
Jan. 8, 1934	89.40	May 11, 1951	67.91	Mar. 19, 1952	81.77
Dec. 12, 1950	60.14	July 11	81.35	June 10	81.79
Jan. 29, 1951	62.47	Sept. 13	78.72	Aug. 25	81.87
Feb. 5	64.29	Nov. 1	75.67	Nov. 6	65.89
Mar. 14	65.91	Jan. 15, 1952	79.94	Aug. 23, 1954	99.26
Well J-1-9					
Owner: A. C. Wurzbach. Altitude of land surface: 923.1 feet.					
Aug. 29, 1934	200.30	May 11, 1951	220.10	Jan. 15, 1952	246.42
Jan. 7, 1951	211.87	July 11	235.09	Mar. 11	237.2
Feb. 13	213.30	Sept. 5	233.7	June 10	225.01
Mar. 15	216.81	Nov. 1	235.82	Aug. 23, 1954	268.57
Well J-1-16					
Owner: H. F. Haefelin. Altitude of land surface: 968.7 feet.					
Jan. 15, 1934	149.45	Mar. 14, 1951	171.89	Jan. 15, 1952	224.98
Nov. 28, 1950	171.96	May 11	172.75	Mar. 16	229.82
Jan. 22, 1951	172.02	July 9	182.28		
Feb. 1	172.25	Nov. 1	181.43		
Well J-1-22					
Owner: Frank Haby. Altitude of land surface: 1,042.6 feet.					
Jan. 12, 1934	219.29	May 11, 1951	241.51	Jan. 15, 1952	259.96
Jan. 12, 1951	237.02	July 9	245.72	Mar. 24	264.63
Feb. 1	237.97	Sept. 12	242.43	June 10	260.54
Mar. 14	239.14	Oct. 31	224.42		

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well J-1-41					
Owner: F. C. Stinson. Altitude of land surface: 846.0 feet.					
Feb. 20, 1930	150.0	Aug. 23, 1938	137.71	Aug. 4, 1942	140.73
Jan. 8, 1934	144.24	Dec. 8	141.25	Nov. 30	129.40
Apr. 20	141.99	Jan. 27, 1939	142.35	Apr. 26, 1943	139.62
May 23	144.92	Mar. 2	138.25	Aug. 26	144.50
June 21	147.55	Apr. 3	145.27	Dec. 14	147.04
July 31	147.31	May 4	147.89	Apr. 29, 1944	143.61
Aug. 24	149.96	June 9	148.20	Aug. 19	145.53
Sept. 21	151.43	July 6	151.52	Dec. 19	140.50
Oct. 8	151.50	Aug. 17	148.05	June 4, 1945	136.40
Nov. 21	152.57	Sept. 16	149.61	Apr. 4, 1946	145.29
Dec. 21	153.32	Oct. 26	151.15	Jan. 7, 1951	168.89
Feb. 3, 1935	153.38	Jan. 17, 1940	151.71	Feb. 9	170.33
Mar. 2	153.55	Feb. 21	152.59	Mar. 15	171.39
Apr. 9	154.44	Mar. 18	154.44	May 11	171.1
May 21	144.28	Apr. 26	155.30	July 11	176.67
June 28	126.72	May 20	155.58	Sept. 5	181.77
Aug. 2	128.75	June 17	154.86	Nov. 1	181.25
Sept. 27	126.68	July 22	153.86	Jan. 16, 1952	181.35
Jan. 20, 1936	130.00	Aug. 23	157.44	Mar. 11	182.22
Aug. 27	128.11	Sept. 24	158.42	June 10	183.64
Jan. 4, 1937	124.80	Oct. 21	158.85	Aug. 25	191.74
Feb. 27, 1938	129.62	Dec. 2	153.46	Nov. 6	186.24
Apr. 26	132.78	Jan. 23, 1941	153.00	Aug. 23, 1954	199.85
May 27	130.66	Nov. 12	133.60	Nov. 11	195.65
June 28	134.50	Apr. 6, 1942	138.40		
Well J-1-68					
Owner: J. Krenmueller. Altitude of land surface: 986.1 feet.					
Aug. 21, 1937	67.89	Apr. 26, 1938	63.04	Jan. 27, 1939	63.58
Sept. 26	68.68	May 26	62.33	Mar. 2	64.40
Oct. 19	63.88	June 28	63.90	Apr. 3	64.36
Nov. 15	64.51	July 26	63.94	May 4	65.50
Dec. 23	65.67	Aug. 23	65.05	June 9	66.71
Jan. 19, 1938	63.37	Sept. 23	63.29	Aug. 17	66.20
Feb. 26	62.84	Oct. 26	63.98	Sept. 16	68.82
Mar. 16	62.49	Dec. 9	63.87	Oct. 26	70.33
(Continued on next page)					

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well J-1-68--continued					
Jan. 17, 1940	66.11	July 1, 1947	62.24	June 1, 1951	63.98
Feb. 21	67.24	Nov. 7	61.40	July 10	69.95
Mar. 18	67.80	Apr. 24, 1948	61.34	Aug. 2	66.92
Apr. 26	68.38	Aug. 2	63.78	Sept. 11	67.89
May 20	67.60	Jan. 5, 1949	64.11	Oct. 3	65.61
June 17	67.14	Apr. 12	63.45	Oct. 31	60.70
July 25	68.59	Aug. 26	65.63	Dec. 3	65.67
Sept. 26	69.50	Dec. 21	60.06	Jan. 16, 1952	67.41
Oct. 25	68.70	Feb. 23, 1950	59.31	Feb. 4	73.52
Dec. 2	68.47	Mar. 28	60.40	Mar. 13	66.80
Jan. 20, 1941	67.76	May 1	60.37	Apr. 27	67.15
May 26	61.29	June 2	60.58	June 10	66.54
Aug. 11	62.69	July 3	62.45	July 2	68.67
Nov. 12	62.69	Aug. 2	65.34	Aug. 25	72.71
Apr. 8, 1942	62.08	Sept. 1	62.48	Nov. 6	68.15
Dec. 3	60.63	Oct. 2	62.85	Apr. 9, 1953	69.43
Aug. 26, 1943	64.89	Nov. 1	64.38	Aug. 13	70.44
Dec. 14	65.20	Dec. 5	66.45	Nov. 24	68.72
Apr. 29, 1944	62.80	Jan. 6, 1951	67.96	Apr. 16, 1954	70.84
Aug. 19	64.39	Feb. 9	68.69	July 15	74.56
Dec. 19	60.98	Mar. 14	69.44	Nov. 9	69.48
June 4, 1945	61.50	May 11	64.76		
Well J-1-86					
Owner: J. Courand.	Altitude of land surface: 854.2 feet.				
May 22, 1951	193.59	Mar. 13, 1952	205.36	Nov. 6, 1952	209.79
Nov. 1	202.73	June 10	206.42	Aug. 28, 1954	222.36
Jan. 3, 1952	208.13	Aug. 25	214.29	Nov. 9	220.75
Well J-2-14					
Owner: M. H. Bippert.	Altitude of land surface: 766.8 feet.				
Jan. 12, 1934	89.40	July 11, 1951	106.43	June 10, 1952	111.72
Jan. 5, 1951	98.19	Sept. 5	111.11	Nov. 6	114.88
Feb. 2	99.34	Oct. 31	113.21	Aug. 26, 1954	127.83
Mar. 14	100.66	Jan. 16, 1952	111.51		
May --	103.12	Mar. 11	110.42		

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well J-4-7					
Owner:	L. M. Samuels.	Altitude of land surface:	916.8 feet.		
July 18, 1951 Nov. 16	167.12 155.24	Jan. 16, 1952	170.74	Mar. 13, 1952	172.68
Well J-5-3					
Owner:	Southern Pacific Lines.	Altitude of land surface:	724.4 feet.		
Feb. 19, 1930 Jan. 5, 1934 June 28 Aug. 31 Oct. 9 Nov. 22, 1935 Jan. 8, 1951	49.9 32.61 36.85 39.06 39.13 19.85 55.44	Feb. 13, 1951 Mar. 14 May 11 Sept. 13 Nov. 1 Jan. 21, 1952 Mar. 24	55.79 56.25 57.64 66.09 70.12 65.51 66.85	May 11, 1952 June 10 Aug. 25 Nov. 6 Aug. 28, 1954 Nov. 12	57.64 67.53 76.22 70.06 83.42 78.72
Well J-7-24					
Owner:	K. G. Howard.	Altitude of land surface:	653.01 feet.		
Feb. 21, 1930 June 30, 1951 Nov. 16	85.20 76.74 78.15	June 24, 1952 Sept. 24 July 24, 1953	76.82 76.85 77.40	Nov. 23, 1953 Feb. 23, 1954	77.14 77.28
Well J-7-42					
Owner:	A. A. Lilly.	Altitude of land surface:	657.6 feet.		
Feb. 21, 1930 June 30, 1951 July 19 Nov. 15	101.75 95.46 95.49 95.53	Jan. 16, 1952 June 24 Sept. 24 July 24, 1953	95.66 96.20 96.45 97.42	Nov. 23, 1953 Feb. 23, 1954 June 9 Sept. 15	97.63 98.06 98.06 98.74

Water levels in wells in Medina County--Continued

Date	Water level	Date	Water level	Date	Water level
Well J-7-47					
Owner: W. Cavhart. Altitude of land surface: 661.1 feet.					
Feb. 21, 1930	106.55	June 24, 1952	102.05	Nov. 23, 1953	102.74
June 30, 1951	101.26	Sept. 24	101.74	Feb. 25, 1954	102.87
Sept. 18	101.4	Apr. 24, 1953	102.60	June 9	104.36
Nov. 15	94.46	July 24	103.43	Sept. 16	104.01
Well J-7-49					
Owner: D. J. Bartlett. Altitude of land surface: 649 feet.					
Feb. 22, 1930	95.47	Jan. 16, 1952	107.54	July 24, 1953	105.21
June 30, 1951	94.22	June 24	95.50		
Nov. 15	102.32	Sept. 24	94.78		

Water levels in wells in Bexar County, Texas

Date	Water level	Date	Water level	Date	Water level
Well 4					
Owner: Mrs. R. E. McIlvaine. Altitude of land surface: 710.7 feet.					
Oct. 30, 1934	465	Oct. 16, 1953	89.80	Jan. 4, 1955	85.08
Oct. 1, 1952	132.13	Nov. 4	73.68	Feb. 2	82.60
Nov. 7	81.70	Dec. 8	70.48	Mar. 3	77.95
Dec. 3	72.56	Jan. 6, 1954	67.36	Apr. 4	100.80
Jan. 6, 1953	66.80	Feb. 4	66.37	May 2	124.53
Feb. 9	64.51	Mar. 4	73.11	June 1	106.06
Mar. 9	64.29	June 7	103.91	July 5	121.64
Apr. 7	68.24	July 6	111.04	Aug. 4	128.39
May 8	85.57	Aug. 5	118.20	Aug. 30	126.17
June 3	95.13	Aug. 23	119.55	Nov. 4	118.06
July 14	95.43	Oct. 4	102.84	Dec. 5	95.05
Aug. 7	113.30	Nov. 2	98.95	Jan. 4, 1956	97.93
Sept. 17	87.13	Dec. 1	87.28		

Well 5

Owner: Davis Heights. Altitude of land surface: 761.5 feet.

Aug. 24, 1933	86.85	Aug. 22, 1934	90.90	May 20, 1935	81.69
Sept. 18	86.20	Sept. 19	91.40	June 26	70.60
Oct. 17	86.77	Oct. 12	92.02	Aug. 3	75.68
Nov. 20	86.88	Oct. 25	92.50	Sept. 26	76.15
Dec. 18	86.95	Nov. 20	91.45	Nov. 19	77.42
Feb. 19, 1934	86.21	Dec. 19	91.43	Jan. 18, 1936	78.97
Mar. 19	85.40	Jan. 31, 1935	91.37	Aug. 28	76.69
Apr. 18	84.74	Mar. 1	90.98	Dec. 29	76.20
June 19	89.37	Apr. 8	91.84		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 6					
Owner: D. E. Williams.		Altitude of land surface: 773.9 feet.			
Aug. 24, 1933	101.5	Mar. 5, 1951	119.93	Jan. 6, 1954	128.65
Sept. 18	100.89	May 11	122.76	Feb. 4	130.36
Oct. 17	101.49	May 25	121.21	Mar. 4	132.70
Nov. 20	101.48	June 7	120.50	Apr. 6	138.00
Dec. 18	101.46	July 3	126.75	May 6	136.68
Jan. 18, 1934	101.33	Aug. 6	136.90	June 7	140.35
Feb. 19	100.90	Sept. 10	133.15	July 6	140.69
Mar. 19	100.60	Oct. 30	128.11	Aug. 4	144.03
Apr. 19	99.22	Dec. 27	127.95	Aug. 23	144.01
June 19	104.12	Apr. 7, 1952	128.41	Oct. 6	+141.5
July 27	103.86	June 3	129.51	Nov. 4	138.5
Aug. 22	105.54	Aug. 1	136.53	Dec. 1	139.00
Sept. 19	105.81	Sept. 2	138.02	Jan. 7, 1955	137.90
Oct. 12	106.42	Nov. 7	133.33	Feb. 3	137.10
Oct. 25	106.72	Dec. 3	126.08	Mar. 1	135.98
Nov. 19	105.69	Jan. 6, 1953	122.78	Apr. 4	139.12
Dec. 19	105.44	Feb. 9	126.41	May 5	145.85
Jan. 31, 1935	105.41	Mar. 9	126.88	June 2	142.73
Apr. 8	105.92	Apr. 7	129.13	July 7	147.60
May 19	97.75	May 7	+131.75	Aug. 3	149.00
June 26	89.38	June 3	136.94	Aug. 30	149.78
Aug. 3	92.83	July 14	138.36	Oct. 6	147.41
Nov. 20	93.78	Aug. 7	143.43	Oct. 31	147.94
Nov. 27, 1950	118.27	Sept. 17	128.84	Dec. 5	143.15
Dec. 6	118.07	Oct. 16	131.65	Jan. 4, 1956	144.02
Jan. 4, 1951	119.11	Nov. 2	128.40		
Feb. 5	120.47	Dec. 8	127.30		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 19					
Owner: Marion, Koogler, McNey Estate. Altitude of land surface: 803.24 feet.					
July 20, 1932	131.77	Mar. 20, 1934	130.62	Mar. 1, 1935	135.53
Oct. 19	128.30	Apr. 19	129.83	Apr. 8	135.53
Jan. 23, 1933	128.19	May 22	132.28	May 19	128.33
Apr. 10	128.90	June 20	134.59	June 26	118.48
July 17	131.83	July 27	134.53	Aug. 3	122.70
Aug. 18	131.70	Aug. 23	135.94	Sept. 26	123.21
Sept. 19	131.31	Sept. 20	136.25	Nov. 19	123.80
Oct. 18	132.01	Oct. 12	136.90	Jan. 18, 1936	125.14
Nov. 21	133.02	Oct. 25	137.21	Aug. 28	124.10
Dec. 20	132.01	Nov. 19	136.26	Jan. 5, 1937	122.89
Jan. 19, 1934	131.70	Dec. 20	136.09		
Feb. 20	131.30	Jan. 31, 1935	135.92		
Well 26					
Owner: Ed Steves and Sons. Altitude of land surface: 722.56 feet.					
Nov. 21, 1932	46.54	Oct. 4, 1934	54.22	Nov. 2, 1936	40.34
Dec. 30	46.46	Nov. 30	54.42	Dec. 1	40.58
Jan. 24, 1933	46.30	Dec. 31	53.34	Jan. 1, 1937	40.97
Feb. 17	45.55	Jan. 1, 1935	53.56	Feb. 8	41.80
Mar. 8	46.26	Feb. 15	52.77	Mar. 29	41.34
Apr. 15	47.26	Mar. 2	53.74	Apr. 1	41.43
May 1	47.97	Apr. 9	54.60	May 3	43.95
June 2	48.43	May 31	45.13	June 10	40.48
July 10	49.38	June 26	37.02	July 12	42.80
Aug. 27	49.73	Aug. 5	41.25	Aug. 2	45.00
Sept. 4	49.13	Sept. 30	40.59	Sept. 6	46.63
Oct. 3	49.30	Oct. 1	40.52	Oct. 18	46.13
Nov. 8	49.98	Nov. 20	42.00	Nov. 1	46.61
Dec. 26	49.84	Dec. 9	42.35	Dec. 31	44.88
Jan. 29, 1934	49.12	Jan. 5, 1936	42.45	Jan. 30, 1938	41.63
Feb. 1	49.06	Feb. 3	43.52	Feb. 2	41.72
Mar. 5	47.53	Mar. 13	43.21	Mar. 1	43.23
Apr. 22	47.36	Apr. 1	44.22	Apr. 30	41.68
May 4	48.69	May 31	39.80	May 6	41.17
June 4	51.38	June 2	39.54	June 1	42.55
July 31	51.63	Aug. 6	39.64	July 1	45.94
Aug. 5	51.49	Sept. 30	40.80	Aug. 10	46.65
Sept. 17	54.26	Oct. 12	40.25	Sept. 19	47.37

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 26--continued					
Oct. 10, 1938	48.43	July 9, 1942	47.67	Mar. 1, 1946	49.52
Nov. 19	48.30	Aug. 3	50.73	Apr. 2	51.16
Dec. 7	48.52	Sept. 14	44.43	May 22	50.10
Jan. 3, 1939	48.46	Oct. 25	37.20	June 26	49.79
Feb. 1	48.66	Nov. 2	37.99	July 1	50.27
Mar. 4	49.37	Dec. 4	41.38	Aug. 31	54.03
Apr. 1	50.79	Jan. 1, 1943	42.98	Sept. 30	41.58
May 1	52.86	Feb. 1	44.28	Oct. 2	41.41
June 5	52.96	Mar. 5	45.60	Nov. 14	42.25
July 17	54.01	Apr. 1	46.48	Dec. 20	42.70
Nov. 20	54.70	May 31	49.94	Jan. 27, 1947	41.86
Dec. 31	54.34	June 14	48.57	Feb. 3	42.02
Jan. 11, 1940	54.07	July 17	48.23	Mar. 1	43.40
Feb. 5	54.51	Aug. 2	50.29	Apr. 1	44.77
Mar. 1	55.84	Sept. 20	51.40	May 1	47.03
Apr. 29	57.37	Oct. 4	51.37	June 23	51.32
May 31	56.55	Nov. 22	52.30	July 1	52.87
June 30	54.92	Dec. 1	52.40	Aug. 28	51.97
July 1	54.66	Jan. 7, 1944	52.69	Sept. 1	52.13
Aug. 1	58.90	Feb. 29	51.07	Oct. 14	55.45
Sept. 2	60.08	Mar. 28	46.34	Nov. 20	54.98
Oct. 31	59.31	Apr. 3	46.53	Dec. 29	54.63
Nov. 26	56.02	May 31	45.06	Jan. 2, 1948	54.83
Dec. 26	51.13	June 2	44.94	Feb. 24	54.80
Jan. 1, 1941	52.07	July 5	48.08	Mar. 1	54.63
Feb. 13	47.50	Aug. 31	50.87	Apr. 1	58.75
Mar. 31	45.64	Sept. 8	49.47	May 1	61.37
Apr. 30	42.81	Oct. 9	51.31	June 30	63.77
May 9	40.10	Jan. 27, 1945	43.40	July 6	61.26
June 2	41.67	Feb. 20	40.81	Aug. 2	66.81
July 1	43.38	Mar. 2	41.71	Sept. 13	65.47
Aug. 11	46.54	Apr. 9	40.65	Oct. 25	64.73
Sept. 24	46.09	May 7	42.38	Nov. 26	64.69
Oct. 7	44.05	June 1	46.76	Dec. 1	65.22
Nov. 3	44.65	July 2	48.26	Jan. 27, 1949	65.10
Dec. 1	44.82	Aug. 3	50.18	Feb. 28	63.02
Jan. 1, 1942	45.35	Sept. 3	51.81	Mar. 9	62.23
Feb. 23	46.15	Oct. 15	49.19	Apr. 30	51.45
Mar. 4	46.40	Nov. 20	50.34	May 2	50.97
Apr. 13	46.39	Dec. 25	49.27	June 13	54.65
May 12	46.77	Jan. 7, 1946	49.57	July 5	55.36
June 9	47.67	Feb. 26	48.71	Aug. 9	58.76

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 26--continued					
Sept. 5, 1949	62.31	June 4, 1951	68.94	Mar. 1, 1953	74.85
Oct. 28	55.48	July 2	74.33	Apr. 6	76.64
Nov. 1	55.82	Aug. 1	79.69	May 18	78.71
Dec. 19	58.30	Sept. 26	77.05	June 1	83.63
Jan. 3, 1950	58.26	Oct. 29	76.61	July 5	84.87
Feb. 24	57.18	Nov. 27	76.16	Aug. 31	83.50
Mar. 6, 1950	57.42	Dec. 3	65.81	Sept. 14	75.18
Apr. 24	59.37	Jan. 7, 1952	76.18	Oct. 31	77.40
May 18	58.36	Feb. 29	76.91	Nov. 9	76.15
June 6	58.25	Mar. 3	76.52	Dec. 21	75.16
July 3	62.72	Apr. 26	76.42	Jan. 18, 1954	76.22
Aug. 15	64.76	May 2	77.44	Feb. 1	77.30
Sept. 28	65.03	June 2	78.51	Mar. 6	80.38
Oct. 2	64.71	July 1	81.50	Apr. 12	83.30
Nov. 13	66.55	Aug. 3	84.63	May 3	83.19
Dec. 4	66.83	Sept. 22	78.74	June 1	85.78
Jan. 2, 1951	66.55	Oct. 1	80.05	July 5	86.97
Feb. 28	68.28	Nov. 30	75.67	Aug. 2	90.35
Mar. 1	68.45	Dec. 31	72.07	Sept. 6	92.45
Apr. 1	69.41	Jan. 5, 1953	71.04	Oct. 10	88.15
May 21	69.73	Feb. 2	73.54	Nov. 17	86.25
				Dec. 27	85.67

Well 44

Owner: Lakeview Addition Well 2. Altitude of land surface: 710.26 feet.

July 25, 1933	33.90	Dec. 20, 1934	39.21	Mar. 5, 1951	55.89
Sept. 18	33.61	Feb. 1, 1935	39.17	Mar. 10	56.75
Oct. 17	34.35	Feb. 20	38.78	June 11	55.81
Dec. 20	34.55	Apr. 9	39.44	Aug. 7	64.49
Jan. 18, 1934	34.42	May 21	30.04	Sept. 11	62.98
Feb. 19	33.94	June 28	20.18	Oct. 1	62.40
Mar. 19	33.18	Aug. 3	24.22	Oct. 8	61.82
Apr. 19	32.05	Sept. 27	24.12	Oct. 31	63.14
May 21	34.77	Jan. 20, 1936	26.78	Dec. 27	62.82
June 19	37.33	Aug. 27	24.87	Mar. 4, 1952	61.48
Aug. 22	38.78	Dec. 30	23.79	Apr. 4	62.70
Sept. 19	39.17	Nov. 27, 1950	51.75	Aug. 4	61.75
Oct. 11	39.77	Dec. 4	51.90	Nov. 4	61.58
Oct. 25	40.28	Jan. 5, 1951	52.49	Jan. 5, 1953	56.73
Nov. 19	39.21	Feb. 7	55.82	Mar. 9	61.40

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 53					
Owner:	City of San Antonio.	Altitude of land surface:	668.16 feet.		
Aug. 14, 1952	33.45	July 17, 1953	33.15	May 3, 1954	26.84
Nov. 7	26.10	Sept. 17	21.88	July 7	33.60
Jan. 4, 1953	15.73	Nov. 5	21.26	Aug. 23	36.60
Mar. 9	20.70	Jan. 6, 1954	22.04	Nov. 4	31.93
May 5	25.30	Mar. 3	26.46		
Well 87					
Owner:	Mrs. E. L. Haggard.	Altitude of land surface:	710.34 feet.		
Aug. 7, 1933	38.76	May 22, 1934	39.55	Jan. 31, 1935	42.85
Sept. 19	37.79	June 20	42.03	Mar. 1	42.42
Oct. 18	38.95	July 27	41.46	Apr. 8	43.28
Nov. 21	38.68	Aug. 23	43.42	May 19	34.73
Dec. 20	38.70	Sept. 20	43.47	June 27	26.24
Jan. 20, 1934	38.64	Oct. 8	43.16	Aug. 3	30.14
Feb. 20	37.95	Oct. 25	44.33	Sept. 26	29.80
Mar. 20	37.74	Nov. 19	43.11	Nov. 19	30.62
Apr. 19	36.38	Dec. 20	42.76	Jan. 21, 1936	31.61
Aug. 29, 1936	30.58	May 7, 1953	69.99	May 4, 1954	72.60
Jan. 5, 1937	29.07	July 14	76.46	July 7	76.25
Aug. 15, 1952	77.78	Sept. 18	64.93	Aug. 24	82.44
Nov. 3	70.38	Nov. 4	66.56	Nov. 2	78.36
Jan. 4, 1953	60.24	Jan. 5, 1954	65.88		
Mar. 6	65.30	Mar. 2	68.10		
Well 118					
Owner:	Moore Building.	Altitude of land surface:	644.36 feet.		
July 26, 1933	16.4	June 20, 1934	13.3	Apr. 9, 1935	13.8
Sept. 19	18.7	July 27	14.5	May 21	22.2
Oct. 18	14.3	Aug. 22	12.5	June 27	30.2
Nov. 21	17.6	Sept. 19	12.6	Aug. 5	27.5
Dec. 20	17.6	Oct. 12	12.8	Sept. 26	27.3
Jan. 18, 1934	18.2	Oct. 25	12.9	Nov. 21	26.9
Feb. 20	17.8	Nov. 19	13.6	Jan. 21, 1936	25.6
Mar. 20	18.7	Dec. 20	13.4	Dec. 30	27.3
Apr. 19	19.2	Jan. 31, 1935	14.1		
May 22	16.4	Mar. 1	14.3		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 148					
Owner: U. S. Government. Altitude of land surface: 644.50 feet.					
Nov. 27, 1933	128.6	Mar. 4, 1953	10.91	Feb. 4, 1954	0.97
July 17, 1952	10.21	Apr. 7	0.25	Mar. 1	3.27
July 18	6.26	May 10	4.76	Apr. 6	8.30
July 21	4.98	June 3	8.48	May 3	5.96
Aug. 5	9.02	July 15	13.24	June 7	10.48
Aug. 29	13.33	Aug. 7	15.34	July 6	9.80
Oct. 2	3.79	Sept. 17	0.18	Aug. 4	14.99
Nov. 3	4.52	Oct. 16	12.35	Aug. 23	16.44
Dec. 3	12.45	Nov. 2	10.58	Oct. 4	12.47
Jan. 8, 1953	15.45	Dec. 7	11.47	Nov. 1	11.13
Feb. 9	12.54	Jan. 5, 1954	11.55	Dec. 2	10.67
Well 159					
Owner: Southern Pacific Railroad. Altitude of land surface: 627.05 feet.					
Aug. 2, 1933	147.6	May 21, 1934	146.7	June 27, 1935	161.00
Sept. 18	147.8	June 19	143.8	Aug. 5	157.90
Oct. 18	147.8	July 27	144.4	Sept. 27	157.8
Nov. 20	147.2	Aug. 22	142.4	Nov. 21	161.2
Dec. 20	147.1	Sept. 19	142.1	Jan. 21, 1936	156.4
Jan. 18, 1934	147.2	Oct. 9	142.5	Aug. 29	155.1
Feb. 19	147.8	Oct. 25	141.60	Dec. 30	157.1
Mar. 19	148.8	Apr. 10, 1935	142.70	Jan. 18, 1951	17.0
Apr. 19	149.3	May 21	152.00	Jan. 7, 1955	11.0
Well 175					
Owner: City of San Antonio. Altitude of land surface: 621.57 feet.					
Aug. 21, 1933	139.0	Apr. 19, 1934	140.0	Nov. 19, 1934	135.0
Sept. 19	139.8	May 21	138.6	Dec. 20	134.0
Oct. 18	139.4	June 19	136.5	Feb. 1, 1935	134.6
Nov. 20	138.8	July 27	134.6	Feb. 28	134.9
Dec. 20	138.6	Aug. 22	134.6	Apr. 10	135.9
Jan. 18, 1934	138.6	Sept. 19	134.6	May 21	138.0
Feb. 19	138.9	Oct. 9	134.4	June 27	148.8
Mar. 19	140.0	Oct. 25	133.7	Aug. 5	147.2
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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 175--continued					
Sept. 27, 1934	f45.7	Mar. 8, 1952	f12.8	Mar. 4, 1953	f14.9
Nov. 21	f46.8	Mar. 15	f11.6	Mar. 11	f14.7
Jan. 21, 1936	f45.7	Apr. 3	f11.0	Mar. 19	f14.4
Aug. 29	f45.0	Apr. 10	f10.1	Mar. 26	f13.2
Dec. 30	f47.5	Apr. 26	f12.0	Apr. 3	f12.2
Oct. 10, 1950	f19.2	May 7	f10.3	Apr. 9	f13.0
Oct. 17	f20.7	June 3	f10.0	Apr. 20	f12.2
Oct. 23	f21.5	June 10	f9.0	Apr. 27	f12.2
Nov. 6	f20.0	June 17	f9.5	May 5	f10.9
Nov. 14	f19.6	July 1	f7.8	May 13	f9.0
Nov. 22	f19.5	July 8	f6.4	May 18	f10.7
Dec. 6	f20.8	July 15	f7.0	May 25	f10.0
Dec. 18	f20.0	July 22	f7.2	June 4	f7.6
Dec. 28	f21.0	July 29	f6.8	June 10	f5.7
Jan. 6, 1951	f22.2	Aug. 5	f5.8	June 16	f5.0
Jan. 20	f20.8	Aug. 12	f4.9	June 23	f4.2
Feb. 3	f22.0	Aug. 19	f3.8	July 1	f3.6
Feb. 17	f19.8	Aug. 26	f1.08	July 15	f4.2
Mar. 12,	f19.1	Sept. 2	f0.41	July 31	f0.07
Mar. 26	f17.7	Sept. 9	f0.74	Aug. 7	0.92
Apr. 12	f18.4	Sept. 16	f6.1	Aug. 17	1.85
May 21	f18.0	Sept. 23	f8.1	Aug. 25	0.15
June 1	f16.8	Sept. 30	f8.9	Sept. 3	f4.35
June 11	f18.0	Oct. 7	f8.2	Sept. 17	f11.2
June 16	f17.3	Oct. 14	f8.1	Sept. 28	f11.1
June 26	f15.4	Oct. 21	f7.9	Oct. 6	f10.9
July 3	f14.8	Oct. 28	f7.9	Oct. 14	f10.8
July 12	f13.2	Nov. 4	f8.3	Oct. 22	f10.5
July 23	f12.6	Nov. 10	f8.2	Oct. 28	f11.6
Aug. 6	f11.0	Nov. 18	f8.6	Nov. 6	f12.5
Aug. 10	f10.0	Nov. 25	f10.5	Nov. 16	f13.5
Aug. 18	f9.8	Dec. 2	f12.1	Nov. 24	f13.9
Aug. 28	f8.8	Dec. 9	f13.6	Dec. 4	f13.1
Sept. 15	f9.5	Dec. 16	f13.3	Dec. 14	f13.2
Oct. 1	f12.2	Dec. 23	f13.7	Dec. 21	f14.1
Oct. 10	f11.3	Dec. 31	f14.7	Dec. 29	f13.3
Nov. 12	f13.4	Jan. 8, 1953	f17.6	Jan. 6, 1954	f13.3
Nov. 27	f12.0	Jan. 14	f16.6	Jan. 14	f12.6
Dec. 8	f12.5	Jan. 20	f16.7	Jan. 20	f13.6
Dec. 21	f11.8	Jan. 28	f16.0	Jan. 27	f12.7
Jan. 8, 1952	f13.5	Feb. 9	f15.6	Feb. 3	f12.6
Jan. 26	f12.5	Feb. 18	f15.1	Feb. 11	f12.3
Feb. 16	f12.0	Feb. 24	f14.8	Feb. 19	f12.7

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 175--continued					
Feb. 26, 1954	411.2	June 2, 1954	43.9	Sept. 13, 1954	3.97
Mar. 5	49.7	June 11	40.66	Sept. 20	3.72
Mar. 12	410.8	June 18	0.60	Sept. 27	3.42
Mar. 19	49.9	June 25	0.17	Oct. 5	1.74
Mar. 26	46.82	July 2	41.2	Oct. 15	40.12
Apr. 2	45.08	July 9	0.5	Oct. 26	40.40
Apr. 9	44.64	July 16	1.12	Nov. 4	40.42
Apr. 16	44.7	July 23	1.92	Nov. 16	42.53
Apr. 24	44.5	July 30	3.76	Nov. 24	42.95
Apr. 30	44.7	Aug. 6	3.00	Dec. 3	42.93
May 6	45.3	Aug. 17	4.12	Dec. 9	42.53
May 17	45.0	Aug. 23	3.91	Dec. 17	42.70
May 23	43.97	Sept. 3	3.53	Dec. 24	42.88
Well 204					
Owner: N. H. White. Altitude of land surface: 652.03 feet.					
Sept. 15, 1933	421.5	July 27, 1934	419.7	May 21, 1935	427.2
Oct. 18	422.0	Aug. 22	416.9	June 27	435.9
Nov. 20	423.0	Sept. 19	416.9	Aug. 5	433.1
Dec. 20	423.6	Oct. 9	417.1	Sept. 27	420.3
Jan. 18, 1934	422.5	Oct. 25	416.2	Oct. 21	431.7
Feb. 19	422.5	Nov. 19	418.05	Jan. 21, 1936	431.1
Mar. 19	422.9	Dec. 20	418.3	Aug. 29	429.4
Apr. 19	423.9	Jan. 31, 1935	416.4	Dec. 30	432.0
May 21	419.7	Feb. 28	419.2		
June 19	418.5	Apr. 8	418.4		
Well 205					
Owner: Frank Brady. Altitude of land surface: 658.20 feet.					
Aug. 15, 1952	25.9	Aug. 7, 1953	30.95	May 6, 1954	23.11
Oct. 21	17.58	Sept. 17	15.55	July 9	28.47
Dec. 23	12.10	Nov. 3	14.34	Aug. 25	32.27
Mar. 4, 1953	14.26	Jan. 5, 1954	14.48	Nov. 4	25.38
May 5	16.45	Mar. 5	18.71		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 211					
Owner: Ranmar Corp. Altitude of land surface: 643.78 feet.					
Aug. 21, 1952	11.98	July 17, 1953	11.85	May 6, 1954	6.86
Oct. 21	2.62	Sept. 17	41.10	July 9	13.64
Dec. 23	4.90	Nov. 3	41.60	Aug. 25	16.93
Mar. 4, 1953	40.90	Jan. 5, 1954	42.13	Nov. 4	10.39
May 5	2.30	Mar. 5	2.65		
Well 224					
Owner: City of San Antonio. Altitude of land surface: 723.75 feet.					
Oct. 25, 1948	63.57	July 3, 1950	61.08	Apr. 26, 1952	75.93
Nov. 26	63.62	Aug. 15	63.20	May 3	76.95
Dec. 1	64.10	Sept. 28	63.58	June 2	77.84
Jan. 3, 1949	64.28	Oct. 2	63.36	July 1	81.05
Feb. 28	61.58	Nov. 13	65.38	Aug. 3	84.09
Mar. 6	60.90	Dec. 26	65.55	Sept. 22	78.08
Apr. 29	48.86	Jan. 2, 1951	65.57	Oct. 1	79.22
May 2	48.21	Feb. 26	67.50	Nov. 30	75.13
June 13	52.65	Mar. 1	67.70	Dec. 31	71.32
July 5	53.41	Apr. 1	68.54	Jan. 5, 1953	70.37
Aug. 9	56.92	May 27	68.89	Feb. 2	72.87
Sept. 5	60.59	June 4	68.08	Mar. 1	74.42
Oct. 28	53.35	July 2	73.40	Apr. 6	76.32
Nov. 1	54.01	Aug. 6	78.49	May 18	78.48
Dec. 19	56.78	Sept. 26	76.25	June 1	83.23
Jan. 3, 1950	56.76	Oct. 29	75.99	July 5	84.65
Feb. 22	55.66	Nov. 28	75.58	Aug. 31	83.15
Mar. 6	55.91	Dec. 3	75.22	Sept. 14	74.49
Apr. 24	57.92	Jan. 7, 1952	75.64	Oct. 31	77.16
May 15	57.77	Feb. 29	76.52	Nov. 8	76.01
June 6	56.34	Mar. 3	76.12	Dec. 21	75.11
Jan. 2, 1954	75.52	May 3, 1954	83.30	Sept. 2, 1954	92.15
Feb. 1	77.50	June 1	85.62	Oct. 11	87.63
Mar. 6	80.34	July 1	87.26	Nov. 16	86.22
Apr. 19	83.34	Aug. 3	90.51	Dec. 27	85.69

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well 247					
Owner: Gus Nelson. Altitude of land surface: 751.31 feet.					
Nov. 14, 1950	98.60	Aug. 6, 1950	113.40	Jan. 8, 1953	102.8
Dec. 5	98.98	Sept. 10	113.64	May 6	111.70
Jan. 5, 1951	99.57	Oct. 30	108.20	July 14	118.94
Feb. 6	100.38	Mar. 5, 1952	108.87	Sept. 22	109.74
Mar. 5	100.05	Apr. 3	105.30	Nov. 6	107.52
May 11	101.40	Sept. 5	120.70	Jan. 6, 1954	107.79
June 6	96.73	Nov. 4	113.8		
Well D-1					
Owner: Gus Benke. Altitude of land surface: 1,044.64 feet.					
July 22, 1933	286.90	Aug. 27, 1936	241.67	July 1, 1952	369.15
May 23, 1934	286.71	Jan. 4, 1937	259.26	Sept. 4	379.75
June 21	292.15	Aug. 30, 1949	295.6	Nov. 5	361.58
July 31	279.59	Oct. 7	296.82	Jan. 7, 1953	332.08
Aug. 24	296.46	June 5, 1950	286.48	Mar. 3	354.60
Sept. 21	300.21	Sept. 6	322.77	May 6	352.71
Oct. 10	302.05	Oct. 4	326.10	July 16	363.55
Dec. 21	303.27	Nov. 6	332.13	Sept. 21	319.95
Feb. 3, 1935	309.02	Dec. 5	338.17	Nov. 5	336.75
Feb. 4	309.06	Jan. 5, 1951	346.96	Jan. 7, 1954	353.33
Apr. 9	309.76	Feb. 8	252.65	Mar. 4	363.84
May 21	254.77	Mar. 6	353.75	May 5	370.89
June 28	219.02	May 12	356.45	July 8	376.94
July 2	239.60	Sept. 11	366.18	Aug. 26	384.61
Sept. 27	236.15	Nov. 1	367.60	Nov. 1	372.23
Jan. 20, 1936	267.10	Dec. 28	367.80		
Well D-4					
Owner: O. E. Stalte. Altitude of land surface: 956.14 feet.					
Sept. 20, 1933	222	Nov. 4, 1949	238.57	May 3, 1950	242.71
Aug. 24, 1934	230.22	Jan. 27, 1950	245.23	June 4	205.48
Aug. 31, 1949	236.70	Feb. 24	239.43	July 5	236.10
Oct. 7	244.52	Mar. 29	247.53	Sept. 6	248.66
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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well D-4--continued					
Oct. 5, 1950	251.76	Nov. 1, 1951	287.82	July 16, 1953	294.10
Nov. 8	257.59	Dec. 28	290.95	Sept. 21	246.24
Dec. 5	260.90	Mar. 5, 1952	288.90	Nov. 5	262.22
Jan. 5, 1951	268.20	Apr. 3	285.98	Jan. 8, 1954	275.58
Feb. 6	272.81	July 1	290.20	Mar. 5	285.10
Mar. 6	274.54	Sept. 4	299.32	May 5	291.79
May 12	277.80	Nov. 5	284.21	July 8	297.43
June 7	272.90	Jan. 7, 1953	257.29	Aug. 26	303.06
Aug. 7	287.06	Mar. 3	276.23	Nov. 1	295.92
Sept. 11	289.83	May 6	279.07		

Well D-5

Owner: W. E. Kossaeth. Altitude of land surface: 936.81 feet.

Sept. 22, 1933	233.86	July 5, 1950	243.93	May 12, 1951	268.20
Aug. 30, 1949	242.98	Sept. 6	251.83	June 7	265.25
Nov. 4, 1949	237.63	Oct. 5	253.20	Aug. 7	275.11
Jan. 27, 1950	246.83	Nov. 6	239.65	Sept. 11	277.27
Feb. 24	242.99	Dec. 5	258.52	Nov. 1	276.58
Mar. 29	247.10	Jan. 5, 1951	261.42	Dec. 28	276.14
May 3	246.30	Feb. 6	264.28	Mar. 5, 1952	277.72
June 5	230.59	Mar. 6	275.20	Apr. 8	277.37

Well D-6

Owner: Charles E. Hoffman. Altitude of land surface: 914.29 feet.

June 17, 1946	215.8	Aug. 2, 1950	235.64	June 7, 1951	245.27
Oct. 7	231.53	Sept. 6	236.43	Aug. 7	254.76
Nov. 3	222.46	Oct. 5	239.65	Sept. 11	256.92
Jan. 27, 1950	230.24	Nov. 8	240.56	Nov. 1	256.50
Feb. 24	227.09	Dec. 5	243.38	Dec. 28	255.25
Mar. 29	231.26	Jan. 5, 1951	245.61	Mar. 5, 1952	256.83
May 3	230.13	Feb. 6	246.33	Apr. 3	256.35
June 5	220.43	Mar. 6	245.33	July 1	259.55
July 5	231.85	May 12	248.02	Sept. 4	266.02

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well D-6--continued					
Nov. 5, 1952	257.51	Sept. 21, 1953	245.84	May 5, 1954	263.07
Jan. 7, 1953	245.19	Nov. 5	250.80	July 8	267.22
Mar. 3	251.53	Jan. 7, 1954	252.96	Aug. 26	272.36
May 6	255.97	Mar. 6	258.33	Nov. 1	269.02
July 16	263.95				
Well D-12					
Owner: Rudolph Biering. Altitude of land surface: 968.04 feet.					
Oct. 18, 1932	244.9	Apr. 10, 1935	265.94	Mar. 7, 1951	274.70
Nov. 18	245.65	June 28	229.10	May 12	277.97
Jan. 15, 1933	246.95	Sept. 29	215.55	June 5	278.49
Apr. 9	246.81	Nov. 19	217.05	Aug. 7	281.52
July 18	252.37	Jan. 18, 1936	223.83	Sept. 11	282.64
Sept. 18	255.79	Aug. 26	199.30	Oct. 30	285.30
Oct. 17	256.98	Dec. 30	214.53	Dec. 28	286.61
Nov. 20	258.32	Aug. 31, 1949	250.95	Mar. 4, 1952	288.97
Dec. 18	259.66	Oct. 11	254.90	Apr. 10	289.42
Jan. 19, 1934	260.57	Nov. 4	253.78	July 1	292.22
Feb. 19	259.96	Jan. 27, 1950	259.16	Nov. 6	289.74
Mar. 19	258.56	Feb. 24	259.12	Jan. 7, 1953	281
Apr. 18	255.75	Mar. 30	260.25	Mar. 3	284.05
May 21	253.15	May 4	261.11	May 8	286.85
June 19	255.05	June 5	256.70	Sept. 21	281.94
July 20	256.88	July 6	256.94	Nov. 5	280.10
Aug. 22	258.02	Aug. 2	257.38	Jan. 8, 1954	283.32
Sept. 19, 1934	260.01	Sept. 6	260.18	Mar. 3	286.75
Oct. 13	261.23	Oct. 6	263.17	May 5	290.53
Nov. 20	263.08	Nov. 8	266.42	July 8	293.64
Dec. 19	264.90	Dec. 5	269.07	Aug. 26	295.49
Feb. 2, 1935	265.53	Jan. 6, 1951	271.12	Oct. 11	297.05
Feb. 28	265.12	Feb. 6	273.55	Nov. 3	298.06
				Dec. 1	298.77

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well D-15					
Owner: F. H. Maltzberger. Altitude of land surface: 1,042.81 feet.					
Sept.27, 1933	161.72	Aug. 5, 1935	144.62	Jan. 6, 1951	174.15
Jan. 19, 1934	170.40	Sept.29	136.80	Feb. 6	177.77
Feb. 19	163.77	Aug. 26, 1936	169.00	Mar. 7	178.64
Mar. 1	166.65	Aug. 31, 1949	165.57	May 13	185.49
Mar. 19	175.6	Nov. 4	156.55	June 5	188.79
Apr. 18	167.40	Jan. 27, 1950	169.34	Aug. 7	202.97
May 21	167.01	Feb. 24	169.02	Sept.11	204.80
June 19	193	May 5	178.21	Oct. 30	203.30
July 30	165.32	June 5	175.49	Dec. 28	207.30
Oct. 12	168.86	July 6	172.16	Mar. 4, 1952	206.26
Dec. 19	169.19	Aug. 8	165.92	Apr. 13	199.43
Feb. 2, 1935	171.15	Sept. 7	180.92	June 1	195.96
Apr. 10	171.80	Oct. 6	183.47	Nov. 6	188.7
May 20	168.80	Nov. 8	181.35	Jan. 7, 1953	179.25
June 28	133.05	Dec. 5	184.45	Jan. 8, 1954	1254
Well D-16					
Owner: R. W. Barham. Altitude of land surface: 1,050.33 feet.					
Mar. 19, 1934	78.00	Oct. 12, 1934	78.26	June 28, 1935	71.11
Apr. 18	76.20	Nov. 20	77.93	Aug. 5	72.10
May 21	77.74	Dec. 19	78.04	Sept.29	68.80
June 19	77.76	Feb. 2, 1935	78.33	Nov. 19	77.58
July 30	75.92	Feb. 28	77.73	Jan. 18, 1936	77.68
Aug. 22	78.20	Apr. 10	77.39	Aug. 26	77.08
Sept.19	78.24	May 20	65.83	Dec. 30	77.22
Well D-56					
Owner: R. W. Barham.					
Sept.18, 1952	99.01	July 16, 1953	108.45	May 5, 1954	109.10
Nov. 6	103.89	Sept.21	99.50	July 8	116.80
Jan. 7, 1953	97.46	Nov. 5	99.68	Aug. 26	116.0
Mar. 3	102.06	Jan. 8, 1954	102.3	Nov. 3	113.37
May 8	105.86	Mar. 3	105.89		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-26					
Owner: Ed Bacon. Altitude of land surface: 1,003.92 feet.					
Dec. 22, 1933	288.08	Aug. 3, 1950	287.27	Mar. 4, 1952	296.63
Mar. 2, 1934	288.50	Sept. 7	290.99	Sept. 5	301.30
Oct. 12	291.28	Oct. 6	289.18	Jan. 8	299.80
Mar. 1, 1935	290.88	Nov. 8	289.64	Mar. 9	300.77
Nov. 20	259.98	Dec. 5	292.16	May 8	302.76
Sept. 1, 1949	275.65	Jan. 6, 1951	287.39	July 17	304.14
Nov. 7	277.84	Feb. 6	288.05	Sept. 22	311.1
Jan. 31, 1950	280.49	Mar. 26	292.93	Jan. 8, 1954	±307
Feb. 27	286.53	May 11	290.61	Mar. 5	±306.25
Mar. 30	280.94	June 6	290.79	May 6	307.70
May 4	281.71	July 25	291.89	July 9	307.94
June 5	281.61	Oct. 30	294.55	Aug. 27	308.54
July 6	282.41	Dec. 28	295.15	Nov. 3	309.21
Well E-41					
Owner: Adolf Benke. Altitude of land surface: 906.83 feet.					
July 21, 1932	204.7	Dec. 19, 1934	214.99	Sept. 6, 1950	215.79
Oct. 18	200.65	Feb. 2, 1935	215.36	Oct. 6	217.20
Nov. 18	200.98	Feb. 28	215.09	Nov. 8	219.37
Apr. 9, 1933	201.06	Apr. 10	215.93	Dec. 5	220.91
July 18	204.93	May 20	211.50	Jan. 6, 1951	222.57
Aug. 17	206.18	June 28	188.12	Mar. 7	225.32
Sept. 18	207.14	Sept. 29	184.90	May 12	227.96
Oct. 17	207.73	Nov. 19	183.00	June 5	227.97
Nov. 20	208.81	Jan. 18, 1936	185.68	Aug. 7	231.15
Dec. 18	209.73	Aug. 26	168.94	Sept. 11	233.36
Jan. 19, 1934	210.32	Dec. 30	176.61	Oct. 30	235.17
Feb. 19	209.58	Aug. 31, 1949	209.13	Dec. 28	236.36
Mar. 19	208.48	Oct. 11	212.62	Mar. 4, 1952	238.14
Apr. 18	207.02	Nov. 4	208.84	Apr. 10	238.88
May 21	205.95	Jan. 27, 1950	212.37	July 1	239.80
June 19	207.54	Feb. 24	212.40	Sept. 4	240.96
July 30	209.54	Mar. 30	213.14	Nov. 6	239.88
Aug. 22	209.83	May 3	212.67	Jan. 7, 1953	235.83
Sept. 19	211.50	June 5	212.19	Mar. 3	±234.5
Oct. 11	213	July 6	212.32	May 8	±237.75
Nov. 20	214.05	Aug. 2	215.44	July 16	242.90

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-45					
Owner: George Calvert. Altitude of land surface: 875.57 feet.					
July 21, 1932	190.3	Feb. 19, 1934	191.04	Feb. 28, 1935	197.05
Oct. 18	184.9	Mar. 19	189.96	Apr. 10	197.70
Nov. 18	185.71	Apr. 18	188.76	May 20	181.90
Apr. 1, 1933	186.0	May 21	190.84	June 28	170.28
July 18	190.17	June 19	193.61	Aug. 5	176.40
Aug. 17	190.51	July 30	192.61	Sept. 29	175.72
Sept. 18	190.65	Aug. 22	195.39	Jan. 18, 1936	180.00
Oct. 17	191.23	Sept. 19	196.54	Aug. 26	175.25
Nov. 20	191.65	Nov. 20	197.14	Dec. 30	175.88
Dec. 18	192.03	Dec. 19	197.51		
Jan. 19, 1934	191.65	Feb. 2, 1935	197.39		
Well E-60					
Owner: H. D. Cope. Altitude of land surface: 894.14 feet.					
Aug. 6, 1933	214.9	Nov. 8, 1950	232.48	July 2, 1952	248.80
Oct. 11, 1934	220.1	Dec. 5	232.81	Sept. 5	254.45
Sept. 1, 1949	224.91	Jan. 6, 1951	233.46	Nov. 7	248.94
Nov. 7	220.27	Feb. 6	234.88	Jan. 8, 1953	238.12
Jan. 31, 1950	223.76	Mar. 7	236.85	Mar. 9	243.31
Feb. 27	221.01	May 11	237.82	May 8	247.47
Mar. 30	225.02	June 6	235.93	July 7	254.40
May 3	224.14	Aug. 6	244.46	Sept. 22	243.79
June 5	221.72	Sept. 12	246.18	Nov. 6	244.65
July 6	227.31	Oct. 30	244.07	Jan. 8, 1954	244.75
Aug. 3	230.41	Dec. 27	243.80	Mar. 4	248.75
Sept. 7	230.39	Mar. 4, 1952	244.97	July 9	256.22
Oct. 6	230.63	Apr. 3	244.99	Aug. 27	260.84
				Nov. 3	257.76
Well E-74					
Owner: Alex Chitwood. Altitude of land surface: 841.05 feet.					
Aug. 3, 1950	177.41	Oct. 9, 1950	176.42	Dec. 5, 1950	177.88
Sept. 7	177.26	Nov. 9	177.84	Jan. 6, 1951	178.44
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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-74--continued					
Feb. 6, 1951	179.75	Mar. 5, 1952	188.74	July 17, 1953	199.70
Mar. 5	180.20	Apr. 3	188.83	Sept. 22	189.62
May 11	182.30	July 2	193.10	Nov. 6	188.00
June 6	180.00	Sept. 5	199.86	Jan. 8, 1954	189.56
Aug. 6	191.06	Nov. 7	193.2	Mar. 4	193.08
Sept. 12	191.98	Jan. 6, 1953	182.55	May 6	197.70
Oct. 30	188.19	Mar. 9	187.24	July 9	201.87
Dec. 27	187.95	May 8	192.85		
Well E-143					
Owner: Chas. Kuhn, Sr. Altitude of land surface: 874.76 feet.					
Feb. 27, 1950	198.40	Mar. 6, 1951	213.38	Jan. 7, 1953	215.53
Mar. 30	202.28	May 11	215.00	Mar. 3	219.97
May 3	201.01	June 6	212.91	Sept. 21	220.52
June 5	197.40	Aug. 7	222.82	Nov. 5	221.20
July 6	203.70	Sept. 11	224.39	Jan. 7, 1954	221.76
Aug. 2	207.06	Oct. 30	221.63	Mar. 3	226.44
Sept. 6	208.39	Dec. 27	221.52	May 11	229.80
Oct. 5	208.91	Mar. 14, 1952	222.60	July 8	234.67
Nov. 8	209.69	Apr. 3	222.77	Aug. 26	239.72
Dec. 5	209.55	July 1	226.35	Nov. 3	235.02
Jan. 5, 1951	212.20	Sept. 4	233.04		
Feb. 6	212.25	Nov. 6	226.0		
Well E-171					
Owner: L. K. Steaman.					
Mar. 3, 1954	280.22	July 8, 1954	286.08	Nov. 3, 1954	290.68
May 5	284.69	Aug. 26	288.32		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-12					
July 20, 1932	234.08	Nov. 20, 1935	220.47	Sept. 10, 1951	258.96
Oct. 19	232.4	Jan. 18, 1936	222.85	Oct. 30	258.94
Jan. 16, 1933	232.38	Aug. 28	218.26	Dec. 27	258.76
July 17	234.68	Sept. 13, 1949	241.56	Feb. 29, 1952	259.82
Sept. 19	235.28	Oct. 4	242.81	Apr. 4	260.19
Nov. 21	235.77	Nov. 7	240.10	June 30	261.42
Dec. 20	236.04	Jan. 31, 1950	241.70	Sept. 3	265.45
Jan. 19, 1934	236.17	Feb. 27	241.02	Nov. 3	262.60
Feb. 20	234.88	Mar. 30	242.02	Jan. 6, 1953	256.80
Mar. 20	233.57	May 4	244.60	Mar. 6	257.35
Apr. 19	233.54	June 6	243.12	May 7	260.64
May 22	234.20	July 6	244.80	July 17	265.24
June 20	235.76	Aug. 7	247.45	Sept. 18	262.16
July 30	236.63	Sept. 7	247.75	Nov. 4	261.07
Aug. 23	236.82	Oct. 6	247.69	Jan. 8, 1954	259.7
Sept. 20	238.00	Nov. 8	248.98	Mar. 2	261.72
Oct. 10	238.40	Dec. 5	249.30	May 5	265.16
Nov. 20	239.00	Jan. 4, 1951	249.61	July 7	267.96
Feb. 2, 1935	238.48	Feb. 5	250.65	Aug. 26	272.15
Mar. 1	237.62	Mar. 7	251.30	Oct. 12	272.56
Apr. 10	238.18	May 11	253.21	Nov. 2	272.14
June 26	223.25	June 8	252.38		
Aug. 3	221.63	Aug. 6	261.53		
Well F-20					
Owner: Don H. Classen. Altitude of land surface: 867.40 feet.					
Oct. 12, 1933	204.12	Sept. 7, 1950	215.18	Nov. 3, 1952	225.84
Oct. 10, 1934	206.22	Oct. 9	215.51	Jan. 6, 1953	221.40
Aug. 9, 1935	189.43	Nov. 9	216.62	May 7	224.25
Nov. 21	190.08	Dec. 5	216.96	July 14	225.37
Jan. 19, 1936	191.82	Jan. 4, 1951	217.12	Sept. 18	224.83
Sept. 13, 1949	209.81	Mar. 7	218.33	Nov. 5	224.75
Oct. 4	211.03	May 11	219.88	Jan. 5, 1954	223.77
Nov. 7	209.47	June 8	218.51	Mar. 2	225.72
Feb. 1, 1950	207.40	Aug. 8	228.80	May 4	229.21
Feb. 28	209.53	Sept. 10	224.60	July 7	232.06
Mar. 30	210.20	Oct. 29	220.50	Aug. 25	235.02
May 4	210.87	Dec. 27	224.52	Oct. 12	235.22
June 6	211.13	Apr. 4, 1952	225.54	Nov. 2	234.80
July 7	212.44	June 30	226.98	Dec. 2	233.89
Aug. 7	214.45	Sept. 3	230.2		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-24					
Owner: Chas. Fake. Altitude of land surface: 917.61 feet.					
Oct. 12, 1933	250.65	Dec. 5, 1950	266.36	Jan. 6, 1953	270.02
Oct. 8, 1934	254.50	Jan. 4, 1951	267.06	Mar. 6	274.50
Aug. 9, 1935	241.60	Feb. 5	268.06	May 7	278.55
Nov. 21	241.94	Mar. 7	269.87	July 14	284.90
Sept. 13, 1949	261.56	May 11	270.95	Sept. 18	275.35
Oct. 4	261.13	June 8	268.54	Nov. 4	274.99
Nov. 7	257.38	Aug. 6	279.17	Jan. 5, 1954	274.81
Feb. 1, 1950	258.45	Sept. 10	278.64	Mar. 2	279.24
Feb. 28	257.39	Oct. 30	274.94	May 4	281.38
Mar. 30	260.78	Dec. 27	276.98	July 7	285.97
May 4	259.79	Feb. 29, 1952	275.61	Aug. 25	291.08
Aug. 7	266.86	Apr. 4	276.28	Oct. 12	286.03
Sept. 7	265.50	June 30	279.32	Nov. 2	286.14
Oct. 9	265.20	Sept. 3	285.90	Dec. 2	284.84
Nov. 9	266.42	Nov. 3	279.3		
Well F-30					
Owner: John Eisenhauer. Altitude of land surface: 874.32 feet.					
July 20, 1932	202.14	Nov. 20, 1934	206.87	Aug. 3, 1950	218.20
Oct. 19	200.05	Dec. 19	206.92	Sept. 7	217.14
Jan. 16, 1933	199.68	Feb. 4, 1935	206.31	Oct. 6	216.82
Apr. 10	200.06	Apr. 10	206.13	Nov. 8	218.20
July 17	203.08	May 20	200.18	Dec. 5	218.48
Aug. 18	202.83	Sept. 29	189.75	Jan. 4, 1951	218.56
Oct. 18	203.08	Jan. 18, 1936	192.11	Feb. 5	219.95
Nov. 21	203.39	Aug. 28	188.11	Mar. 7	220.40
Dec. 20	203.50	Jan. 5, 1937	189.56	May 11	222.62
Jan. 19, 1934	203.35	Sept. 13, 1949	212.36	June 8	221.05
Feb. 20	202.48	Oct. 4	212.93	Aug. 6	227.95
Mar. 20	201.31	Nov. 7	208.50	Sept. 10	229.97
Apr. 19	200.85	Jan. 31, 1950	213.50	Oct. 30	228.63
May 22	202.31	Feb. 27	209.76	Dec. 27	228.65
June 20	204.29	Mar. 30	211.57	Feb. 29, 1952	229.40
July 30	204.54	May 4	211.59	Apr. 4	229.20
Sept. 20	206.25	June 6	211.02	June 30	232.90
Oct. 10	206.70	July 6	214.22	Sept. 3	236.92

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-30--continued					
Nov. 3, 1952	242.19	Sept. 18, 1953	229.64	July 7, 1954	238.88
Jan. 6, 1953	224.36	Nov. 4	228.95	Aug. 26	242.87
Mar. 6	226.68	Jan. 8, 1954	228.4	Oct. 12	240.38
May 7	230.06	Mar. 2	230.84	Nov. 2	240.15
July 14	236.35	May 4	234.62		
Well F-40					
Owner: R. V. Smith. Altitude of land surface: 831.70 feet.					
Sept. 29, 1933	157.12	Dec. 5, 1950	155.22	Jan. 3, 1952	171.94
Oct. 10, 1934	153.62	Jan. 22, 1951	158.54	Jan. 6, 1953	163.13
Sept. 1, 1949	136.25	Feb. 6	159.24	Mar. 6	164.17
Oct. 4	140.69	Mar. 7	160.09	May 7	166.30
Nov. 7	134.13	May 11	161.12	July 15	171.75
Jan. 21, 1950	140.08	June 8	155.48	Sept. 18	167.81
Feb. 27	140.37	Aug. 6	162.28	Nov. 4	168.39
Mar. 30	142.19	Sept. 12	165.12	Jan. 8, 1954	168.73
May 4	143.27	Oct. 8	165.38	Mar. 2	170.76
June 6	144.06	Oct. 30	165.72	May 6	173.99
July 5	146.95	Dec. 27	167.07	July 7	175.98
Aug. 3	152.48	Mar. 3, 1952	164.57	Aug. 28	178.82
Sept. 7	147.77	Apr. 7	166.45	Nov. 4	178.39
Oct. 6	146.66	June 30	169.20		
Nov. 8	152.17	Sept. 3	173.09		
Well F-62					
Owner: D. W. McGee. Altitude of land surface: 820.66 feet.					
July 19, 1932	151.25	Nov. 21, 1933	149.26	Aug. 23, 1934	153.18
Oct. 19	145.50	Dec. 20	149.23	Sept. 20	153.51
July 17, 1933	149.05	Jan. 19, 1934	148.88	Oct. 10	153.90
Aug. 18	148.88	Feb. 20	148.55	Nov. 20	153.40
Sept. 19	148.54	Apr. 19	146.88	Dec. 19	153.42
Oct. 18	149.28	June 20	151.81	Feb. 4, 1935	153.17
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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-62--continued					
Mar. 1, 1935	152.76	Jan. 18, 1936	142.18	Feb. 28, 1950	164.59
Apr. 8	152.75	Aug. 28	140.52	Mar. 31	169.54
May 19	145.15	Jan. 5, 1937	139.90	May 5	167.66
June 26	135.35	Sept. 14, 1939	169.98	June 6	165.10
Sept. 26	140.05	Nov. 7	165.08	July 7	172.24
Nov. 19	140.82	Feb. 1, 1950	165.87	Aug. 3	174.95
Well F-74					
Owner: J. E. McCord. Altitude of land surface: 815.88 feet.					
June 15, 1946	146.35	Nov. 9, 1950	164.40	Jan. 6, 1953	167.62
Sept. 13, 1949	159.68	Dec. 5	166.08	Mar. 6	172.50
Oct. 4	159.87	Mar. 7, 1951	167.83	May 7	176.69
Nov. 7	153.92	May 11	168.55	July 14	183.20
Feb. 1, 1950	156.23	June 8	166.30	Sept. 18	173.17
Feb. 27	155.08	Aug. 6	176.30	Nov. 4	170.23
Mar. 30	158.70	Sept. 10	177.36	Jan. 5, 1954	178.83
May 5	157.50	Oct. 30	173.08	Mar. 2	177.40
June 6	155.52	Dec. 27	172.44	May 4	179.69
July 6	161.36	Feb. 29, 1952	173.44	July 7	184.55
Aug. 3	164.04	Apr. 4	174.16	Aug. 25	189.80
Sept. 7	163.11	Sept. 3	184.02	Nov. 2	184.49
Oct. 6	162.90	Nov. 3	177.59		
Well F-75					
Owner: V. W. Brinkerhoff, Jr. Altitude of land surface: 808.51 feet.					
June 20, 1946	139.95	Dec. 5, 1950	155.55	Nov. 3, 1952	169.29
Sept. 13, 1949	151.19	Feb. 5, 1951	159.83	Jan. 6, 1953	159.57
Oct. 4	151.39	Mar. 7	158.76	Mar. 6	164.43
Nov. 7	145.45	May 11	159.45	May 7	168.59
Feb. 1, 1950	147.59	June 8	157.38	Sept. 18	165.17
Feb. 27	146.49	Aug. 6	167.67	Nov. 4	164.86
Mar. 30	151.35	Sept. 10	168.44	Jan. 5, 1954	164.72
June 6	147.01	Oct. 30	164.50	May 4	171.87
July 6	153.05	Feb. 29, 1952	164.67	July 7	176.54
Sept. 7	154.37	Spr. 4	165.48	Aug. 28	182.16
Oct. 6	154.43	June 30	168.61	Nov. 2	176.40
Nov. 9	155.53	Sept. 3	175.98		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-86					
Owner: Beitel Church. Altitude of land surface: 721.63 feet.					
Oct. 3, 1933	52.34	Apr. 9, 1942	50.21	May 25, 1951	72.57
Oct. 10, 1934	57.85	Aug. 3	50.21	June 7	71.67
Aug. 9, 1935	44.85	Dec. 3	44.18	July 3	77.61
Aug. 28	44.00	Apr. 20, 1943	50.70	Aug. 6	82.32
Nov. 21	45.02	Sept. 9	55.13	Sept. 11	83.55
Feb. 26, 1938	46.06	Dec. 21	55.69	Oct. 8	80.11
Mar. 23	46.72	Aug. 24, 1944	56.86	Oct. 29	78.96
Apr. 26	45.65	Dec. 19	49.87	Dec. 27	78.93
May 28	44.74	May 23, 1945	47.29	Feb. 29, 1952	79.42
June 27	48.10	Mar. 19, 1946	52.58	Apr. 4	80.23
July 26	49.72	July 3, 1947	56.13	June 3	81.73
Aug. 22	51.11	Nov. 8	59.18	June 30	83.40
Sept. 25	51.00	Apr. 23, 1948	64.60	Aug. 1	86.91
Oct. 26	51.89	June 24	69.30	Oct. 1	±82.3
Dec. 8	51.80	July 1	65.98	Nov. 7	83.71
Jan. 24, 1939	51.48	Aug. 6	70.18	Dec. 2	77.41
Feb. 28	52.57	Jan. 10, 1949	69.15	Jan. 6, 1953	73.34
Mar. 29	53.41	Mar. 8	65.44	Feb. 9	76.96
Apr. 22	56.18	Apr. 18	66.04	Mar. 6	78.80
May 25	56.48	May 16	54.37	Apr. 7	79.37
July 3	59.15	Aug. 30	65.05	May 5	82.50
Oct. 5	59.60	Oct. 4	65.78	June 3	86.95
Dec. 19	58.17	Nov. 7	59.52	Aug. 7	93.50
Jan. 30, 1940	57.92	Dec. 7	61.36	Sept. 18	78.81
Feb. 20	58.43	Feb. 1, 1950	61.94	Oct. 16	82.10
Mar. 22	59.51	Feb. 28	60.63	Nov. 2	79.10
Apr. 26	60.91	Mar. 31	64.18	Dec. 7	77.92
May 23	60.48	May 4	63.49	Jan. 4, 1954	78.10
June 21	59.03	June 6	61.17	Feb. 4	80.64
July 25	60.12	July 6	67.58	Mar. 1	83.15
Aug. 28	63.67	Aug. 4	70.79	May 3	79.66
Sept. 24	63.18	Sept. 7	69.17	June 7	83.62
Oct. 25	63.02	Oct. 6	70.44	July 6	83.56
Dec. 4	59.58	Nov. 9	70.10	Aug. 4	86.43
Jan. 23, 1941	57.03	Dec. 4	70.03	Aug. 23	87.71
Mar. 25	49.25	Jan. 4, 1951	70.35	Oct. 4	85.90
May 29	44.23	Feb. 4	71.82	Oct. 12	76.09
Aug. 7	49.72	Mar. 7	72.85	Nov. 2	76.71
Nov. 14	48.54	May 8	74.29	Dec. 2	74.30

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-91					
Owner: Mrs. Bessie Cade.	Altitude of land surface:	790.23 feet.			
Oct. 2, 1933	122.85	Nov. 8, 1949	131.04	June 6, 1950	132.53
June 24, 1948	138.88	Feb. 1, 1950	133.50	July 7	140.76
Aug. 29, 1949	136.25	Feb. 28	131.88		
Oct. 10	137.93	May 4	134.71		
Well F-172					
Well F-191					
Owner: City of San Antonio.	Altitude of land surface:	778.84 feet.			
May 30, 1952	133.73	Apr. 14, 1953	131.14	Mar. 1, 1954	135.97
June 1	133.75	May 18	134.25	Apr. 15	138.86
July 4	137.53	June 1	138.18	May 3	138.75
Aug. 1	139.58	July 5	140.19	June 1	141.04
Sept. 15	135.1	Aug. 31	138.61	July 1	142.72
Oct. 1	135.2	Sept. 8	129.88	Aug. 2	145.72
Nov. 29	130.55	Oct. 31	132.94	Sept. 6	147.60
Dec. 31	126.14	Nov. 16	131.88	Oct. 11	143.65
Jan. 2, 1953	125.82	Dec. 21	130.88	Nov. 17	142.02
Feb. 2	128.81	Jan. 2, 1954	131.33	Dec. 27	141.55
Mar. 1	130.22	Feb. 1	132.87		
Owner: Mrs. Bessie Cade, Estate.	Altitude of land surface:	791.85 feet.			
June 24, 1948	141.90	Feb. 5, 1951	144.35	Nov. 7, 1952	156.53
Feb. 28, 1950	133.30	Mar. 7	145.34	Jan. 6, 1953	146.26
Mar. 3	136.82	May 1	146.84	Mar. 6	151.68
May 4	136.07	June 8	144.71	May 8	155.77
June 6	133.89	Aug. 6	155.05	Sept. 18	152.20
July 7	140.72	Sept. 10	156.31	Nov. 16	151.56
Aug. 4	143.50	Oct. 29	151.64	Jan. 4, 1954	151.18
Sept. 7	141.84	Dec. 27	151.10	Mar. 1	156.14
Oct. 9	141.50	Jan. 29, 1952	152.07	Aug. 23	168.42
Nov. 9	142.88	Apr. 4	152.95	Nov. 2	163.57
Dec. 6	142.73	June 30	156.18		
Jan. 4, 1951	142.96	Sept. 2	163.94		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-5					
Owner: A. W. Ullrich. Altitude of land surface: 768.15 feet.					
Sept. 13, 1949	109.70	May 25, 1951	116.40	July 14, 1953	130.90
Oct. 4	110.28	June 8	115.51	Aug. 7	134.36
Nov. 7	105.05	Aug. 6	123.78	Sept. 18	122.25
Feb. 1, 1950	107.00	Sept. 10	124.66	Oct. 16	123.32
Feb. 28	105.97	Oct. 29	121.77	Nov. 12	122.20
Mar. 30	109.08	Dec. 27	121.48	Dec. 7	121.36
May 4	108.12	Feb. 29, 1952	122.32	Jan. 5, 1954	121.65
June 6	106.67	Apr. 4	123.00	Feb. 4	123.22
July 6	111.71	June 30	124.77	Mar. 2	125.56
Aug. 4	114.25	Sept. 3	131.82	Apr. 6	129.52
Sept. 7	113.04	Nov. 3	125.79	May 3	127.57
Oct. 9	112.99	Dec. 3	120.61	June 7	132.44
Nov. 9	114.13	Jan. 6, 1953	117.38	July 6	131.79
Dec. 6	114.09	Feb. 9	119.98	Aug. 4	134.83
Jan. 4, 1951	114.00	Mar. 6	121.28	Aug. 24	136.36
Feb. 5	115.47	Apr. 7	122.32	Oct. 4	133.35
Mar. 7	116.24	May 7	125.00	Nov. 2	131.84
May 11	117.71	June 3	128.65		
Well G-7					
Owner: Converse Water Co. Altitude of land surface: 710.11 feet.					
Oct. 2, 1933	39.20	Oct. 25, 1940	50.13	Jan. 4, 1951	57.50
Feb. 26, 1938	31.93	Dec. 4	46.46	Feb. 5	59.31
Apr. 26	31.94	Jan. 23, 1941	44.03	Mar. 7	60.30
July 26	36.82	May 29	31.35	May 10	61.64
Aug. 22	31.90	Aug. 8	36.50	May 25	59.96
May 25, 1939	44.90	Apr. 9, 1942	37.10	June 8	59.28
July 4	46.10	Apr. 12, 1950	51.88	Aug. 6	69.25
Oct. 5	46.46	May 6	51.23	Sept. 10	70.82
Dec. 19	44.83	June 6	48.95	Oct. 8	67.63
Feb. 20, 1940	45.15	July 7	55.76	Oct. 29	66.64
Mar. 22	46.34	Aug. 4	58.61	Dec. 27	66.06
Apr. 26	47.63	Sept. 7	56.86	Feb. 29, 1952	67.02
May 23	47.21	Oct. 6	56.52	Apr. 4	67.78
June 21	45.96	Nov. 9	57.82	June 30	71.25
Sept. 24	50.30	Dec. 6	57.70	Sept. 3	78.48

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-7--continued					
Nov. 3, 1952	71.40	July 4, 1953	77.98	Mar. 2, 1954	70.87
Jan. 6, 1953	61.21	Sept. 18	66.96	May 4	73.26
Mar. 6	66.22	Nov. 4	66.36	July 7	78.29
May 7	70.67	Jan. 5, 1954	66.35	Nov. 2	78.52
Well G-10					
Owner: Southern Pacific Railroad. Altitude of land surface: 762.37 feet.					
Oct. 3, 1933	92.39	Nov. 9, 1950	108.95	Nov. 3, 1952	122.47
Oct. 10, 1934	97.05	Dec. 6	109.04	Jan. 6, 1953	112.64
June 24, 1948	108.36	Jan. 4, 1951	109.09	Mar. 6	117.30
Aug. 29, 1949	103.75	Feb. 5	110.61	May 7	121.76
Oct. 10	105.31	Mar. 7	111.64	July 4	128.57
Nov. 8	99.03	May 10	113.07	Sept. 18	118.18
Feb. 1, 1950	100.96	June 8	110.75	Nov. 4	117.64
Feb. 28	99.94	Aug. 6	120.47	Jan. 5, 1954	117.80
Mar. 31	103.48	Sept. 24	121.82	Mar. 2	122.06
May 4	102.37	Oct. 29	117.82	May 4	124.57
June 6	100.36	Dec. 27	117.14	July 7	129.51
July 7	107.06	Feb. 29, 1952	118.19	Aug. 10	134.51
Aug. 4	109.72	Apr. 4	118.97	Nov. 2	129.28
Sept. 7	108.23	June 30	122.24		
Oct. 5	108.03	Sept. 3	122.28		
Well H-1					
Owner: G. A. Kuentz. Altitude of land surface: 848.52 feet.					
Sept. 21, 1933	157.73	Dec. 21, 1934	167.66	Aug. 27, 1936	139.74
Jan. 9, 1934	160.16	Feb. 4, 1935	165.86	Jan. 4, 1937	141.17
Apr. 20	153.37	Mar. 2	165.40	July 1, 1948	169.60
May 23	158.47	Apr. 9	166.00	Aug. 30, 1949	168.47
June 21	161.38	May 21	149.85	Oct. 7	171.23
July 31	159.99	June 28	133.08	Nov. 3	162.91
Aug. 24	163.30	Aug. 2	140.32	Jan. 27, 1950	168.93
Sept. 21	163.64	Sept. 27	140.30	Feb. 24	166.15
Oct. 11	165.16	Jan. 20, 1936	145.68	Mar. 29	169.64

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-1--continued					
May 3, 1950	168.86	Aug. 7, 1951	192.76	May 6, 1953	194.10
June 1	163.36	Sept. 11	194.07	July 16	202.04
July 5	169.86	Nov. 1	193.30	Sept. 21	187.42
Aug. 2	173.78	Dec. 28	191.75	Nov. 5	190.76
Sept. 6	174.58	Mar. 2, 1952	193.25	Jan. 7, 1954	191.03
Oct. 5	177.80	Apr. 3	193.14	Mar. 5	196.12
Nov. 8	177.78	July 1	196.54	May 5	200.19
Dec. 5	181.14	Sept. 4	202.91	July 8	204.31
Jan. 5, 1951	179.56	Nov. 5	195.46	Aug. 26	210.23
May 12	184.75	Jan. 7, 1953	184.44	Nov. 1	206.17
June 7	182.59	Mar. 3	189.28		
Well H-3					
Owner: Martin Cavacos. Altitude of land surface: 976.17 feet.					
Oct. 13, 1934	289.50	Nov. 6, 1950	302.30	Nov. 5, 1952	323.70
Aug. 30, 1949	294.38	Dec. 4	302.71	Jan. 7, 1953	311.93
Oct. 11	296.58	Jan. 5, 1951	304.10	Mar. 3	316.00
Nov. 4	291.14	Mar. 6	308.85	May 6	320.75
Jan. 27, 1950	293.54	May 12	310.20	July 16	329.30
Feb. 24	291.63	June	307.19	Sept. 21	316.61
Mar. 29	295.24	Aug. 7	316.69	Nov. 5	317.30
May 3	293.89	Sept. 11	319.00	Jan. 7, 1954	317.81
June 1	293.07	Nov. 1	316.60	May 5	324.05
July 5	297.23	Dec. 28	315.75	Aug. 26	334.5±
Aug. 2	299.60	Mar. 5, 1952	317.58	Nov. 1	331.0±
Sept. 6	299.66	July 1	322.19		
Oct. 5	300.00	Sept. 4	328.64		
Well H-5					
Owner: C. T. Wurzbach. Altitude of land surface: 808.93 feet.					
Oct. 8, 1934	125.21	Aug. 30, 1949	130.78	Nov. 4, 1949	125.54
July 1, 1948	133.74	Oct. 11	132.83	Feb. 24, 1950	127.27
(Continued on next page)					

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-5--continued					
Mar. 29, 1950	139.96	May 12, 1951	144.34	Mar. 3, 1953	151.02
May 3	129.81	June 6	142.00	May 6	155.94
June 1	129.02	Aug. 7	152.84	July 16	164.10
July 5	137.50	Sept. 11	153.88	Sept. 21	152.34
Aug. 2	135.92	Nov. 1	153.01	Nov. 5	152.58
Sept. 6	137.92	Dec. 28	155.14	Jan. 7, 1954	153.00
Oct. 5	136.09	Mar. 5, 1952	152.26	Mar. 3	158.00
Nov. 6	138.19	Apr. 8	153.22	May 4	160.71
Dec. 4	138.94	July 1	156.90	July 8	164.95
Jan. 5, 1951	139.62	Sept. 4	163.34	Aug. 25	171.04
Feb. 6	141.76	Nov. 5	156.42	Nov. 11	165.90
Mar. 5	141.90	Jan. 7, 1953	146.09		
Well H-7					
Owner: H. Ellison. Altitude of land surface: 853.83 feet.					
Aug. 23, 1933	186.20	Aug. 2, 1950	199.06	Sept. 11, 1951	160.03
Sept. 20	176.18	Sept. 6	199.93	Nov. 1	159.81
Oct. 8, 1934	161.05	Oct. 5	201.81	Dec. 28	159.84
July 1, 1948	196.57	Nov. 6	202.94	Apr. 8, 1952	160.36
Aug. 30, 1949	177.08	Dec. 4	202.96	Sept. 4	160.05
Jan. 27, 1950	160.05	Jan. 5, 1951	163.80	Nov. 5	162.29
Feb. 24	166.23	Feb. 6	160.46	Jan. 7, 1953	161.34
Mar. 29	182.83	Mar. 5	160.43	Mar. 3	162.68
May 3	175.95	May 12	158.89	May 6	164.05
June 1	191.90	June 6	158.73		
July 5	195.82	Aug. 7	159.70		
Well H-12					
Owner: A. J. Vogt. Altitude of land surface: 765.0 feet.					
Sept. 15, 1933	80.70	May 23, 1934	82.51	Aug. 24, 1934	86.63
Jan. 4, 1934	81.60	June 21	84.87	Sept. 21	87.18
Apr. 20	78.84	July 31	83.53	Oct. 11	87.79
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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-12--continued					
Nov. 20, 1934	87.26	Oct. 11, 1949	95.89	Jan. 5, 1951	101.33
Dec. 21	87.58	Nov. 4	88.11	Feb. 7	104.10
Feb. 3, 1935	87.40	Jan. 26, 1950	93.19	Mar. 5	103.17
Mar. 2	87.31	Feb. 24	89.65	May 10	105.67
Apr. 9	88.08	Mar. 28	93.01	June 6	102.90
May 21	78.25	May 3	92.55	Sept. 11	115.99
June 28	65.56	June 1	92.35	Oct. 31	112.00
Aug. 3	69.44	July 5	95.49	Dec. 27	112.14
Sept. 27	68.58	Aug. 1	99.25	Mar. 5, 1952	113.00
Aug. 27, 1936	69.79	Sept. 5	98.50	Apr. 4	113.49
Jan. 4, 1937	68.14	Oct. 5	98.39	July 12	117.60
July 1, 1948	96.10	Nov. 6	100.37		
Aug. 30, 1949	93.80	Dec. 4	100.53		
Well H-13					
Owner: Fuller's Earth Plant. Altitude of land surface: 788.15 feet.					
Sept. 15, 1933	103.20	Jan. 4, 1937	89.00	Feb. 21, 1940	110.14
Jan. 4, 1934	104.67	Feb. 23, 1938	93.67	Mar. 18	111.61
Apr. 20	102.22	Mar. 15	94.17	Apr. 23	112.47
May 23	105.87	Apr. 26	93.65	May 20	112.64
June 21	108.40	May 23	93.13	June 17	111.79
July 31	107.27	July 26	97.39	July 22	110.97
Aug. 24	110.44	Aug. 22	97.42	Aug. 23	115.17
Sept. 21	111.13	Sept. 24	99.32	Sept. 24	115.60
Oct. 11	111.76	Oct. 26	100.63	Oct. 21	115.62
Nov. 20	111.28	Dec. 8	101.20	Dec. 2	111.71
Dec. 21	111.70	Jan. 27, 1939	100.60	Jan. 20, 1941	108.96
Feb. 3, 1935	111.68	Mar. 2	102.35	May 26	91.23
Mar. 2	111.52	Apr. 3	104.08	Aug. 7	97.73
Apr. 9	112.28	May 4	106.91	Nov. 14	95.72
May 21	102.50	June 9	106.62	Apr. 6, 1942	99.38
June 28	89.68	July 6	110.49	Aug. 4	101.85
Aug. 3	91.85	Aug. 17	108.39	Nov. 30	90.68
Sept. 27	91.21	Sept. 16	109.04	Apr. 26, 1943	99.87
Jan. 20, 1936	93.28	Oct. 26	110.34	Aug. 26	105.46
Aug. 27	90.97	Jan. 17, 1940	108.83	Dec. 14	105.61

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-13--continued					
Apr. 29, 1944	102.06	Oct. 5, 1950	122.48	Feb. 9, 1953	135.66
Aug. 8	106.59	Nov. 6	124.58	Mar. 5	137.44
Dec. 18	99.56	Dec. 4	124.92	Apr. 7	138.41
June 4, 1945	97.56	Jan. 5, 1951	126.06	May 5	141.68
Apr. 4, 1946	104.84	Feb. 7	128.36	June 3	146.03
July 2, 1947	105.02	Mar. 5	127.60	Aug. 7	152.91
Nov. 7	110.18	May 8	130.51	Sept. 17	137.41
Apr. 23, 1948	116.97	May 25	128.55	Oct. 16	140.46
June 30	119.55	June 6	127.93	Nov. 2	138.20
Aug. 2	123.22	July 3	132.43	Dec. 7	137.62
Jan. 4, 1949	124.41	Aug. 8	138.72	Jan. 4, 1954	137.61
Mar. 7	119.99	Sept. 11	140.00	Feb. 4	139.71
Apr. 12	119.89	Oct. 8	137.67	Mar. 1	143.67
Aug. 26	117.90	Oct. 31	136.56	Apr. 6	147.57
Oct. 10	119.75	Dec. 27	136.70	May 3	145.72
Nov. 3	111.97	Mar. 5, 1952	137.64	June 7	149.22
Dec. 21	114.70	Apr. 8	138.75	July 6	149.75
Jan. 26, 1950	116.27	June 3	139.63	Aug. 4	153.60
Feb. 24	115.49	July 2	142.35	Aug. 23	155.44
Mar. 28	117.03	Aug. 1	145.03	Oct. 4	152.50
May 3	116.40	Sept. 2	149.11	Oct. 11	150.46
June 1	116.34	Oct. 1	140.28	Nov. 1	151.05
July 5	119.33	Nov. 4	142.30	Dec. 1	149.70
Aug. 1	123.07	Dec. 2	136.05		
Sept. 5	122.43	Jan. 5, 1953	133.08		
Well H-16					
Owner: Oscar Bippert. Altitude of land surface: 760.33 feet.					
Jan. 4, 1934	70.71	Apr. 26, 1938	60.07	May 4, 1939	74.75
Oct. 9	77.03	May 24	59.59	June 9	74.70
Aug. 21, 1937	63.04	June 27	63.04	July 6	78.32
Sept. 26	64.22	July 26	64.72	Aug. 17	76.02
Oct. 23	62.93	Aug. 22	66.50	Sept. 16	77.08
Nov. 15	64.83	Sept. 24	66.64	Oct. 26	77.12
Dec. 23	63.89	Oct. 26	68.09	Jan. 17, 1940	77.04
Jan. 19, 1938	63.09	Jan. 27, 1939	69.10	Feb. 21	78.45
Feb. 26	61.16	Mar. 2	70.42	Mar. 21	79.79
Mar. 15	61.58	Apr. 3	72.07	Apr. 26	80.90
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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-16--continued					
May 20, 1940	80.80	Aug. 26, 1949	83.29	Sept. 22, 1952	105.72
June 17	80.80	Oct. 10	85.12	Nov. 4	108.88
July 22	79.03	Nov. 3	77.69	Dec. 2	102.99
Aug. 23	83.04	Feb. 23, 1950	79.58	Jan. 5, 1953	98.97
Sept. 2	84.34	Mar. 28	82.70	Feb. 9	102.35
Oct. 25	83.85	May 3	82.13	Mar. 5	103.99
Dec. 2	80.02	June 1	82.00	Apr. 7	105.12
Jan. 20, 1941	77.19	July 5, 1950	84.84	May 5	108.09
May 28	58.60	Aug. 1	88.24	June 3	112.44
Aug. 7	64.80	Sept. 5	87.99	July 15	115.77
Nov. 12	62.42	Oct. 5	88.26	Aug. 7	119.21
Apr. 8, 1942	66.04	Nov. 6	90.44	Sept. 17	103.94
Aug. 4	69.07	Dec. 4	90.71	Oct. 16	107.02
Dec. 3	58.29	Jan. 5, 1951	91.74	Nov. 2	104.89
Apr. 29, 1943	67.97	Feb. 7	94.43	Dec. 7	104.33
Aug. 26	72.80	Mar. 5	93.76	Jan. 4, 1954	104.38
Dec. 14	73.24	May 8	96.77	Feb. 4	106.41
Apr. 29, 1944	69.85	June 6	94.15	Mar. 1	109.28
Aug. 8	73.01	July 3	99.19	Apr. 6	114.13
Dec. 19	67.23	Aug. 7	104.66	May 3	112.65
June 4, 1945	64.79	Sept. 11	106.00	June 7	115.86
July 2, 1947	72.21	Oct. 8	103.84	July 6	116.02
Nov. 8	77.71	Dec. 27	103.26	Aug. 4	120.20
Apr. 24, 1948	83.87	Mar. 5, 1952	104.28	Aug. 23	122.08
June 30	86.22	Apr. 4	104.60	Oct. 4	119.27
Aug. 9	90.10	June 3	106.03	Oct. 11	117.23
Jan. 5, 1949	90.77	July 2	108.80	Nov. 1	117.79
Mar. 9	86.13	Aug. 1	111.30	Dec. 1	116.65
Apr. 12	85.87	Sept. 2	115.32		

Well H-17

Owner: Robert Mechler. Altitude of land surface: 809.14 feet.

Sept. 15, 1933	166.84	Aug. 24, 1934	124.27	Mar. 2, 1935	126.00
Jan. 4, 1934	118.61	Sept. 21	125.09	Apr. 9	126.87
Apr. 20	116.47	Oct. 9	124.90	May 21	117.34
May 23	119.76	Nov. 21	125.55	June 28	102.36
June 21	122.24	Dec. 21	125.97	July 3	105.50
July 31	121.37	Feb. 3, 1934	126.08	Jan. 20, 1936	107.35

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-17--continued					
Aug. 27, 1936	105.48	Nov. 30, 1942	105.57	Oct. 8, 1951	151.53
Jan. 4, 1937	102.95	Apr. 26, 1943	115.06	Oct. 31	150.25
Feb. 23, 1938	109.04	Aug. 26	120.70	Dec. 27	149.84
Mar. 21	109.71	Dec. 14	121.44	Mar. 5	152.15
Apr. 26	108.87	Apr. 29, 1944	117.88	Apr. 4	152.73
May 23	108.17	Aug. 8	121.62	June 3	153.97
July 26	112.59	Dec. 19	116.17	July 2	156.92
Aug. 22	114.35	June 6, 1945	112.72	Aug. 1	159.45
Sept. 23	115.34	Apr. 1, 1946	119.78	Sept. 2	163.64
Oct. 26	116.02	July 2, 1947	120.33	Sept. 22	154.14
Dec. 8	116.55	Nov. 8	125.33	Oct. 1, 1952	155.3
Jan. 27, 1939	117.12	Apr. 24, 1948	132.47	Nov. 4	157.3
Mar. 2	118.35	June 30	134.33	Dec. 2	151.41
Apr. 3	120.03	Aug. 2	137.35	Jan. 5, 1953	147.36
May 4	112.76	Jan. 5, 1949	138.93	Feb. 9	150.70
June 9	122.72	Mar. 7	134.27	Mar. 3	152.5±
July 6	126.35	Apr. 12	133.98	Apr. 7	153.39
Aug. 17	124.12	Aug. 26	131.32	May 5	155.84
Sept. 16	124.88	Oct. 10	132.71	June 3	160.65
Oct. 26	126.30	Nov. 3	125.24	July 15	165.00
Jan. 17, 1940	125.12	Dec. 21	127.20	Aug. 7	168.38
Feb. 21	126.53	Jan. 26, 1950	129.41	Sept. 17	152.23
Mar. 21	127.87	Mar. 28	131.34	Oct. 16	155.42
Apr. 23	128.63	May 3	129.84	Nov. 2	153.17
May 20	128.86	June 1	129.47	Dec. 7	152.73
June 17	128.06	July 5	132.22	Jan. 4, 1954	152.63
July 22	127.13	Aug. 1	135.79	Feb. 4	154.66
Aug. 23	131.09	Sept. 5	135.47	Mar. 1	157.45
Sept. 24	131.73	Oct. 5	135.66	Apr. 6	162.80
Oct. 25	131.95	Nov. 6	137.27	May 3	161.25
Dec. 2	128.10	Dec. 4	138.05	June 7	162.95
Jan. 20, 1941	125.32	Jan. 5, 1951	138.95	July 6	163.60
May 28	106.51	Feb. 7	141.75	Aug. 4	168.26
Aug. 7	112.69	Mar. 5	141.18	Aug. 23	170.1±
Nov. 12	110.32	May 8	144.12	Oct. 4	167.43
Apr. 6, 1942	114.39	July 3	146.58	Nov. 1	166.46
Aug. 4		Sept. 11	153.76		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-93					
Owner:	Paul Ott.	Altitude of land surface:	857.85 feet.		
Jan. 7, 1954	206.60	May 4, 1954	215.37	Nov. 1, 1954	219.91
Mar. 3	211.61	Aug. 26	224.41		
Well I-1					
Owner:	John Grissom.	Altitude of land surface:	803.65 feet.		
Sept. 21, 1933	116.50	Oct. 5, 1950	134.10	July 1, 1952	154.40
Oct. 11, 1934	123.97	Nov. 8	136.46	Sept. 4	161.09
July 1, 1948	131.14	Dec. 5	137.08	Nov. 5	153.97
Aug. 30, 1949	128.78	Jan. 5, 1951	137.88	Jan. 7, 1953	143.58
Oct. 11	130.80	Feb. 6	139.62	Mar. 3	148.08
Nov. 3	115.14	Mar. 6	140.22	May 9	152.97
Jan. 27, 1950	127.53	May 12	141.81	July 16	162.02
Feb. 24	125.06	June 7	140.00	Sept. 21	101.24
Mar. 29	128.79	Aug. 7	149.67	Nov. 5	134.20
May 3	127.78	Sept. 11	151.43	Jan. 7, 1954	142.85
June 1	122.65	Nov. 1	148.55	Mar. 5	148.76
July 5	131.92	Dec. 28	148.46	May 5	150.14
Aug. 2	133.83	Mar. 5, 1952	150.42	Aug. 26	164.0±
Sept. 5	133.73	Apr. 3	150.52	Nov. 1	148.85
Well I-11					
Owner:	Alfred Reininger.	Altitude of land surface:	891.63 feet.		
July 21, 1932	212.60	Jan. 19, 1934	213.09	Dec. 19, 1934	218.51
Oct. 18	207.77	Feb. 19	212.69	Feb. 2, 1935	218.48
Nov. 18	208.34	Mar. 19	211.65	Apr. 10	218.92
Jan. 15, 1933	208.05	Apr. 18	210.86	May 20	207.34
Apr. 9	208.80	May 21	213.06	June 28	195.82
July 18	212.54	June 19	215.74	Aug. 5	201.15
Aug. 17	212.58	July 30	214.65	Sept. 29	200.23
Sept. 18	212.48	Aug. 22	217.38	Nov. 19	202.21
Oct. 17	212.10	Sept. 19	218.17	Aug. 26, 1936	200.71
Nov. 20	212.35	Oct. 12	218.89	Dec. 30	200.50
Dec. 18	213.54	Nov. 20	218.43		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-18					
Owner: R. C. Ramerez. Altitude of land surface: 880.83 feet.					
July 21, 1932	202.85	Apr. 10, 1935	209.02	May 11, 1951	184.95
Oct. 18	198.45	May 20	198.40	May 25	183.14
Nov. 18	198.97	June 28	186.85	June 6	182.28
Jan. 15, 1933	198.70	Aug. 5	191.82	Aug. 7	193.27
Apr. 8	199.50	Sept. 29	191.20	Sept. 11	194.18
July 18	203.06	Nov. 19	193.28	Oct. 30	190.59
Aug. 17	203.00	Jan. 18, 1936	194.92	Dec. 27	190.44
Sept. 18	202.89	Aug. 26	192.00	Apr. 8, 1952	191.34
Oct. 17	203.50	Dec. 30	191.69	July 1	195.38
Nov. 20	203.72	Oct. 7, 1949	175.29	Sept. 4	202.19
Dec. 18	203.86	Nov. 4	167.95	Nov. 4	195.84
Jan. 19, 1934	203.45	Feb. 1, 1950	171.33	Jan. 7, 1953	184.96
Feb. 19	203.05	Feb. 27	169.49	Mar. 3	189.13
Mar. 19	202.15	Mar. 30	173.53	May 5	194.25
Apr. 18	201.42	May 3	172.25	July 15	201.28
May 21	203.55	June 6	169.82	Sept. 21	191.19
June 19	206.29	July 6	175.99	Nov. 6	190.75
July 30	205.12	Aug. 2	179.20	Jan. 8, 1954	191.34
Aug. 22	207.72	Sept. 5	178.09	Mar. 4	195.99
Sept. 19	208.45	Oct. 5	178.17	May 6	199.28
Oct. 12	209.18	Nov. 8	180.25	July 9	204.34
Nov. 20	208.60	Dec. 5	181.06	Aug. 25	208.54
Dec. 19	208.75	Jan. 5, 1951	180.94	Nov. 3	205.47
Feb. 2, 1935	208.58	Feb. 6	182.61		
Feb. 28	208.22	Mar. 5	182.46		
Well I-33					
Owner: Jaffe - Martin. Altitude of land surface: 772.09 feet.					
Oct. 29, 1932	93.77	Apr. 18, 1934	95.00	May 20, 1935	92.25
Apr. 9, 1933	93.44	May 21	97.3	June 26	81.05
July 18	97.00	June 19	99.75	Aug. 3	86.23
Aug. 17	97.42	July 27	100.11	Sept. 26	86.91
Sept. 18	97.19	Aug. 22	101.36	Nov. 19	88.12
Oct. 17	97.55	Oct. 12	102.84	Jan. 18, 1936	89.60
Nov. 20	97.70	Nov. 20	102.39	Aug. 28	87.23
Dec. 18	98.00	Dec. 19	102.39	Dec. 29	86.53
Jan. 18, 1934	97.58	Jan. 31, 1935	102.08	Sept. 1, 1949	110.55
Feb. 19	97.23	Mar. 1	101.85		
Mar. 19	96.34	Apr. 8	102.74		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-47					
Owner:	Jack Neal.	Altitude of land surface:	824.57 feet.		
Nov. 7, 1952	179.98	Mar. 3, 1953	175.5±	Nov. 5, 1953	174.94
Jan. 7, 1953	170.05	May 6	179.9	Jan. 7, 1954	175.±
Well I-57					
Owner:	A. J. McCulley.	Altitude of land surface:	744.45 feet.		
Sept. 20, 1933	62.30	Sept. 24, 1938	60.37	Apr. 29, 1944	62.29
Jan. 4, 1934	63.65	Oct. 26	61.68	Aug. 8	67.63
Apr. 20	60.83	Dec. 8	61.80	Dec. 19	60.23
May 23	64.63	Jan. 27, 1939	61.97	June 4, 1945	58.73
June 21	66.89	Mar. 2	63.03	Apr. 1, 1946	64.46
July 31	65.36	Apr. 3	64.80	July 2, 1947	65.81
Aug. 24	68.63	July 6	67.15	Nov. 8	70.30
Sept. 1	69.05	Aug. 17	67.20	Apr. 23, 1948	76.52
Oct. 11	69.64	Sept. 16	69.44	July 1	77.94
Oct. 12	69.90	Feb. 21, 1940	70.09	Aug. 2	81.57
Nov. 20	69.10	Mar. 18	71.51	Jan. 10, 1949	82.14
Dec. 21	69.29	Apr. 26	72.74	Mar. 7	77.41
Feb. 3, 1935	69.14	May 20	72.63	Apr. 12	77.51
Mar. 2	69.92	June 17	71.74	Aug. 25	76.07
Apr. 9	69.74	July 22	70.89	Oct. 10	77.87
May 21	60.26	Aug. 23	75.17	Nov. 3	70.05
June 28	48.13	Sept. 24	75.50	Feb. 24, 1950	71.30
Aug. 3	52.21	Oct. 21	75.40	Mar. 28	74.74
Sept. 27	51.46	Dec. 2	71.13	May 3	74.10
Jan. 20, 1936	54.53	Jan. 20, 1941	68.57	June 1	74.20
Aug. 27	52.66	May 28	52.32	July 5	77.31
Jan. 4, 1937	51.07	Aug. 7	58.60	Aug. 2	81.01
Feb. 23, 1938	54.88	Nov. 12	56.96	Sept. 5	80.35
Mar. 15	55.13	Apr. 6, 1942	60.44	Oct. 5	80.13
Apr. 26	54.53	Aug. 4	62.94	Nov. 6	82.13
May 23	53.29	Dec. 3	52.36	Dec. 4	82.24
June 27	57.26	Apr. 29, 1943	61.97	Jan. 5, 1951	83.01
July 26	58.69	Aug. 26	66.63	Feb. 7	85.85
Aug. 22	60.66	Dec. 14	66.03	Mar. 5	84.82

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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-57--continued					
May 8, 1951	87.78	Sept. 2, 1952	106.24	Nov. 2, 1953	94.21
May 25	85.67	Oct. 1	96.82	Dec. 7	93.60
June 6	85.05	Nov. 4	99.14	Jan. 4, 1954	93.61
July 3	90.68	Dec. 2	92.26	Feb. 4	95.84
Aug. 8	96.98	Jan. 5, 1953	88.12	Mar. 1	98.74
Sept. 11	97.93	Feb. 9	91.95	Apr. 6	103.93
Oct. 8	94.86	Mar. 5	93.65	May 3	101.44
Oct. 31	93.51	Apr. 7	94.64	June 7	106.10
Dec. 27	93.61	May 5	97.92	July 6	105.59
Mar. 5, 1952	94.30	June 3	102.28	Aug. 23	111.60
Apr. 4	94.72	July 15	106.35	Oct. 4	108.49
June 3	96.43	Aug. 7	109.30	Oct. 11	106.38
July 2	99.00	Sept. 17	93.91	Nov. 1	106.99
Aug. 1	101.94	Oct. 16	96.74	Dec. 1	105.73
Well I-117					
Owner: City of South San Antonio. Altitude of land surface: 653.33 feet.					
Mar. 5, 1953	6.88	Nov. 3, 1953	7.82	July 9, 1954	25.84
May 5	12.53	Jan. 5, 1954	8.07	Aug. 25	29.22
July 17	20.20	Mar. 5	12.14	Nov. 4	25.53
Sept. 17	9.72	May 6	17.83		
Well I-122					
Owner: Robert Boenig. Altitude of land surface: 801.09 feet.					
Aug. 21, 1937	113.17	July 26, 1938	113.81	June 9, 1939	122.51
Oct. 18	126.96	Aug. 22	115.76	July 6	126.40
Nov. 15	124.04	Sept. 24	115.63	Aug. 17	124.96
Jan. 19, 1938	112.09	Oct. 26	116.91	Sept. 16	124.90
Feb. 26	110.03	Dec. 8	117.15	Oct. 26	126.21
Mar. 15	110.53	Jan. 27, 1939	117.27	Jan. 17, 1940	125.20
Apr. 26	109.80	Mar. 2	118.44	Feb. 21	125.67
May 24	108.51	Apr. 3	120.20	Mar. 18	127.08
June 27	112.39	May 4	122.97	Apr. 23	128.02
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Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-122--continued					
May 20, 1940	128.15	Aug. 25, 1949	131.66	Aug. 1, 1952	154.98
June 17	127.20	Oct. 11	133.25	Sept. 2	158.36
July 22	126.43	Nov. 4	125.66	Oct. 1	149.02
Aug. 23	130.67	Dec. 21	128.10	Nov. 4	151.32
Sept. 24	130.87	Jan. 26, 1950	129.81	Dec. 2	144.55
Oct. 21	130.84	Feb. 24	127.03	Jan. 5, 1953	140.38
Dec. 2	126.70	Mar. 28	130.42	Feb. 9	144.00
Jan. 20, 1941	123.99	May 3, 1950	129.84	Mar. 5	145.92
May 28	107.47	June 1	129.85	Apr. 7	153.39
Aug. 7	113.75	July 5	132.90	May 5	150.14
Nov. 12	111.96	Sept. 5	135.94	June 3	154.62
Apr. 8, 1942	114.97	Oct. 5	135.75	July 15	157.90
Aug. 4	117.97	Nov. 6	137.77	Aug. 7	161.19
Nov. 30	106.91	Dec. 4	137.84	Sept. 17	145.31
Apr. 26, 1943	116.15	Jan. 5, 1951	138.67	Oct. 16	148.52
Dec. 14	121.52	Feb. 7	141.36	Nov. 2	145.84
May 3, 1944	116.90	Mar. 5	140.32	Dec. 7	145.19
Aug. 7	122.29	May 8	142.95	Jan. 4, 1954	145.20
Dec. 18	115.25	June 6	140.30	Feb. 4	147.62
June 4, 1945	113.91	July 3	145.70	Mar. 1	150.45
Apr. 4, 1946	120.59	Aug. 8	152.32	Apr. 6	155.26
July 2, 1947	121.16	Sept. 11	151.67	May 3	153.21
Nov. 8	125.74	Oct. 8	149.92	June 7	157.22
Apr. 24, 1948	132.13	Oct. 31	147.47	July 6	156.40
June 30	133.71	Dec. 27	146.81	Aug. 4	161.51
Aug. 2	136.91	Mar. 5, 1952	147.64	Aug. 23	163.07
Jan. 4, 1949	137.40	Apr. 4	148.31	Oct. 4	159.86
Mar. 7	133.22	June 3	149.83	Nov. 1	158.26
Apr. 12	133.18	July 2	152.25	Dec. 1	156.87
Well I-129					
Owner: C. R. Cento. Altitude of land surface: 636.30 feet.					
Feb. 11, 1951	\$18.5	Aug. 7, 1953	7.6	Mar. 9, 1954	\$4.00
Feb. 5, 1953	\$15.6	Sept. 23	\$7.0	May 11	\$7.00
Mar. 5	\$10.5	Nov. 3	\$9.5	July 19	\$7.20
May 5	\$5.0	Jan. 6, 1954	\$9.75	Aug. 27	7.9

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well I-158					
Owner: J. E. Mowinckle. Altitude of land surface: 764.40 feet.					
Mar. 3, 1953	112.98	Nov. 6, 1953	114.50	July 8, 1954	127.08
May 6	118.12	Jan. 7, 1954	114.85	Aug. 26	132.45
Aug. 7	129.92	Mar. 4	119.81	Nov. 1	128.00
Sept. 21	114.78	May 5	122.44		
Well J-27					
Owner: Alveit Bros. Altitude of land surface: 643.50 feet.					
Nov. 3, 1952	2.60	Mar. 3, 1953	1.60	Aug. 4, 1954	16.06
Dec. 2	4.00	May 3, 1954	4.58	Aug. 23	15.81
Jan. 5, 1953	48.15	June 7	10.17	Oct. 4	13.67
Feb. 9	44.10	July 6	10.31	Nov. 2	9.82
Well J-28					
Owner: Hudson Fish Hatchery. Altitude of land surface: 646.16 feet.					
Nov. 3, 1952	5.95	Aug. 7, 1953	17.90	May 3, 1954	8.28
Dec. 2	0.57	Sept. 18	1.25	June 7	13.77
Jan. 5, 1953	46.8	Oct. 16	4.85	July 6	14.16
Feb. 9	40.8	Nov. 2	1.30	Aug. 4	18.12
Mar. 6	0.70	Dec. 7	0.72	Aug. 28	18.92
Apr. 7	2.18	Jan. 4, 1954	0.72	Oct. 4	15.06
May 7	5.74	Feb. 4	3.51	Nov. 2	13.36
June 3	11.08	Mar. 1	6.27		
July 14	12.70	Apr. 6	11.50		
Well J-35					
Owner: A. A. Rothe. Altitude of land surface: 676.47 feet.					
Nov. 13, 1932	0.28	Oct. 8, 1934	8.71	Aug. 29, 1949	17.19
Feb. 7, 1934	3.21	June 24, 1948	21.47	Oct. 10	18.61
(Continued on next page)					

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well J-35--continued					
Nov. 8, 1949	11.53	Mar. 7, 1951	25.20	Nov. 3, 1952	36.28
Feb. 1, 1950	13.48	May 10	26.30	Jan. 5	25.66
Feb. 28	12.48	May 28	24.39	Mar. 6	30.97
Mar. 31	16.46	June 8	23.86	May 7	35.68
May 5	15.33	Aug. 6	34.29	July 14	42.53
June 6	12.98	Sept. 10	35.88	Sept. 18	31.62
July 7	20.78	Oct. 8	32.42	Nov. 3	30.88
Aug. 1	22.08	Oct. 29	32.33	Jan. 4, 1954	30.90
Sept. 8	21.43	Dec. 27	30.59	Mar. 1	36.52
Oct. 9	21.47	Feb. 29, 1952	31.62	Mar. 3	38.24
Nov. 9	22.37	Apr. 4	32.55	July 7	43.37
Dec. 6	22.18	June 30	36.05	Aug. 23	48.95
Jan. 4, 1951	21.91	Sept. 2	44.83	Nov. 2	43.31
Feb. 5	23.77				
Well J-41					
Owner: Ed Eisenhauer. Altitude of land surface: 686.99 feet.					
Feb. 7, 1934	24.61	Oct. 9, 1950	36.74	June 30, 1952	50.69
Oct. 8	28.80	Nov. 9	38.02	Sept. 3	56.51
June 24, 1948	39.30	Dec. 6	37.98	Nov. 3	50.21
July 28, 1949	33.69	Jan. 4, 1951	37.60	Jan. 6, 1953	42.55
Oct. 10	35.42	Feb. 5	39.02	Mar. 6	44.36
Nov. 8	30.84	Mar. 7	39.13	May 7	48.14
Feb. 1, 1950	31.39	May 8	42.08	July 14	34.86
Feb. 28	30.14	May 25	29.40	Sept. 18	47.76
Mar. 31	32.84	June 8	40.38	Nov. 4	46.70
May 4	31.67	Aug. 8	47.94	Jan. 5, 1954	44.91
June 6	31.57	Sept. 10	50.11	Mar. 2	48.28
July 3	33.18	Sept. 29	47.26	May 4	52.32
Aug. 1	36.58	Dec. 27	45.99	July 7	55.80
Aug. 14	38.06	Feb. 29, 1952	46.51	Aug. 24	61.23
Sept. 8	36.97	Apr. 4	46.95	Nov. 2	57.31
Well J-75					
Owner: V. E. Berry. Altitude of land surface: 607.00 feet.					
1944	\$34.7	Nov. 3, 1952	\$30.7	Jan. 5, 1953	\$38.8
Oct. 1, 1952	\$30.8	Dec. 2	\$36.8	Feb. 9	\$35.8
(Continued on next page)					

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well J-75--continued					
Mar. 6, 1953	f32.8	Dec. 7, 1953	f35.2	June 7, 1954	f21.65
Apr. 7	f25.8	Jan. 4, 1954	f35.7	July 12	f20.9
June 3	f25.9	Feb. 4	f32.4	Aug. 4	f19.4
Sept. 18	f34.6	Mar. 1	f30.7	Aug. 30	f17.9
Oct. 16	f30.1	Apr. 6	f25.9	Oct. 4	f21.4
Nov. 2	f33.9	May 3	f27.9	Nov. 2	f23.1
Well J-78					
Owner: V. E. Berry. Altitude of land surface: 633.89 feet.					
Dec. 2, 1952	f12.7	Apr. 28, 1953	f8.40	Jan. 4, 1954	f12.6
Jan. 5, 1953	f17.3	Sept. 18	f10.4	Feb. 4	f9.45
Feb. 9	f9.4	Oct. 16	f6.9	Mar. 1	f6.58
Mar. 6	f8.95	Nov. 2	f8.7	May 3	f4.8
Apr. 7	f7.9	Dec. 7	f11.2		
Well K-2					
Owner: Richard Schirmer. Altitude of land surface: 589.58					
Feb. 6, 1934	f59.9	June 8, 1951	f45.5	Mar. 6, 1953	f41.0
Oct. 8	f57.6	Aug. 6	f38.0	May 7	f38.5
Aug. 14, 1950	f48.5	Sept. 10	f39.0	Sept. 18	f37.0
Sept. 8	f49.0	Oct. 29	f40.5	Nov. 4	f39.9
Oct. 9	f49.0	Dec. 27	f41.0	Jan. 5, 1954	f39.4
Nov. 9	f48.0	Feb. 29, 1952	f41.5	Mar. 2	f38.5
Dec. 6	f48.0	Apr. 4	f41.0	May 4	f39.5
Jan. 19, 1951	f48.5	June 30	f39.0	July 7	f37.0
Mar. 7	f47.0	Sept. 3	f35.7	Aug. 24	f28.6
May 10	f45.5	Nov. 3	f38.5	Nov. 2	f34.5
May 25	f45.5	Jan. 6, 1953	f42.5		

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well M-12					
Owner: J. G. Noel. Altitude of land surface: 658.06 feet.					
Mar. 5, 1953	8.73	Nov. 3, 1953	9.10	July 9, 1954	24.38
May 5	12.80	Jan. 6, 1954	8.62	Aug. 25	28.33
July 15	20.97	Mar. 5	12.43	Nov. 4	21.30
Sept. 17	8.78	May 6	15.92		
Well M-14					
Owner: A. H. Grothues. Altitude of land surface: 590.12 feet.					
Aug. 26, 1933	f97.5	Nov. 22, 1935	f101.5	Nov. 3, 1953	f55.7
Oct. 20	f97.3	Mar. 5, 1953	f65.5	Jan. 6, 1954	f65.7
May 22, 1934	f95.2	May 5	f52.5	Mar. 5	f62.0
Oct. 10	f91.7	Sept. 17	f64.6	May 6	f56.0
Well N-1					
Owner: L. F. Ridder. Altitude of land surface: 621.62 feet.					
Sept. 13, 1933	f50.9	May 12, 1951	f29.0	Jan. 5, 1953	f31.0
Oct. 10, 1934	f44.4	June 6	f35.0	Mar. 5	f26.0
Aug. 14, 1950	f32.0	Aug. 8	f16.0	May 5	f21.5
Sept. 5	f35.0	Oct. 31	f21.5	Sept. 17	f21.2
Oct. 9	f36.0	Dec. 27	f21.5	Nov. 3	f24.5
Nov. 10	f31.0	Mar. 5, 1952	f24.5	Jan. 6, 1954	f24.7
Dec. 6	f29.0	Apr. 8	f21.5	Mar. 5	f19.0
Jan. 6, 1951	f38.5	July 2	f15.0	May 6	f13.75
Feb. 7	f34.0	Sept. 2	f11.5	July 9	f9.0
Mar. 8	f33.0	Nov. 3	f21.7	Aug.	f2.3
Well N-41					
Owner: John Brauchle.					
June 27, 1946	183.57	June 24, 1952	183.86	Nov. 12, 1953	184.09
June 30, 1951	183.41	Sept. 24	183.98	Feb. 18, 1954	183.82
Sept. 26	183.30	Apr. 21, 1953	183.97	June 9	184.35
Feb. 28, 1952	183.67	Aug. 5	183.90	Sept. 14	184.33

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well N-43					
Owner: R. M. Cage					
June 27, 1946	106.16	June 24, 1952	105.13	Nov. 12, 1953	107.15
June 30, 1951	104.99	Sept. 25	106.06	Feb. 18, 1954	105.68
Sept. 26	102.89	Apr. 21, 1953	105.50	Sept. 14	105.99
Feb. 29, 1952	104.91	Aug. 5	107.2		
Well N-88					
Owner: Duke Carver.					
July 5, 1946	124.75	June 25, 1952	123.50	Nov. 11, 1953	124.23
June 28, 1951	123.08	Sept. 25	123.53	Feb. 18, 1954	124.63
Sept. 27	123.15	Apr. 21, 1953	123.37	June 9	124.89
Feb. 29, 1952	123.10	Aug. 5	123.13	Sept. 15	124.33
Well Q-2					
Owner: Duke Carver.					
July 5, 1946	101.15	June 25, 1952	104.0	Nov. 11, 1953	103.14
June 28, 1951	102.63	Sept. 25	102.6	Feb. 18, 1954	102.91
Sept. 27	102.54	Apr. 21, 1953	103.62	June 9	106.44
Feb. 29, 1952	101.97	Aug. 5	103.04	Sept. 15	107.96
Well Q-4					
Owner: Mrs. Ida Sylvester.					
July 5, 1946	98.79	June 25, 1952	101.7	Nov. 11, 1953	102.70
June 28, 1951	100.89	Sept. 25	101.71	Feb. 18, 1954	102.98
Sept. 27	101.10	Apr. 21, 1953	102.41	June 9	103.42
Feb. 29, 1952	101.38	Aug. 5	102.58	Sept. 15	103.61

Water levels in wells in Bexar County--Continued

Date	Water level	Date	Water level	Date	Water level
Well R-5					
Owner: Ben M. Brown.					
July 9, 1946	84.34	June 25, 1952	87.57	Nov. 11, 1953	89.64
June 28, 1951	86.63	Sept. 25	88.29	Feb. 17, 1954	90.07
Sept. 27	87.90	Apr. 21, 1953	88.65	June 8	90.36
Feb. 29, 1952	86.89	Aug. 5	89.32	Sept. 15	90.84
Well R-6					
Owner: Rufus Shields.					
July 9, 1946	113.99	Feb. 29, 1952	114.92	Apr. 21, 1953	115.85
June 28, 1951	114.97	June 25	115.63	Nov. 11	116.16
Sept. 27	115.31	Sept. 25	115.42	Feb. 17, 1954	115.96
Well R-9					
Owner: C. H. Hardy.					
1946	35	June 25, 1952	36.0	Feb. 17, 1954	37.46
June 28, 1951	34.47	Sept. 25	36.09	June 8	38.52
Sept. 27	35.15	Apr. 21, 1953	36.79	Sept. 15	38.20
Feb. 29, 1952	35.30	Aug. 5	37.50		
Well R-10					
Owner: J. F. Shilling.					
July 9, 1946	148.35	June 25, 1952	153.38	Feb. 17, 1954	153.05
June 28, 1951	105.06	Sept. 25	152.14	June 8	154.34
Sept. 27	152.59	Aug. 5, 1953	154.56	Sept. 15	156.06
Feb. 29, 1952	153.63	Nov. 11	193.40		

Water levels in wells in Comal County, Texas

Date	Water level	Date	Water level	Date	Water level
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Well A-32

Owner: Albert Marek. Altitude of land surface: 1,029.3 feet.

Nov. 16, 1936	74.10	Aug. 27, 1940	87.90	Sept. 10, 1943	75.83
Oct. 29, 1939	77.77	Aug. 28	83.26	Dec. 20	76.31
Dec. 19	78.13	Sept. 26	81.87	Dec. 18, 1944	72.96
Jan. 19, 1940	77.80	Oct. 29	83.40	May 17, 1945	72.90
Feb. 28	79.51	Dec. 5	75.06	July 12	76.40
Mar. 26	80.15	May 22, 1941	67.03	Mar. 20, 1946	72.64
Apr. 30	80.08	Nov. 18	75.15	Aug. 11, 1948	83.64
May 23	80.20	Apr. 3, 1942	79.88	Jan. 23, 1950	77.09
June 27	85.33	Dec. 8	73.33		
July 25	82.05	Apr. 19, 1943	76.19		

Well A-33

Owner: Alfred Bierle. Altitude of land surface: 1,006.57 feet.

Nov. 20, 1936	119.10	July 26, 1940	147.94	May 17, 1945	95.30
Oct. 11, 1939	124.98	Aug. 28	128.96	July 12	102
Dec. 19	132.68	Sept. 27	126.72	Mar. 20, 1946	120.46
Jan. 29, 1940	134.07	Oct. 29	125.77	Aug. 11, 1948	124.39
Feb. 27	135.06	Dec. 5	131.25	Jan. 10, 1949	122.20
Mar. 26	130.88	Jan. 24, 1941	131.77	Jan. 23, 1950	123.63
Apr. 30	131.39	Apr. 3, 1942	129.33		
May 23	130.80	Sept. 10, 1943	123.24		
July 1	133.26	Dec. 20	122.87		

Well A-35

Owner: Mrs. John Stricker. Altitude of land surface: 1,031.68 feet.

Nov. 19, 1936	166.70	Apr. 30, 1940	173.67	Oct. 28, 1940	173.79
Oct. 11, 1939	172.47	May 23	173.74	Dec. 5	174.13
Dec. 19	173.13	June 27	173.86	Jan. 24, 1941	173.94
Jan. 29, 1940	173.35	July 25	173.92	Mar. 25	172.27
Feb. 27	173.33	Aug. 27	173.93	May 22	167.18
Mar. 26	173.66	Sept. 26	174.04	Nov. 18	162.92

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Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well A-35--Continued					
Apr. 3, 1942	168.48	Dec. 20, 1943	171.37	July 12, 1945	138.80
Aug. 7	171.46	May 2, 1944	166.82	Mar. 20, 1946	162.75
Dec. 8	165.72	Aug. 24	155.55	Aug. 11, 1948	169.18
Apr. 19, 1943	167.85	Dec. 18	161.29	Jan. 10, 1949	171.49
Sept. 10	170.89	May 17, 1945	138.40	Jan. 23, 1950	170.72
Well E-9					
Owner: J. H. Pyke. Altitude of land surface: 1,204.47 feet.					
Oct. 12, 1939	117.76	Sept. 27, 1940	119.71	Apr. 19, 1943	111.98
Jan. 29, 1940	118.41	Oct. 29	119.87	Sept. 10	115.58
Feb. 27	118.61	Dec. 5	120.02	Dec. 20	116.19
Mar. 26	118.84	Jan. 24, 1941	119.23	Aug. 24, 1944	106.82
Apr. 30	119.08	Mar. 25	116.00	Dec. 18	109.88
May 29	119.26	Nov. 18	109.80	July 12, 1945	101.88
June 27	119.32	Apr. 3, 1942	112.53	Mar. 20, 1946	108.68
July 25	119.33	Aug. 7	114.39	Aug. 11	117.61
Aug. 27	119.48	Dec. 8	109.56	Jan. 23, 1950	117.56
Well E-10					
Owner: Roy Akers. Altitude of land surface: 1,241.44 feet.					
Dec. 10, 1936	83.00	July 25, 1940	115.92	Sept. 11, 1943	116.04
Jan. 29, 1939	120.30	Aug. 27	116.00	Dec. 20	115.48
Oct. 12	114.85	Sept. 26	116.12	Aug. 24, 1944	119.52
Dec. 19	115.89	Oct. 28	115.96	May 17, 1945	114.70
Feb. 28, 1940	115.61	Jan. 29, 1941	115.83	July 12	116.60
Mar. 26	115.90	Mar. 25	41.40	Mar. 20, 1946	113.1
May 23	115.95	May 22	42.47	Aug. 11, 1948	115.41
July 1	116.03	Apr. 3, 1942	85.30	Jan. 23, 1950	115.65

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-18					
Owner: Robert Heimer. Altitude of land surface: 1,090.3 feet.					
Jan. 29, 1940	49.30	Sept. 27, 1940	49.36	June 5, 1945	49.32
Feb. 27	49.35	Oct. 29	49.35	Jan. 23, 1950	49.31
Apr. 29	49.35	Dec. 6	49.28	Jan. 4, 1951	49.38
June 27	49.27	Sept. 10, 1943	49.11		
Sept. 26	61.48	May 19, 1945	49.70		
Well E-20					
Owner: H. Conrads. Altitude of land surface: 1,174.1 feet.					
Jan. 29, 1940	139.11	Oct. 28, 1940	139.45	Aug. 24, 1944	138.59
Feb. 27	139.25	Jan. 29, 1941	138.39	Dec. 18	136.62
Mar. 26	139.48	Mar. 25	132.11	Apr. 6, 1945	131.40
Apr. 29	139.41	May 22	132.80	May 17	137.40
May 23	130.39	Nov. 18	138.20	July 5	139.50
July 1	137.79	Dec. 8, 1942	136.5	Mar. 19, 1946	134.4
Aug. 27	148.44	Apr. 19, 1943	138.68		
Sept. 27	139.91	Nov. 29	141.32		
Well F-27					
Owner: Henry Heise. Altitude of land surface: 878.59 feet.					
Dec. 21, 1936	259.20	Feb. 27, 1940	250.32	Dec. 5, 1940	251.31
Oct. 9, 1939	261.40	Mar. 26	250.57	May 23, 1941	236.89
Dec. 18	249.58	July 1	249.68	Aug. 15	236.64
Jan. 29, 1940	250.07	Oct. 29	251.25	Apr. 9, 1942	242.21
Well F-29					
Owner: Henry Rahe. Altitude of land surface: 966.4 feet.					
Apr. 13, 1945	274.6	Jan. 24, 1950	304.0	Sept. 5, 1952	305.48
May 16	289.8	Jan. 5, 1951	304.77	Sept. 1, 1954	305.00
July 4	297.9	Mar. 12, 1952	305.38		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-44					
Owner: August Wehe. Altitude of land surface: 1,096.21 feet.					
Nov. 12, 1936	217.50	July 1, 1940	276.94	May 18, 1945	121.80
Oct. 11, 1939	286.04	Aug. 27	282.55	July 5	211.90
Jan. 29, 1940	281.02	May 22, 1941	244.40	Mar. 20, 1946	217.14
Feb. 27	278.21	Sept. 11, 1943	265.31	Aug. 11, 1948	278.5
May 23	278.47	Dec. 20	271.17	Jan. 25, 1950	273.70
Well E-50					
Owner: Charles Willig. Altitude of land surface: 1,052.40 feet.					
Nov. 12, 1936	213.10	July 25, 1940	322.41	Apr. 19, 1943	270.00
Oct. 11, 1939	322.09	Oct. 29	322.25	Sept. 11	286.24
Dec. 19	322.35	Jan. 29, 1941	298.35	Dec. 18, 1944	136.94
Jan. 30, 1940	325.00	Mar. 25	83.28	May 4, 1945	79.00
Feb. 27	322.17	Mar. 25	83.4	May 18	111.00
June 27	323.44	May 22	60.47	Mar. 20, 1946	183.4
Well E-58					
Owner: W. B. Ethridge. Altitude of land surface: 955.94 feet.					
Nov. 12, 1936	153.7	July 25, 1940	225.61	Nov. 19, 1941	180.03
Oct. 12, 1939	226.55	Aug. 27	224.88	Apr. 3, 1942	213.30
Dec. 19	224.75	Sept. 26	225.81	Aug. 7	216.24
Jan. 30, 1940	225.13	Oct. 29	225.77	Dec. 8	100.07
Feb. 28	224.51	Dec. 5	216.92	Apr. 19, 1943	201.47
Apr. 30	225.11	Jan. 24, 1941	201.11	Sept. 11	208.14
May 23	224.57	Mar. 25	79.86	Dec. 20	220.04
June 27	223.55	May 22	49.30		
Well E-59					
Owner: Ed Reeh. Altitude of land surface: 962.12 feet.					
Dec. 1, 1936	156.6	Jan. 10, 1951	266.88	Sept. 3, 1952	269.40
May 18, 1945	250.3	Mar. 11, 1952	268.22	Sept. 1, 1954	266.28

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-34					
Owner: H. W. Dietz. Altitude of land surface: 968.07 feet.					
Apr. 27, 1945	268.1	Jan. 24, 1950	267.3	Sept. 5, 1952	269.5
May 19	269.3	Jan. 4, 1951	267.23		
July 4	269.45	Mar. 12, 1952	270.4		
Well F-38					
Owner: Paul Tonne. Altitude of land surface: 954.06 feet.					
Nov. 9, 1936	255.64	May 18, 1945	254.10	Jan. 4, 1951	276.9
Jan. 10, 1937	254.87	July 11	266.90		
May 4, 1945	246.00	Jan. 22, 1950	271.00		
Well F-41					
Owner: Kreuger Brothers. Altitude of land surface: 941.79 feet.					
Jan. 25, 1937	188.75	Jan. 24, 1941	175.16	Aug. 24, 1944	175.19
Oct. 10, 1939	171.89	Mar. 25	170.54	Dec. 18	176.28
Jan. 29, 1940	179.90	May 22	168.19	May 18, 1945	182.40
Feb. 27	175.49	Nov. 18	177.36	July 4	181.48
Apr. 29	177.54	Mar. 6, 1942	172.81	Mar. 19, 1946	168.00
May 23	180.37	Apr. 3	180.42	July 6, 1947	188.86
June 27	180.93	Aug. 7	176.62	Nov. 23	192.74
July 26	182.46	Dec. 8	177.21	May 2, 1948	197.12
Aug. 27	178.43	Apr. 19, 1943	167.92	Aug. 11	196.14
Sept. 26	176.87	Sept. 10	167.70	Jan. 23, 1950	195.67
Oct. 28	184.91	Dec. 20	174.36	Jan. 3, 1951	197.77
Dec. 5	187.22	May 1, 1944	177.03		
Well F-44					
Owner: Walter Kappelmachev. Altitude of land surface: 861.68 feet.					
Oct. 10, 1939	233.09	Feb. 28, 1940	234.19	May 23, 1940	234.28
Dec. 18	233.80	Mar. 26	234.42	June 27	233.48
Jan. 29, 1940	234.05	Apr. 29	234.26	July 26	233.84
(Continued on next page)					

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-44--Continued					
Aug. 27, 1940	234.41	Apr. 3, 1942	228.50	May 19, 1946	225.1
Sept. 23	234.85	Aug. 7	228.82	July 6, 1947	220.58
Oct. 29	235.27	Dec. 7	220.85	Nov. 23	225.16
Dec. 5	235.30	Dec. 8	220.86	May 2, 1948	229.69
Jan. 24, 1941	233.64	Apr. 19, 1943	224.61	Jan. 11, 1949	233.90
Mar. 28	229.87	Apr. 29	224.95	Jan. 23, 1950	233.05
Aug. 14	223.22	Sept. 10	227.85	Jan. 4, 1951	235.65
Nov. 1	225.22	May 1, 1944	223.98	Mar. 12, 1952	239.0
Jan. 1, 1942	226.90	May 24, 1945	217.80	Sept. 5	242.0
Mar. 6	227.92	July 3	219.10		

Well F-49

Owner: Richard Gesche. Altitude of land surface: 916.6 feet.

Oct. 11, 1933	267.35	July 5, 1947	239.34	Jan. 3, 1951	266.39
Dec. 16, 1936	259.82	Nov. 23	241.61	Mar. 11, 1952	268.1
May 24, 1945	233.00	Apr. 23, 1948	254.80	Sept. 3	273.1
July 3	240.48	Jan. 23, 1950	267.02		

Well F-50

Owner: Henry Ludwig. Altitude of land surface: 920.9 feet.

Apr. 13, 1945	221.5	Nov. 27, 1947	246.3	Mar. 11, 1952	270.39
May 18	231.9	Apr. 23, 1948	261.18	Sept. 3	272.30
July 11	244.5	Jan. 25, 1950	266.22	Aug. 25, 1954	272.00
July 3, 1947	244.53	Jan. 3, 1951	269.38		

Well F-51

Owner: Eugene Kaub. Altitude of land surface: 930.68 feet.

Apr. 18, 1945	225.5	July 3, 1945	260.9	Mar. 11, 1952	272.8
May 18	247.1	Jan. 8, 1951	271.6	Sept. 3	272.1

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-52					
Owner: Charles Wuest. Altitude of land surface: 976.9 feet.					
Apr. 27, 1945	266.8	Jan. 25, 1950	280.95	Sept. 13, 1952	276.50
May 18	276.3	Jan. 8, 1951	285.81		
July 4	276.1	Mar. 11, 1952	279.75		
Well F-61					
Owner: O. C. Brehmer. Altitude of land surface: 916.87 feet.					
May 25, 1934	283.63	May 23, 1945	262.14	Mar. 11, 1952	287.60
Dec. 1, 1936	278.53	July 13	265.04	Sept. 4	288.53
Jan. 10, 1937	278.37	Jan. 4, 1951	284.50	Aug. 24, 1954	286.60
Well F-62					
Owner: R. R. Coreth. Altitude of land surface: 869.57 feet.					
May 25, 1934	228.20	Jan. 8, 1951	242.77	Aug. 25, 1954	246.85
July 2, 1945	235.00	Mar. 11, 1952	243.30		
Jan. 23, 1950	243.97	Sept. 4	245.01		
Well F-65					
Owner: W. E. F. Eilers. Altitude of land surface: 675.53 feet.					
Oct. 27, 1936	24.9	Mar. 12, 1952	44.14	Aug. 24, 1954	52.66
Jan. 9, 1951	41.06	Sept. 4	49.12		
Well F-68					
Owner: Schaeffer Bros. Altitude of land surface: 886.1 feet.					
May 28, 1934	241.69	May 25, 1945	231.84	Jan. 23, 1950	233.22
Dec. 18, 1936	243.50	July 13	234.74	Mar. 12, 1952	228.98

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-70					
Owner: Eugene Krause. Altitude of land surface: 903.7 feet.					
Oct. 11, 1933	259.71	Apr. 23, 1948	249.37	Sept. 3, 1952	270.80
May 25, 1936	255.54	Jan. 23, 1950	266.35	Sept. 1, 1954	267.08
May 25, 1945	229.80	Jan. 4, 1951	266.60		
July 3	232.05	Mar. 11, 1952	269.89		
Well G-1					
Owner: Jesse Posey. Altitude of land surface: 825.80 feet.					
Jan. 16, 1951	232.81	Sept. 5, 1952	234.76	Aug. 23, 1954	243.22
Mar. 3, 1952	236.07				
Well G-9					
Owner: Jesse Posey. Altitude of land surface: 823.31 feet.					
Jan. 15, 1951	232.19	Sept. 5, 1952	232.84	Aug. 23, 1954	237.50
Mar. 13, 1952	234.01				
Well G-10					
Owner: Travis Tate.					
Jan. 5, 1937	27.48	June 22, 1938	58.35	Mar. 28, 1939	154.60
Dec. 15	18.31	July 20	143.30	Apr. 23	168.96
Jan. 20, 1938	14.24	Aug. 26	126.80	May 26	78.99
Feb. 2	7.93	Sept. 28	46.67	July 3	169.4
Mar. 30	114.34	Dec. 13	117.30	Oct. 4	150.33
Apr. 22	10.65	Jan. 25, 1939	97.82	Jan. 5, 1951	35.67
May 18	121.33	Feb. 28	54.67		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-13					
Owner: William Posey. Altitude of land surface: 671.5 feet.					
Oct. 21, 1936	123.4	May 18, 1938	138.40	Dec. 13, 1938	179.73
Nov. 23, 1937	130.19	June 22	185.37	Jan. 25, 1939	161.50
Feb. 2	123.70	Aug. 26	149.60	Apr. 23	181.52
Mar. 30	158.92	Sept. 28	181.38	May 26	166.33
Apr. 22	154.18	Nov. 21	168.19		
Well G-19					
Owner: John Karbach. Altitude of land surface: 783.77 feet.					
Dec. 20, 1937	173.32	May 28, 1940	176.18	Mar. 20, 1946	171.42
Jan. 22, 1938	172.50	June 25	175.78	Nov. 22, 1947	171.01
Feb. 2	170.90	July 29	175.47	May 2, 1948	174.59
Mar. 30	171.14	Aug. 27	176.01	Feb. 10, 1949	175.69
Apr. 22	171.46	Sept. 23	176.50	Dec. 7	173.43
May 19	168.76	Oct. 28	176.74	Jan. 23, 1950	174.00
June 23	169.39	Dec. 6	175.88	Aug. 1	174.84
July 20	169.93	Jan. 29, 1941	173.85	Dec. 7	176.24
Aug. 30	171.20	Mar. 27	171.80	Jan. 5, 1951	176.03
Sept. 28	176.52	May 23	167.33	Dec. 19	177.62
Dec. 12	172.21	Aug. 8	168.18	Mar. 13, 1952	177.82
Jan. 25, 1939	173.29	Nov. 19	170.12	Aug. 8	177.00
Apr. 22	173.98	Mar. 6, 1942	172.30	Apr. 10, 1953	174.64
May 26	173.26	Apr. 9	172.68	Aug. 6	176.30
July 3	174.68	Aug. 3	172.45	Dec. 2	174.58
Dec. 20	176.04	Dec. 7	167.36	Apr. 30, 1954	175.49
Jan. 24, 1940	176.19	Apr. 19, 1943	171.01	July 13	177.63
Feb. 28	176.97	Dec. 20	173.22	Aug. 23	179.78
Mar. 22	176.35	Dec. 19, 1944	170.37		
Apr. 30	176.19	May 23, 1946	171.42		
Well G-22					
Owner: C. Conrads. Altitude of land surface: 726.65 feet.					
Oct. 20, 1936	126.9	Mar. 13, 1952	124.94	Aug. 23, 1954	125.87
Jan. 10, 1951	122.51	Sept.--	124.70		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-23					
Owner: Charles Soechting.	Altitude of land surface: 758.31 feet.				
Jan. 5, 1937	157.53	June 27, 1940	154.82	Apr. 18, 1949	153.31
Dec. 15	151.49	Aug. 27	154.45	Aug. 25	151.30
Jan. 21, 1938	149.81	Oct. 30	155.71	Oct. 10	151.75
Feb. 2	151.49	Jan. 23, 1941	152.22	Nov. 8	152.84
Mar. 30	149.06	Mar. 27	149.85	Dec. 7	151.13
Apr. 22	149.29	Nov. 18	148.23	Jan. 23, 1950	152.61
May 18	146.67	Mar. 6, 1942	150.33	Apr. 10	152.31
June 22	146.78	Apr. 9	150.94	Aug. 1	153.12
July 20	148.13	Aug. 7	150.81	Dec. 7	154.05
Aug. 26	150.50	Dec. 4	145.32	Jan. 5, 1951	154.30
Sept. 28	149.12	Sept. 10, 1943	149.72	Apr. 2	156.89
Nov. 2	150.79	Dec. 20	151.32	Aug. 2	156.74
Dec. 13	151.20	Apr. 10, 1944	146.40	Dec. 19	156.48
Jan. 24, 1939	151.83	Aug. 23	146.65	Mar. 13, 1952	157.21
Feb. 28	154.21	Dec. 18	148.51	Aug. 8	156.20
Mar. 28	152.91	May 23, 1945	144.08	Dec. 17	153.13
Apr. 23	152.75	July 6	145.60	Apr. 10, 1953	153.19
May 26	152.86	Mar. 20, 1946	149.42	Aug. 6	155.55
July 3	152.50	July 5, 1947	147.22	Dec. 2	153.11
Oct. 4	153.73	Nov. 19	150.45	Apr. 30, 1954	158.50
Dec. 18	156.02	Apr. 28, 1948	152.25	June 2	155.56
Jan. 23, 1940	155.10	June 25	153.03	July 13	156.63
Feb. 27	154.91	Aug. 6	153.10	Aug. 23	158.62
Mar. 22	155.17	Feb. 10, 1949	154.66	Dec. 7	158.04
Apr. 29	154.52	Mar. 9	153.79		

Well G-25

Owner: O. E. Gruene.	Altitude of land surface: 752.70 feet.				
Oct. 20, 1936	146.63	Sept. 28, 1938	148.43	Oct. 5, 1939	151.33
Dec. 6, 1937	149.04	Nov. 2	148.00	Jan. 23, 1940	151.97
Jan. 21, 1938	148.15	Dec. 13	148.50	Feb. 27	152.08
Feb. 2	146.34	Jan. 24, 1939	148.99	Mar. 22	152.23
Mar. 30	146.62	Feb. 28	148.99	Apr. 29	152.32
Apr. 22	146.77	Mar. 22	149.41	May 24	152.24
May 18	143.89	Apr. 22	149.68	July 1	151.34
June 22	144.46	May 26	149.99	July 27	151.21
July 20	145.46	July 3	150.37	Aug. 27	151.89

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Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-25--Continued					
Sept. 27, 1940	152.56	May 22, 1945	141.01	Dec. 7, 1950	151.03
Oct. 29	152.76	July 6	143.25	Jan. 5, 1951	151.64
Dec. 5	151.50	Mar. 20	146.93	Apr. 2	152.65
Jan. 24, 1941	149.19	July 2, 1947	146.73	Aug. 8	152.47
Mar. 27	146.55	Nov. 19	147.74	Dec. 19	153.78
May 23	142.35	Apr. 23, 1948	148.40	Mar. 13, 1952	154.28
Nov. 18	145.86	Aug. 6	151.90	Aug. 8	151.90
Mar. 6, 1942	147.75	Feb. 10, 1949	151.55	Dec. 17	149.98
Apr. 3	148.25	Aug. 25	148.67	Apr. 10, 1953	154.06
Apr. 19, 1943	146.51	Oct. 10	148.75	Aug. 6	152.15
Sept. 10	147.16	Nov. 8	149.16	Dec. 2	149.68
Dec. 20	148.71	Dec. 7	148.50	Apr. 30, 1954	152.13
Apr. 30, 1944	144.03	Jan. 23, 1950	149.22	July 13	155.07
Aug. 23	144.01	Apr. 10	149.43	Aug. 23	154.93
Dec. 18	145.63	Aug. 1	149.32	Dec. 7	155.22
Well G-26					
Owner: Emil Preusser. Altitude of land surface: 606.48 feet.					
Jan. 5, 1937	12.1	Mar. 3, 1952	17.27	Aug. 23, 1954	16.56
Jan. 5, 1951	16.20	Sept. 15	16.81		
Well G-29					
Owner: R. W. Gode. Altitude of land surface: 675.5 feet.					
Apr. 13, 1945	38.8	May 24, 1945	38.8	Mar. 12, 1952	54.62
May 16	36.8	July 2, 1950	38.8	Aug. 24, 1954	55.68
May. 23	37.2	July 4, 1951	52.2		
Well G-30					
Owner: L. S. Davis. Altitude of land surface: 840.07 feet.					
Dec. 21, 1936	211.08	Mar. 26, 1940	215.33	July 26, 1940	213.48
Dec. 19, 1939	214.03	Apr. 29	214.72	Aug. 28	214.30
Jan. 29, 1940	214.33	May 24	214.84	Oct. 29	215.19
Feb. 27	215.66	July 1	214.07	Dec. 5	215.06
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Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-30--Continued					
Jan. 29, 1941	212.99	Mar. 19, 1946	209.08	Dec. 8, 1950	217.55
Aug. 15	203.05	Apr. 23, 1948	208.62	Jan. 4, 1951	214.72
Nov. 18	204.75	June 25	210.06	Apr. 2	216.71
Mar. 6, 1942	207.41	Aug. 11	210.75	Aug. 2	218.84
Apr. 9	208.04	Feb. 10, 1949	213.60	Aug. 6, 1952	219.81
Aug. 7	206.21	Apr. 19	212.84	Sept. 5	221.25
Dec. 7	199.47	Aug. 25	209.20	Dec. 16	212.05
Sept. 10, 1943	206.92	Dec. 7	208.67	Apr. 10, 1953	211.80
Dec. 18, 1944	209.89	Jan. 23, 1950	209.85	Nov. 30	212.99
Apr. 23, 1945	197.55	Apr. 10	211.00	Apr. 30, 1954	214.72
July 6	199.18	Aug. 1	212.28		
Well G-31					
Owner: W. H. Harborth. Altitude of land surface: 809.05 feet.					
Oct. 28, 1936	158.37	Apr. 9, 1942	176.06	Dec. 7, 1949	177.95
Dec. 18, 1939	183.71	Aug. 7	174.63	Jan. 23, 1950	178.45
Jan. 29, 1940	183.10	Dec. 7	165.0	Apr. 10	178.45
Feb. 27	183.32	Apr. 20, 1943	171.51	Aug. 1	179.72
Mar. 26	183.57	Sept. 10	174.78	Dec. 8	183.14
Apr. 29	183.62	Dec. 20	177.05	Jan. 4, 1951	182.45
May 24	183.79	May 2, 1944	168.58	Apr. 2	183.33
June 27	183.14	Aug. 23	172.14	Aug. 2	183.81
July 29	182.60	Dec. 18	163.12	Dec. 19	185.42
Aug. 28	183.20	May 23, 1945	164.95	Mar. 12, 1952	185.94
Sept. 26	183.75	July 3	173.09	Aug. 6	186.70
Oct. 29	184.13	Mar. 19, 1946	167.01	Sept. 5	185.19
Dec. 5	184.16	July 6, 1947	172.40	Dec. 16	179.35
Jan. 29, 1941	182.21	Apr. 23, 1948	176.42	Apr. 10, 1953	179.13
Mar. 28	179.37	June 25	177.80	Aug. 6	182.35
May 23	171.65	Aug. 11	178.82	Aug. 23, 1954	185.21
Aug. 15	169.20	Feb. 10, 1949	182.10	Dec. 12	186.57
Nov. 18	172.26	Apr. 19	181.80		
Mar. 6, 1942	175.39	Aug. 25	177.90		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-32					
Owner: William Kraft. Altitude of land surface: 806.50 feet.					
Dec. 19, 1939	182.50	Nov. 19, 1941	174.41	June 25, 1948	179.59
Jan. 29, 1940	182.71	Mar. 6, 1942	176.72	Dec. 7, 1949	178.35
Feb. 27	182.82	Apr. 9	177.24	Aug. 1, 1950	181.37
Mar. 26	182.99	Aug. 7	176.73	Dec. 8	184.55
Apr. 29	182.87	Dec. 7	170.46	Apr. 2, 1951	184.40
May 24	183.04	Apr. 19, 1943	174.58	Aug. 8	185.90
July 1	181.96	Sept. 10	176.76	Dec. 19	186.63
July 29	181.99	Dec. 20	178.59	Mar. 12, 1952	186.68
Aug. 28	182.79	Apr. 30, 1944	173.10	Aug. 6	185.65
Sept. 23	183.28	Aug. 23	172.50	Dec. 16	182.40
Oct. 29	183.62	Dec. 18	174.58	Apr. 10, 1953	181.41
Jan. 24, 1941	181.50	Apr. 23, 1945	168.68	Aug. 6	183.81
Mar. 28	178.43	July 3	170.50	Nov. 30	182.28
May 23	172.53	Mar. 19, 1946	175.30		
Well G-33					
Owner: Albert Simon. Altitude of land surface: 792.99 feet.					
Nov. 3, 1936	170.00	Dec. 20, 1943	165.00	Apr. 10, 1950	166.60
Dec. 19, 1939	169.46	Apr. 30, 1944	165.90	Aug. 1	167.69
Jan. 29, 1940	169.71	Aug. 23	159.19	Jan. 4, 1951	170.35
Mar. 26	169.89	Dec. 18	161.04	Aug. 2	171.46
Apr. 29	169.73	May 23, 1945	155.72	Dec. 19	177.81
May 24	169.96	July 2	157.05	Mar. 12, 1952	173.06
Aug. 28	169.64	Mar. 19, 1946	161.94	Sept. 5	173.25
Sept. 23	170.20	Apr. 24, 1948	172.77	Dec. 16	167.38
Aug. 15, 1941	161.33	June 25	166.06	Apr. 10, 1953	167.34
Apr. 9, 1942	163.91	Feb. 10, 1949	169.00	Aug. 6	170.16
Aug. 7	163.09	Apr. 18	167.54	Nov. 30	170
Dec. 7	157.73	Aug. 25	165.01	Apr. 30, 1954	170.96
Apr. 19, 1943	161.09	Dec. 7	164.50	July 13	174.92
Sept. 10	162.99	Jan. 23, 1950	165.00	Sept. 1	175.85

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-34					
Owner: Albert Wallhoeffer. Altitude of land surface: 700.60 feet.					
Dec. 30, 1936	89.60	Aug. 27, 1940	92.31	Mar. 9, 1949	91.71
Dec. 15, 1937	90.11	Sept. 27	92.68	Apr. 18	91.37
Jan. 22, 1938	89.51	Oct. 29	92.79	Aug. 25	89.94
Feb. 2	88.23	Dec. 5	92.13	Oct. 10	90.43
Mar. 30	88.36	Jan. 24, 1941	90.58	Nov. 8	89.74
Apr. 22	88.56	May 23	85.19	Dec. 7	89.94
May 18	86.40	Aug. 8	85.92	Jan. 23, 1950	90.94
June 22	86.86	Nov. 18	87.84	Apr. 10	90.64
July 20	87.44	Mar. 6, 1942	89.31	Aug. 1	91.13
Sept. 29	88.98	Apr. 3	89.56	Dec. 7	92.16
Nov. 2	89.38	Aug. 7	89.41	Jan. 5, 1951	92.27
Dec. 13	90.76	Dec. 4	85.23	Apr. 2	92.64
Jan. 24, 1939	90.09	Apr. 19, 1943	88.23	Aug. 2	92.81
Feb. 28	90.16	Sept. 10	88.81	Dec. 19	93.36
Mar. 28	90.18	Dec. 20	90.07	Mar. 13, 1952	93.64
Apr. 23	90.41	Apr. 30, 1944	86.57	Aug. 8	94.26
May 26	90.91	Aug. 23	86.50	Sept. 5	93.68
July 3	90.74	Dec. 18	87.76	Dec. 17	91.43
Oct. 4	92.57	May 22, 1945	83.64	Apr. 10, 1953	91.47
Dec. 18	91.78	July 6	85.23	Aug. 6	92.87
Jan. 23, 1940	92.22	Mar. 20, 1946	88.48	Dec. 2	91.68
Feb. 27	92.40	June 23, 1947	86.68	Apr. 30, 1954	92.88
Mar. 22	92.48	Nov. 19	89.25	June 2	93.12
Apr. 27	92.38	Apr. 24, 1948	90.58	July 13	93.62
May 29	92.36	June 25	91.03	Aug. 23	95.23
June 27	92.01	Aug. 6	91.25	Dec. 7	94.22
July 29	91.86	Feb. 10, 1949	92.10		

Well G-43

Owner: Bruno Priess. Altitude of land surface: 672.17 feet.

Oct. 21, 1936	51.23	July 19, 1938	51.23	Feb. 28, 1939	53.26
Dec. 6, 1937	52.93	Aug. 26	51.80	Mar. 28	53.37
Jan. 21, 1938	52.39	Sept. 28	52.22	Apr. 23	53.64
Feb. 2	51.43	Nov. 2	52.57	May 26	53.89
Mar. 30	51.53	Dec. 12	52.77	July 3	55.01
May 18	49.76	Jan. 24, 1939	53.02	Oct. 5	54.65

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Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-43--Continued					
Dec. 18, 1939	54.78	Nov. 14, 1941	51.41	Nov. 22, 1947	52.93
Jan. 24, 1940	54.85	Mar. 6, 1942	52.46	Aug. 6, 1948	54.91
Feb. 27	54.95	Apr. 3	52.73	Feb. 10, 1949	55.47
Mar. 22	55.04	Aug. 7	52.71	Mar. 9	55.03
Apr. 27	54.99	Dec. 4	49.57	Apr. 18	54.90
June 27	54.53	Apr. 19, 1943	51.77	Aug. 25	53.86
July 29	54.72	Sept. 10	52.49	Oct. 10	53.84
Aug. 27	55.18	Dec. 20	55.82	Nov. 8	53.38
Sept. 23	55.42	Apr. 30, 1944	50.93	Dec. 7	53.68
Oct. 28	55.43	Aug. 23	51.26	Jan. 23, 1950	54.01
Dec. 5	54.80	Dec. 19	51.51	Apr. 10	54.32
Jan. 24, 1941	53.76	May 23, 1945	49.97	Aug. 1	54.92
Mar. 28	52.18	July 6	50.09	Dec. 7	55.65
May 23	49.47	Mar. 20, 1946	51.96	Jan. 4, 1951	55.77
Aug. 8	50.44	July 6, 1947	52.25		
Well G-45					
Owner: Max Linnartz. Altitude of land surface: 669.89 feet.					
Oct. 28, 1936	54.0	Mar. 12, 1942	60.30	Aug. 24, 1954	61.83
Jan. 5, 1951	57.35	Sept. 5	61.06		
Well G-48					
Owner: Dean Word. Altitude of land surface: 747.83 feet.					
Jan. 6, 1937	119.55	May 24, 1945	122.30	June 25, 1948	124.84
Apr. 13, 1945	121.90	July 2	122.75	Jan. 4, 1951	125.13
May 19	122.10	July 5, 1947	122.97		
Well G-49					
Owner: City of New Braunfels. Altitude of land surface: 642.7 feet.					
Nov. 25, 1948	*18.32	Mar. 9, 1949	18.21	July 15, 1949	17.31
Dec. 1	*18.30	Apr. 20	18.12	Aug. 25	17.75
Jan. 1, 1949	*18.41	May 16	16.89	Sept. 14	17.92
Feb. 1	*18.49	June 16	17.11	Feb. 16, 1950	*17.54

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*Monthly highest measurements from recorder graph.

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-49--Continued					
Mar. 10, 1950	*17.51	Nov. 4, 1951	*19.71	July 5, 1953	*20.65
Apr. 26	*17.83	Dec. 4	*19.68	Aug. 30	*20.47
May 2	*17.82	Jan. 8, 1952	*19.71	Sept. 22	*19.87
June 5	*17.76	Feb. 27	*19.81	Oct. 25	*19.68
July 2	*18.11	Mar. 6	*19.77	Nov. 18	*19.69
Aug. 1	*18.35	Apr. 23	*19.66	Dec. 21	*19.57
Sept. 29	*18.39	May 2	*19.73	Jan. 2, 1954	*19.60
Oct. 1	*18.39	June 2	*19.89	Feb. 1	*19.80
Nov. 19	*18.49	July 5	*20.14	Mar. 1	*20.14
Dec. 4	*18.58	Aug. 4	*20.36	Apr. 17	*20.61
Jan. 2, 1951	*18.59	Sept. 10	*19.22	May 4	*20.68
Feb. 25	*18.79	Oct. 9	*20.01	June 4	*21.03
Mar. 2	*18.80	Nov. 29	*19.58	July 5	*21.17
Apr. 1	*18.86	Dec. 31	*19.20	Aug. 2	*21.69
May 22	*19.06	Jan. 8, 1953	*19.06	Sept. 3	*21.96
June 4	*18.91	Feb. 1	*19.39	Oct. 31	*21.45
July 1	*19.29	Mar. 1	*19.59	Nov. 23	*21.14
Aug. 1	*19.82	Apr. 6	*19.68	Dec. 29	*21.03
Sept. 29	*19.76	May 24	*20.09		
Oct. 31	*19.75	June 1	*20.34		

Well G-51

Owner: Marvin Scheel. Altitude of land surface: 843.46 feet.

Dec. 20, 1943	204.7	July 2, 1945	202.2	Mar. 12, 1952	215.76
May 17, 1945	200.9	Jan. 4, 1951	211.88		

Well G-53

Owner: A. Swanson. Altitude of land surface: 736.05 feet.

Jan. 6, 1937	100.80	July 5, 1947	111.58	Mar. 12, 1952	115.22
Apr. 13, 1945	110.09	Nov. 23	112.65	Sept. 4, 1953	115.90
May 19	110.06	Apr. 24, 1948	113.30	Aug. 24, 1954	116.27
May 24	110.34	Jan. 23, 1950	113.20		
July 2	110.85	Jan. 4, 1951	114.20		

*Monthly highest measurements from recorder graph.

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-67					
Owner: Walter Sippel. Altitude of land surface: 649.7 feet.					
Dec. 20, 1943	16.0	July 5, 1947	10.0	Jan. 4, 1951	17.33
May 30, 1945	6.6	Nov. 22	12.2	Mar. 12, 1952	22.06
July 4	7.9	May 2, 1948	16.1	Sept. 4	26.10
July 13	9.0	Jan. 23, 1950	11.3	Aug. 24, 1954	27.48
Well G-69					
Owner: Erwin Soefje. Altitude of land surface: 653.22 feet.					
Dec. 1, 1943	30.8	Mar. 12, 1952	35.80	Aug. 23, 1954	39.18
Jan. 10, 1951	33.68	Sept. 5	38.21		
Well G-77					
Owner: L. Jentsch. Altitude of land surface: 661.45 feet.					
Dec. 4, 1936	16.44	Mar. 6, 1942	21.10	Dec. 7, 1949	25.96
Dec. 15, 1937	19.99	Apr. 9	20.34	Jan. 23, 1950	26.02
Jan. 21, 1938	19.46	Aug. 7	22.19	Apr. 10	26.40
Feb. 2	18.27	Dec. 3	16.82	Aug. 1	27.91
Mar. 30	18.33	Apr. 20, 1943	20.36	Dec. 8	29.05
Apr. 22	18.95	Dec. 21	23.11	Jan. 3, 1951	29.03
May 19	17.25	Aug. 24, 1944	22.98	Apr. 2	30.14
Jan. 25, 1939	21.87	Dec. 19	21.61	Aug. 2	32.86
Apr. 23	23.41	May 23, 1945	18.83	Dec. 19	32.94
May 26	23.90	July 13	20.14	Mar. 12, 1952	33.27
July 3	24.65	Mar. 19, 1946	22.24	Aug. 5	34.68
Oct. 5	25.13	July 5, 1947	21.75	Sept. 4	37.41
Mar. 22, 1940	25.41	Nov. 22	24.45	Dec. 16	33.20
Apr. 26	24.94	Apr. 24, 1948	26.67	Apr. 10, 1953	33.11
May 23	26.00	June 25	28.97	Aug. 6	38.08
Sept. 25	27.02	Aug. 6	29.03	Nov. 30	33.38
Oct. 29	27.06	Feb. 11, 1949	29.46	Apr. 30, 1954	36.13
Jan. 29, 1941	24.45	Mar. 9	28.72	June 2	36.27
Mar. 25	21.39	Apr. 20	28.40	July 13	37.81
May 23	17.33	Aug. 25	26.16	Aug. 23	40.42
Aug. 11	19.76	Oct. 10	27.31	Dec. 12	37.67
Nov. 14	19.81	Nov. 8	25.73		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-78					
Owner:	Ernest Voight.	Altitude of land surface:	715.90 feet.		
Oct. 26, 1936	73.8	Mar. 12, 1952	90.18	Aug. 23, 1954	96.01
Jan. 10, 1951	86.50	Sept. 5	94.01		
Well G-79					
Owner:	A. O. Hoffman.	Altitude of land surface:	841.49 feet.		
Jan. 16, 1951	238.13	Sept. 5, 1952	238.64	Aug. 23, 1954	240.10
Mar. 13, 1952	240.15				
Well G-82					
Owner:	Erwin Scheel.	Altitude of land surface:	762.31 feet.		
Jan. 10, 1951	131.90	Sept. 4, 1952	139.32	Aug. 24, 1954	141.61
Mar. 12, 1952	135.63				
Well H-2					
Owner:	F. A. Burkett.	Altitude of land surface:	733.85 feet.		
Oct. 26, 1936	93.7	Mar. 11, 1952	106.88	Aug. 23, 1954	114.86
Jan. 9, 1951	102.64	Sept. 4	110.84		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-6					
Owner: A. W. Feich. Altitude of land surface: 728.13 feet.					
May 28, 1934	69.94	July 25, 1940	86.81	Feb. 11, 1949	92.27
Oct. 26, 1936	77.09	Aug. 28	88.40	Mar. 9	90.54
Dec. 15, 1937	80.52	Sept. 26	88.75	Apr. 20	86.05
Jan. 21, 1938	79.43	Oct. 29	88.63	Aug. 25	90.20
Feb. 2	77.85	Dec. 4	87.31	Oct. 10	89.79
Mar. 30	78.13	Jan. 29, 1941	85.37	Nov. 8	87.34
Apr. 22	78.87	Mar. 25	81.78	Dec. 7	87.71
May 19	76.83	May 23	78.14	Jan. 23, 1950	87.95
June 23	78.16	Aug. 7	79.72	Apr. 10	88.99
July 20	80.00	Nov. 14	79.77	Aug. 1	91.62
Aug. 25	80.76	Mar. 6, 1942	81.19	Dec. 8	92.13
Sept. 28	82.68	Apr. 9	81.69	Jan. 3, 1951	92.14
Dec. 12	82.18	Aug. 6	82.61	Apr. 2	93.68
Jan. 24, 1939	83.20	Dec. 3	76.70	Aug. 2	97.89
Feb. 28	82.66	Apr. 20, 1943	80.67	Dec. 19	96.64
Mar. 28	83.26	Sept. 10	84.11	Mar. 12, 1952	97.32
Apr. 22	84.18	Dec. 21	84.19	Aug. 5	101.05
May 26	84.94	Aug. 24, 1944	83.97	Sept. 4	102.99
July 3	86.96	Dec. 19	81.87	Dec. 16	97.58
Oct. 5	86.60	May 23, 1945	78.44	Apr. 10, 1953	97.09
Dec. 19	86.05	July 4	80.05	Aug. 6	104.17
Jan. 30, 1940	85.72	Mar. 19, 1946	83.66	Nov. 30	97.16
Feb. 20	86.07	July 5, 1947	82.76	Apr. 30, 1954	100.91
Mar. 22	86.74	Nov. 27	85.58	June 2	101.58
Apr. 20	86.94	Apr. 24, 1948	89.00	July 13	103.77
May 23	87.46	June 25	91.32	Sept. 1	106.58
June 21	86.97	Aug. 6	92.30	Dec. 7	104.62
Well H-8					
Owner: Oscar Jonas. Altitude of land surface: 724.68 feet.					
Dec. 4, 1936	67.2	Mar. 11, 1952	98.41	Aug. 26, 1954	127.70
Jan. 3, 1951	93.55	Sept. 4	123.20		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-14					
Owner:	Edwards Gerhardt Estate.	Altitude of land surface:	967.4 feet.		
Oct. 11, 1933	306.8	July 4, 1945	294.5	Jan. 3, 1951	319.79
May 5, 1945	291.1	July 3, 1947	295.36	Mar. 11, 1952	327.4
May 18	290.5	Jan. 25, 1950	311.6	Sept. 3	332.2
Well H-20					
Owner:	William Schaeffer.	Altitude of land surface:	684.45 feet.		
May 24, 1934	34.48	Sept. 24, 1940	40.54	Apr. 20, 1949	41.70
Jan. 7, 1937	28.48	Oct. 29	39.76	Aug. 25	40.60
Jan. 21, 1938	30.41	Dec. 4	38.48	Oct. 10	41.65
Feb. 2	29.00	Jan. 29, 1941	36.64	Nov. 8	38.44
Mar. 30	29.37	Mar. 25	31.93	Dec. 7	39.06
Apr. 22	29.61	May 23	27.38	Jan. 23, 1950	39.77
May 19	27.47	Aug. 7	30.52	Apr. 10	40.35
June 23	29.44	Nov. 14	30.40	Aug. 1	44.05
July 20	30.93	Mar. 6, 1942	31.66	Dec. 8	44.91
Aug. 25	33.00	Apr. 9	32.27	Jan. 3, 1951	45.12
Sept. 28	32.45	Aug. 7	33.94	Apr. 2	46.42
Jan. 24, 1939	33.45	Apr. 20, 1943	31.26	Aug. 2	51.51
Feb. 28	34.88	Sept. 10	34.24	Dec. 19	50.17
Mar. 28	34.29	Dec. 21	35.06	Mar. 12, 1952	50.82
Apr. 23	35.67	Aug. 24, 1944	35.19	Aug. 5	55.29
May 26	36.78	Dec. 19	31.97	Sept. 4	57.06
July 3	38.65	May 23, 1945	28.32	Dec. 16	49.58
Oct. 5	38.57	July 4	30.90	Apr. 10, 1953	51.02
Jan. 30, 1940	37.37	Mar. 19, 1946	32.98	Aug. 6	58.30
Feb. 20	37.53	July 5, 1947	33.90	Nov. 30	50.44
Mar. 22	38.42	Nov. 22	36.66	Apr. 30, 1954	54.86
Apr. 26	38.84	Apr. 24, 1948	40.17	June 2	55.83
May 23	38.95	June 25	42.18	July 13	57.92
June 21	38.12	Aug. 6	43.91	Aug. 23	60.12
July 25	38.34	Feb. 11, 1949	43.74	Dec. 7	56.67
Aug. 28	40.34	Mar. 9	42.14		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-22					
Owner: Ben Jahn. Altitude of land surface: 728.63 feet.					
May 28, 1934	82.86	Nov. 21, 1935	77.14	Jan. 8, 1951	92.22
Oct. 8	85.24	Jan. 19, 1936	78.21	Aug. 23, 1954	109.04
Aug. 9, 1935	73.63	Dec. 18	79.61		
Well H-23					
Owner: O. Penshorn. Altitude of land surface: 694.67 feet.					
May 28, 1934	53.00	Jan. 19, 1936	31.92	July 5, 1947	18.06
Oct. 9	43.25	Dec. 3	29.49	Nov. 23	29.00
Aug. 10, 1935	35.50	Jan. 7, 1937	36.58		
Nov. 21	30.96	July 13, 1945	34.58		
Well H-28					
Owner: Percy Hansman. Altitude of land surface: 786.53 feet.					
May 24, 1934	133.93	Jan. 9, 1951	145.12	Aug. 23, 1954	162.57
Dec. 3, 1936	127.36	Mar. 11, 1952	155.55		
Jan. 7, 1937	128.88	Sept. 4	158.44		
Well H-31					
Owner: Lena Binzeil Estate. Altitude of land surface: 844.2 feet.					
Dec. 17, 1936	174.3	July 3, 1947	170.8	Jan. 5, 1951	194.15
May 5, 1945	174.6	Nov. 23	182.0	Aug. 27, 1954	211.63
May 18	165.8	Apr. 23, 1948	185.8		
July 4	170.7	Jan. 25, 1950	191.0		
Well H-34					
Owner: Paul J. Marbach. Altitude of land surface: 804.6 feet.					
May 5, 1945	130.6	Nov. 23, 1947	145.1	Sept. 3, 1952	170.51
May 18	132.0	Apr. 23, 1948	145.99	Aug. 27, 1954	175.66
July 4	135.3	Jan. 3, 1951	156.70		
July 3, 1947	135.12	Mar. 11, 1952	164.83		

Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
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Well H-39

Owner: Davenport School. Altitude of land surface: 851.7 feet.

Dec. 10, 1948	203.5	Jan. 1, 1951	205.0	Feb. 16, 1953	210.30
Jan. 3, 1949	203.7	Feb. 28	206.2	Mar. 1	210.70
Feb. 28	202.6	Mar. 1	206.2	Apr. 6	212.57
Mar. 26	201.9	Apr. 1	207.0	May 1	212.74
Apr. 30	194.5	May 27	207.4	June 1	217.24
May 16	192.9	June 7	206.8	July 21	221.80
June 1	194.1	July 1	210.0	Aug. 31	219.10
July 4	195.2	Aug. 1	213.6	Sept. 15	212.55
Aug. 5	197.6	Sept. 30	212.9	Oct. 31	213.26
Sept. 1	200.3	Oct. 30	212.8	Nov. 11	212.35
Oct. 31	197.0	Nov. 27	212.3	Dec. 21	211.47
Nov. 1	197.0	Dec. 2	212.1	Jan. 1, 1954	211.68
Dec. 20	198.0	Jan. 7, 1952	212.3	Feb. 1	212.82
Jan. 3, 1950	198.0	Feb. 28	213.0	Mar. 6	215.24
Feb. 24	197.4	Mar. 3	212.8	Apr. 19	217.79
Mar. 5	197.5	Apr. 24	212.6	May 4	217.90
Apr. 12	199.1	May 1	213.0	June 1	219.13
May 1	199.2	June 1	214.1	July 1	220.94
June 7	198.7	July 1	216.2	Aug. 9	224.86
July 3	201.5	Aug. 1	218.2	Sept. 29	225.16
Aug. 19	203.6	Sept. 30	215.0	Oct. 31	222.15
Sept. 28	204.5	Oct. 1	214.9	Nov. 23	200.52
Nov. 19	204.6	Nov. 30	212.7	Dec. 31	220.06
Dec. 4	205.0	Dec. 7	211.6		

Well H-44

Owner: D. N. Barnett. Altitude of land surface: 836.5 feet.

Dec. 9, 1937	178.95	Dec. 12, 1938	177.10	Jan. 30, 1940	185.59
Jan. 2, 1938	179.05	Jan. 24, 1939	180.87	May 25	187.41
Feb. 2	175.50	Feb. 28	181.28	June 21	187.35
Mar. 30	175.56	Mar. 28	181.50	Aug. 24, 1944	182.08
Apr. 22	176.24	Apr. 22	182.76	May 2, 1945	175.61
May 19	175.10	May 25	183.75	June 25, 1948	191.71
June 23	176.15	July 4	184.15	July 2	191.79
July 19	177.18	Oct. 5	188.18	Aug. 6	192.18
Aug. 25	177.20	Dec. 19	185.90	Feb. 11, 1949	193.44

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Water levels in wells in Comal County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-44--Continued					
Mar. 9, 1949	192.78	Aug. 2, 1951	200.36	Nov. 30, 1953	201.71
Jan. 23, 1950	191.50	Mar. 11, 1952	200.84	June 2, 1954	205.71
Apr. 10	192.60	Aug. 5	209.14	July 13	208.57
Aug. 1	197.80	Sept. 4	211.51	Aug. 23	211.80
Dec. 8	193.60	Dec. 16	201.83	Dec. 7	210.14
Jan. 3, 1951	193.80	Apr. 10, 1953	200.92		
Apr. 2	195.20	Aug. 6	207.57		

Water levels in wells in Hays County, Tex.
(In feet below land-surface datum)

Date	Water level	Date	Water level	Date	Water level
Well C-21					
Owner: George Rust.					
Nov. 15, 1937	94.65	Aug. 29, 1940	99.53	Mar. 21, 1946	74.56
Dec. 13	95.95	Sept. 23	99.76	Aug. 5, 1948	99.79
Jan. 20, 1938	75.1	Oct. 28	99.92	Feb. 8, 1949	103.16
Mar. 1	91.41	Dec. 6	99.71	Apr. 18	98.89
Mar. 31	92.42	Jan. 30, 1941	99.05	Aug. 23	99.33
Apr. 28	73.4	Mar. 27	81.2	Nov. 30	100.17
July 21	90.44	May 29	89.9	Apr. 11, 1950	101.50
Aug. 30	91.35	Aug. 6	87.69	Aug. 2	100.92
Dec. 12	94.28	Nov. 19	91.25	Dec. 6	100.22
Jan. 25, 1939	95.27	Apr. 2, 1942	94.74	Apr. 4, 1951	103.85
May 24	92.18	Aug. 3	96.84	Aug. 9	112.29
Oct. 4	98.23	Dec. 7	97.44	Dec. 5	102.79
Jan. 24, 1940	100.85	Apr. 15, 1943	96.2	Apr. 18, 1952	105.08
Feb. 28	98.88	Sept. 11	96.60	Aug. 8	109.85
Mar. 27	98.96	Dec. 18	97.20	Apr. 13, 1953	102.37
Apr. 30	99.23	May 1, 1944	93.73	Aug. 18	102.03
May 28	99.38	Aug. 25	92.17	Dec. 3	96.95
June 25	99.55	Dec. 19	93.41		
July 29	99.50	May 24, 1945	88.23		

Well C-22

Owner: George Rust.				
Nov. 15, 1937	272.34	June 25, 1940	275.02	Dec. 18, 1943
Dec. 13	272.67	July 29	275.01	May 1, 1944
Jan. 26, 1938	235.02	Aug. 29	275.12	Aug. 25
Mar. 31	269.39	Sept. 23	275.23	Dec. 19
Apr. 28	270.5	Oct. 28	275.34	May 24, 1945
May 20	271.21	Dec. 6	275.38	Mar. 21, 1946
Mar. 1, 1939	273.70	Jan. 30, 1941	274.80	Aug. 5, 1948
Mar. 29	273.98	Mar. 27	269.17	Feb. 8, 1949
May 24	274.00	May 29	255.02	Apr. 18
Oct. 4	274.80	Aug. 6	271.62	Aug. 23
Dec. 20	275.15	Nov. 19	274.11	Nov. 30
Jan. 24, 1940	275.23	Apr. 2, 1942	274.69	Apr. 11, 1950
Feb. 28	275.10	Aug. 3	274.89	Aug. 2
Mar. 27	275.13	Dec. 7	274.76	Dec. 6
Apr. 30	275.00	Apr. 15, 1943	274.86	Aug. 18, 1953
May 28	275.01	Sept. 11	275.20	Dec. 3

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well C-23					
Owner: J. N. Byler.					
Nov. 1, 1937	221.88	Feb. 28, 1940	233.3	Apr. 11, 1950	236.90
Jan. 25, 1938	208.00	Sept. 23	231.75	Aug. 2	228.80
Mar. 1	213.12	Oct. 28	232.48	Dec. 6	232.08
Mar. 31	214.76	Nov. 19, 1941	218.94	Apr. 4, 1951	231.02
Apr. 28	172.9	Apr. 13, 1943	220.51	Aug. 7	238.50
June 23	218.2	Sept. 11	225.89	Dec. 5	235.2
July 21	218.34	May 1, 1944	213.72	Apr. 18, 1952	240.4
Aug. 30	219.76	Aug. 25	219.98	Aug. 8	236.94
Sept. 29	221.98	May 24, 1945	212.62	Apr. 13, 1953	228.72
Dec. 12	226.80	Mar. 21, 1946	198.75	Aug. 18	229.77
Jan. 25, 1939	226.01	Aug. 5, 1948	232.8	Dec. 3	220.40
Mar. 1	224.62	Apr. 18, 1949	231.05		
Jan. 24, 1940	232.88	Nov. 30	233.70		
Well D-22					
Owner: James R. Hall.					
Aug. 23, 1949	61.16	Dec. 7, 1950	64.18	Apr. 18, 1952	39.74
Nov. 30	62.16	Apr. 4, 1951	47.11	Aug. 8	62.99
Apr. 11, 1950	42.67	Aug. 7	65.39	Apr. 14, 1953	41.82
Aug. 2	56.79	Dec. 5	64.90	Dec. 3	32.58
Well D-23					
Owner: Wiley Roberts.					
Oct. 28, 1937	85.00	Feb. 28, 1940	85.08	May 1, 1944	84.76
Dec. 10	85.13	Mar. 27	85.05	Aug. 25	85.02
Mar. 1, 1938	84.80	Apr. 30	84.95	Dec. 19	84.88
Mar. 31	84.88	May 28	85.02	May 24, 1945	84.82
Apr. 23	84.83	June 25	84.89	Mar. 21, 1946	84.82
May 20	84.76	July 29	84.87	Aug. 5, 1948	85.05
June 22	84.82	Aug. 29	84.98	Feb. 8, 1949	85.00
July 21	85.01	Sept. 23	85.05	Apr. 18	84.89
Aug. 30	84.99	Oct. 28	85.04	Aug. 23	85.05
Sept. 29	85.27	Dec. 6	84.87	Nov. 30	85.11
Nov. 5	86.96	Jan. 30, 1941	84.89	Apr. 11, 1950	84.92
Dec. 12	85.20	Mar. 27	84.84	Aug. 2	84.95
Jan. 26, 1939	85.05	May 29	84.82	Dec. 7	85.58
Mar. 1	84.02	Aug. 6	84.85	Apr. 4, 1951	85.92
Mar. 29	84.97	Nov. 19	85.00	Aug. 7	85.08
Apr. 28	85.31	Apr. 2, 1942	85.07	Dec. 5	85.15
May 24	85.06	Aug. 3	85.06	Apr. 18, 1952	85.15
July 1	85.23	Dec. 7	84.87	Aug. 8	85.26
Oct. 4	85.08	Apr. 15, 1943	84.79	Apr. 14, 1953	84.83
Dec. 20	85.11	Sept. 11	84.99	Aug. 18	85.14
Jan. 24, 1940	85.10	Dec. 18	85.05	Dec. 3	84.85

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level		
Well D-36							
Owner: T. E. Gillespie.							
Oct. 28, 1937	24.42	May 24, 1939	117.76	Mar. 27, 1941	20.39		
Dec. 10	24.55	July 1	128.99	May 29	22.92		
Jan. 25, 1938	18.66	Oct. 4	123.36	Nov. 19	43.18		
Mar. 31	23.08	Dec. 20	120.24	Apr. 2, 1942	24.83		
Apr. 24	20.81	Jan. 24, 1940	108.04	Aug. 3	67.50		
May 20	21.94	Feb. 28	23.71	Dec. 7	23.69		
June 22	23.71	Mar. 27	24.86	Apr. 15, 1943	23.38		
July 21	36.50	Apr. 30	23.75	Sept. 11	88.97		
Aug. 30	25.07	May 28	24.89	Dec. 18	93.99		
Sept. 29	66.33	June 25	23.29	May 1, 1944	23.31		
Nov. 5	109.92	July 29	23.61	Aug. 25	62.49		
Dec. 12	98.50	Aug. 29	54.50	Dec. 19	22.79		
Jan. 26, 1939	70.60	Sept. 23	68.59	May 24, 1945	23.67		
Mar. 1	78.88	Oct. 28	87.50	Mar. 21, 1946	21.96		
Mar. 29	64.80	Dec. 6	22.86	Apr. 11, 1950	72.66		
Apr. 28	104.16	Jan. 30, 1941	22.93	Measurements discontinued			
Well D-66							
Owner: Mrs. Rena Dobie.							
Nov. 19, 1937	65.94	Jan. 24, 1940	58.75	Dec. 18, 1943	66.24		
Dec. 10	65.45	Feb. 28	41.94	May 1, 1944	42.13		
Jan. 20, 1938	2.71	Mar. 27	55.54	Aug. 25	64.01		
Mar. 1	6.98	Apr. 30	38.18	Dec. 19	7.66		
Mar. 31	24.62	May 28	57.30	May 24, 1945	61.11		
Apr. 23	3.69	June 25	9.23	Mar. 21, 1946	5.49		
May 20	4.71	July 29	45.08	Aug. 5, 1948	74.14		
June 23	41.56	Aug. 29	58.52	Feb. 8, 1949	80.63		
July 21	54.06	Sept. 23	58.99	Apr. 18	6.34		
Aug. 30	53.95	Oct. 28	61.51	Aug. 23	82.55		
Sept. 29	56.84	Dec. 6	7.61	Nov. 30	72.73		
Nov. 5	59.25	Jan. 30, 1941	7.69	Apr. 11, 1950	73.60		
Dec. 12	57.62	Mar. 27	4.73	Aug. 2	79.2		
Jan. 26, 1939	58.90	May 29	7.27	Dec. 6	74.75		
Mar. 1	59.10	Aug. 7	60.08	Apr. 5, 1951	103.9		
Mar. 29	57.86	Nov. 19	64.05	Aug. 7	115.33		
Apr. 22	64.10	Apr. 2, 1942	68.47	Dec. 5	115.69		
May 24	58.67	Aug. 3	70.07	Aug. 8, 1952	117.99		
July 1	59.59	Dec. 7	14.54	Apr. 14, 1953	108.70		
Oct. 4	60.58	Apr. 15, 1943	6.72	Aug. 17	112.30		
Dec. 20	60.21	Sept. 11	35.97	Dec. 3	5.73		

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-17					
<i>Owner: M. O. Rogers.</i>					
Nov. 4. 1937	63.24	Aug. 8, 1941	51.86	Aug. 24, 1949	54.55
Jan. 6. 1940	52.09	Nov. 18	54.00	Nov. 30	56.12
Feb. 26	51.59	Apr. 10, 1942	52.33	Apr. 12, 1950	56.90
Mar. 25	52.44	Dec. 4	48.18	Aug. 3	55.40
Apr. 29	51.25	Mar. 30, 1943	51.42	Dec. 6	54.83
May 24	50.67	Sept. 9	51.99	Jan. 3, 1951	57.21
June 24	50.32	Apr. 28, 1944	34.46	Aug. 8	56.31
Aug. 26	56.50	Aug. 23	53.02	Dec. 5	55.04
Sept. 27	53.21	Dec. 21	50.56	Mar. 31, 1952	53.62
Oct. 30	53.42	May 22, 1945	50.6	Aug. 8	58.22
Jan. 30, 1941	18.5	Mar. 22, 1946	29.5	Apr. 13, 1953	53.60
Mar. 28	5.26	Aug. 6, 1948	58.40	Aug. 17	57.81
May 31	8.65	Feb. 10, 1949	53.03		
Well E-24					
<i>Owner: J. L. Dodgen.</i>					
Dec. 2, 1937	272.94	Apr. 28, 1944	257.55	Aug. 6, 1948	268.47
Mar. 5, 1943	264.67	Aug. 23	259.93	Feb. 10, 1949	273.20
Sept. 9	265.98	Dec. 21	262.43	Jan. 9, 1951	276.63
Dec. 21	268.70	May 22, 1945	246.36		
Well E-31					
<i>Owner: Henry Armbruster.</i>					
Dec. 1, 1937	154.86	Aug. 26, 1940	160.01	Apr. 1, 1943	140.52
Jan. 9, 1940	166.26	Jan. 30, 1941	152.51	Dec. 17	155.99
Feb. 27	166.11	Mar. 28	144.08	Aug. 23, 1944	155.69
Mar. 25	166.98	Aug. 8	117.71	May 22, 1945	114.14
Apr. 27	165.22	Nov. 18	130.71	Mar. 23, 1946	121.55
May 28	166.42	Apr. 10, 1942	150.98	June 21, 1947	104.67
June 24	162.99	Aug. 8	151.33	Nov. 19	112.83
July 29	156.85	Dec. 4	101.15	Apr. 2, 1948	153.65

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-36					
Owner: J. J. Horton.					
Sept. 16. 1937	125.60	Mar. 25. 1940	142.87	Dec. 21. 1944	105.91
Dec. 16	127.62	Apr. 29	138.00	May 22. 1945	87.62
Jan. 19. 1938	116.10	May 24	139.55	Mar. 23. 1946	92.35
Feb. 28	102.79	June 24	129.57	June 20. 1947	100.88
Mar. 30	103.48	July 26	125.17	Nov. 18	120.11
Apr. 20	99.01	Aug. 26	133.69	May 1. 1948	129.65
May 17	95.83	Sept. 27	137.04	Aug. 6	135.46
June 22	100.00	Oct. 29	139.48	Feb. 10. 1949	138.11
July 20	108.25	Dec. 5	123.53	Apr. 22	122.29
Aug. 26	112.55	Jan. 30, 1941	110.26	Aug. 23	130.78
Sept. 26	120.92	Mar. 28	99.91	Apr. 12. 1950	129.71
Nov. 2	125.27	May 22	88.54	Aug. 3	129.67
Dec. 13	129.49	Aug. 8	88.05	Dec. 6	135.79
Jan. 24, 1939	130.95	Nov. 18	107.36	Jan. 2, 1951	136.60
Feb. 28	132.72	Apr. 10. 1942	123.53	Apr. 4	137.46
Mar. 28	136.51	Aug. 8	129.07	Aug. 8	139.78
Apr. 27	137.15	Dec. 4	102.25	Dec. 5	139.00
May 24	136.91	Apr. 1. 1943	111.51	Mar. 27. 1952	142.93
July 3	137.08	Apr. 13	110.15	Aug. 8	138.25
Oct. 3	141.37	Sept. 9	122.91	Sept. 6	138.74
Dec. 18	140.80	Dec. 17	131.61	Apr. 13. 1953	122.19
Jan. 23, 1940	141.26	Apr. 28. 1944	93.63	Aug. 17	135.64
Feb. 26	142.11	Aug. 23	103.00	Dec. 2	106.59
Well E-45					
Owner: John Butler.					
Sept. 15, 1937	166.03	Apr. 27, 1939	171.00	Apr. 9, 1942	145.32
Jan. 20. 1938	157.66	May 25	162.96	Dec. 4	143.93
Feb. 28	153.28	July 3	150.12	Mar. 15. 1943	151.77
Mar. 30	148.25	Jan. 29. 1940	167.89	Apr. 29. 1944	147.15
Apr. 20	152.36	Mar. 25	166.24	Dec. 18	145.42
May 17	135.97	Aug. 29	163.16	Mar. 22. 1946	87.93
Aug. 26	140.28	Oct. 30	165.12	June 20. 1947	90.90
Nov. 2	179.48	Jan. 29. 1941	155.17	Nov. 19	95.08
Jan. 24, 1939	189.34	Mar. 31	132.80	May 1. 1948	157.55
Feb. 28	184.33	Nov. 18	143.82		

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well E-48					
Owner: Mrs. Laura B. Negley.					
Feb. 10. 1949	242.25	Dec. 6. 1950	239.66	Aug. 8. 1952	233.30
Apr. 20	234.22	Jan. 2. 1951	240.31	Sept. 6	238.33
Aug. 24	233.87	Apr. 4	243.47	Apr. 13. 1953	226.69
Nov. 10	236.35	Aug. 8	237.23	Aug. 17	232.11
Apr. 11. 1950	236.45	Dec. 5	243.30	Dec. 3	229.27
Aug. 3	230.20	Feb. 26. 1952	246.34		
Well E-58					
Owner: F. W. Zimmerman.					
Nov. 16. 1937	97.09	Aug. 8. 1941	87.81	Aug. 23, 1949	94.62
Jan. 9. 1940	98.64	Nov. 18	89.01	Nov. 30	95.02
Feb. 26	97.88	Apr. 10. 1942	91.38	Apr. 12, 1950	95.10
Mar. 25	101.39	Aug. 8	91.63	Aug. 3	94.46
Apr. 29	97.03	Dec. 4	90.78	Dec. 8	95.02
May 24	96.97	Mar. 29. 1943	91.40	Apr. 4, 1951	97.69
June 24	96.72	Dec. 21	92.62	Aug. 8	95.00
July 26	96.14	Mar. 28. 1944	90.01	Dec. 5	94.78
Aug. 26	96.08	Aug. 23	91.79	Mar. 31. 1952	96.10
Sept. 27	96.21	Dec. 21	92.12	Aug. 8	94.02
Oct. 30	95.98	May 22. 1945	90.82	Apr. 13, 1953	91.62
Dec. 5	94.92	Mar. 22. 1946	92.78	Aug. 17	91.61
Jan. 30. 1941	94.05	Aug. 6. 1948	94.29	Dec. 3	89.83
Mar. 28	82.52	Feb. 10. 1949	95.48		
May 31	84.26	Apr. 20	93.36		
Well E-59					
Owner: Joe Stuart.					
Nov. 4. 1937	193.6	Dec. 12. 1950	207.6	Mar. 31. 1952	207.0
Mar. 30. 1943	196.8	Jan. 3. 1951	203.6	Sept. 5	206.5
Well E-65					
Owner: Paul J. Grelle.					
Mar. 4. 1943	222.4	Jan. 3. 1951	234.5	Sept. 5, 1952	232.6
Dec. 8. 1950	233.7	Mar. 27. 1952	243.2		

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well F-3					
Owner: Thomas Yoe.					
Sept. 16. 1937	25.55	Jan. 5. 1944	26.10	May 30. 1948	26.08
Jan. 19. 1938	25.40	Feb. 3	25.98	June 27	26.23
Feb. 28	23.66	Feb. 27	25.93	July 29	26.18
Mar. 30	24.46	Apr. 1	25.14	Aug. 29	26.24
Apr. 20	24.18	Apr. 30	24.81	Sept. 26	26.30
May 17	22.32	May 29	24.53	Oct. 26	26.39
June 22	23.47	July 2	23.03	Nov. 25	26.37
Aug. 26	24.00	July 30	23.96	Dec. 24	26.46
Nov. 2	25.73	Aug. 27	24.58	Jan. 31. 1949	26.44
Dec. 13	25.78	Oct. 1	25.19	Feb. 27	26.00
Jan. 24. 1939	25.82	Oct. 30	25.56	Mar. 27	25.92
Feb. 28	26.90	Dec. 1	25.55	Apr. 23	26.10
Mar. 28	25.98	Jan. 1. 1945	25.26	May 21	25.76
Apr. 27	26.20	Feb. 4	24.67	June 26	25.82
May 24	26.13	Mar. 30	24.42	July 24	25.90
July 3	27.17	May 2	24.06	Aug. 28	25.96
Dec. 18	29.60	May 28	24.41	Sept. 23	26.09
Jan. 23. 1940	26.95	July 28	25.24	Oct. 25	26.10
Feb. 26	26.46	Sept. 3	25.55	Nov. 25	26.22
Mar. 25	27.08	Sept. 30	25.69	Dec. 22	25.27
Apr. 29	26.49	Nov. 4	25.74	Jan. 27. 1950	26.83
May 24	26.51	Dec. 5	25.74	Feb. 24	26.32
June 24	26.45	Jan. 4. 1946	25.88	Mar. 28	26.31
July 26	25.74	Feb. 7	25.78	Apr. 27	26.73
Aug. 26	26.00	Mar. 5	25.68	May 31	26.25
Sept. 27	26.16	Apr. 4	25.49	June 26	25.68
Oct. 30	26.28	Apr. 28	25.08	July 26	27.03
Nov. 30	26.08	July 2	24.89	Aug. 23	26.77
Jan. 2. 1941	25.19	Aug. 3	25.38	Sept. 25	27.17
Jan. 30	25.52	Sept. 2	24.38	Oct. 25	26.36
Feb. 26	25.44	Oct. 2	23.98	Nov. 22	26.46
Mar. 28	24.81	Oct. 7	23.75	Dec. 19	26.55
May 22	22.97	Dec. 2	22.93	Jan. 24. 1951	26.60
Aug. 8	23.78	Jan. 12. 1947	23.52	Feb. 28	26.68
Nov. 18	25.64	Jan. 29	22.66	Mar. 29	26.68
Apr. 10. 1942	26.00	Mar. 2	23.28	Apr. 24	26.53
Aug. 8	26.17	Mar. 30	23.94	May 22	26.45
Dec. 4	25.40	Apr. 27	24.51	June 28	25.88
Feb. 4. 1943	25.71	June 1	25.02	July 23	26.03
Feb. 25	25.85	June 29	25.33	Aug. 23	26.18
Mar. 29	25.90	July 27	25.35	Sept. 24	26.25
Apr. 29	25.98	Sept. 1	25.59	Oct. 24	26.37
May 31	25.97	Sept. 28	25.67	Dec. 26	26.58
June 30	25.95	Oct. 31	25.76	Feb. 1. 1952	26.64
July 28	25.98	Nov. 30	25.84	Feb. 26	26.62
Sept. 1	26.05	Dec. 30	25.87	Mar. 24	26.65
Oct. 4	25.09	Feb. 29. 1948	25.99	Apr. 24	26.53
Oct. 30	25.16	Mar. 28	26.06		
Nov. 28	26.20	Apr. 25	26.14		

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-12					
Owner: Mrs. N. E. Hughes.					
July 21, 1938	2.21	July 29, 1940	28.44	May 24, 1945	26.68
Aug. 30	6.30	Aug. 29	28.63	Mar. 21, 1946	25.65
Sept. 29	6.71	Sept. 23	28.51	Aug. 5, 1948	29.63
Nov. 5	8.49	Oct. 28	28.56	Feb. 8, 1949	29.35
Dec. 12	9.90	Dec. 6	28.62	Apr. 18	28.57
Jan. 25, 1939	10.97	Jan. 30, 1941	28.05	Aug. 23	30.41
Mar. 29	13.45	Mar. 24	27.59	Nov. 30	30.42
Apr. 23	9.80	May 23	26.87	Apr. 11, 1950	30.88
Apr. 28	9.20	Aug. 7	27.72	Aug. 2	32.40
May 24	8.08	Nov. 19	28.48	Dec. 6	31.98
July 1	7.81	Apr. 2, 1942	28.78	Apr. 4, 1951	32.23
Oct. 4	7.59	Aug. 3	28.66	Aug. 7	34.65
Dec. 20	16.73	Dec. 7	28.09	Dec. 5	32.29
Jan. 24, 1940	19.05	Apr. 15, 1943	27.96	Apr. 17, 1952	32.61
Feb. 28	21.81	Sept. 11	27.53	Aug. 8	34.37
Mar. 27	24.30	Dec. 18	27.53	Apr. 14, 1953	32.07
Apr. 30	27.00	May 1, 1944	26.41	Aug. 18	36.26
May 28	27.64	Aug. 25	26.52	Dec. 3	32.16
June 25	28.14	Dec. 19	27.08		
Well G-13					
Owner: Curtis Morris.					
Apr. 28, 1938	+17.2	Mar. 27, 1941	15.01	Dec. 19, 1944	14.48
Feb. 28, 1940	9.24	May 23	14.28	May 24, 1945	14.09
Mar. 27	11.72	Aug. 7	15.11	Mar. 21, 1946	13.04
Apr. 30	14.36	Nov. 19	15.87	Aug. 5, 1948	16.98
May 28	15.04	Apr. 2, 1942	16.17	Feb. 8, 1949	16.74
June 25	15.54	Aug. 3	16.04	Apr. 18	15.91
July 29	15.85	Dec. 7	15.48	Aug. 23	17.83
Aug. 29	16.04	Apr. 15, 1943	14.35	Nov. 30	17.87
Sept. 23	15.90	Sept. 11	15.43	Apr. 11, 1950	18.27
Oct. 28	15.97	Dec. 18	14.94	Aug. 2	20.68
Dec. 6	16.01	May 1, 1944	13.74	Dec. 6	20.74
Jan. 30, 1941	15.46	Aug. 25	13.93	Apr. 4, 1951	20.4

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-20					
Owner: W. A. Leath.					
Oct. 14. 1937	43.20	Jan. 24. 1940	43.83	Aug. 25. 1944	44.70
Dec. 13	40.53	Mar. 27	43.41	Dec. 19	40.20
Jan. 26. 1938	38.03	Apr. 30	43.23	Mar. 21. 1946	41.27
Mar. 1	37.60	May 28	43.81	Aug. 5. 1948	53.46
Mar. 31	38.02	June 25	42.55	Apr. 18. 1949	44.95
Apr. 23	38.32	July 29	42.55	Aug. 23	50.00
May 19	33.18	Sept. 23	44.19	Nov. 30	44.90
June 23	41.46	Oct. 28	42.07	Apr. 11. 1950	51.56
July 20	45.80	Dec. 6	41.20	Aug. 2	61.08
Aug. 3	50.32	Jan. 30, 1941	38.71	Dec. 6	50.81
Sept. 29	44.88	May 23	26.25	Apr. 5. 1951	48.14
Dec. 12	42.53	Aug. 7	32.69	Aug. 7	62.00
Jan. 25, 1939	43.13	Nov. 19	37.74	Dec. 5	50.35
Mar. 1	43.45	Apr. 2, 1942	44.44	Aug. 8. 1952	51.93
Mar. 29	44.63	Dec. 7	34.82	Apr. 13. 1953	49.63
May 26	49.41	Dec. 18, 1943	38.70	Aug. 18	52.31
Dec. 20	45.36	May 1, 1944	36.08	Dec. 3	43.04

Well G-35

Oct. 14. 1937	61.92	Oct. 4. 1939	65.90	Mar. 27. 1941	55.51
Dec. 13	61.72	Dec. 20	64.67	May 23	55.66
Jan. 25. 1938	62.56	Jan. 24. 1940	63.58	Aug. 7	63.29
Mar. 1	60.98	Feb. 28	63.88	Nov. 19	58.83
Mar. 30	60.57	Mar. 27	64.25	Apr. 2. 1942	60.18
Apr. 23	60.19	Apr. 30	64.53	Aug. 3	58.14
May 19	58.51	May 28	66.51	Dec. 7	55.61
June 23	61.21	June 25	65.07	Apr. 15. 1943	57.19
Aug. 30	61.19	July 29	60.13	Sept. 11	57.62
Sept. 29	64.92	Aug. 29	64.80	May 1. 1944	54.68
Dec. 12	60.97	Sept. 23	63.11	Aug. 25	57.82
Jan. 25, 1939	63.70	Oct. 28	62.76	Dec. 19	55.50
Mar. 1	68.37	Dec. 6	59.89	May 24, 1945	57.19
Apr. 23	67.59	Jan. 30, 1941	57.55	Mar. 21, 1946	54.99

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well G-38					
Owner: Fred Boyett.					
Oct. 15. 1937	47.50	Apr. 30, 1940	48.86	Dec. 19. 1944	9.32
Dec. 13	49.75	May 28	51.50	May 24. 1945	8.13
Jan. 26. 1938	5.14	June 25	35.62	Mar. 21. 1946	7.39
Mar. 2	8.11	July 29	47.78	Aug. 5. 1948	50.22
Mar. 30	7.98	Aug. 29	51.16	Feb. 8. 1949	40.91
Apr. 23	6.14	Sept. 23	52.42	Apr. 19	8.98
May 19	7.59	Oct. 28	53.44	Aug. 23	46.46
June 23	9.62	Dec. 6	40.80	Nov. 30	48.51
July 20	40.31	Jan. 30, 1941	9.19	Apr. 11, 1950	43.24
Aug. 30	44.19	Mar. 27	4.68	Aug. 2	47.68
Sept. 29	45.46	May 23	7.58	Dec. 6	50.52
Dec. 12	47.73	Aug. 7	9.66	Apr. 4. 1951	46.98
Jan. 25. 1939	49.49	Nov. 29	43.06	Aug. 7	53.74
Mar. 1	49.46	Apr. 2. 1942	37.39	Dec. 5	54.54
Apr. 23	50.19	Aug. 3	42.98	Apr. 18. 1952	44.96
May 26	52.06	Dec. 7	8.86	Aug. 9	51.97
Oct. 4	53.18	Apr. 15. 1943	8.81	Apr. 13. 1953	10.47
Dec. 12	53.68	Sept. 11	44.54	Aug. 17	50.86
Jan. 24. 1940	54.39	Dec. 18	44.14	Dec. 3	10.48
Feb. 28	54.59	May 1, 1944	9.21		
Mar. 27	53.06	Aug. 25	43.01		
Well G-39					
Owner: Fred Boyett.					
Oct. 15. 1937	81.55	Apr. 30, 1940	69.90	Mar. 21. 1946	55.32
Dec. 13	65.15	May 28	67.55	Aug. 5. 1948	74.61
Jan. 26. 1938	54.89	June 25	63.78	Feb. 8. 1949	75.43
Mar. 2	55.54	Aug. 29	70.77	Apr. 19	64.97
Mar. 30	64.99	Sept. 23	67.89	Aug. 23	64.05
Apr. 23	61.22	Oct. 12	69.61	Nov. 30	69.58
May 19	52.86	Dec. 6	64.60	Apr. 11, 1950	62.87
June 23	55.90	Jan. 30, 1941	58.72	Aug. 2	69.01
Aug. 30	67.28	Mar. 27	53.53	Dec. 6	66.46
Sept. 29	66.24	Aug. 7	56.13	Apr. 4. 1951	69.29
Dec. 12	64.10	Nov. 19	60.80	Aug. 9	68.70
Jan. 25. 1939	64.76	Apr. 2. 1942	62.81	Dec. 5	68.40
Mar. 1	65.62	Dec. 7	55.24	Apr. 18. 1952	74.10
Apr. 23	66.60	Apr. 15. 1943	57.42	Aug. 9	79.29
May 26	66.56	Sept. 11	63.31	Apr. 13. 1953	61.06
Oct. 4	67.86	May 1, 1944	55.20	Aug. 17	73.70
Dec. 20	68.32	Aug. 25	60.83	Dec. 3	65.44
Jan. 24. 1940	68.68	Dec. 19	58.76		
Mar. 27	68.36	May 24. 1945	57.61		

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-9					
Owner: A. A. Hale.					
Sept. 15. 1937	128.0	Nov. 13. 1950	129.9	Feb. 26. 1952	130.7
Apr. 8	127.7	Jan. 3. 1951	130.1	Sept. 5	132.1
Well H-11					
Owner: C. C. Houston.					
Apr. 8. 1943	140.7	Jan. 3, 1951	144.3	Sept. 5. 1952	140.1
Nov. 13. 1950	143.4	Mar. 26. 1952	146.4		
Well H-15					
Owner: Mrs. O. G. Parke, Sr.					
Aug. 1, 1945	181.3	Jan. 5, 1951	195.7	Sept. 5, 1952	205.9
Nov. 13. 1950	196.8	Mar. 26. 1952	201.8		
Well H-20					
Owner: State Highway Department.					
July 3, 1939	128.27	May 22, 1941	121.29	Apr. 20. 1949	147.97
Jan. 11. 1940	137.65	Aug. 8	121.83	Aug. 24	169.15
Jan. 23	137.84	Apr. 10, 1942	131.51	Nov. 8	157.45
Feb. 26	143.19	Aug. 8	137.69	Apr. 12. 1950	131.57
Mar. 25	143.59	Dec. 4	128.88	Aug. 3	130.62
Apr. 27	140.91	Mar. 15, 1943	131.62	Dec. 6	131.45
May 24	140.33	Sept. 9	136.44	Jan. 3. 1951	131.30
June 27	151.43	Dec. 17	136.14	Apr. 3	132.31
July 1	142.05	Apr. 29. 1944	133.39	Aug. 8	133.67
July 26	148.65	Aug. 23	129.52	Dec. 5	132.17
July 29	142.84	Dec. 21	130.55	Mar. 26. 1952	134.32
Aug. 26	150.62	May 22, 1945	125.97	Aug. 8	132.13
Aug. 27	141.80	Apr. 1. 1946	127.16	Sept. 5	136.04
Sept. 27	143.55	June 21. 1947	141.88	Apr. 13. 1953	124.43
Oct. 30	139.77	Nov. 19	135.00	Aug. 17	132.45
Dec. 5	145.99	May 1, 1948	159.97	Dec. 2	121.39
Jan. 29. 1941	130.38	Aug. 5	162.82		
Mar. 28	127.95	Feb. 10, 1949	149.23		

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-23					
Owner: Nicholas Thiele.					
Sept. 15. 1937	134.59	Apr. 27. 1940	148.37	Mar. 22, 1946	137.73
Dec. 14	136.42	May 24	149.31	June 20. 1947	140.67
Jan. 20. 1938	136.39	June 27	149.33	Nov. 19	140.95
Feb. 28	132.20	July 26	147.93	May 1, 1948	158.58
Mar. 30	131.02	Aug. 26	148.17	Aug. 5	157.50
Apr. 20	130.82	Sept. 27	148.70	Apr. 20, 1949	150.40
May 18	128.36	Oct. 30	147.77	Aug. 24	155.69
June 22	127.43	Dec. 5	145.83	Nov. 10	156.19
July 20	128.58	Jan. 29, 1941	139.37	Apr. 12, 1950	142.76
Aug. 26	129.79	Mar. 28	135.81	Aug. 3	142.3
Sept. 26	131.20	May 22	130.28	Dec. 6	142.21
Nov. 2	133.14	Aug. 8	130.41	Jan. 3, 1951	142.74
Dec. 13	136.50	Nov. 18	132.99	Apr. 4	143.52
Jan. 24, 1939	137.36	Apr. 10, 1942	141.21	Aug. 8	148.56
Feb. 28	141.74	Aug. 8	144.26	Dec. 5	144.46
Mar. 28	138.65	Dec. 4	137.25	Mar. 26, 1952	145.42
Apr. 25	138.75	Mar. 15, 1943	139.78	Aug. 8	145.00
May 24	139.45	Sept. 9	143.27	Sept. 6	148.94
Oct. 3	148.40	Dec. 17	143.41	Apr. 13, 1953	136.30
Dec. 18	148.24	Apr. 29, 1944	138.68	Aug. 17	144.77
Jan. 23, 1940	147.43	Aug. 23	137.58	Dec. 2	133.47
Feb. 26	147.68	Dec. 21	138.33		
Mar. 25	149.26	May 22, 1945	136.18		
Well H-25					
Owner: Ed Cullen.					
Feb. 28. 1939	106.4	Jan. 9, 1951	110.6	Sept. 5, 1952	110.8
Apr. 1. 1943	105.5	Mar. 26, 1952	111.7		
Well H-43					
Owner: E. N. Cason.					
Sept. 15. 1937	96.20	Aug. 26, 1938	95.78	July 3, 1939	97.81
Dec. 16	97.01	Sept. 28	96.10	Oct. 3	98.40
Jan. 20. 1938	96.25	Nov. 2	96.43	Dec. 18	97.55
Feb. 28	95.00	Dec. 12	95.72	Jan. 23, 1940	97.34
Mar. 30	95.57	Jan. 24, 1939	96.99	Feb. 26	97.21
Apr. 20	94.46	Feb. 28	97.11	Mar. 25	97.10
May 18	93.31	Mar. 28	97.03	Apr. 27	97.10
June 22	94.49	Apr. 22	97.54	May 24	97.60
July 20	95.29	May 24	97.25	June 27	97.37

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Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-43--Continued					
July 26, 1940	98.86	Dec. 21, 1943	96.53	Apr. 12, 1950	96.41
Aug. 26	97.80	Apr. 29, 1944	93.26	Aug. 3	96.15
Sept. 27	97.97	Aug. 23	94.09	Dec. 6	96.53
Oct. 29	97.83	Dec. 18	94.84	Jan. 4, 1951	96.68
Jan. 29, 1941	95.08	May 22, 1945	92.99	Apr. 4	98.49
May 22	91.03	Mar. 22, 1946	94.36	Aug. 8	96.49
Aug. 8	92.80	June 21, 1947	94.80	Dec. 5	98.15
Nov. 18	94.81	Nov. 19	96.37	Mar. 26, 1952	99.09
Apr. 9, 1942	95.93	May 1, 1948	97.08	Aug. 8	98.76
Aug. 8	95.91	Aug. 6	97.30	Sept. 5	96.63
Dec. 4	93.76	Feb. 8, 1949	97.38	Apr. 13, 1953	95.49
Mar. 15, 1943	95.53	Apr. 20	95.70	Aug. 17	95.87
Sept. 9	96.03	Aug. 23	96.02	Dec. 2	93.79
Well H-47					
Owner: Joe Freeman.					
Oct. 5, 1937	131.9	Dec. 14, 1950	135.5	Apr. 21, 1952	137.1
Apr. 5, 1943	129.0	Jan. 4, 1951	134.1		
Well H-60					
Owner: H. W. Hageman.					
Sept. 14, 1937	42.58	Mar. 25, 1940	33.75	May 22, 1945	30.02
Dec. 16	33.72	Apr. 27	33.69	Mar. 22, 1946	31.51
Jan. 20, 1938	33.40	May 24	34.24	June 21, 1947	31.60
Feb. 28	32.38	June 27	33.93	Nov. 19	32.99
Mar. 30	32.44	July 26	35.94	May 1, 1948	33.38
Apr. 20	32.23	Aug. 26	36.24	Aug. 5	33.85
May 18	33.93	Sept. 27	34.52	Feb. 8, 1949	34.07
June 22	31.46	Oct. 29	34.40	Apr. 20	32.57
July 20	31.98	Dec. 5	33.04	Aug. 23	32.68
Aug. 26	32.02	Jan. 29, 1941	32.05	Nov. 8	32.75
Sept. 28	32.71	Mar. 28	30.20	Apr. 12, 1950	33.95
Nov. 2	33.00	May 22	29.04	Aug. 2	32.63
Dec. 13	33.30	Aug. 8	29.65	Dec. 6	33.10
Jan. 24, 1939	33.68	Nov. 18	31.47	Jan. 4, 1951	33.20
Feb. 28	33.74	Apr. 9, 1942	32.51	Apr. 4	33.15
Mar. 28	33.68	Aug. 8	34.53	Aug. 8	33.78
Apr. 25	34.08	Dec. 4	30.57	Dec. 5	33.14
May 24	34.54	Apr. 6, 1943	32.34	Mar. 26, 1952	33.38
July 3	34.36	Sept. 9	32.69	Aug. 8	32.95
Oct. 3	34.95	Dec. 21	33.08	Sept. 5	33.50
Dec. 18	34.11	Apr. 29, 1944	31.17	Apr. 13, 1953	32.26
Jan. 23, 1940	33.99	Aug. 23	30.83		
Feb. 26	36.11	Dec. 18	31.64		

Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-73					
Owner: Tex Hughson.					
Oct. 5, 1937	259.6	Oct. 29, 1940	254.7	Apr. 9, 1942	252.7
Jan. 23, 1940	254.3	Jan. 29, 1941	252.2	Dec. 4	249.9
Apr. 29	254.0	May 22	247.8	Mar. 15, 1943	251.9
July 26	254.2	Aug. 8	249.3		
Well H-75					
Owner: E. Brooks.					
Oct. 5, 1937	163.79	Aug. 8, 1941	159.35	Feb. 8, 1949	164.48
Jan. 9, 1940	165.19	Apr. 9, 1942	162.82	Apr. 18	163.15
Feb. 26	164.50	Aug. 7	163.29	Aug. 25	163.04
Mar. 25	164.46	Dec. 4	160.15	Apr. 11, 1950	163.39
Apr. 27	164.40	Apr. 6, 1943	162.67	Aug. 2	166.22
May 24	164.87	Sept. 9	162.77	Dec. 6	166.62
July 1	164.16	Dec. 21	166.15	Jan. 4, 1951	163.99
July 26	164.63	Apr. 29, 1944	159.91	Apr. 4	169.09
Aug. 27	165.01	Aug. 23	160.87	Aug. 8	162.55
Sept. 27	165.19	Dec. 18	161.72	Dec. 5	168.62
Oct. 29	165.04	May 22, 1945	159.38	Sept. 5, 1952	164.07
Dec. 5	163.59	Mar. 21, 1946	162.78	Apr. 13, 1953	162.82
Jan. 24, 1941	162.43	June 23, 1947	159.80	Aug. 17	166.65
Mar. 28	160.45	May 2, 1948	163.95	Dec. 3	161.12
May 22	158.04	Aug. 5	164.13		
Well H-94					
Owner: W. P. Donaldson.					
Sept. 27, 1937	74.94	Jan. 23, 1940	76.58	Dec. 4, 1942	7.93
Dec. 14	3.85	Feb. 27	76.29	Mar. 12, 1943	71.87
Jan. 20, 1938	85.02	Apr. 27	73.30	Sept. 9	16.21
Feb. 3	6.97	May 24	75.84	Dec. 21	74.17
Mar. 30	28.34	July 1	5.35	Apr. 29, 1944	60.54
Apr. 20	6.25	July 26	75.83	Aug. 23	70.80
May 18	7.02	Aug. 27	76.23	Dec. 18	7.52
June 22	19.38	Jan. 24, 1941	7.10	May 22, 1945	65.49
July 20	72.18	Mar. 28	4.41	Mar. 20, 1946	6.85
Aug. 26	72.82	May 22	10.87	June 23, 1947	41.86
Sept. 28	73.27	Aug. 8	62.00	Nov. 19	43.64
Dec. 13	74.60	Nov. 18	35.97	May 2, 1948	74.24
May 26, 1939	77.70	Apr. 9, 1942	6.72	Aug. 5	74.15
Dec. 18	77.15	Aug. 7	25.83	Feb. 10, 1949	10.98

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Water levels in wells in Hays County--Continued

Date	Water level	Date	Water level	Date	Water level
Well H-94--Continued					
Apr. 18, 1949	11.70	Dec. 6. 1950	74.62	Aug. 8. 1952	73.90
Aug. 25	73.53	Jan. 4. 1951	74.70	Sept. 5	74.70
Nov. 8	9.04	Aug. 8	74.21	Apr. 13. 1953	72.94
Apr. 11. 1950	67.39	Dec. 5	72.68	Aug. 17	75.02
Aug. 1	72.78	Mar. 25. 1952	74.81	Dec. 2	2.80
Well H-95					
Owner: G. M. Jackson.					
Sept.29, 1937	120.19	Mar. 25, 1940	121.39	May 22, 1945	115.81
Dec. 14	121.66	Apr. 27	121.24	Mar. 20, 1946	118.98
Feb. 2, 1938	118.04	May 24	121.58	June 23. 1947	117.78
Mar. 30	119.08	June 27	121.35	Nov. 19	119.85
Apr. 20	119.32	July 26	121.27	May 2. 1948	120.47
May. 18	116.68	Aug. 27	121.72	Aug. 5	120.72
June 22	117.34	Sept.27	122.04	Feb. 10. 1949	121.41
July 20	118.24	Oct. 29	121.96	Apr. 18	120.35
Aug. 26	118.82	Dec. 5	120.41	Aug. 25	119.70
Sept.28	120.32	Jan. 24. 1941	119.12	Nov. 7	119.61
Nov. 2	119.73	Mar. 28	117.31	Apr. 11. 1950	120.20
Dec. 13	120.05	Aug. 8	115.00	Aug. 1	119.94
Jan. 24. 1939	120.65	Nov. 18	117.26	Dec. 6	120.74
Feb. 28	120.64	Apr. 9, 1942	119.40	Jan. 4. 1951	120.76
Mar. 28	120.69	Aug. 7	119.28	Apr. 4	121.42
Apr. 22	121.27	Dec. 4	115.67	Aug. 8	120.55
May 26	121.33	Mar. 12. 1943	118.09	Dec. 5	120.83
July 3	121.69	Sept.10	119.00	Mar. 25, 1952	121.17
Oct. 5	122.20	Dec. 21	119.84	Aug. 8	121.47
Dec. 18	121.41	Apr. 29, 1944	115.74	Sept. 5	121.37
Jan. 23, 1940	121.43	Aug. 23	116.53	Apr. 13, 1953	119.83
Feb. 27	121.24	Dec. 18	118.37		

Partial analyses of water from wells and springs in Kinney County, Texas

Well	Owner	Depth of well (ft.)	Date of collection	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and potassium (Na + K)	Bicar-bonate (HCO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluo-ride (F)	Ni-trate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃
6	C. D. Covington	360	Feb. 11, 1939	-	-	-	-	3	9.0	-	-	-	-
10	R. C. Delong	-	Feb. 25, 1939	-	-	29	364	4	10	-	29	366	278
18	Dave Rose, Sr.	45	Feb. 4, 1939	-	-	16	160	3	12	-	a	157	117
19	do.	160	Feb. 14, 1939	-	-	-	-	4	18	-	-	-	-
24	T. C. Wadsworth	100	Sept. 1, 1939	-	-	-	-	38	17	-	-	-	-
26	F. O. Edwards	200	Feb. 9, 1939	-	-	15	248	3	11	-	1.8	231	192
33	Foster Drewitt	275	Feb. 16, 1939	-	-	-	-	5	11	-	-	-	-
37	Nolan & Postell	455	June 14, 1938	78	3.1	8.6	234	5	12	0	15	237	208
39	do.	410	do.	-	-	-	-	5	11	-	3.6	-	-
40	N. P. Petersen	-	June 16, 1938	48	3.1	6.8	148	5	10	-	8.2	154	133
41	do.	475	June 15, 1938	53	5.9	10	184	6	15	.2	.0	181	157
43	Nolan & Postell	380	June 12, 1938	73	4.9	4.1	230	5	11	0	2.4	214	203
44	do.	360	June 14, 1938	76	5.4	1.9	226	7	10	.2	11	223	212
46	do.	342	June 13, 1938	94	6.9	49	220	34	104	.3	8.1	405	263
47	do.	365	do.	76	2.6	9.4	220	10	14	-	13	233	201
50	N. P. Petersen	533	June 15, 1938	60	6.0	12	218	7	10	.2	.1	203	175
51	do.	432	do.	82	3.2	16	230	10	30	.1	14	269	218
52	do.	480	do.	-	-	-	-	7	15	-	18	-	-
54	E. Webb	-	Apr. 13, 1938	78	4.1	4.0	228	6	9.0	0	18	231	212
55	do.	-	do.	92	4.4	2.6	274	7	9.0	0	11	261	248
60	do.	-	do.	140	5.2	6.6	294	13	19	.1	17	310	281
61	do.	-	do.	91	5.5	1.0	258	8	9.0	0	24	266	250
62	do.	-	do.	105	3.8	3.0	294	8	12	.1	22	299	278
63	J. D. Harwood	-	do.	86	2.2	11	254	11	13	0	11	259	224
65	S. M. Harwood	-	Apr. 14, 1938	91	2.6	9.4	244	13	19	.1	22	277	238
66	J. D. Harwood	269	do.	78	2.9	15	234	9	12	.3	24	b256	207
67	S. M. Harwood	235	do.	82	2.4	6.1	240	6	9.0	0	15	239	215
68	do.	259	do.	69	2.3	6.9	200	8	11	0	11	207	182

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Partial analyses of water from wells and springs in Kinney County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and potassium (Na + K)	Bicar-bonate (HCO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluo-ride (F)	Ni-trate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃
69	J. D. Harwood	300	Apr. 14, 1938	81	2.5	4.7	244	8	10	0	0.3	c227	213
70	W. C. Belcher	165	Feb. 15, 1939	-	-	10	183	6	10	-	6.8	186	153
71	do.	Spring	Oct. 4, 1939	85	3.6	4.2	261	6.3	9.0	-	3.6	d271	227
72	do.	115	Feb. 15, 1939	-	-	9	202	8	10	-	7.4	216	174
73	do.	-	do.	-	-	13	242	69	9	-	.2	313	252
77	Edward Mey	355	Apr. 23, 1938	-	-	-	-	12	8.0	-	11	-	-
79	J. W. Forester	210	Apr. 22, 1938	67	46	65	308	145	65	-	3.1	e543	356
80	do.	100	do.	102	14	14	368	10	21	-	.4	343	312
84	Edward Mey	Spring	Nov. 8, 1939	80	7.2	g	353	4.4	8.0	-	10	f257	230
87	Prosser & Walker	4,381	Feb. 21, 1939	-	-	-	-	7	11	-	-	-	-
88	R. A. Weathersbee	350	Apr. 20, 1938	63	22	2.2	254	26	12	-	.3	251	248
90	Mac L. Weathersbee	430	Aug. 20, 1937	-	-	-	326	40	40	-	0	-	327
91	-- Cupples	-	Jan. 27, 1948	208	32	12	236	448	12	-	.0	906	650
92	J. F. Beidler	-	do.	99	10	14	220	116	12	-	.5	412	228
93	F. W. Herbst	500	Feb. 13, 1939	-	-	110	347	463	3	-	-	942	532
95	do.	-	do.	-	-	39	430	7	39	-	.2	h431	330
97	J. F. Beidler	1,190	Jan. 27, 1948	326	53	72	273	922	3.0	-	.0	1,510	1,030
98	do.	1,200	do.	556	67	41	200	1,510	11	-	.0	2,280	1,660
99	do.	750	do.	96	29	25	259	189	3.0	-	.0	537	358
100	do.	1,600	do.	28	31	218	706	59	21	-	.0	764	198
101	do.	618	Aug. 20, 1937	-	-	-	270	60	12	-	1.3	-	291
103	do.	1,700	Jan. 28, 1948	452	181	345	368	2,160	51	-	.0	3,370	1,870
105	Gaebler Bros.	1,605	Apr. 15, 1938	676	67	g	230	1,680	10	2.3	0	2,550	1,960
106	do.	80	do.	138	9.2	1.8	406	18	21	.1	5.9	394	383
108	Chas. Fehlis	-	Apr. 6, 1938	133	9.4	11	424	16	18	.1	6.5	403	371
109	T. J. Coopwood	-	Mar. 31, 1938	134	6.6	7	410	8	20	-	4.9	382	362
111	J. F. Beidler	-	Aug. 19, 1937	--	--	--	308	25	31	-	7.0	-	261
112	do.	756	Jan. 27, 1948	64	20	44	262	98	15	-	.0	406	242

IV-2

Partial analyses of water from wells and springs in Kinney County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and potassium (Na + K)	Bicar-bonate (HCO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluo-ride (F)	Ni-trate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃
114	Henry Fromme	40	Apr. 12, 1938	116	4.7	20	388	8	17	0.1	1.4	358	309
115	Dan Farley	35	do.	87	4.6	8.7	274	8	12	.2	5.6	261	236
116	J. B. Hudson	95	do.	83	4.3	8.3	254	8	15	.3	5.4	249	225
118	Jim Bader	135	Aug. 19, 1937	--	--	--	300	10	12	--	7.3	--	249
121	Chas. Zinsmeister	160	Apr. 1, 1938	133	7.6	5	412	8	16	.1	7.4	1380	364
124	Gaebler Bros.	80	Apr. 15, 1938	273	21	62	374	64	372	0	6.9	983	769
125	J. F. Beidler	300	Apr. 6, 1938	139	10	15	418	20	39	.1	3.3	432	388
126	da.	80	Apr. 7, 1938	137	8.6	32	476	24	23	--	.0	459	378
127	Jim Bader	132	Apr. 21, 1938	118	5.9	12	382	12	13	--	1.9	351	319
128	C. J. Poehler	157	Aug. 20, 1937	--	--	--	382	20	22	--	2.9	--	339
131	Ben S. Jones	33	Apr. 12, 1938	130	5.5	6.2	400	10	14	0	3.2	366	348
132	W. C. Belcher	115	Feb. 15, 1939	--	--	30	256	6	9	--	1.0	238	165
133	G. W. Lackey	164	Apr. 12, 1938	109	5.5	4.5	344	7	10	0	1.5	1307	295
134	do.	154	do.	78	30	26	360	38	29	--	.0	378	318
136	W. E. Janson	73	Apr. 7, 1938	175	14	51	368	194	62	--	18	695	495
138	Fritz Mussman	233	Aug. 19, 1937	--	--	--	286	125	88	--	5.4	--	363
141	L. B. Langston	300	Mar. 31, 1938	101	7.3	4	300	13	16	.1	10	299	282
142	W. B. Davis	50	do.	123	9.8	4	342	15	38	.2	7.7	366	348
144	J. F. Beidler	88	Apr. 7, 1938	132	10	15	384	28	37	0	8.7	420	371
146	Fred West	60	Apr. 2, 1938	158	11	16	442	26	54	.1	12	495	440
147	U. S. Army	Spring	Oct. 3, 1939	82	6.8	2.3	260	6.4	8.0	--	8.2	1263	233
147	do.	Spring	Nov. 2, 1945	66	6.8	24	255	6.7	14	.6	4.8	m262	192
147	do.	Spring	Jan. 27, 1948	66	8.1	8.3	220	17	10	--	5.0	231	198
148	L. J. Niemeier	183	Aug. 19, 1937	--	--	--	290	500	510	--	100	--	585
150	Fanny Cox	90	Apr. 11, 1938	161	50	57	356	293	94	.6	.0	831	608
151	E. Webb	--	do.	158	13	24	280	206	37	--	5.5	581	448
152	do.	500	Jan. 27, 1948	50	6.3	12	168	21	12	--	.5	200	151
154	Novie Henderson	300	Apr. 11, 1938	84	5.3	10	270	14	12	.3	.0	259	232
155	Jim Clamp	300	do.	--	--	29	334	3	11	.3	.0	301	231
157	do.	300	Mar. 30, 1938	--	--	--	--	175	85	--	--	--	--

Partial analyses of water from wells and springs in Kinney County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and potassium (Na + K)	Bicar-bonate (HCO_3)	Sul-fate (SO_4)	Chlo-ride (Cl)	Fluo-ride (F)	Ni-trate (NO_3)	Dissolved solids	Total hardness as CaCO_3
159	W. W. Nipper	280	Apr. 8, 1938	111	63	169	400	258	212	3.0	0.6	n1,010	536
160	B. F. Orr	80	Apr. 1, 1938	152	7.0	6	450	12	25	.1	5.3	429	409
162	Fred West	80	Apr. 21, 1938	34	22	129	404	4	84	-	2.3	474	175
165	B. F. Orr	42	Aug. 19, 1937	-	-	-	368	75	134	-	83	-	357
166	E. L. Hobbs	180	Apr. 2, 1938	144	12	19	448	20	44	.2	.0	p460	409
167	H. J. Toft	133	do.	152	12	11	444	22	43	.2	4.7	464	429
168	do.	100	Apr. 4, 1938	128	16	43	428	40	60	-	2.6	500	386
170	W. W. Nipper	100	Apr. 8, 1938	125	21	15	430	41	18	.4	11	443	399
171	John Fritter	550	Jan. 27, 1948	54	12	15	180	38	20	-	3.0	253	184
172	do.	300	Mar. 30, 1938	83	12	3	262	26	12	1.7	.0	q267	257
174	N. P. Petersen	291	June 15, 1938	-	-	-	-	12	16	-	22	-	-
177	John Fritter	-	Aug. 19, 1937	-	-	-	426	17	17	-	4.2	-	381
178	H. J. Toft	112	Feb. 25, 1938	-	-	-	-	-	82	-	-	-	-
179	do.	312	Apr. 4, 1938	60	74	216	524	234	178	-	.5	1,020	453
180	do.	150	do.	126	13	62	336	76	105	-	.46	548	368
182	Geo. Crystall	514	Oct. 3, 1939	448	76	36	270	1,200	25	-	.1	1,920	1,430
182	do.	514	Jan. 27, 1948	430	79	58	174	1,290	28	-	.0	1,970	1,400
184	N. P. Petersen	350	June 16, 1938	-	-	-	-	7	18	-	3.1	--	-
187	G. A. Harrison	250	Apr. 21, 1938	86	4.3	8.3	264	10	14	-	4.7	257	233
189	do.	269	May --, 1939	-	-	-	-	183	198	-	-	-	-
190	G. C. Edwards	-	Apr. 4, 1938	144	13	96	364	49	190	-	5.1	676	413
191	do.	250	Aug. 20, 1937	-	-	-	472	33	53	-	8.8	-	423
193	R. H. Earwood	250	Aug. 18, 1937	-	-	-	466	30	37	-	6.8	-	429
198	G. A. Harrison	200	Aug. 19, 1937	-	-	-	182	175	23	-	2.8	-	327
206	Ralph Harris, Sr.	300	Apr. 11, 1938	159	.31	56	428	104	130	.3	2.9	r694	525
210	Ethel Whitaker	104	Aug. 18, 1937	-	-	-	380	15	13	-	5.7	-	342
218	O. R. Altizer	207	Apr. 5, 1938	127	65	1,070	558	66	1,690	-	.0	3,300	584
219	do.	100	Apr. 6, 1938	127	10	29	398	24	45	.2	7.6	439	358
227	Louis L. Farr	206	Apr. 5, 1938	15	4.8	238	534	26	74	1.4	2.8	619	57

IV

Partial analyses of water from wells and springs in Kinney County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and potassium (Na + K)	Bicar-bonate (HCO_3)	Sul-fate (SO_4)	Chlo-ride (Cl)	Fluo-ride (F)	Ni-trate (NO_3)	Dissolved solids	Total hardness as CaCO_3
228	Louis L. Farr	152	Apr. 5, 1938	201	38	107	452	64	315	1.0	6.9	956	658
229	do.	210	do.	108	16	84	504	24	54	.5	2.1	537	336
230	do.	160	do.	45	34	154	532	24	88	1.0	.3	608	252
233	R. W. Morrison	-	Feb. 11, 1939	--	--	48	446	48	44	--	11	525	382
235	do.	Spring	do.	--	--	30	323	14	47	--	7.5	379	291
236	I. N. Boycourt	-	Apr. 4, 1938	42	2.9	12	116	25	16	--	.2	155	117
237	R. R. Martin	1,100	Feb. 11, 1939	--	--	9,470	152	3	16,300	--	--	26,200	2,530
242	J. F. Beidler	75	Apr. 7, 1938	97	13	32	346	28	36	--	1.2	378	296
243	Tom Martin	20	Apr. 15, 1938	66	7.1	7.0	214	8	10	0	14	218	194
245	Guinn Williams	70	Feb. 10, 1939	--	--	58	372	34	46	--	7.0	442	285
246	W. W. Jameson	70	do.	--	--	97	484	58	78	--	5.6	617	360
250	J. H. Stadler	80	Apr. 16, 1938	125	8.7	19	392	16	32	.1	8.3	402	348
251	O. J. Koelher	82	do.	163	11	20	354	20	91	.1	69	548	453
252	do.	70	do.	132	7.9	11	396	28	20	.1	5.6	400	362
253	John Sheedy	50-60	Apr. 15, 1938	129	7.9	13	392	28	20	.1	4.3	395	355
256	J. H. Stadler	82	Feb. 10, 1939	--	--	44	328	34	34	--	6.8	385	262
261	do.	82	do.	--	--	58	218	41	76	--	10	375	210
266	F. W. Herbst	100	Feb. 13, 1939	--	--	84	405	59	113	--	5.2	608	375

 IV
5

- a Nitrate less than 20 parts per million.
 b Precipitated iron 4.2 parts per million.
 c Precipitated iron 2.4 parts per million.
 d Includes 22 parts per million of silica and 0.03 part per million of iron.
 e Precipitated iron 6.6 parts per million.
 f Includes 16 parts per million of silica and 0.03 part per million of iron.
 g Less than 5 parts per million.
 h Precipitated iron 30 parts per million.
 i Precipitated iron 1.9 parts per million.
 j Precipitated iron 2.6 parts per million.
 k Includes 14 parts per million of silica and 0.03 part per million of iron.
 l Includes 11 parts per million of silica and 0.08 part per million of iron.
 m Precipitated iron 5.2 parts per million.
 n Precipitated iron 3.3 parts per million.
 o Precipitated iron 2.6 parts per million.
 p Precipitated iron 1.5 parts per million.
 q Precipitated iron 6.7 parts per million.

Analyses of water from wells in Uvalde County, Tex.

(Analyses: parts per million except specific conductance, pH, and percent sodium)

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe)	Cal-cium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids as CaCO ₃	Hardness as CaCO ₃	Percent sodium	Specific conductance (Micromhos at 25°C.)	pH	
H-2-8	F. C. Briggman	300	Apr. 10, 1930	15	0.05	58	15	5.6 1.0	236	8.5	10	-	3.8	-	213	206	-	-	-	
H-3-1	G. C. Sanderlin	449	do.	14	.93	50	15	5.9 1.1	211	8.5	10	-	4.3	-	208	186	-	-	-	
H-4-3	-- Harper	"	May 18, 1930	"	.40	66	14	10	254	115	13	-	3.6	-	b247	222	-	-	-	
H-4-64	Frank Turner	842	Aug. 8, 1937	"	"	"	"	179	522	220	118	0	-	-	c455	-	-	-	-	
H-5-1	City of Uvalde No. 3	350	Nov. 2, 1945	11	.08	74	9.5	24	7.0	277	19	24	4	4.1	-	319	224	19	570	7.0
H-5-13	John Monigan	475	May 20, 1930	"	"	76	9.2	8.9	256	a18	10	-	5.2	-	b253	228	8	-	-	
H-5-26	Geo. Kennedy	200	Apr. 10, 1930	21	.25	75	8.9	6.3 1.1	262	8.4	10	-	3.0	-	249	224	6	-	-	
H-5-34	-- Houston	713	Nov. 28, 1930	"	12	256	94	402	340	933	460	-	.9	-	b2,310	1,020	-	-	-	
*H-5-39	William Galloway	135	Jan. 19, 1938	"	"	112	10	10	-	342	32	21	-	-	b353	321	-	-	-	
H-5-51	O. T. Cardwell	85	Apr. 20, 1930	28	2.2	182	29	49	3.4	435	230	56	-	8.3	-	828	574	-	-	-
H-5-52	D. H. Hancock	863	Apr. 10, 1930	13	.04	134	15	13	2.2	287	52	95	-	3.6	-	480	396	-	-	-
H-5-52	do.	863	Nov. 28, 1930	"	"	94	11	12	-	279	31	29	-	4.7	-	b319	280	-	-	-
*H-5-162	U. S. Fish & Wildlife Service	750	Nov. 19, 1937	"	"	211	18	4.4	-	177	487	32	-	-	b879	601	-	-	-	
H-5-162	do.	750	Oct. 23, 1950	14	"	146	16	19	-	262	197	37	-	0	-	588	430	9	871	7.6
*H-5-163	do.	70	Nov. 19, 1937	"	"	244	49	18	-	293	422	120	-	-	b977	810	-	-	-	
H-5-163	do.	600	Oct. 16, 1950	16	.02	-	-	7.9	-	282	18	18	.2	5.0	-	c268	6	500	7.4	
H-5-174	do.	1,150	Nov. 19, 1937	"	"	623	49	122	-	220	1,700	52	2.1	-	b2,650	1,760	-	-	-	
H-6-16	Illinois Pipe-line Co.	1,330	Apr. 10, 1930	19	.57	65	31	5.6	269	146	36	-	.13	-	508	290	-	-	-	
H-6-23	John Kucera	1,156	Apr. 14, 1953	16	"	94	20	32	-	290	97	32	-	4.0	-	479	316	18	726	7.4
H-6-27	Knippa School	968	Sept. 23, 1953	15	.10	72	27	22	-	236	114	12	3.2	0	-	424	290	14	616	7.5
H-7-2	Smythe Bros.	2,000	Nov. 26, 1930	"	"	652	197	399	344	2,240	90	-	2.0	-	b4,150	2,440	-	-	-	
I-1-3	E. B. Kincaid	1,000	May 21, 1930	"	"	64	17	22	274	a26	17	-	1.2	-	b282	230	-	-	-	
I-4-4	City of Sabinal	2,700	Apr. 10, 1930	18	.06	127	61	72	11	268	445	34	4.0	-	942	568	-	-	-	
I-4-35	do.	1,476	Nov. 2, 1945	2.8	.16	58	72	148	21	45	608	82	1.4	0	-	b1,020	440	41	1,690	7.6
I-4-37	do.	1,493	do.	14	.12	88	29	17	9.5	254	142	20	.6	3.0	-	470	338	10	722	7.1

IV-6

Anacacho Limestone									
Indio Formation									
I-4-1	L. F. Heard	130	Apr. 30, 1930	24	1.8	49	24	126	4.5

H-8-19	A. W. West	400	May 18, 1930	"	-	a15	215	a5	65	-	2.0	-	c69	-	-	-	-	-	-
H-9-8	Kincaid Estate	150	Apr. 7, 1930	18	-	113	31	81	8.6	387	110	115	-	680	410	-	-	-	-

Analyses of water from wells in Uvalde County—Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids CaCO ₃	Hardness as CaCO ₃	Percent so-dium at 25°C.	Specific conductance (Microhos at 25°C.)	pH	
Geologic source undetermined																				
G-6-4	Frank Kirchgraber	120	Aug. 19, 1937	—	—	—	—	—	8.3	40.4	27	4.0	—	8.9	—	—	c.354	—	—	
G-6-5	Texas & New Orleans RR	68	Aug. 18, 1937	—	—	—	—	—	5	30.4	24	24	—	1.0	—	—	c.365	—	—	
H-5-173	U. S. Fish & Wildlife Service	35	Oct. 23, 1950	28	0.00	148	34	21	8.0	299	235	62	0.2	5	0.34	739	510	—	—	
H-6-26	Kappa School	150	Apr. 14, 1953	23	—	94	33	23	—	300	20	47	—	2	1.08	—	508	370	m	1.080
																	808	7.5	7.5	

Leona formation and terrace gravel

H-4-28	Robert Ingraham	~	Apr. 10, 1930	1.6	> 2	89	11	7.6 1.6	299	1.7	1.2	—	1.0	—	30.5	268	—	—
H-5-3	L. Borgas	64	May 19, 1930	—	—	78	9.3	1.6	268	1.0	—	—	6.7	—	b280	233	—	—
H-5-56	H. B. Echols	33	Apr. 8, 1930	1.4	> 2	90	10	7.2 1.3	288	2.7	1.2	—	0	—	31.4	266	—	—
H-6-10	Herbert Stevens	77	May 20, 1930	—	—	90	25	25	230	a.14	1.13	—	28	—	b409	328	—	—
H-6-21	Connor	33	Apr. 7, 1930	2.2	> 0.2	99	26	6.8 1.3	406	2.2	6.0	—	5.3	—	376	354	—	—
H-8-13	W. E. Lee	41	Dec. 3, 1930	—	—	114	14	26	409	a.34	20	—	2	—	b410	342	—	—
H-8-27	Lane Taylor	42	Apr. 8, 1930	1.5	> 0.2	98	12	8.6 1.4	310	3.1	1.5	—	2.8	—	340	294	—	—

a By turbidity.

b Sum of determined constituents.

c Soap hardness.

o Analyzed by Work Projects Administration.

H-4-65	Phil Newell	245	Aug. 18, 1937	—	—	—	—	38	4.40	4.2	5.5	2.7	—	—	c.40.2	—	—	—
o H-4-66	R. P. Ingram	300	Nov. 19, 1937	—	—	85	1.8	22	31.7	3.38	2.4	—	—	—	b343	286	—	—
o H-6-8	Jones & Son	89	Mar. 22, 1938	—	—	341	63	55	—	159	a.25	760	—	7.0	b1,330	1,110	m	—

Analyses of water from wells and springs in Medina County, Tex.

(Chemical constituents in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe) in solution	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and potas-sium (Na + K)	Bicar-bonate (HCO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluo-ride (F)	Ni-trate (NO ₃)	Boron (B)	Dissolved solids	Hard-ness as CaCO ₃	Per-cent so-dium	Specific conductance (micromhos at 25°C)	pH
C-7-9	Elton Miller	Spring	Oct. 12, 1950	10	-	88	11	5.8	280	16	10	-	21	-	314	264	5	520	7.6
C-7-13	G. M. Merritt	400	Jan. 14, 1952	11	-	186	141	52	350	783	37	0.5	.5	-	1,380	1,040	10	1,790	7.3
C-7-20	C. P. Rugh	486	Oct. 10, 1950	12	-	82	86	18	472	174	20	-	1.0	-	682	558	7	1,030	7.4
C-7-29	J. Woodard	Cave	June 1, 1952	13	-	152	7.0	14	269	33	8.0	-	212	0.18	610	408	7	843	7.5
C-8-1	H. Eckhardt	200	Aug. 17, 1950	10	0.0	363	268	54	298	1,750	40	-	3.2	-	2,640	2,010	6	2,940	7.6
C-8-6	H. E. Reiber	200	Aug. 15, 1950	13	.0	538	344	54	303	2,480	30	-	1.2	-	3,610	2,760	4	3,640	7.3
C-8-12	J. Ulbrich	354	Aug. 16, 1950	13	.0	457	267	46	264	2,000	26	-	3.5	-	2,940	2,240	4	3,100	7.4
C-8-18	B. C. Jagge	400	Aug. 4, 1950	13	.0	176	58	12	244	468	10	-	4.5	-	862	678	4	1,190	7.5
C-8-23	F. D. Garrison	300	Jan. 1, 1951	10	-	560	164	12	214	1,830	12	-	0	-	2,690	2,070	1	2,820	7.1
C-8-25	B. C. Jagge	500	Aug. 4, 1950	20	-	88	14	7.5	330	6.2	14	-	2.5	-	330	277	6	558	8.2
C-8-27	R. Zuberbueler	300	Jan. 9, 1951	10	-	70	8.8	4.6	239	7.1	7.9	-	4.5	-	248	211	5	434	7.4
C-8-29	do.	500	July 28, 1950	12	2.0	75	11	4.3	260	13	9	-	3.8	-	273	232	39	454	7.7
C-8-32	Bob Depuy	Spring	Jan. 14, 1952	15	-	102	18	7.4	353	23	20	-	4.0	-	384	328	5	625	7.7
C-9-4	Joe Short	400	June 12, 1950	-	-	-	-	-	1,400	13	-	-	-	-	-	-	-	2,410	-
C-9-5	do.	Spring	Oct. 18, 1950	10	-	69	9.4	3.7	238	3.5	9	-	9.3	-	238	211	4	416	8.0
C-9-8	E. J. Leinweber	Spring	Jan. 22, 1952	12	-	57	14	4.8	221	11	11	-	3.5	16	223	200	5	429	7.7
C-9-24	J. L. Hensely	360	Jan. 10, 1951	12	-	176	107	9.0	273	625	11	-	.8	-	1,070	879	2	1,410	7.4
C-9-29	W. DeGrodt	275	Jan. 15, 1952	13	-	84	6.3	6.5	280	7.7	8.5	-	1.0	-	265	236	6	467	7.8
C-9-33	R. Mumme	585	Nov. 6, 1950	9.5	.19	540	434	61	251	2,900	27	-	4.0	-	4,100	3,130	4	4,080	6.7
C-9-38	B. DeGrodt	346	Oct. 18, 1951	14	-	83	27	10	285	88	9.5	-	5.5	-	402	318	6	622	7.5
C-9-45	A. W. Schulte	310	Jan. 15, 1952	12	-	76	5.4	3.6	222	3.0	8.5	-	28	-	262	212	4	436	8.3
*C-9-57	Joe Short	91	Dec. 4, 1951	17	.09	83	53	21	311	179	21	2.2	.4	-	550	425	10	-	8.3
*C-9-58	do.	237	Oct. 23, 1951	30	.14	248	157	42	238	1,090	18	4.2	.4	-	1,780	1,260	7	-	7.6
C-9-63	J. S. Morris	800	Mar. 27, 1952	1.6	.9	-	-	13	143	622	65	-	14	-	-	840	3	1,730	7.9
C-9-64	do.	Spring	do.	1.4	.01	-	-	27	216	430	175	-	2.0	-	-	815	6	1,600	8.0
D-7-3	I. McKay	220	Sept. 20, 1951	13	.62	476	106	53	184	1,500	18	-	0	-	2,260	1,620	7	2,490	7.8
D-7-20	J. L. Hensely	495	Jan. 10, 1951	9.5	-	540	369	17	238	2,580	16	-	0	-	3,650	2,860	1	3,690	7.0
D-7-25	R. Murray	274	Jan. 17, 1952	7.8	-	68	23	8.7	196	93	14	.1	1.5	-	324	264	7	523	7.6
D-7-37	M. Haby	450	Nov. 7, 1950	14	-	74	8.2	2.2	245	4.1	12	-	1.5	-	248	218	2	431	7.3
D-7-45	Medina Valley Irrigation District (Medina Lake)	-	Oct. 19, 1951	11	.00	58	21	8.5 3.6	168	93	13	.1	2.2	.61	350	235	7	484	8.1
D-8-8	O. W. Schuchart	671	June 18, 1952	11	-	486	347	4.4	230	2,320	23	4.0	3.0	.65	3,310	2,640	4	3,530	7.9
I-1-3	J. Woodard	1,009	June 20, 1952	12	-	329	291	122	306	1,860	59	5.2	.0	1.3	2,880	2,020	12	3,220	7.6
I-1-7	E. L. Kelley	412	Mar. 15, 1951	13	-	65	11	3.9	230	14	10	-	5.0	-	250	207	4	416	7.7
I-1-8	do.	400	June 21, 1951	12	-	66	10	8.4	230	15	11	-	5.5	-	241	206	8.1	426	7.7
I-1-12	Tena Rothe	432	Mar. 1, 1951	12	-	68	11	7.9	247	14	8.8	-	2.5	-	258	215	13	429	8.0

IV
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Analyses of water from wells and springs in Medina County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe) in solution	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent sodium	Specific conductance (microhos at 25°C.)	pH
I-1-17	M. Tschirhart	585	Mar. 2, 1951	12	0.16	66	13	13	247	22	14	-	1.5	-	272	218	11	451	7.6
I-1-22	A. L. Rothe	1,140	Jan. 19, 1952	14	-	56	28	31	261	31	53	0.4	.8	-	346	254	21	622	7.8
I-2-16	A. Schlentz	400	May 17, 1930	-	.05	66	13	4.4	234	18	9.0	-	5.6	-	231	218	-	-	-
I-2-18	A. C. Gilliam	436	July 26, 1950	12	-	67	14	6.7	237	18	9	-	4.5	-	258	225	6.1	434	7.9
I-2-21	Herman Ney	450	Sept. 6, 1950	12	-	68	10	5.1	238	9.1	8.2	-	4.8	-	246	210	5	423	7.4
I-2-37	Albert Saathoff	330	July 12, 1950	12	-	74	11	7.0	250	19	11	-	7.3	-	274	230	6.2	455	7.9
I-2-40	W. A. Weyland	295	May 20, 1930	-	.23	74	13	3.5	258	20	9.0	-	1.0	-	248	238	-	-	-
I-2-47	J. Amberson	707	Aug. 31, 1951	14	-	69	13	9.0	258	14	12	-	2.2	-	264	226	8	457	7.4
I-2-50	O. E. Lacey	495	July 11, 1950	-	-	-	-	-	458	" 34 "	21	-	-	-	-	-	-	-	436
I-2-51	A. C. Reuss	447	do.	-	-	-	-	-	585	278	452	-	0	-	-	-	-	-	470
I-2-61	R. A. Saathoff	295	Oct. 16, 1950	23	-	153	21	95	340	105	203	-	0	-	813	468	31	1,350	7.4
I-2-73	W. Lutz	40	Aug. 17, 1950	24	-	134	10	4.0	458	" 34 "	21	-	30	-	549	376	19	880	7.4
I-2-88	C. Langfeld	400	July 17, 1951	13	-	69	65	44.5	585	278	452	-	0	-	1,610	440	69	2,680	7.9
I-2-95	W. Glasscock	1,100	Mar. 21, 1951	11	-	64	18	6.5	260	21	13	-	0	-	274	234	6	476	7.8
I-3-16	B. A. Schweers	307	Jan. 9, 1951	12	-	68	14	3.7	256	13	8.2	-	.5	-	246	227	3.4	436	7.5
I-3-19	Milton Heyen	420	Feb. 19, 1952	12	-	52	9.4	5.4	197	5	10	-	.5	-	200	168	7	442	8.4
I-3-23	C. E. Martin	372	Feb. 26, 1951	12	.04	84	9.0	4.9	285	7.6	9.5	-	2.5	-	283	246	42	467	7.5
I-3-34	Walter Brucks	258	Oct. 15, 1951	13	-	56	9.7	18	232	10	11	-	3.0	-	235	180	18	449	8.3
I-3-50	L. H. Heyen	278	Apr. 30, 1930	16	.08	73	11	8.2	266	12	9.0	-	4.2	-	266	228	-	-	-
I-3-78	R. L. Mumme	280	June 12, 1950	15	-	62	23	3.5	304	34	24	-	8.0	-	371	249	23	644	7.7
I-3-81	W. Britch	805	do.	16	.96	124	12	18	275	21	37	-	106	-	526	359	10	787	7.7
I-3-82	Eugene Moos	Spring	Sept. 13, 1950	10	-	30	5.9	12	116	8.0	12	-	5.0	-	162	99	20	255	7.0
I-3-91	H. Nienhoefner	200	July 19, 1950	-	-	-	-	-	51	311	-	-	-	-	669	386	32	1,070	7.2
I-3-115	Glenn Gooding	650	Nov. 8, 1950	14	.00	102	32	82	310	144	114	-	-	-	264	231	-	-	-
I-3-117	U.S. Government	1,510	May 5, 1944	13	.10	68	15	6.7	256	15	12	0	3.5	-	1,370	516	51	2,180	7.4
I-3-118	do.	1,418	do.	13	.15	70	16	1.4	254	16	11	.2	3.5	-	275	240	-	-	7.4
I-3-125	E. Wiemers	Spring	Jan. 17, 1952	15	-	106	8.3	47	217	22	124	-	.6	-	465	298	25	895	7.6
I-3-130	F. M. Ward	100	June 26, 1951	68	-	178	13	139	304	49	308	-	81	-	985	498	38	1,670	7.4
I-3-131	G. Sadler	60	do.	31	-	172	21	248	356	44	288	-	387	-	1,370	516	51	2,180	7.4
I-3-133	City of Honda	1,500	Nov. 2, 1945	14	.08	66	16	4.8 3.4	244	16	18	.2	3.8	-	263	230	-	438	7.0
I-3-134	do.	1,600	Apr. 30, 1930	15	.03	63	16	7.8	251	15	11	-	2.9	-	227	226	-	-	-
I-3-134	do.	1,600	Nov. 2, 1945	13	.05	64	16	7.1 4.4	255	14	14	.2	3.5	-	255	226	-	476	7.2
** I-4-1	Ross Kennedy Estate	1,600	Jan. 19, 1936	-	-	73	12	12	262	18	18	-	-	-	233	-	-	-	-
I-4-10	Gene Ilse	450	May 21, 1930	-	*41	84	77	431	749	13	592	-	*75	-	1,567	526	-	-	-
I-4-14	W. C. Scott	210	Aug. 21, 1951	44	-	242	41	310	344	183	690	-	2.2	-	1,680	772	47	2,940	7.7
I-4-18	A. L. Rehm	4,290	Nov. 20, 1951	20	.48	137	67	533	376	919	358	2.8	.2	.2	2,220	618	65	3,260	7.4

Analyses of water from wells and springs in Medina County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron (Fe) in solution	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and potas-sium (Na + K)	Bicar-bonate (HCO_3)	Sul-fate (SO_4)	Chlo-ride (Cl)	Fluo-ride (F)	Ni-trate (NO_3)	Boron (B)	Dis-solved solids	Hard-ness as CaCO_3	Per-cent so-dium	Specific conductance (micromhos at 25°C)	pH
I-5-3	D' Hanis Catholic School	41	May 16, 1930	-	-	60	17	2.6	233	13	13	-	3.0	-	223	220	-	-	-
I-5-4	D' Hanis High School	260	Jan. 8, 1952	24	-	109	9.8	38	301	44	43	0	52	-	484	312	21	762	7.8
I-5-5	J. Tschirhart	39	May 15, 1930	-	.57	128	9.9	30	264	23	48	-	146	-	515	361	-	-	-
I-5-8	C. Steurnthaler	1,462	Apr. 10, 1951	13	.09	266	41	5.7	330	17	398	-	.2	-	903	832	1	1,780	6.9
I-5-31	W. A. Nehr	414	Jan. 18, 1952	4.7	-	23	17	429	405	9.1	510	-	.5	-	1,190	128	88	2,190	8.3
I-5-36	Otto Mainz	550	Feb. 15, 1951	28	-	119	9.8	95	425	32	68	-	83	-	675	338	38	1,020	7.5
I-5-42	A. L. Haegelin	196	Feb. 6, 1952	35	-	170	28	102	400	110	231	-	1.0	.58	896	539	29	1,490	7.5
I-5-48	J. A. Rowe	1,700	Jan. 19, 1952	9.4	-	56	18	9.9	246	11	15	.4	0	-	241	214	9	435	9.4
I-5-55	R. McGlauplin	2,000	Apr. 30, 1930	13	.07	59	19	15	244	18	26	.7	-	-	259	225	-	-	-
I-5-57	H. H. Wheeles	275	Aug. 7, 1951	17	-	22	20	596	592	243	490	-	5.0	-	1,680	137	90	2,880	8.3
I-6-3	Alfred Winkler	50	June 25, 1951	25	-	93	9.6	102	366	34	83	-	51	-	578	272	45	961	7.6
I-6-4	F. W. Bohmfalk	1,530*	Oct. 15, 1951	15	.54	64	36	14	252	95	23	-	-	-	402	308	9	643	7.6
I-6-13	H. H. Haby	142	July 21, 1951	34	-	449	135	552	430	622	1,330	-	1.0	-	3,330	1,680	42	5,390	8.0
I-6-78	W. G. Bearmen	49	Sept. 19, 1951	42	-	236	11	138	340	81	312	-	164	-	1,150	634	32	1,910	7.0
I-6-93	H. E. Mofield	125	Feb. 28, 1951	16	.02	286	63	374	445	625	545	-	4.0	-	2,130	972	46	3,220	7.4
I-6-96	F. G. Senne	44	do.	62	-	1,560	278	2,080	127	1,630	5,500	-	-	-	11,200	5,040	47	16,400	6.8
I-6-97	Vernon Gruenwald	55	Oct. 15, 1951	87	-	102	17	280	348	164	330	-	14	-	1,160	324	65	1,930	8.0
I-6-100	G. C. McAnelly	55	Aug. 24, 1951	66	-	213	24	196	410	229	322	-	34	-	1,290	630	40	2,080	8.1
I-6-122	Gilbert Falbo	186	Sept. 31, 1951	49	-	84	19	98	263	124	110	-	-	-	613	288	42	1,150	7.5
I-7-3	Henry Gross	400	Aug. 23, 1951	16	-	196	80	520	471	733	565	-	4.8	-	2,350	818	58	3,610	7.2
I-8-1	Lewis Gross	300	do.	14	-	48	31	991	586	393	1,070	-	4.0	-	2,840	248	90	4,830	7.8
I-8-2	L. O. Carle	260	Oct. 24, 1939	-	-	74	45	1,410	381	638	1,730	-3	10	-	4,090	370	-	-	-
I-8-3	do.	2,164	do.	-	-	398	96	3,920	126	1,6,960	-	-	-	-	11,400	4,390	-	-	-
I-8-7	Marvin Uzzell	172	Oct. 5, 1951	38	-	592	142	494	187	1,820	740	-	55	-	3,970	2,060	34	5,090	7.0
I-8-9	M. S. Koch	159	Oct. 9, 1951	28	-	59	11	27	157	35	61	-	.2	-	348	192	24	671	7.8
I-8-13	Frank Martin	300	May 18, 1930	-	10	197	61	636	390	740	730	-	6.0	-	2,560	743	-	-	-
I-9-2	Emma Wiemers	51	Apr. 2, 1951	31	-	156	28	74	260	165	215	-	1.8	-	799	504	24	1,420	7.8
I-9-18	J. W. Harris	126	Oct. 4, 1951	27	-	58	6.7	46	106	81	67	-	7.8	-	355	172	37	577	7.6
I-9-24	Leo Bohles	176	do.	36	-	67	8.1	43	193	33	69	-	5.0	-	362	200	32	598	7.5
I-9-29	J. H. Cunningham	110	May 20, 1930	-	-	111	12	42	403	40	28	-	7.5	-	439	327	-	-	-
I-9-32	F. Duncan Estate	92	Oct. 8, 1951	51	-	394	42	173	300	728	374	-	.2	-	1,910	1,160	25	2,650	7.0
J-1-3	A. Haby	260	Jan. 17, 1952	14	-	118	42	40	292	171	98	-	2.5	-	630	467	16	1,050	7.7
J-1-22	Frank Haby	350	Jan. 15, 1952	9.8	-	61	15	2.6	245	4.2	10	-	.5	-	223	214	3	442	8.1
J-1-30	F. Jungman	880	do.	12	-	68	18	12	237	48	16	-	3.0	-	294	244	9	496	7.5
J-1-38	J. Hutzler	571	Jan. 25, 1951	9.5	-	72	35	39	306	110	31	-	0	-	470	324	21	757	7.6
J-1-41	F. C. Stinson	641	Jan. 17, 1952	21	-	69	28	185	285	25	298	-	1.0	-	757	287	58	1,440	7.9

TOTAL

Analyses of water from wells and springs in Medina County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron (Fe) in solution	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium ($\text{Na} + \text{K}$)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids	Hardness as CaCO_3	Percent sodium	Specific conductance (micromhos at 25°C)	pH
J-1-44	Fritz Fuos	1,216	Oct. 15, 1951	13	-	69	12	15	256	22	14	-	2.0	-	273	222	13	443	8.2
J-1-49	L. W. Burrell	180	May 16, 1930	-	5.5	84	20	38	355	35	33	-	0	-	385	292	-	-	-
J-1-56	do.	565	do.	-	.17	74	16	7.8	164	108	14	-	1.0	-	302	251	-	-	-
J-1-59	A. Schneider	62	Sept. 20, 1951	30	-	110	17	99	294	30	82	-	213	-	740	344	38	1,150	7.3
J-1-83	City of Castroville	715	Aug. 24, 1950	13	-	65	15	4.8	247	13	12	-	.5	-	240	224	5	448	8.1
J-1-86	J. Courand	1,147	June 10, 1952	11	-	74	31	195	282	15	345	.4	1.0	.94	893	312	58	1,580	8.0
J-2-1	W. J. Haby	749	Oct. 17, 1951	14	-	54	27	156	323	42	196	-	.0	-	648	246	58	1,220	8.1
J-2-8	A. J. Wurzbach	445	Jan. 17, 1952	12	-	67	18	6.7	246	32	14	-	1.5	-	285	242	6	481	7.4
J-2-14	M. H. Bippert	1,180	Jan. 23, 1952	13	-	62	17	13	243	14	24	.4	4.8	-	272	225	11	476	7.8
J-4-2	E. Krewald	1,385	Nov. 16, 1951	6.0	-	48	15	13	202	17	13	-	.5	-	214	182	14	387	7.6
J-4-7	L. M. Samuels	1,285	Jan. 23, 1952	11	-	62	17	8.7	245	13	18	-	4.8	-	256	225	8	450	8.1
J-4-19	Joe A. Turner	84	Sept. 27, 1951	43	-	129	14	285	222	255	384	-	13	-	1,230	380	62	2,230	7.5
J-4-40	W. T. Brady	111	June --, 1951	50	-	294	27	469	526	297	778	-	35	-	2,210	844	55	3,680	7.4
J-4-50	E. J. Bendele	145	Aug. 20, 1951	16	-	52	39	1,020	834	15	1,290	-	-	-	2,840	290	88	4,080	7.6
J-4-69	John T. Kirby	148	Sept. 5, 1951	25	-	85	31	91	366	48	132	-	2.0	.70	595	340	37	1,070	7.5
J-4-75	Guy Mayhew	60	July 17, 1951	47	-	592	71	256	435	554	978	-	18	-	2,730	1,770	24	4,420	7.2
J-4-86	W. D. O'Bryant	20	Sept. 25, 1951	68	-	82	14	209	353	103	225	-	2.5	-	889	262	63	1,480	7.4
J-4-104	Hartley Howard	200	Oct. 5, 1951	25	-	82	25	43	333	40	61	-	.2	-	440	308	23	833	7.9
J-4-109	Mrs. Arthur Conrad	130	Oct. 19, 1951	28	.63	169	22	41	376	95	138	-	.5	-	786	512	15	1,160	8.0
J-4-118	T. J. Mason	12	Aug. 24, 1951	60	-	33	8.2	192	391	98	52	-	.4	-	682	116	78	1,030	8.3
J-4-119	L. E. Sauter	195	Aug. 25, 1951	29	.06	91	30	94	423	120	58	-	1.8	-	633	350	37	1,080	8.3
J-4-124	G. C. Clark	18	Aug. 24, 1951	70	-	78	10	47	295	64	20	-	1.5	-	452	236	30	664	8.3
J-4-127	J. R. Gayer	81	Aug. 29, 1951	45	-	38	12	178	446	80	31	-	47	-	650	144	73	1,020	8.3
J-4-140	J. T. Kirby	240	June 2, 1952	72	-	558	139	563	390	915	1,300	.6	20	1.9	3,760	1,960	38	5,670	7.1
J-4-142	Medina Valley Irrigation District (Chacon Reservoir)	-	Feb. 12, 1952	12	.05	90	23	26	206	137	46	.3	.2	.22	493	319	14	715	7.7
J-7-21	City of Devine	250	Feb. 19, 1946	13	.00	63	15	98 10	346	77	56	.6	.0	-	498	218	-	-	7.7
J-7-22	do.	613	do.	11	.00	70	16	111 15	388	76	71	.6	2.5	-	562	240	-	953	7.6
J-7-30	C. A. Robinson	134	May 16, 1930	-	.09	66	14	42	126	30	127	-	.8	-	342	222	-	-	-
J-7-37	C. Weldon	135	May 20, 1930	-	10	16	-	27	39	20	42	-	2.3	-	131	56	-	-	-
J-7-41	City of Devine	141	June 2, 1952	42	-	42	8.6	67	110	34	112	.4	1.5	.21	382	140	51	643	7.0
J-7-51	Josephine Haegelin	86	Apr. 25, 1930	31	.02	71	22	62	42	40	126	-	162	-	529	268	-	-	-

* Analysis by Texas State Department of Health.

** Analysis by Works Progress Administration.

Analyses of water from wells in Bexar County, Texas

(Analyses in parts per million except specific conductance, pH, and percent sodium)

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent sodium	Specific conductance (microhos at 25°C)	pH
1	-- Tucker	923	Oct. 13, 1913	-	0	-	-	-	-	239	22	12	-	-	-	-	-	219	-	-	
7	G.Potchernick	456	do.	-	0	-	-	-	-	249	19	8	-	-	-	-	-	182	-	-	
53	City of San Antonio	-	May 21, 1934	-	-	-	-	-	-	246	16	10	-	-	-	-	-	228	-	-	
58	Mrs. L. M. Hubble	498	do.	-	-	-	-	-	-	250	12	10	-	-	-	-	-	228	-	-	
67	Wilson Wholesale Lumber Co.	802	do.	-	-	-	-	-	-	244	14	12	-	-	-	-	-	225	-	-	
116	St. Anthony Hotel	831	1908	12	.3	-	61	20	13	236	24	14	-	0.1	-	-	266	234	-	572	
155	Southern Henke Ice Co.	1,350	Mar. 17, 1952	13	.00	-	64	25	19	245	61	26	1.0	1.0	-	-	349	262	14	7.7	
159	Southern Pacific R.R.	1,103	May 21, 1934	-	-	-	-	-	-	240	46	23	-	-	-	-	-	264	-	-	
164	San Antonio Public Service Co.	1,052	June 16, 1942	15	.14	-	64	17	9.9	242	26	16	.1	3.0	-	-	268	230	-	-	
174	City of San Antonio	1,400	Nov. 15, 1945	15	.06	-	68	18	9.8	240	35	19	.2	3.2	-	-	295	244	-	-	
198	Frank Brady	1,165	May 14, 1934	-	-	-	-	-	-	244	12	11	-	-	-	-	-	225	-	-	
204	N. H. White	915	May 21, 1934	-	-	-	-	-	-	216	16	13	-	-	-	-	-	201	-	-	
261	City of San Antonio	703	June 21, 1950	16	.00	.12	50	17	5.2	0.8	190	32	13	.3	3.5	-	0.12	246	195	5	490
280	do.	1,114	June 14, 1948	16	.25	-	59	17	6.8	232	22	12	.1	1.8	-	-	-	263	217	6	465
283	do.	1,361	May 14, 1952	17	.01	.01	65	19	10	1.6	238	35	18	.3	5.0	0.1	.12	296	240	8	498
D-1	Gus Benke	1,000	May 23, 1934	-	-	-	-	-	-	216	60	14	-	-	-	-	-	274	-	-	
D-12	Rudolph Biering	360	Apr. 8, 1954	-	-	-	78	16	6.1	.9	298	13	13	-	5.6	-	-	313	260	5	531
E-22	Myrtle Rains	419	May 16, 1943	-	-	-	-	-	-	290	800	15	-	-	-	-	-	-	-	7.4	
E-26	Ed Bacon	387	do.	-	-	-	-	-	-	294	45	12	-	-	-	-	-	-	-	-	
E-27	Stover's Ranch	800	do.	-	-	-	-	-	-	286	18	12	-	-	-	-	-	-	-	-	

Edwards and associated limestones

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent sodium	Specific conductance (microhos at 25°C)	pH
1	-- Tucker	923	Oct. 13, 1913	-	0	-	-	-	-	239	22	12	-	-	-	-	-	219	-	-	
7	G.Potchernick	456	do.	-	0	-	-	-	-	249	19	8	-	-	-	-	-	182	-	-	
53	City of San Antonio	-	May 21, 1934	-	-	-	-	-	-	246	16	10	-	-	-	-	-	228	-	-	
58	Mrs. L. M. Hubble	498	do.	-	-	-	-	-	-	250	12	10	-	-	-	-	-	228	-	-	
67	Wilson Wholesale Lumber Co.	802	do.	-	-	-	-	-	-	244	14	12	-	-	-	-	-	225	-	-	
116	St. Anthony Hotel	831	1908	12	.3	-	61	20	13	236	24	14	-	0.1	-	-	266	234	-	572	
155	Southern Henke Ice Co.	1,350	Mar. 17, 1952	13	.00	-	64	25	19	245	61	26	1.0	1.0	-	-	349	262	14	7.7	
159	Southern Pacific R.R.	1,103	May 21, 1934	-	-	-	-	-	-	240	46	23	-	-	-	-	-	264	-	-	
164	San Antonio Public Service Co.	1,052	June 16, 1942	15	.14	-	64	17	9.9	242	26	16	.1	3.0	-	-	268	230	-	-	
174	City of San Antonio	1,400	Nov. 15, 1945	15	.06	-	68	18	9.8	240	35	19	.2	3.2	-	-	295	244	-	-	
198	Frank Brady	1,165	May 14, 1934	-	-	-	-	-	-	244	12	11	-	-	-	-	-	225	-	-	
204	N. H. White	915	May 21, 1934	-	-	-	-	-	-	216	16	13	-	-	-	-	-	201	-	-	
261	City of San Antonio	703	June 21, 1950	16	.00	.12	50	17	5.2	0.8	190	32	13	.3	3.5	-	0.12	246	195	5	490
280	do.	1,114	June 14, 1948	16	.25	-	59	17	6.8	232	22	12	.1	1.8	-	-	-	263	217	6	465
283	do.	1,361	May 14, 1952	17	.01	.01	65	19	10	1.6	238	35	18	.3	5.0	0.1	.12	296	240	8	498
D-1	Gus Benke	1,000	May 23, 1934	-	-	-	-	-	-	216	60	14	-	-	-	-	-	274	-	-	
D-12	Rudolph Biering	360	Apr. 8, 1954	-	-	-	78	16	6.1	.9	298	13	13	-	5.6	-	-	313	260	5	531
E-22	Myrtle Rains	419	May 16, 1943	-	-	-	-	-	-	290	800	15	-	-	-	-	-	-	-	8.3	
E-26	Ed Bacon	387	do.	-	-	-	-	-	-	294	45	12	-	-	-	-	-	-	-	-	
E-27	Stover's Ranch	800	do.	-	-	-	-	-	-	286	18	12	-	-	-	-	-	-	-	-	

IV-12

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron total (Fe)	Iron in solution (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent saturation	Specific conductance (micromhos at 25°C)	pH
E-27	Stowers' Ranch	800	July 20, 1943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-36	H. Moss	350	Oct. 13, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-36	do.	350	May 16, 1943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-43	H. M. Linn	416	Oct. 13, 1913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-45	George Calvert	-	May 21, 1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-55	W. W. Wolf	455	June 28, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-57	Joe H. Frost	656	do.	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-58	Richard Bluemel	406	do.	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-68	G. Walker	300	July 24, 1946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-69	Nat. Washer	361	June 28, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-120	Keith Lyons, Sr.	462	Aug. 3, 1952	14	0	0.35	484	247	43	273	1,980	14	4.0	2.0	-	-	2,920	2,220	4	3,090	7.2
F-11	L. G. Yates	300	May 22, 1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-28	Henry Koch	480	Oct. 13, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-38	Hill Country Estate	318	July 23, 1946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-41	Bexar County School for Girls	367	June 28, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*F-55	San Antonio International Airport	325	do.	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-62	D. W. McGee	370	May 22, 1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-82	Henry Robards	417	June 13, 1946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-92	A. J. Brucks	660	Apr. 12, 1950	15	.01	4.0	69	28	28	229	77	57	0	-	-	-	391	287	18	708	7.6
F-117	P. F. Reininger	617	do.	15	.01	.65	61	28	53	284	42	76	0	-	-	-	434	267	30	794	7.6
F-173	City of San Antonio	523	Nov. 15, 1942	-	.35	-	106	15	46	302	17	48	.2	4.0	-	-	405	326	3	-	7.3
G-6	C. R. Cusick	500	Mar. 8, 1950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	566	-
G-8	Frank Sonntag	652	Sept. 12, 1942	-	-	-	-	-	-	-	-	-	-	-	-	-	286	841	442	-	-

<i>Edwards and associated limestones</i>																					
E-27	Stowers' Ranch	800	July 20, 1943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-36	H. Moss	350	Oct. 13, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-36	do.	350	May 16, 1943	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-43	H. M. Linn	416	Oct. 13, 1913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-45	George Calvert	-	May 21, 1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-55	W. W. Wolf	455	June 28, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-57	Joe H. Frost	656	do.	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-58	Richard Bluemel	406	do.	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-68	G. Walker	300	July 24, 1946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-69	Nat. Washer	361	June 28, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E-120	Keith Lyons, Sr.	462	Aug. 3, 1952	14	0	0.35	484	247	43	273	1,980	14	4.0	2.0	-	-	2,920	2,220	4	3,090	7.2
F-11	L. G. Yates	300	May 22, 1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-28	Henry Koch	480	Oct. 13, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-38	Hill Country Estate	318	July 23, 1946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-41	Bexar County School for Girls	367	June 28, 1913	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*F-55	San Antonio International Airport	325	do.	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-62	D. W. McGee	370	May 22, 1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-82	Henry Robards	417	June 13, 1946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F-92	A. J. Brucks	660	Apr. 12, 1950	15	.01	4.0	69	28	28	229	77	57	0	-	-	-	391	287	18	708	7.6
F-117	P. F. Reininger	617	do.	15	.01	.65	61	28	53	284	42	76	0	-	-	-	434	267	30	794	7.6
F-173	City of San Antonio	523	Nov. 15, 1942	-	.35	-	106	15	46	302	17	48	.2	4.0	-	-	405	326	3	-	7.3
G-6	C. R. Cusick	500	Mar. 8, 1950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	566	-
G-8	Frank Sonntag	652	Sept. 12, 1942	-	-	-	-	-	-	-	-	-	-	-	-	-	286	841	442	-	-

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron total (Fe)	Iron in solution (Fe)	Cal-magnesium (Ca)	Sodium and potassium (Na + K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Fgross phosphate (PO_4)	Boron (B)	Dissolved solids	Hardness as CaCO_3	Percent sodium	Specific conductance (micromhos at 25°C)	pH		
G-8	Frank Sonntag	652	Apr. 11, 1950	19	-	-	159	69	234	244	422	390	-	0.0	-	-	1,410	680	43	2,370	7.1	
G-10	Southern Pacific R.R.	554	Sept. 1942	11	0.18	-	64	20	14	235	42	24	0.3	2.5	-	-	315	242	-	-	-	
G-10	do.	554	Jan. 11, 1944	9.6	.05	-	69	19	9.9	241	40	21	.2	2.8	-	-	304	250	-	-	-	
G-11	U.S. Government Well 1	700	Sept. 1942	10	.06	-	74	29	40	244	89	68	.4	1.5	-	-	499	304	-	-	-	
G-11	do.	700	Oct. 18, 1954	13	.00	0.04	67	21	17	239	46	31	.5	2.5	-	-	326	254	13	542	7.8	
G-12	U.S. Government Well 2	563	Sept. 1952	12	.02	-	67	20	26	261	46	30	.3	.5	-	-	336	249	-	-	-	
G-12	do.	563	Oct. 18, 1954	13	.00	.00	66	19	15	238	39	26	.3	3.0	-	-	316	242	12	500	7.5	
G-17	U.S. Government Well 7	583	Sept. 1942	11	.32	-	67	23	18	247	51	31	.3	0	-	-	363	262	-	-	-	
G-17	do.	583	Oct. 18, 1954	12	.00	.06	66	21	18	242	46	28	.5	2.5	-	-	332	251	13	540	7.6	
G-18	U.S. Government Well 8	577	Sept. 1942	8.8	.16	-	51	26	27	231	43	42	.1	0	-	-	324	234	-	-	-	
G-19	U.S. Government Well 9	1,003	Sept. 1942	-	-	-	472	268	1,013	347	1,687	1,732	-	-	-	-	5,340	2,280	-	-	-	
G-20	U.S. Government Well 10	518	Dec. 1942	20	.10	-	98	71	294	446	40	535	5.2	1.5	-	-	1,280	536	-	-	-	
G-20	do.	518	Oct. 18, 1954	12	.00	.20	66	19	13	239	37	24	.2	2.8	-	-	306	242	11	506	7.4	
G-25	Ernest Hillert	960	Mar. 22, 1950	16	.3	12	598	330	1,460	273	2,210	2,480	-	.5	-	-	7,230	2,850	53	10,600	7.2	
G-43	Schertz Water Works	426	Mar. 17, 1950	14	.01	-	63	18	10 3.6	233	34	20	.6	3.8	-	0.37	287	231	8	484	7.7	
H-6	August Bonger	435	Feb. 15, 1951	14	-	-	84	16	59	292	53	74	-	6.0	-	-	451	276	32	778	8.2	
H-8	C. A. Pepper	500	do.	11	-	-	62	17	11	245	25	14	-	1.8	-	-	264	224	9	461	8.3	
H-54	H. E. Roberts	360	do.	7.8	-	-	74	19	7.5	-	256	43	13	-	1.0	-	-	300	262	6	505	7.9
I-33	Jaffe-Martin	385	May 21, 1934	-	-	-	-	-	-	248	56	19	-	-	-	-	-	270	-	-	-	
I-46	Gulick's Dairy	476	Aug. 21, 1911	-	1.6	-	68	16	5.3	231	14	21	-	-	-	-	248	236	-	-	-	
I-47	Jack Neal	488	June 28, 1913	-	0	-	-	-	-	313	43	233	-	-	-	-	840	88	-	-	-	

Edwards and associated limestones

IV-14

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron total (Fe)	Iron in solution (Fe)	Cal-magnesium (Ca)	Sodium and potassium (Na + K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Fgross phosphate (PO_4)	Boron (B)	Dissolved solids	Hardness as CaCO_3	Percent sodium	Specific conductance (micromhos at 25°C)	pH		
G-8	Frank Sonntag	652	Apr. 11, 1950	19	-	-	159	69	234	244	422	390	-	0.0	-	-	1,410	680	43	2,370	7.1	
G-10	Southern Pacific R.R.	554	Sept. 1942	11	0.18	-	64	20	14	235	42	24	0.3	2.5	-	-	315	242	-	-	-	
G-10	do.	554	Jan. 11, 1944	9.6	.05	-	69	19	9.9	241	40	21	.2	2.8	-	-	304	250	-	-	-	
G-11	U.S. Government Well 1	700	Sept. 1942	10	.06	-	74	29	40	244	89	68	.4	1.5	-	-	499	304	-	-	-	
G-11	do.	700	Oct. 18, 1954	13	.00	0.04	67	21	17	239	46	31	.5	2.5	-	-	326	254	13	542	7.8	
G-12	U.S. Government Well 2	563	Sept. 1952	12	.02	-	67	20	26	261	46	30	.3	.5	-	-	336	249	-	-	-	
G-12	do.	563	Oct. 18, 1954	13	.00	.00	66	19	15	238	39	26	.3	3.0	-	-	316	242	12	500	7.5	
G-17	U.S. Government Well 7	583	Sept. 1942	11	.32	-	67	23	18	247	51	31	.3	0	-	-	363	262	-	-	-	
G-17	do.	583	Oct. 18, 1954	12	.00	.06	66	21	18	242	46	28	.5	2.5	-	-	332	251	13	540	7.6	
G-18	U.S. Government Well 8	577	Sept. 1942	8.8	.16	-	51	26	27	231	43	42	.1	0	-	-	324	234	-	-	-	
G-19	U.S. Government Well 9	1,003	Sept. 1942	-	-	-	472	268	1,013	347	1,687	1,732	-	-	-	-	5,340	2,280	-	-	-	
G-20	U.S. Government Well 10	518	Dec. 1942	20	.10	-	98	71	294	446	40	535	5.2	1.5	-	-	1,280	536	-	-	-	
G-20	do.	518	Oct. 18, 1954	12	.00	.20	66	19	13	239	37	24	.2	2.8	-	-	306	242	11	506	7.4	
G-25	Ernest Hillert	960	Mar. 22, 1950	16	.3	12	598	330	1,460	273	2,210	2,480	-	.5	-	-	7,230	2,850	53	10,600	7.2	
G-43	Schertz Water Works	426	Mar. 17, 1950	14	.01	-	63	18	10 3.6	233	34	20	.6	3.8	-	0.37	287	231	8	484	7.7	
H-6	August Bonger	435	Feb. 15, 1951	14	-	-	84	16	59	292	53	74	-	6.0	-	-	451	276	32	778	8.2	
H-8	C. A. Pepper	500	do.	11	-	-	62	17	11	245	25	14	-	1.8	-	-	264	224	9	461	8.3	
H-54	H. E. Roberts	360	do.	7.8	-	-	74	19	7.5	-	256	43	13	-	1.0	-	-	300	262	6	505	7.9
I-33	Jaffe-Martin	385	May 21, 1934	-	-	-	-	-	-	248	56	19	-	-	-	-	-	270	-	-	-	
I-46	Gulick's Dairy	476	Aug. 21, 1911	-	1.6	-	68	16	5.3	231	14	21	-	-	-	-	248	236	-	-	-	
I-47	Jack Neal	488	June 28, 1913	-	0	-	-	-	-	313	43	233	-	-	-	-	840	88	-	-	-	

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH
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Edwards and associated limestones

I-57	A. J. McCulley	888	Feb. 7, 1951	9.2	-	-	60	17	58	285	13	68	-	3.5	-	-	369	220	37	671	8.1
I-60	U.S. Air Force	1,609	May 24, 1944	13	0.01	-	64	16	5.3	246	15	12	0.2	3.4	-	-	247	226	-	-	-
I-60	do.	1,609	Oct. 5, 1954	13	.00	0.04	64	15	7.6	246	15	12	.1	4.4	-	-	252	221	7	447	7.7
I-61	do.	1,911	May 24, 1944	14	.01	-	59	24	11	241	49	13	.4	1.2	-	-	285	246	-	-	-
I-61	do.	1,911	Oct. 5, 1954	14	.01	.04	59	24	12	242	50	13	.3	2.2	-	-	298	246	10	252	7.5
I-62	Perry & Martin	1,480	Oct. 2, 1939	11	-	-	37	25	102	311	1	106	4.0	0	-	-	436	195	-	-	-
I-66	U.S. Air Force	1,677	July 14, 1948	12	.05	-	62	17	5.7	243	15	13	.3	3.8	-	-	256	225	5	447	8.0
I-66	do.	1,677	Aug. 9, 1954	12	.00	.08	60	16	10	239	14	16	.5	5.0	-	-	262	216	10	458	7.6
I-77	Vander Poorten	1,042	June 1943	8.0	.10	-	47	14	3.5	177	15	12	.2	5.5	-	-	217	174	-	-	-
I-78	U.S. Air Force Kelly Field	1,030	July 14, 1948	12	.05	-	64	16	6.8	247	15	13	.3	3.8	-	-	266	226	6	458	7.7
I-78	do.	1,030	Aug. 9, 1954	13	.00	.28	62	16	9.1	248	15	12	.2	5.1	-	-	264	220	8	459	7.7
I-93	U.S. Government Camp Normoyle	1,120	Jan. 12, 1944	13	.02	-	65	17	8.3	250	21	14	.2	3.8	-	-	267	232	-	-	-
I-96	U.S. Air Force Kelly Field	1,400	July 14, 1948	11	.08	-	61	17	7.5	43	16	13	.3	4.2	-	-	255	222	7	450	8.0
I-96	do.	1,400	Aug. 9, 1954	13	.00	.13	62	17	9.3	245	19	14	.3	4.5	-	-	263	225	8	465	7.6
I-97	do.	1,590	July 14, 1948	11	.05	-	62	27	12	264	51	13	1.0	1.2	-	-	312	266	9	526	8.0
I-97	do.	1,590	Aug. 9, 1954	14	.00	.28	60	25	13	255	48	13	.8	2.5	-	-	325	252	10	524	7.6
I-108	Charlie Persyn	1,660	Feb. 1908	31	-	-	718	211	530	629	1,740	1,060	-	-	-	-	4,600	1,660	-	-	-
I-123	U.S. Air Force Kelly Field	1,632	July 14, 1948	12	.05	-	56	24	11	247	35	14	.6	2.2	-	-	276	238	9	484	7.8
I-123	do.	1,632	Aug. 9, 1954	13	.00	.04	56	24	11	247	35	14	.5	2.8	-	-	281	238	9	498	7.6
I-124	do.	1,608	July 14, 1948	12	.08	-	61	16	17	248	15	14	5.0	4.2	-	-	308	218	15	478	7.6
I-124	do.	1,608	Aug. 9, 1954	13	.00	.04	60	17	7.5	243	15	12	.2	4.5	-	-	254	220	7	447	7.5
I-134	U.S. Air Force Lackland Base	1,663	July 19, 1950	13	.00	41	74	38	5.1	289	31	50	4.0	.5	-	-	361	340	3	654	7.2

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron	Dissolved solids (B)	Hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH
<i>Edwards and associated limestones</i>																					
I-190	U.S. Air Force Lackland Base	-	Mar. 5, 1952	0.00	0.00	63	17	4.3	246	13	12	0.1	5.0	-	-	254	227	4	453	7.6	
I-190	do.	-	Oct. 5, 1954	.00	.04	63	16	6.7	246	14	12	.1	5.2	-	-	252	223	6	445	7.5	
I-191	do.	1,520	Aug. 4, 1952	.02	.40	60	16	11	250	14	12	.2	3.5	-	-	277	216	10	453	7.7	
I-191	do.	1,520	Oct. 5, 1953	.00	.04	64	15	7.3	246	14	12	.1	5.0	-	-	251	221	7	445	7.7	
J-2	San Antonio Portland Cement Co.	580	Oct. 13, 1913	0	-	-	-	-	288	35	65	-	-	-	-	164	-	-	-	-	
J-3	do.	665	do.	-	4.7	-	-	-	239	186	13.5	-	-	-	-	730	232	-	-	-	
J-5	do.	667	do.	0	-	-	-	-	205	19	12	-	-	-	-	250	184	-	-	-	
J-15	J. S. Mills	576	June 7, 1946	-	-	-	-	-	348	44	117	-	-	-	-	330	-	-	-	-	
J-16	Don Danvers	640	June 11, 1946	-	-	-	-	-	198	60	36	-	-	-	-	255	-	-	-	-	
J-18	U.S. Government Ft. Sam Houston	700	Feb. 9, 1911	.21	-	235	50	173	-	778	204	-	-	-	-	1,510	793	-	-	-	
J-19	do.	635	Aug. 6, 1946	.06	-	63	16	7.8	246	16	13	.2	3.5	-	-	257	223	7	-	7.3	
J-19	do.	635	July 24, 1952	-	.02	63	16	7.2	245	16	12	.2	4.7	-	-	256	223	7	457	7.5	
J-20	do.	635	Aug. 6, 1946	8.0	.05	-	64	16	6.4	247	15	13	.2	3.0	-	-	257	226	6	-	7.3
J-20	do.	635	July 10, 1950	.00	-	65	17	1.7	244	17	11	.1	3.0	-	-	250	232	2	457	7.7	
J-25	A. Van Hecke	975	June 7, 1946	-	-	-	-	-	204	32	19	-	-	-	-	180	-	-	-	-	
J-28	Hudson Fish Hatchery	932	do.	-	-	-	-	-	250	55	24	-	-	-	-	330	-	-	-	-	
J-62	J. O. Wells	675	Apr. 11, 1950	19	-	166	183	2,310	294	3,990	-	1.3	-	-	7,130	1,170	81	12,700	7.1		
J-65	T. D. Peir	767	do.	18	-	62	23	20	239	49	24	-	1.4	-	-	334	249	15	565	7.8	
J-66	Fred Ward	900	Apr. 13, 1950	12	.02	7.0	62	41	323	242	130	205	-	2.2	-	719	323	48	1,300	7.6	
J-67	F. J. Graf	900	do.	13	-	482	247	953	172	1,830	1,590	-	3.0	-	-	5,200	2,220	48	7,590	7.5	
J-89	City of San Antonio	778	Sept. 1, 1951	15	.01	a250	44	17	1.2	b262	42	396	.4	*8	0.05	1,340	805	4	1,820	7.1	
K-20	Ben Ward	800	Apr. 11, 1950	6	-	554	338	1,970	105	2,070	3,410	-	2.0	-	-	8,400	2,770	61	13,000	7.3	

^a Calcium results probably low. CaCO₃ slightly precipitated.
^b Bicarbonate results probably low due to precipitate of CaCO₃ in sample.

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron in solution (Fe)	Iron total (Fe)	Magnesium (Ca)	Sodium and potassium (Na + K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Phosphate (PO_4)	Boron (B)	Dissolved solids as CaCO_3	Hardness as CaCO_3	Percent sorbidity	Specific conductance at 25°C	pH
K-25	E. J. Leick	1,355	Jan. 25, 1951	14	-	-	652	259	532	313	2,040	1,040	-	2.5	-	4,690	2,690	30	6,060	8.0
M-13	A. A. Seligson	1,800	Mar. 4, 1949	13	-	-	90	8.1	62	235	119	54	.0	-	-	488	258	34	759	-
M-29	Aldridge Nursery	2,251	do.	16	-	-	146	61	71	236	349	151	-	0.45	948	616	20	1,440	-	
N-4	O.R. Mitchell	1,909	July 29, 1946	-	-	-	-	-	238	34	22	-	3.2	-	-	-	192	-	-	-
N-11	Louis Althiem	1,850	July 24, 1946	-	-	-	-	-	-	313	1,570	12	-	0	-	-	-	-	-	-
N-13	D. Saenz	1,767	May 12, 1944	-	-	-	656	208	564	285	1,750	1,180	-	-	-	4,500	2,490	-	-	-
N-23	Mrs. Wm. Rippes	2,000	May 22, 1934	-	-	-	-	-	-	250	1,300	852	-	-	-	-	1,340	-	-	-
0-50	Blue Wing Club	2,444	June 20, 1913	-	0	-	709	206	369	154	1,860	957	-	-	-	4,180	2,620	-	-	-

Edwards and associated limestone

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron in solution (Fe)	Iron total (Fe)	Magnesium (Ca)	Sodium and potassium (Na + K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Phosphate (PO_4)	Boron (B)	Dissolved solids as CaCO_3	Hardness as CaCO_3	Percent sorbidity	Specific conductance at 25°C	pH
K-25	E. J. Leick	1,355	Jan. 25, 1951	14	-	-	652	259	532	313	2,040	1,040	-	2.5	-	4,690	2,690	30	6,060	8.0
M-13	A. A. Seligson	1,800	Mar. 4, 1949	13	-	-	90	8.1	62	235	119	54	.0	-	-	488	258	34	759	-
M-29	Aldridge Nursery	2,251	do.	16	-	-	146	61	71	236	349	151	-	0.45	948	616	20	1,440	-	
N-4	O.R. Mitchell	1,909	July 29, 1946	-	-	-	-	-	238	34	22	-	3.2	-	-	-	192	-	-	-
N-11	Louis Althiem	1,850	July 24, 1946	-	-	-	-	-	-	313	1,570	12	-	0	-	-	-	-	-	-
N-13	D. Saenz	1,767	May 12, 1944	-	-	-	656	208	564	285	1,750	1,180	-	-	-	4,500	2,490	-	-	-
N-23	Mrs. Wm. Rippes	2,000	May 22, 1934	-	-	-	-	-	-	250	1,300	852	-	-	-	-	1,340	-	-	-
0-50	Blue Wing Club	2,444	June 20, 1913	-	0	-	709	206	369	154	1,860	957	-	-	-	4,180	2,620	-	-	-

Geological Source Unknown

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron in solution (Fe)	Iron total (Fe)	Magnesium (Ca)	Sodium and potassium (Na + K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Phosphate (PO_4)	Boron (B)	Dissolved solids as CaCO_3	Hardness as CaCO_3	Percent sorbidity	Specific conductance at 25°C	pH
2	-- Tucker	650	-	0	-	-	-	-	-	349	42	20	-	-	-	-	220	-	-	-
4	Mrs. R. E. McIlvaine	540	June 28, 1913	0	-	-	-	-	-	282	33	290	-	-	-	-	120	-	-	-
5	Davis Heights	-	May 21, 1934	-	-	-	-	-	-	260	20	12	-	-	-	-	243	-	-	-
11	Alamo Heights	490	Nov. 16, 1945	12	.06	-	67	16	3.4	247	17	12	0.2	3.5	-	-	261	233	-	-
25	Incarnate Word College	390	May 25, 1953	1.8	.04	1.6	15	1.5	15	3.2	25	27	.4	.2	.01	98	44	41	183	6.7
44	Lakeview Addition Well 2	1,000	May 21, 1934	-	-	-	-	-	-	248	14	11	-	-	-	-	228	-	-	-
80	U. S. Government	729	Aug. 6, 1946	-	.06	-	62	17	7.1	245	16	14	.2	3.0	-	-	252	225	-	-
80	do.	729	July 24, 1952	13	-	.01	61	16	10	244	17	13	.2	5.0	-	-	266	218	9	460
81	do.	729	Aug. 6, 1946	1.3	.05	-	63	16	8.4	246	16	14	.2	3.5	-	-	262	223	-	-
81	do.	729	July 10, 1951	16	.00	.03	64	16	8.3	248	18	8.6	.1	5.0	-	-	290	220	8	464
157	Martin Linen Supply Co.	1,425	Nov. 20, 1941	15	.06	-	71	29	15	246	83	26	1.5	0	-	-	394	296	-	-
175	City of San Antonio	2,103	May 21, 1934	-	-	-	-	-	-	38	120	1,960	-	-	-	-	900	-	-	-

Analyses of water from wells in Bexar County--Continued

IV-18

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium ($\text{Na} + \text{K}$)	Bicarbonate (HCO_3)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Phosphate (PO_4)	Boron (B)	Dissolved solids as CaCO_3	Hardness as CaCO_3	Percent solubility of CaCO_3	Specific conductance (microhos at 25°C.)	pH
<i>Geological Source Unknown</i>																				
176	A. C. Oeffinger	30	Aug. 25, 1941	-	-	-	-	-	-	418	48	6.5	-	-	-	577	318	-	-	
B-9	U.S. Government	240	May 20, 1943	-	0.12	-	84	16	6.4	298	10	16	0.2	1.5	-	330	276	-	-	
B-18	do.	370	May 13, 1943	9.4	.02	-	96	16	6.2	338	16	13	.4	7.4	-	346	306	-	-	
B-18	do.	370	June 24, 1953	14	.00	0.02	66	32	12	324	32	14	.8	1.0	-	336	296	8	59.2	
B-20	do.	570	May 13, 1943	8.4	.02	-	66	32	5.5	320	31	11	.6	.2	-	342	300	-	-	
B-20	do.	570	June 3, 1954	13	.01	.02	66	34	9.4	330	31	14	.8	.8	-	344	304	6	58.7	
B-21	do.	506	May 13, 1943	8.6	.05	-	66	33	8.0	328	28	12	.6	1.0	-	337	300	-	-	
B-21	do.	506	June 3, 1954	12	.00	.00	70	34	12	336	36	16	.7	3.2	-	358	314	8	61.5	
B-23	do.	2,500	May 15, 1943	9.2	.08	-	81	16	8.3	298	19	12	.2	5.8	-	319	268	-	-	
B-23	do.	2,500	June 24, 1953	14	.00	.16	94	39	20	307	153	18	.7	.2	-	523	395	10	79.6	
B-24	do.	1,022	May 14, 1943	-	-	-	503	272	215	202	2,420	108	-	.0	-	3,620	2,370	-	-	
B-27	do.	172	July 13, 1949	11	.54	-	82	33	11	305	86	16	.5	1.2	-	395	340	6.7	66.1	
D-36	R. L. White	240	July 26, 1951	13	-	-	93	87	7.8	c357	272	20	-	3.0	-	730	590	3	1,050	
D-37	do.	87	do.	-	-	-	-	-	-	222	12	22	-	28	-	564	422	12	86.4	
D-45	G.O.Nicholson	210	July 27, 1951	-	-	-	-	-	-	194	24	16	-	3.0	-	730	590	3	1,050	
E-10	U.S. Government Well 12	1,173	Apr. 28, 1943	-	-	-	522	307	187	216	2,620	48	-	.0	-	3,790	2,560	-	-	
E-11	U.S. Government	208	May 14, 1943	9.0	.08	-	89	59	12	324	183	23	.8	.0	-	606	464	-	-	
E-21	A. G. Uh1	601	May 16, 1943	-	-	-	-	-	-	334	13.5	16	-	-	-	-	-	-	-	
E-37	H. Moss	455	do.	-	-	-	-	-	-	292	18	12	-	-	-	-	-	-	-	
E-67	G. Walker	1,770	Oct. 11, 1939	-	-	-	231	82	59	380	665	27	-	-	-	1,250	914	-	-	
F-10	** Fisher	-	July 23, 1946	-	-	-	-	-	-	307	30	12	-	.0	-	-	330	-	-	
F-15	T. Steubing	427	do.	-	-	-	-	-	-	311	300	25	-	1.5	-	-	712	-	-	

c Includes equivalent of 9 ppm carbonate (CO_3).

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium ($\text{Na}^+ + \text{K}^-$)	Bicarbonate (HCO_3^-)	Sulfate (SO_4^{2-})	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3^-)	Phosphate (PO_4^{3-})	Boron (B)	Dissolved solids	Hardness as CaCO_3	Percent sodium	Specific conductance (micromhos at 25°C)	pH
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Geological Source Unknown

F-29	Albert Theis	-	Oct. 13, 1913	-	-	-	-	-	-	410	3	74	-	-	-	-	-	238	-	-	-	
F-80	C. N. Farrell	358	July 12, 1946	-	-	-	-	-	-	325	115	76	-	-	-	-	-	510	-	-	-	
F-80	do.	358	July 17, 1946	-	-	-	-	-	-	218	80	24	-	0.0	-	-	-	270	-	-	-	
G-4	Harry Ruebshan	480	July 22, 1946	-	-	-	-	-	-	240	30	16	-	1.5	-	-	-	248	-	-	-	
G-9	Otto Knuepper	599	Sept. 12, 1942	-	-	-	-	-	-	246	41	24	-	-	-	-	-	-	-	-	-	
H-12	A. J. Vogt	786	Feb. 7, 1951	8.8	-	-	62	17	22	248	14	37	-	3.8	-	-	292	224	18	524	7.8	
H-17	Robert Mechler	918	do.	9.2	-	-	64	16	22	252	14	35	-	4.5	-	-	289	226	18	516	7.8	
I-1	John Grissom	200	Feb. 15, 1951	11	-	-	105	9.0	14	316	29	21	-	13	-	-	378	299	9	615	7.9	
I-31	Mrs. D. L. Horn	330	Oct. 13, 1913	-	0	-	-	-	-	264	55	33	-	-	-	-	390	242	-	-	-	
J-21	Salado Water Co.	702	June 28, 1913	-	0	-	-	-	-	225	41	25	-	-	-	-	-	196	-	-	-	
J-27	Alveit Bros.	620	June 7, 1946	-	-	-	-	-	-	250	55	24	-	-	-	-	-	330	-	-	-	
J-49	State Hospital	2,100	1895	8.0	7.1	-	636	195	-	410	1,920	850	-	-	-	-	4,260	2,390	-	-	-	
K-17	J. T. Terrell	33	July 19, 1946	-	-	-	-	-	-	224	85	256	-	42	-	-	-	345	-	-	-	
M-1	Otto Bippert	45	July 10, 1946	-	-	-	-	-	-	370	125	57	-	20	-	-	-	285	-	-	-	
M-2	F. V. Ford	43	do.	-	-	-	-	-	-	124	85	30	-	8.0	-	-	-	165	-	-	-	
M-3	F. W. Gray	143	July 9, 1946	-	-	-	-	-	-	242	770	291	-	6.5	-	-	-	585	-	-	-	
M-4	E. T. Williamson	18	July 10, 1946	-	-	-	-	-	-	158	383	64	-	1.0	-	-	-	442	-	-	-	
M-5	H. F. Franger	35	do.	-	-	-	-	-	-	135	320	74	-	1.2	-	-	-	292	-	-	-	
M-6	W. Rohmer	55	do.	-	-	-	-	-	-	164	250	180	-	8.2	-	-	-	450	-	-	-	
M-7	Joe Jackel	45	do.	-	-	-	-	-	-	292	418	95	-	19	-	-	-	360	-	-	-	
M-10	R. Magnus	48	do.	-	-	-	-	-	-	156	250	118	-	21	-	-	-	330	-	-	-	
M-11	R. R. Jarvis	1,850	Mar. 4, 1949	14	-	-	104	41	33	230	178	89	-	2	-	0.37	630	428	14	963	-	
M-12	J. G. Noel	1,915	do.	10	-	-	61	17	8.6	-	248	16	12	-	2.8	-	-	255	222	8	442	-
M-14	A. H. Grothues	1,800	May 22, 1934	-	-	-	-	-	-	220	200	122	-	-	-	-	417	-	-	-	-	

IV-10

Analyses of water from wells in Bexar County--Continued

IV-20

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in solution (Fe)	Iron total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH
(Fe) Geological Source Unknown																					
M-14	A. H. Grothues	1,800	July 8, 1946	-	-	-	-	-	-	116	181	84	-	-	-	-	-	278	-	-	
M-15	Juan Bustamante	116	July 9, 1946	-	-	-	-	-	-	1,160	140	1,660	-	-	-	-	-	-	-	-	
M-16	T. Casis	113	do.	-	-	-	-	-	-	392	801	548	-	0.2	-	-	-	930	-	-	
M-17	Carl Clark	112	do.	-	-	-	-	-	-	150	624	217	-	.2	-	-	-	555	-	-	
M-18	Bill Jimenez	32	do.	-	-	-	-	-	-	208	22	82	-	18	-	-	-	165	-	-	
M-20	H. James	35	do.	-	-	-	-	-	-	232	1,710	1,680	-	-	-	-	-	-	-	-	
M-22	B. Jonas	72	do.	-	-	-	-	-	-	68	533	229	-	3.2	-	-	-	525	-	-	
M-24	Wm. Scott	59	do.	-	-	-	-	-	-	144	60	158	-	4.2	-	-	-	225	-	-	
M-25	A. A. Koehler	60	do.	-	-	-	-	-	-	312	38	132	-	10	-	-	-	315	-	-	
N-2	Earl Delaney	-	Mar. 17, 1913	-	0.1	-	71	28	10	-	212	72	46	-	-	-	-	332	293	-	
N-2	do.	-	Mar. 4, 1949	13	-	-	61	28	14	-	236	64	26	-	.2	-	-	342	267	10	570
N-6	C. Verstuyft	1,532	July 19, 1946	-	-	-	-	-	-	131	75	26	-	-	-	-	-	150	-	-	
N-16	W. Tomasie	80	July 24, 1946	-	-	-	-	-	-	197	120	158	-	65	-	-	-	255	-	-	
N-18	Mrs. C. Walsh	150	do.	-	-	-	-	-	-	261	100	140	-	.0	-	-	-	345	-	-	
N-22	W. S. Willis	50	do.	-	-	-	-	-	-	353	75	30	-	.2	-	-	-	285	-	-	
N-24	Pedro Vasquez	81	July 18, 1946	-	-	-	-	-	-	144	100	38	-	2.0	-	-	-	240	-	-	
N-30	V. M. Wilhelm	80	July 11, 1946	-	-	-	-	-	-	294	220	302	-	2.0	-	-	-	315	-	-	
N-32	Hoffman Nursery	160	do.	-	-	-	-	-	-	360	462	117	-	.0	-	-	-	585	-	-	
N-36	F. A. Wagner	96	do.	-	-	-	-	-	-	330	120	93	-	13	-	-	-	420	-	-	
N-37	F. E. Jett	145	do.	-	-	-	-	-	-	506	509	395	-	4.2	-	-	-	630	-	-	
N-39	W. S. Klemcke	124	do.	-	-	-	-	-	-	235	95	184	-	.0	-	-	-	172	-	-	
O-48	C. A. Goeth	104	Feb. 7, 1912	-	.8	-	167	29	114	291	416	80	-	-	-	-	950	537	-	-	
O-52	C. C. Crumvine	46	July 12, 1946	-	-	-	-	-	-	(d)	1,750	320	-	.8	-	-	-	1,290	-	-	
O-58	Lloyd Wright	1,600	do.	-	-	-	-	-	-	366	2	908	-	4.7	-	-	-	180	-	-	

d Acidity 2.4 ppm. Expressed as H₂SO₄.

Analyses of water from wells in Bexar County-- Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in total (Fe)	Iron, solu- (Fe)	Magne- sium (Ca)	Sodium and potassium (Na + K)	Bicar- bonate fate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Ni- trate (NO ₃)	Phos- phate (PO ₄)	Boron (B)	Dissolved solids	Hard- ness as CaCO ₃	Per- cent solu- tion	Specific conductance (micromhos at 25°C)	pH
*N-38	Marshall Surtess	165	July 11, 1946	-	-	-	-	-	152	30	7.0	-	0.0	-	-	210	-	-	-	
N-51	W. W. Thiel	120	July 24, 1946	-	-	-	-	-	204	190	336	-	.5	-	-	518	-	-	-	
N-57	Mrs. E. Frees	70	do.	-	-	-	-	-	354	24	90	-	.2	-	-	262	-	-	-	
N-70	John Gayle	65	do.	-	-	-	-	-	106	50	108	-	156	-	-	270	-	-	-	
N-82	J. O. Lopez	148	July 25, 1946	-	-	-	-	-	540	830	374	-	18	-	-	1,020	-	-	-	
O-10	C. A. Goeth	150	June 28, 1913	-	-	-	-	-	395	861	322	-	-	-	-	970	-	-	-	
O-13	Frank Taylor	250	July 17, 1946	-	-	-	-	-	165	135	277	-	.5	-	-	375	-	-	-	
O-35	W. W. Qwentson	125	do.	-	-	-	-	-	214	270	130	-	.8	-	-	450	-	-	-	
O-43	H. A. Rothman	165	do.	-	-	-	-	-	278	473	211	-	3.8	-	-	345	-	-	-	
O-46	H. Alexander	340	July 18, 1946	-	-	-	-	-	362	583	185	-	3.2	-	-	450	-	-	-	
O-64	B. J. Steen	246	July 25, 1946	-	-	-	-	-	317	339	100	-	.0	-	-	540	-	-	-	
O-71	P. Friemel	100	do.	-	-	-	-	-	368	500	306	-	.0	-	-	885	-	-	-	
O-81	A. P. Heinen	207	do.	-	-	-	-	-	439	110	82	-	.2	-	-	300	-	-	-	
O-85	A. R. Loeffler	65	do.	-	-	-	-	-	296	50	86	-	1.2	-	-	270	-	-	-	
O-90	Mrs. A. Cunningham	180	do.	-	-	-	-	-	175	100	60	-	.0	-	-	240	-	-	-	
O-94	A. J. Weigand	39	do.	-	-	-	-	-	231	686	484	-	20	-	-	892	-	-	-	
O-96	B. Jensen	72	do.	-	-	-	-	-	392	125	86	-	.0	-	-	382	-	-	-	
O-101	G. L. Brown	80	do.	-	-	-	-	-	60	115	234	-	.0	-	-	360	-	-	-	
O-106	E. C. Deen	70	do.	-	-	-	-	-	27	70	60	-	3.0	-	-	105	-	-	-	
O-112	Pioneer Flour Mills	120	do.	-	-	-	-	-	120	65	42	-	.2	-	-	180	-	-	-	
O-118	Herman Niemann	140	Nov. 23, 1952	-	-	24	-	-	194	-	1,850	-	-	-	-	3,150	-	6,820	7.0	
O-119	East Central High School	223	July 15, 1953	-	-	-	-	-	287	-	560	-	-	-	-	1,730	-	3,320	7.0	
O-119	do.	223	Sept. 8, 1953	-	37	-	-	-	318	-	585	-	-	-	-	1,730	-	3,390	7.3	

IV-21

Rocks of Wilcox age

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron, total (Fe)	Iron, solu- (Fe)	Magne- sium (Ca)	Sodium and potassium (Na + K)	Bicar- bonate fate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Ni- trate (NO ₃)	Phos- phate (PO ₄)	Boron (B)	Dissolved solids	Hard- ness as CaCO ₃	Per- cent solu- tion	Specific conductance (micromhos at 25°C)	pH
*N-38	Marshall Surtess	165	July 11, 1946	-	-	-	-	-	152	30	7.0	-	0.0	-	-	210	-	-	-	
N-51	W. W. Thiel	120	July 24, 1946	-	-	-	-	-	204	190	336	-	.5	-	-	518	-	-	-	
N-57	Mrs. E. Frees	70	do.	-	-	-	-	-	354	24	90	-	.2	-	-	262	-	-	-	
N-70	John Gayle	65	do.	-	-	-	-	-	106	50	108	-	156	-	-	270	-	-	-	
N-82	J. O. Lopez	148	July 25, 1946	-	-	-	-	-	540	830	374	-	18	-	-	1,020	-	-	-	
O-10	C. A. Goeth	150	June 28, 1913	-	-	-	-	-	395	861	322	-	-	-	-	970	-	-	-	
O-13	Frank Taylor	250	July 17, 1946	-	-	-	-	-	165	135	277	-	.5	-	-	375	-	-	-	
O-35	W. W. Qwentson	125	do.	-	-	-	-	-	214	270	130	-	.8	-	-	450	-	-	-	
O-43	H. A. Rothman	165	do.	-	-	-	-	-	278	473	211	-	3.8	-	-	345	-	-	-	
O-46	H. Alexander	340	July 18, 1946	-	-	-	-	-	362	583	185	-	3.2	-	-	450	-	-	-	
O-64	B. J. Steen	246	July 25, 1946	-	-	-	-	-	317	339	100	-	.0	-	-	540	-	-	-	
O-71	P. Friemel	100	do.	-	-	-	-	-	368	500	306	-	.0	-	-	885	-	-	-	
O-81	A. P. Heinen	207	do.	-	-	-	-	-	439	110	82	-	.2	-	-	300	-	-	-	
O-85	A. R. Loeffler	65	do.	-	-	-	-	-	296	50	86	-	1.2	-	-	270	-	-	-	
O-90	Mrs. A. Cunningham	180	do.	-	-	-	-	-	175	100	60	-	.0	-	-	240	-	-	-	
O-94	A. J. Weigand	39	do.	-	-	-	-	-	231	686	484	-	20	-	-	892	-	-	-	
O-96	B. Jensen	72	do.	-	-	-	-	-	392	125	86	-	.0	-	-	382	-	-	-	
O-101	G. L. Brown	80	do.	-	-	-	-	-	60	115	234	-	.0	-	-	360	-	-	-	
O-106	E. C. Deen	70	do.	-	-	-	-	-	27	70	60	-	3.0	-	-	105	-	-	-	
O-112	Pioneer Flour Mills	120	do.	-	-	-	-	-	120	65	42	-	.2	-	-	180	-	-	-	
O-118	Herman Niemann	140	Nov. 23, 1952	-	-	24	-	-	194	-	1,850	-	-	-	-	3,150	-	6,820	7.0	
O-119	do.	223	July 15, 1953	-	-	-	-	-	287	-	560	-	-	-	-	1,730	-	3,320	7.0	
O-119	do.	223	Sept. 8, 1953	-	37	-	-	-	318	-	585	-	-	-	-	1,730	-	3,390	7.3	

* Doubtful geologic classification.

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH
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Rocks of Wilcox age

P-2	C. Schoenfeld	182	June 14, 1946	-	-	-	-	-	-	154	675	232	-	1.2	-	-	-	705	-	-	-
P-5	W. H. Terrell	65	July 19, 1946	-	-	-	-	-	-	82	50	61	-	.5	-	-	-	172	-	-	-
P-6	J. T. Salter	63	July 18, 1946	-	-	-	-	-	-	168	40	176	-	1.0	-	-	-	270	-	-	-
P-7	W. R. Miller	205	July 19, 1946	-	-	-	-	-	-	326	374	176	-	1.5	-	-	-	540	-	-	-

Glen Rose limestone

A-12	Oscar Brunner	220	July 30, 1951	-	-	-	-	-	-	212	9.9	12	-	5.5	-	-	-	195	-	589	8.1
B-3	Ralph E. Fair	874	July 26, 1946	-	-	-	-	-	-	283	22	14	-	1.2	-	-	-	285	-	-	IV-22
B-7	U.S. Government	241	Apr. 27, 1943	13	0.10	-	72	31	4.6	349	12	12	0.2	1.0	-	-	-	329	307	-	7.3
B-7	do.	241	July 10, 1950	14	.04	-	73	21	8.2	318	11	8.2	.1	3.2	-	-	-	296	268	-	533
B-8	do.	240	May 1943	7.4	.05	-	83	28	5.5	359	18	12	.6	3.8	-	-	-	356	322	-	-
B-28	do.	451	May 14, 1943	-	-	-	503	272	215	202	2,420	108	-	.0	-	-	3,950	2,370	-	-	-
B-30	do.	-	May 21, 1943	9.8	1.6	-	81	21	3.0	315	8.8	19	.4	.2	-	-	300	288	-	-	-
B-31	do.	380	Apr. 1943	12	.18	-	62	39	4.4	325	40	10	1.0	.2	-	-	346	315	-	-	-
B-31	do.	380	June 29, 1949	12	1.0	-	61	39	6.0	327	37	12	.8	.2	-	-	332	312	4	590	7.5
C-1	A. Friesenhahn	300	July 23, 1946	-	-	-	-	-	-	315	20	16	-	-	-	-	-	318	-	-	-
C-4	Otto Voges	185	July 24, 1946	-	-	-	-	-	-	178	14	13	-	16	-	-	-	248	-	-	-
C-9	E. C. Schope	410	July 23, 1946	-	-	-	-	-	-	186	11	16	-	8.0	-	-	-	248	-	-	-
D-15	F.H. Maltsberger	450	Apr. 8, 1954	12	-	-	170	186	34	301	958	12	-	2.5	-	-	1,520	1,190	6	1,880	7.1
D-16	R. W. Barham	216	May 21, 1934	-	-	-	-	-	-	252	12	12	-	-	-	-	-	219	-	-	-
D-34	Pete Martinez	333	July 30, 1951	14	-	-	324	267	12	277	1,610	21	-	.0	-	-	2,380	1,910	1	3,830	8.0

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium ($\text{Na} + \text{K}$)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Phosphate (PO_4)	Boron (B)	Dissolved solids	Hardness as CaCO_3	Percent sodium	Specific conductance (micromhos at 25°C)	pH
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Glen Rose limestone

E-1	U.S. Government Well 13	445	Apr. 1943	13	0.20	-	269	60	3.0	354	594	10	0.8	0.2	-	-	1,125	918	-	-	-
E-1	do.	445	June 24, 1953	13	.01	.20	222	51	4.6	360	443	11	.7	.2	-	-	970	764	1	1,280	7.3
E-2	U.S. Government Well 8	289	Aug. 10, 1943	9.0	.04	-	101	12	6.9	357	8.0	10	.2	1.2	-	-	330	302	-	-	7.4
E-2	do.	289	June 3, 1954	11	.00	.02	113	15	5.5	403	9.7	10	.2	1.2	-	-	378	344	3	647	7.5
E-3	U.S. Government Well 3	260	Apr. 28, 1943	14	.20	-	116	47	1.1	379	149	11	.9	2.5	-	-	576	483	-	-	-
E-3	do.	260	June 3, 1954	12	.03	.10	112	38	5.3	401	99	10	.6	.2	-	-	514	436	3	792	7.4
E-4	U.S. Government Well 5	291	Apr. 28, 1943	13	2.9	-	98	35	2.8	375	67	10	.9	1.0	-	-	417	388	-	-	-
E-18	McDonough Bros.	350	Oct. 13, 1913	-	0	-	-	-	-	327	215	20	-	-	-	-	-	268	-	-	-
E-18	do.	350	May 16, 1943	-	-	-	-	-	-	329	500	15	-	-	-	-	-	-	-	-	-
E-24	F. A. Talmadge	600	do.	-	-	-	-	-	-	328	95	15	-	-	-	-	-	-	-	-	-
E-31	Stower's Ranch	620	July 20, 1943	-	-	-	-	-	-	325	240	14	-	-	-	-	-	1,000	-	-	-

IV-23

Austin chalk

3	Mrs. R. E. McIlvaine	340	June 28, 1913	-	0	-	-	-	-	312	43	233	-	-	-	-	-	-	-	-	-
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Edwards and associated limestones

D-10	Clarence L. Galm	370	July 27, 1951	-	-	-	-	-	-	207	43	20	-	5.0	-	-	-	215	-	565	8.2
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Austin chalk

E-82	Wm. Lancaster	270	Oct. 13, 1913	-	0	-	-	-	-	208	42	20	-	-	-	-	-	156	-	-	-
F-25	A. B. Watson	500	June 30, 1946	-	-	-	-	-	-	342	65	41	-	25	-	-	-	345	-	-	-
F-56	Ed Pape	220	June 28, 1913	-	0	-	-	-	-	303	39	41	-	-	-	-	-	410	220	-	-
F-59	John Rence	190	Oct. 13, 1913	-	-	-	-	-	-	322	127	74	-	-	-	-	-	220	-	-	-

Analyses of water from wells in Bexar County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron in solution (Fe)	Iron, total (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Boron (B)	Dissolved solids	Hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH
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Austin chalk

F-60	W. M. Schroeder	400	Oct. 13, 1913	-	0	-	-	-	-	337	65	70	-	-	-	-	180	-	-	-	
F-61	San Antonio Portland Cement Co.	289	do.	-	1.8	-	-	-	-	327	87	216	-	-	-	-	790	222	-	-	
I-30	M. J. Schwager	297	do.	-	0	-	-	-	-	264	25	12	-	-	-	-	220	-	-	-	
I-32	H. Rittiman Estate	125	do.	-	0	-	-	-	-	264	42	20	-	-	-	-	350	212	-	-	
*J-85	City of San Antonio	720	Dec. 13, 1948	24	.00	-	50	14	13 0.4	176	35	19 0.4	2.5	-	0.14	244	182	14	425	7.9	
*N-28	E. M. Baker	1,330	July 28, 1950	19	-	-	416	151	277 -	178	1,220	570	3.2	.5	-	-	2,960	1,660	27	3,640	6.9

Carrizo sand

N-40	L. C. Akers	200	July 24, 1946	-	-	-	-	-	-	30	10	27	-	.2	-	-	-	75	-	-	-
O-88	Jesse Garcia	130	July 25, 1946	-	-	-	-	-	-	27	25	36	-	.0	-	-	-	48	-	-	-
P-20	R. X. Ball	228	do.	-	-	-	-	-	-	279	240	156	-	.0	-	-	-	330	-	-	-
P-24	Mrs. H. Michaelis	155	do.	-	-	-	-	-	-	232	260	106	-	4.0	-	-	-	285	-	-	-
Q-1	Osborn Sand Plant	240	do.	-	-	-	-	-	-	56	50	60	-	.0	-	-	-	75	-	-	-
Q-4	Mrs. Ida Sylvester	171	do.	-	-	-	-	-	-	74	10	38	-	14	-	-	-	120	-	-	-
R-5	Ben M. Brown	115	do.	-	-	-	-	-	-	-	50	112	-	.0	-	-	-	48	-	-	-

Buda limestone

H-64	A. E. Lieck	199	Feb. 15, 1951	12	-	-	143	7.4	11	409	41	24	-	.0	-	-	450	388	6	745	7.5
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Travis Peak formation

N-112	Earl Baker	4,518	Sept. 25, 1951	28	.07	1.3	186	56	619 35	320	956	580	2.4	.2	0.0	1.7	2,620	694	65	3,960	6.9
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* Doubtful geologic classification.

Partial analyses of water from wells and springs in Comal County, Tex.

[Results are in parts per million]

Well	Owner	Depth of well (feet)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K) (calculated)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calculated)
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Travis Peak formation

A1	T. J. Byler	930	Oct. 10, 1944					129	160	39		246
A4	Otto Schwope	300	Oct. 7, 1943	504	110	32	37	418	160	57	1.8	406
A5	H. B. Thompson	Spring	do	329	84	24	11	352	117	16	3.8	308
A5	do	Spring	Mar. 28, 1945					271	19	13	1.8	201
A7	Hugo Wunderlich	120	Oct. 6, 1943	589	115	25	55	355	128	59	132	390
A7	do	120	May 3, 1943	457				292	16	38	112	394
A8	do	142	Oct. 6, 1943	394	63	40	32	322	36	64	.2	322
A9	J. W. Heard	100	Dec. 9, 1938	360	118	16	1	470	16	11		360
A10	Mrs. R. J. Remler estate	184	do	329	21	38	55	311	42	20	0	208
A11	Ed Gass	140	do	174				116	26	27		
A13	Frich Specht	412	Nov. 20, 1936	105	20	12	5	445	35	19	0	97
A15	Wm. Neugebauer	163	do	445								
A16	Harry Knibbe	Spring	do	136	23	17	8	140	0	19	0	125
A17	Arno Knibbe	225	Dec. 10, 1936	512	85	26	66	214	93	137	0	321
A18	do	124	do	437	168	19		317	47	47	(?)	497
A19	D. L. Knibbe	120	do	340				183	103	28		
A20	Alfred Jonas	280	do	1,348	71	71	325	171	237	560	0	460
A22	J. L. Baretta	280	Dec. 9, 1938	168	23	24	6	122	28	27	(?)	155
A25	Alfred Gass	175	Nov. 20, 1936	598	43	47	108	171	138	178		299
A26	Wm. Specht	250	do	136	52	42		159	35	41	(?)	301
A27	Erich Specht	200	Nov. 27, 1936	394	27	44	60	262	71	63		247
A31	Ed. Bartels	80	Dec. 10, 1936	336				323	28	20		
A32	Albert Marek	380	Nov. 16, 1936	339	115	9	8	403	0	9		326
A33	Alfred Beierle	157	Nov. 20, 1936	148	11	1	50	134	0	20		30
A35	Mrs. John Stricker	200	Nov. 19, 1936	230	51	25	6	268	0	16	0	230
B12	H. Fischer	327	Nov. 4, 1936	178				148	20	19		
B14	Willard Hill	410	Jan. 20, 1944					324	146	20	1.0	
B27	W. D. Hill	120	Dec. 9, 1936	196				153	28	20		
B28	Ed. Kaderli	112	do	193	27	24	14	183	20	18		165
B46	Henry Pantermuehl	300	Nov. 4, 1936	1,557				317	870	41		
B47	Theo. Kraft	428	Nov. 3, 1936	504	72	57	32	378	138	19		412
D4	Herman Laubach	750	Nov. 30, 1936	486	39	71	26	226	209	30		389
D4	do	750	May 11, 1945	724	116	49	28	388	121	47	47	491
E1	Alfred Wehe	350	Nov. 21, 1936	237	70	20		98	35	64	(?)	257
E3	Joe E. Sheldon	450	Nov. 2, 1936	203				220	0	15		
E40	Walter Schaeffer	816	Jan. 22, 1945					328	1210	17		258

Lower member of the Glen Rose limestone

A2	Fred and Richard Schaefer	Spring	Dec. 10, 1936	141	36	10	6	146	0	17	(?)	132
A12	H. C. Plumly	Spring	Nov. 20, 1936	121	26	12	6	122	0	17	0	122
A12	do	Spring	Mar. 28, 1945					308	19	14	8.2	212
A14	Frich Specht	75	Nov. 20, 1936	110				98	0	19		
A21	Edwin Elbel	100	Dec. 9, 1936	190				165	16	21		
A23	J. W. Heard	244	Dec. 21, 1944					284	11	18		246
A28	— Weidner	Spring	July 19, 1944	322	107	7.8	9.0	352	14	16	4.5	299
A29	Wm. Gast	115	Nov. 27, 1936	102				92	0	17		
A34	Roland Benzil	108	Jan. 26, 1937	323				250	24	54		
A36	Julius Bremer	185	Nov. 25, 1936	302	54	49		372	0	16	0	335
B1	Adolph Preiss	121	Oct. 4, 1944					148	7	12		249
B2	C. L. Meserole	220	Nov. 13, 1936	227				250	0	14		
B3	do	5	do	251	76	17	0	290	0	15	0	2260
B4	do	217	do	250	56	24	11	293	0	15		237
B4	do	217	Dec. 14, 1944					338	3	10		294
B6	Eddie Pape	89	Oct. 10, 1944					169	11	11		
B7	W. O. Fischer	218	Dec. 31, 1936	293				323	0	18	0	
B8	H. Pantermuehl	275	Nov. 4, 1936	276				244	39	13		
B10	R. O. Fischer	Spring	Dec. 31, 1936	301	101	9	6	342	0	17		291
B11	Emil Doell	300	do	166				134	12	25	0	
B13	E. Kaderli	265	Oct. — 1943	612	102	37	67	381	181	37	0.2	406
B15	H. C. Nelson	300	Nov. 13, 1936	176	46	10	10	183	0	20		157
B15	do	325	Oct. — 1943	287	66	32	4.1	349	1	12	0.2	296
B16	Otto Treuer	350	Dec. 4, 1936	389	60	57		230	114	35	(?)	385
B17	do	Spring	Dec. 31, 1936	177	41	9	15	159	16	18		140
B19	John A. Schlaemus	220	Dec. 8, 1936	290				195	71	19	0	
B20	W. H. Stanley	385	Dec. 31, 1936	295	32	42	22	275	42	22		251
B21	do	320	Dec. 8, 1936	431	63	55	21	378	83	23	0	384
B22	Tom Summers	325	do	455	42	73	18	329	138	22	0	
B23	do	374	Oct. 30, 1944	820	77	106	26	420	305	16	0	628
B24	Carroll Hall	Spring	Nov. 4, 1936	228	74	13	0	256	0	15		238
B25	do	240	do	258	65	14	17	256	16	20	0	218
B26	D. C. McIver	Spring	Nov. 10, 1944	274	72	11	2.8	239	11	14	4.6	224
B29	J. D. Nixon	Spring	Nov. 13, 1936	323	94	19	9	372	0	18	0	312
B30	Frank Gunther	169	Nov. 4, 1936	166	25	23	7	165	16	14		155
B31	Mrs. T. P. Shelly	350	Nov. 9, 1944	483	88	41	9.0	390	66	14	0	388
B34	Max Linartz	228	Nov. 3, 1936	446	68	49	27	329	103	37		370
B36	State of Texas	Spring	Aug. 1944	338	98	16	9.0	340	14	16	18	310
B39	A. J. Monier	297	Dec. 21, 1944					324	14	12		
B40	do	249	Dec. 15, 1936	335				329	26	18	0	
B41	do	20	do	154				146	0	22		
B42	do	50	do	289				311	0	22		
B43	Mrs. D. N. Riegler	260	Nov. 13, 1936	338				372	0	21		
B44	J. M. Block	175	Dec. 31, 1936	144				92	20	26		
B45	Miss Elise Lenhlfing	102	Jan. 31, 1945	322				314	10	10		
B48	Otto Krause	221	Sept. 29, 1944					245	12,200±	10	0.2	304
B50	O. C. Trout	108	Feb. 1, 1945	333				313	120	9.0	1.2	314

See footnotes at end of table.

Partial analyses of water from wells and springs in Comal County, Tex.—Continued

[Results are in parts per million]

Well	Owner	Depth of well (feet)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K) (calculated)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calculated)
Lower member of the Glen Rose limestone—Continued												
B51	H. W. Kraft Estate	69	Nov. 13, 1936	218				232	0	18		
B52	do	Spring	Nov. 16, 1936	265	70	19	7	275	16	18	0	252
B53	M. Leaghling	Spring	Nov. 5, 1936	174				165	10	16		
C3	H. E. Nessly	154	Dec. 8, 1944	2,140	326	220	17	360	1,380	17	0	1,720
C8	Miss Carrie George	100	do					277	¹ 350±	13		² 1,130
D1	E. A. Moos	96	Dec. 7, 1936	391				415	12	22		
D2	Eugene Scheel	280	do	131				122	0	20	0	
D5	E. A. Laubach	350	do	164	24	26	3	171	12	15	0	166
D6	do	25	do	139				92	24	19		
D7	Mrs. Chas. Erben	235	do	200				171	26	15	0	
D8	George Bros.	216	Dec. 23, 1936	328				354	8	17	0	
D9	F. Neugebauer	300	Dec. 7, 1936	158	19	23	10	159	12	16		144
D10	Joseph Offer	200	Dec. 23, 1936	357	85	26	17	366	32	17	0	321
D11	Mrs. Emma Sauer	218	do	222				226	12	13	0	
D13	G. S. McFarland	300	do	261	51	24	18	275	20	13	0	225
D14	Bruno Klar	25	do	313				354	0	15		
D15	Mrs. C. L. Ellsworth	217	do	151				134	16	12	0	
D16	Aug. Scholz estate	265	Nov. 30, 1936	226	32	31	12	238	20	14		209
D18	do	238	do	165				177	0	13	0	
E2	Ed. Kuebel	210	Nov. 16, 1936	194				195	0	22		
E4	Joe S. Sheldon	344	Sept. 23, 1943	355				353	¹ 36	17	9.0	340
E6	A. J. Walser	85	Nov. 2, 1936	224	72	39	8.5	183	24	26		
E8	R. P. Holt	620	Dec. 11, 1936	2,608	346	201	179	232	1,642	126	0	1,689
E9	J. J. Arrechea	300	Nov. 16, 1936	214	66	7	10	244	0	11		194
E10	George Fronne	185	Dec. 10, 1936	263				220	32	24		
E11	J. A. Laubach	25	Nov. 27, 1936	217				238	0	14		
E12	do	60	do	298				232	28	44		
E13	O. Wehe	350	do	142	12	18	21	153	0	16		101
E14	L. A. Allen	480	Nov. 21, 1936	173	45	18		85	24	44	(?)	186
E15	Alex P. Scheel	350	Dec. 7, 1936	293	83	23	1	342	0	18	0	304
E18	Aug. Scheel	15	do	385				390	24	20		
E19	do	318	do	360				342	28	26	(?)	
E21	O. Wehe	110	Nov. 27, 1936	112				110	0	14		
E22	V. F. Moos	320	do	281	78	18	14	293	20	12		248
E24	Mrs. Mattie Shelburne	248	Nov. 16, 1936	302				342	0	14	0	
E26	Alex Licata	380	Dec. 11, 1936	200	62	18	0	220	0	12		232
E27	O. A. Doeppenschmidt	446	Jan. 26, 1937	368	52	57	8	378	53	12	0	365
E29	Ed. Adam	600	Dec. 11, 1936	481	97	45	10	329	150	17	0	428
E30	W. E. Green	635	do	314	77	24	12	336	24	12	0	290
E31	Milton Y. Jones	437	May 30, 1945					335	¹ 8	10		² 195
E32	G. W. Kurz	348	Dec. 11, 1936	138	30	13	7	146	0	16	0	128
E33	Edgar Bremer	100	Nov. 21, 1936	111				98	0	20		
E34	Mrs. M. K. Hohman	315	Nov. 30, 1936	240	36	30	13	226	36	14		213
E35	Paul Kurz	300	do	334				336	24	16	0	
E36	Mrs. M. K. Hohman	Spring	do	265	86	10	6	305	0	13	0	236
E37	do	30	do	113				110	0	15		
E38	Arthur Hitzfelder	414	Dec. 15, 1936	312				281	36	20	0	
E39	Benno Boze	348	Dec. 11, 1936	235	69	17	1	268	0	16	0	240
E41	Clemens Scholz	245	do	219	18	36	16	220	28	13	0	192
E42	Elmer Kleck	450	Dec. 15, 1936	574	117	46	19	348	195	26	0	
E43	Mrs. Anita Lux	320	do	169				140	24	13	0	
E44	Aug. Wehe	375	Nov. 12, 1936	357				305	39	33		
E49	Aug. Scholz	336	Nov. 27, 1936	278	74	21	3	244	19	41	0	272
E53	Richard Hitzfelder	630	Jan. 22, 1945	278				334	¹ 3	10		² 264
F9	O. A. Doeppenschmidt	615	Nov. 2, 1936	742	151	62	11	336	323	15		633
F22	Tian	630	Feb. 28, 1945					314	¹ 28	97	0	435
F37	Melvin Westerfer	507	Sept. 19, 1944					282	¹ 400±	12	0	
G55		1,200	Aug. 20, 1941	4,170	390	220	737	319	1,467	1,200		1,878
Upper member of the Glen Rose limestone												
B32	D. R. Semmes	Spring	Dec. 31, 1936	187	30	21	13	189	16	14	0	163
B33	do	110	do	223	55	24	0	256	0	18		235
B54	E. S. Schroeder	60	Nov. 22, 1944					380	¹ 28	16		² 246
C1	George Faber	250	Dec. 8, 1936	227	34	36		207	40	15	0	232
C2	H. E. Nessly	101	Dec. 8, 1944	372	61	50	3.4	370	43	12	0.2	358
C4	do	101	Nov. 9, 1944					338	¹ 320	14		² 606
C5	George Faber	455	Nov. 26, 1944					336	¹ 24	10		² 172
C7	C. B. Crawford	256	Dec. 14, 1944					242	¹ 12	15		² 312
C9	V. and C. D. Prassel	170	Nov. 3, 1936	777				293	366	12		
C10	C. B. Crawford	200	Dec. 14, 1944					250	¹ 55	10		² 294
C14	Udo Haarman and R. Wright	640	Dec. 14, 1944					264	¹ 2	8.0		² 234
E41	Clemens Scholz	245	Dec. 11, 1936	219	18	36	16	220	28	13	0	192
E52	Adam Myer Est.	90	Nov. 15, 1936	348	144	4		268	0	68	(?)	378
E54	Otto Hitzfelder	Spring	Nov. 11, 1936	297	95	10	9	342	10	15	0	281
E55	do	15	do	180				171	12	15		
E56	do	381	Nov. 12, 1936	911				67	590	13		
E57	Tian	+200	do	143	51	10		159	0	4	(?)	171
E58	do	1,277	do					299	716	11		
F7	H. Conrads	180	Jan. 26, 1937	414				384	28	38		
F8	O. A. Doeppenschmidt	Nov. 2, 1936	394					390	28	22		
F11	B. Stapper	480	do	634	98	75	7	287	299	14		551
F17	E. Herbst	425	Jan. 25, 1937	264	56	30	5	287	18	14	0	263
F18	Robert Heimer	178	Nov. 2, 1936	230	58	23	2	281	0	9		239
F20	H. Conrads	208	Jan. 26, 1937	400	72	49	12	390	55	20	(?)	380
F20	do	208	Apr. 6, 1945	298	59	33	6.2	330	¹ 7	12	1.5	282
F23	E. J. Heidrick	350	Apr. 28, 1945	463				233	66	23	77	354
F35	A. Kabelmacher	475	Nov. 9, 1936	222				189	35	11		
F36	Wm. Zeucher	535	Nov. 12, 1936	593	122	48	10	293	260	9		501
F43	Hilmar Doehe	265	Jan. 18, 1937	180	35	15	13	171	20	13	0	150
* G5	Udo Haarman and R. Wright	440	Dec. 15, 1944					280	¹ 2	19		² 300

Partial analyses of water from wells and springs in Comal County, Tex.—Continued

[Results are in parts per million]

Well	Owner	Depth of well (feet)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K) (calculated)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calculated)
Edwards limestone (may include Comanche Peak in some wells)												
C6	C. B. Crawford	290	Nov. 3, 1936	303				305	24	12		
E59	Ed Reeh	325	Dec. 1, 1936	49				12	0	25	(*)	
F4	H. Conrads	Spring	Nov. 5, 1936	172	27	26	5	201	0	15		
F5	Bear Creek Ranch Association	Spring	Sept. 29, 1943	294	80	21	5.8	325	18	14	5.2	286
F14	H. D. Stromberg	Spring	Nov. 5, 1936	232	45	25	13	275	0	14		216
F15	Alwin Jahnz	300	Jan. 18, 1937	195	48	21		232	0	12	0	208
F24	Paul Dietz	300	Nov. 5, 1936	237	52	31		293	0	10	(*)	259
F25	Jerome Schumann	365	Jan. 18, 1937	261	64	28	2	317	0	11	0	272
F26	F. D. Hutcheson	251	Dec. 21, 1936	291				311	12	12	0	
F27	Henry Heise	290	do	304	91	16	6	336	12	14	0	295
F28	Herman Borcher	300	Oct. 28, 1936	223	69	18		256	0	15		246
F30	B. Borchers	402	Nov. 2, 1936	183				183	0	21		
F33	H. W. Dietz	314	Dec. 4, 1944	414	106	76	23	260	14	21	124	296
F38	Paul Tonne	320	Nov. 9, 1936	239	59	17	14	281	0	11		215
F39	Otto Uhlrich	265	do	298				348	0	8		
F40	do	350	do	741	212	29		329	295	43	(*)	648
F41	Krueger Bros	250	Jan. 25, 1937	296	94	11	4	281	22	27	0	282
F42	Gus Vogel	325	Dec. 20, 1936	285	85	18	1	311	16	12	0	286
F44	Walter Kabelmacher	242	Sept. 15, 1944					330	13	14	73	* 420
F46	Ed. C. Heidrich	340	Oct. 27, 1936	120	35	8		122	0	16	(*)	120
F47	Edward Nowothy	325	Dec. 22, 1936	240	59	16	12	250	16	14	0	215
F48	Hilmar Staats	450	do	253	47	26	13	244	32	15	0	226
F49	Richard Gesche	313	Dec. 16, 1936	345	141	9		329	0	33	(*)	391
F50	Henry Ludwig	375	Jan. 21, 1937	329	111	10	6	390	0	10	0	320
F52	Chas. Wuest	320	May 10, 1945	480	117	20	2.8	314	16	35	83	374
F55	Herman Vogel	300	Jan. 21, 1937	235	80	7	3	244	0	25	0	229
F56	Herbert Kreisler	300	Nov. 24, 1936	198				214	0	15	0	
F57	Rubin Moeller	330	Jan. 21, 1937	280	119	8		73	51	66	(*)	305
F58	Mrs. Wm. Hillert	390	Nov. 9, 1936	212				238	0	11		
F59	R. J. Haug	50	Oct. 27, 1936	516				500	35	36		
F60	do	420	do	331	81	24	13	317	31	26		
F61	O. C. Brehmer	304	Dec. 1, 1936	139				116	0	28	(*)	300
F62	R. R. Coreth	275	Dec. 15, 1936	288	99	9	3	336	0	12	0	286
F63	U. S. Gypsum Co.	125	Dec. 4, 1936	262	50	18	25	244	32	17		202
* F64	Charles Meigle	611	Sept. 16, 1941	540	43	26	109	288	94	83	0	214
F64	do	611	Dec. —, 1944					502	185	345		* 260
F65	W. E. F. Elfers	240	Oct. 27, 1936	302	11	24	78	299	24	18		125
F66	Harry Dauer	300	Dec. 6, 1944					218	140	15		* 249
F67	Wm. Fey	89	Dec. 5, 1936	169				183	0	12		
F68	Schaeffer Bros	255	Dec. 18, 1936	318	118	7		372	0	10	0	324
F70	Eugene Krause	288	Oct. 26, 1936	130	34	6	5	79	31	15		108
G1	Jesse Posey	280	Dec. 15, 1944					172	165	11		* 228
G2	F. T. Lackey	500	Nov. 3, 1936	234	64	19	3	281	0	10		237
G7	Udo Haarman and R. Wright	333	Dec. 15, 1944					248	14	10		* 282
G8	Albert Pfeuffer	400	Nov. 3, 1936	279	83	18	3	329	0	13		281
G12	Hilmar Doebele	250	Jan. 5, 1937	564				268	162	73	0	
G13	Wm. Posey	160	Oct. 21, 1936	697	79	55	94	311	197	119		424
G14	Erich Rosenthal	212	Jan. 5, 1937	310				287	32	19	0	
G15	do	230	do	380	76	21	38	305	65	30	0	278
G16	Edward Lackey	440	Dec. 15, 1944					242	13	12		* 294
G18	R. W. Gode	Spring	June 24, 1941	322	97	11	13	334	11	16	9.8	287
G18	do	Spring	Aug. 13, 1941					334	11	12		
G18	do	Spring	Sept. 16, 1941	320	102	14	1.6	334	13	13	12	312
G18	do	Spring	Jan. 22, 1944	335	109	13	2.5	358	19	13	12	326
G18	do	Spring	Sept. 14, 1944	291	88	9.8	.7	282	6.7	12	8.0	260
G18	do	Spring	Oct. 9, 1944		107	16						333
G18	do	Spring	Nov. 22, 1944		98	12						294
G18	do	Spring	Dec. 5, 1944		76	18						264
G18	do	Spring	Dec. 7, 1944		100	16						316
G18	do	Spring	Jan. 22, 1945		96	9.6						279
G18	do	Spring	Feb. 14, 1945		109	12					11	322
G18	do	Spring	Mar. 5, 1945		99	10						328
G18	do	Spring	Mar. 23, 1945		107	10						308
G18	do	Spring	Apr. 1, 1945		98	10						286
G18	do	Spring	Apr. 27, 1945		112	14						337
G18	do	Spring	May 31, 1945		79	14						254
G18	do	Spring	July 5, 1945		86	14						272
G18	do	Spring	July 9, 1945		64	15						221
G18	do	Spring	Sept. 13, 1945		102	20						336
G18	do	Spring	Oct. 19, 1945		93	12						282
G18	do	Spring	do	317	89	11	2.8	294	18	10	12	267
G18	do	Spring	Nov. 23, 1945		104	16						326
G20	Jack Kretzmeyer	168	Oct. 22, 1936	303	82	19	10	317	20	16		282
G21	Alvin Kraft	138	Oct. 21, 1936	233	60	19	12	256	20	16		227
G22	C. Conrads	145	Oct. 20, 1936	319	73	25	15	311	35	18		285
G23	Chas. Soechting	210	Jan. 5, 1937	714				354	213	78	0	
G25	O. E. Gruene	210	Oct. 20, 1936	856	112	59	98	159	307	202		521
G26	Emil Preusser	330	do	981	24	29	289	201	326	214	0	178
G27	Brund Raabe	175	Dec. 30, 1936	303	33	17	6	293	26	17		
G28	Albert Hantmann	175	Oct. 22, 1936	162				207	12	12	(*)	
G30	L. S. Davis	320	Dec. 21, 1936	206				207	12	12		298
G31	W. H. Harborth estate	265	Oct. 28, 1936	421	86	20	35	207	130	48		270
G32	Wm. Kraft	190	do	266	83	15		268	12	24	(*)	
G33	Albert Simon	186	Dec. 21, 1936	286				305	12	12		
G34	Albert Wallhoeffer	140	Dec. 30, 1936	309				293	30	17		
G44	Wm. D. Wiemers	80	do	287	68	15	21	268	32	19		234
G46	City of New Braunfels	116	Dec. 4, 1943	281	73	17	6.7	263	24	14	5.8	252
G47	do	102	do	283	73	17	5.5	261	24	13	5.5	252
G50	do	Spring	Nov. 22, 1944		102	13						308

See footnotes at end of table.

Partial analyses of water from wells and springs in Comal County, Tex.—Continued

(Results are in parts per million)

Well	Owner	Depth of well (feet)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K) (calculated)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calculated)
Edwards limestone (may include Comanche Peak in some wells)—Continued												
G50	City of New Braunfels	Spring	Jan. 22, 1945		74	17						254
G50	do	Spring	Feb. 14, 1945		82	18						278
G50	do	Spring	Mar. 5, 1945		72	17						250
G50	do	Spring	Mar. 23, 1945		78	18						268
G50	do	Spring	Apr. 28, 1945		43	18						182
G50	do	Spring	May 31, 1945		75	18						261
G50	do	Spring	July 6, 1945		75	16						253
G50	do	Spring	Sept. 13, 1945	292	76	18	2.8	274	20		5.6	264
G50	do	Spring	Oct. 9, 1945		76	19						268
G50	do	Spring	Oct. 18, 1945		50	16						191
G50	do	Spring	Nov. 23, 1945		80	19						278
G50	do	Spring	Sept. 13, 1945		253	56	19	15	244	26	17	219
G50	do	Spring	Oct. 27, 1945		267	75	17	3.3	266	23	13	5.0
G50	do	Spring	April 10, 1938	271	63	17		272	23	12	3.7	227
G50	do	Spring	June 24, 1941					272	23	11		
G50	do	Spring	Aug. 13, 1941		280	73	17	28	264	24	12	4.4
G50	do	Spring	Sept. 16, 1941		288	70	17	11	274	22	12	4.0
G50	do	Spring	Oct. 2, 1942		280	78	17	5.5	280	23	13	5.5
G50	do	Spring	Jan. 22, 1944	287	74	15	9.2	270	23	12	5.5	250
G50	do	Spring	Sept. 14, 1944		86	23						309
G50	do	Spring	Oct. 11, 1944		81	22						292
G52	R. R. Coreth	290	Dec. 16, 1936	304				311	20	13	0	
G54	Mrs Meta Penshorn	25	Dec. 22, 1936	285				268	28	16		
G55	Ad. Tausch		Jan. 6, 1937	281				262	32	13		
G57	Albert Soefje	57	Oct. 20, 1936	386				403	0	36		
G61	A. H. Hoffer	24	Nov. 18, 1936	234				268	0	9		
G63	Altgelt Farm Association	335	Dec. 20, 1943	265	74	17	3.9	266	122	14	3.2	254
G65	Max Altgelt	345	Dec. 4, 1936	203				128	47	20	0	
G67	Walter Sippel	502	Jan. 22, 1944	360	56	33	33	256	58	54	.2	276
G68	Arthur Bergfeld		Dec. 3, 1943	370	66	32	27	262	59	56	.5	296
G69	Edwin Soefje	427	Jan. 6, 1937	3,852	334	209	701	207	1,306	1,200	(*)	1,604
G75	Paul Schneider	503	Dec. 4, 1936	368	27	33	57	220	75	63		224
G77	L. Jentsch	485	Oct. 26, 1936	1,647	114	107	322	207	422	580		726
G78	Ernst Voight	510	Oct. 26, 1936	1,148	119	72	194	354	287	302		594
H1	Gus Reinartz	500	Dec. 4, 1936	1,983	156	117	387	281	505	680		872
H2	F. A. Burkett	450	Oct. 26, 1936	1,957	166	110	380	348	500	630		868
H3	Hanno Welsch	542	Jan. 6, 1937	1,019	132	33	193	348	245	245	0	466
H4	Erwin R. Goebel	498	do	2,300	246	136	390	293	574	820	(*)	1,148
H5	Otto Reinartz	463	Dec. 3, 1936	101	29	2	9	110	0	7		81
H6	A. W. Feick	700	Oct. 26, 1936	425	58	36	54	293	47	86		292
H7	Roland Welsch	372	Dec. 4, 1936	314	49	25	37	281	43	22		226
H8	Oscar Jonas	360	Dec. 18, 1936	296				281	26	19	0	
H9	Adolph Mueller	160	do	181				140	26	19		
H12	Ed Rech	390	Dec. 1, 1936	142				153	0	11	0	
H13	Ernst George		Dec. 17, 1936	143				159	0	8		
H14	Edw. Gerhardt Est	326	do	241				275	0	10	0	
H16	Servtex Materials Co.	125	Dec. 19, 1936	256	79	14	4	299	0	12		254
H17	Westley Hier Holzer	117	do	344	88	13	64	311	12	14		273
H18	Joseph Friesenhahn	360	Dec. 18, 1936	412				200	103	55	0	
H20	Wm. Schaefer	300	Dec. 3, 1936	233	33	28	16	195	32	28		198
H21	Alvin Schaefer	360	Dec. 16, 1936	758	58	66	136	360	99	222	0	416
H22	Ben Jahn	395	Dec. 18, 1936	1,020	82	75	190	378	197	290	0	512
H23	O. Penshorn	428	Dec. 3, 1936	2,081	339	84	223	79	971	425		1,192
H24	Wm. Strateman		Jan. 6, 1937	1,576				226	375	550		
H28	Percy Hansman	350	Dec. 3, 1936	617	72	57	85	439	63	124		416
H29	Servtex Materials Co.	160	Sept. 19, 1944	282	82	12	5.8	290	7.7	11	6.8	254
H30	Glen Wilson		Dec. 19, 1936	448				323	75	49		
H31	Lena Binzell Est	240	Dec. 17, 1936	243				281	0	8	0	
H32	Lvine Hoffman	215	do	136				146	0	10		
H35	Henry W. Simon	246	do	266	83	17	0	293	8	14	0	
H37	A. B. Burkhardt	250	Oct. 26, 1936	278				299	12	10		
H38	Eggo Burkhardt	180	Nov. 24, 1936	265				293	0	16	0	
H40	R. R. Schneider	192	Oct. 26, 1936	278	80	12	33	250	20	30		
H41	Otto Klaerner	109	do	260				293	0	13		
H43	Jack Alesci	400	Nov. 24, 1936	305	102	7	3	232	31	48		
H44	— Rogers	225	Dec. 17, 1936	336				232	49	49	(*)	284
H46	Walter Mueller	476	Nov. 24, 1936	194	30	19	14	122	51	20		152
H47	Herbert Riedel	306	Dec. 17, 1936	321	85	15	16	281	40	27	0	275
H48	Joe Sleitz	310	Dec. 12, 1936	298				232	42	31	0	

Austin chalk

G9	Phoenix Life Insurance Co.	145	Oct. 21, 1936	648	111	32	77	275	169	124		410
G10	Travis Tate	152	Jan. 6, 1937	573	99	37	58	305	130	99	0	398
G11	Missouri Pacific R. R.	140	Dec. 22, 1944	394	109	11		319	35	20	17	317
G64	Altgelt Farm Association	Spring	Dec. 4, 1936	270				171	71	19		
G64	do	Spring	Aug. 20, 1941	298	72	19	30	269	27	15	3.0	208
G64	do	Spring	Dec. 20, 1943	260	72	18	3.2	268	17	15	2.8	254
G66	A. H. Werner	148	Dec. 4, 1936	553				329	130	63		
H19	Bruno Schwab	150	Dec. 18, 1936	368				287	40	49		
H25	Gus Klaener	131	Dec. 4, 1936	2,230				128	908	530		
H27	Albert Richner	130	Dec. 1, 1936	547				85	170	151		
H40	Joe Gleitz	200	Dec. 12, 1936	225				165	39	22	0	

See footnotes at end of table.

Partial analyses of water from wells and springs in Comal County, Tex.—Continued

[Results are in parts per million]

Well	Owner	Depth of well (feet)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na+K) (calculated)	Bicarbonate (HCO_3^-)	Sulfate (SO_4^{2-})	Chloride (Cl)	Nitrate (NO_3^-)	Total hardness as $CaCO_3$ (calculated)
Taylor marl												
G37	Carl Kutscher Est.	50	Oct. 21, 1936	680				458	98	106		
G39	H. Kickeritz	36	Nov. 18, 1936	792	132	33	104	354	248	101		469
G62	Max Walther	31	Oct. 27, 1936	329				323	24	19		
H26	Fred Schwab	38	Dec. 16, 1936	604	91	22	106	390	118	75		319
Leona formation												
G35	Arthur Bartels	65	Oct. 22, 1936	352				256	0	91		
G36	H. Mittendorf	32	Oct. 21, 1936	228	78	6	5	256	0	13		218
G40	Mrs. Ildia Kirmse	65	Dec. 3, 1943	467	112	10	40	302	18	52	96	320
G42	Iwan Wallhoefer	Spring	Dec. 30, 1936	260	94	7		232	24	21	0	264
G55	Ad. Tausch		Jan. 6, 1937	281				262	32	13		
G57	Albert Soefji	57	Oct. 20, 1943	386				403	0	35		
G57	do	57	Dec. 3, 1943					270	14	72		165
G58	Emma Rose	32	Nov. 18, 1936	519				268	59		138	
G60	August Timmerman	50	do	238				256	0	0		
G60	do	50	Dec. 3, 1943					240	10	21	90	
G61	A. H. Hoffer	24	Nov. 18, 1936	234				268	0	9		
G70	R. Kraft	40	do	239				250	0	0		
G71	E. W. Mueller	35	Oct. 10, 1936	163				134	0	34		
G72	Mrs. H. Oelkers	40	do	257				250	0	34		
G73	D. Werner	30	do	291	106	6		244	35	24	(¹)	288
G74	W. C. Startz	27	Dec. 3, 1943					272	20	15	82	
H33	Henry Schmidt	50	Dec. 17, 1936	217	93	2		146	8	32	(¹)	241

¹ Turbidity.² Hardness determined by soap method.³ Nitrate less than 20 parts per million.⁴ Doubtful geologic classification.⁵ Sulfate less than 10 parts per million.⁶ Fluoride 0.5 ppm.⁷ Fluoride 0.2 ppm.⁸ Fluoride 0.1 ppm.⁹ Fluoride 0.4 ppm.

Analyses of water from wells and springs in Hays County, Tex.
(Analyses given are in parts per million except specific conductance, pH, and percent sodium)

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium ($\text{Na} + \text{K}$)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total dissolved solids as CaCO_3	Percent sodium	Specific conductance (micromhos at 25°C)	pH	
C-1	J. C. Crisp	Spring	Aug. 26, 1952	9.8	-	83	31	6.7	368	25	1.4	0.4	1.2	356	334	4	642	7.9
C-10	G. J. Contois	Spring	Nov. 2, 1937	-	-	75	5.0	6.0	201	36	1.4	-	a	235	208	-	"	"
C-13	-- Nicholson	Spring	Jan. 20, 1954	16	-	86	30	18	317	19	3.4	0	60	4.9	338	10	710	7.8
C-15	Steiner & Garnett	240	Oct. 30, 1937	-	-	-	-	-	268	29	18	-	a	-	-	-	-	-
C-16	D. H. Strauss	390	Nov. 1, 1937	-	-	103	47	18	409	1.16	19	-	a	504	443	-	-	-
C-18	Mrs. D. M. Weeks	Spring	Oct. 26, 1937	-	-	-	-	-	250	11	16	-	a	-	-	-	-	-
C-19	do.	90	do.	-	-	34	9.0	6.0	122	11	16	-	a	136	120	-	-	-
C-20	J. J. Ploch	292	Nov. 1, 1937	-	-	-	-	-	293	32	20	-	a	-	-	-	-	-
C-21	George Rust	172	Nov. 15, 1937	-	-	110	11	13	360	12	20	-	a	361	322	-	-	-
C-22	do.	470	do.	-	-	54	26	20	268	18	24	-	a	288	241	-	-	-
C-23	J. N. Byler	810	Nov. 2, 1937	-	-	-	-	-	293	43	16	-	a	-	-	-	-	-
C-26	Norco Ranch	Spring	Feb. 23, 1938	-	-	126	10	14	397	18	23	-	a	398	356	-	-	-
C-27	-- Norrhouser	220	June 14, 1952	-	-	50	19	54	342	18	12	-	5.5	327	203	-	-	-
C-29	Mrs. W. W. Burnett	62	do.	-	-	75	32	6.9	326	45	11	-	5.0	336	318	-	-	-
C-32	T. J. Burnett	175	June 13, 1942	-	-	51	39	17	324	31	19	-	0	317	288	-	-	-
D-1	Allie Mae Malott	537	Jan. 20, 1954	12	.02	70	79	38	455	1.60	24	3.0	.5	641	500	14	1,000	7.5
D-2	Jack Duncan	77	Nov. 2, 1937	-	-	-	-	-	317	28	34	-	a	-	-	-	-	-
D-6	W. I. Kuykendall	200	--	-	-	100	18	17	329	30	19	-	44	390	326	-	-	-
D-8	A. A. Elsner	311	Nov. 17, 1937	-	-	109	28	12	281	1.55	26	-	a	458	387	-	-	-
D-10	Paul Garnett	168	do.	-	-	66	26	14	244	61	26	-	a	313	271	-	-	-
D-11	John Gauthen	185	Nov. 5, 1937	-	-	-	-	-	183	74	18	-	a	-	-	-	-	-
D-15	Mrs. Chas. Howard	116	Nov. 16, 1937	-	-	-	-	-	403	1.80	24	-	a	-	-	-	-	-
D-21	E. H. Martin	173	Nov. 2, 1937	-	-	372	194	1.24	195	1.370	26	-	a	2,540	1,730	-	-	-
D-23	Wiley Roberts	89	Oct. 28, 1937	-	-	98	16	9.0	348	18	18	-	a	330	310	-	-	-
D-28	Mrs. Pearl Rodgers	241	Nov. 2, 1937	-	-	-	-	-	317	1.55	32	-	a	-	-	-	-	-
D-35	Mrs. K. Michaelie	262	Nov. 15, 1937	-	-	84	1.6	33	299	58	26	-	a	371	275	-	-	-
D-36	T. E. Gillespie	140	Oct. 28, 1937	-	-	-	-	-	146	1.1	15	-	a	-	-	-	-	-
D-37	J. B. Leggett	Spring	do.	-	-	104	6	6.0	317	1.3	16	-	a	301	284	-	-	-
D-43	M. G. Michelis	Spring	Nov. 20, 1937	-	-	-	-	-	244	1.1	14	-	a	-	-	-	-	-
D-44	P. J. Tonkyre	Spring	Oct. 29, 1937	-	-	-	-	-	256	1.1	22	-	a	-	-	-	-	-
D-45	C. C. Cook	185	Oct. 28, 1937	-	-	-	-	-	342	2.2	15	-	a	-	-	-	-	-
D-46	L. R. Calhoun	1.32	Nov. 1, 1937	-	-	82	1.5	20	305	3.5	15	-	a	317	264	-	-	-
D-49	W. M. Mayfield	300	Oct. 28, 1937	-	-	89	1.3	8.0	317	1.1	14	-	a	291	278	-	-	-
D-52	Walter G. Loeffler	100	do.	-	-	111	38	9.0	366	9.1	41	-	a	470	433	-	-	-
D-54	Joe Cruze	Spring	Apr. 12, 1943	-	-	-	-	-	4.22	9.9	15	-	a	-	-	-	-	-
D-55	do.	125	do.	-	-	-	-	-	397	1.1	13	-	a	-	-	-	-	-
D-57	Joe Stuart	429	Mar. 30, 1943	-	-	-	-	-	378	2.27	14	-	a	-	-	-	-	-

IV-30

Analyses of water from wells and springs in Hayes County--Continued

IV-31

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids CaCO ₃	Total hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C.)	pH
D-59	John Whisenant	113	Oct. 29, 1937	"	79	28	16	366	18	20	"	a	341	312	"	656	7.9	
D-63	H. Thornton	140	Jan. 20, 1954	13	+ 69	45	54	15	383	35	11	"	1, 8	363	334	9	-	
D-65	Mrs. M. Roberts	151	Nov. 19, 1937	"	-	222	147	5. 0	329	830	17	"	a	1, 380	1, 150	-	-	
D-66	Mrs. Rena Dobie	150	do.	"	-	80	50	4. 0	390	65	19	"	a	410	406	-	-	
D-67	H. B. Pendleton	125	Oct. 28, 1937	"	-	633	62	20	268	1, 570	20	"	n	2, 440	1, 840	-	-	
D-70	R. A. Byler	332	"	"	-	55	28	21	268	55	15	"	a	306	252	-	-	
D-71	Odessa Ferris	26	Oct. 28, 1937	"	-	313	45	45	110	37	172	"	"	968	-	-	-	
D-73	E. C. James	350	Jan. 19, 1954	12	+ 04	55	41	7. 6	c341	29	12	"	0	325	306	5	586	
D-74	do.	350	do.	"	+ 04	56	41	7. 7	c339	28	11	"	2	324	308	5	586	
E-2	A. M. James	154	Nov. 4, 1937	"	-	159	51	2. 0	500	167	19	"	a	644	607	-	-	
E-6	W. P. Webb	310	Jan. 20, 1954	14	-	406	296	44	368	1, 900	23	4. 0	"	3, 5	2, 870	4	3, 140	
E-8	Spring	24	1943	"	-	-	-	-	298	12	11	"	"	-	-	-	7. 4	
E-9	Chas. Morton	110	Nov. 10, 1937	"	-	-	-	-	329	11	15	"	a	-	-	-	-	
E-15	-- Jarvis	237	Nov. 16, 1937	"	-	144	52	3. 0	244	43	78	"	276	716	572	-	-	
E-17	M. O. Rogers	110	Nov. 4, 1937	"	-	-	-	-	262	55	21	"	a	-	-	-	-	
E-18	John Greenhall	90	"	"	-	95	38	13	476	11	14	"	a	405	394	-	-	
E-20	do.	320	Jan. 19, 1954	11	+ 02	45	26	5. 1	-0. 9 d261	9. 9	9. 2	"	2. 5	240	219	5	442	
E-23	J. E. Tamerlin	270	"	-	-	86	27	5. 0	336	11	18	"	31	343	327	-	-	
E-24	J. L. Dodgen	312	Dec. 2, 1937	"	-	66	30	11	342	15	12	"	a	302	289	-	-	
E-25	E. O. Dodgen	325	Nov. 8, 1937	"	-	92	20	5. 0	342	22	14	"	a	321	312	-	-	
E-33	Homer Heep	242	Apr. 17, 1943	"	-	57	29	11	295	29	10	"	0	281	262	-	-	
E-36	J. J. Horton	243	Sept. 16, 1937	"	-	-	-	-	177	48	16	"	a	-	-	-	-	
E-38	J. A. Rogers	325	Jan. 28, 1946	10	+ 05	58	33	3. 0	3. 0	280	38	12	1. 8	-0	301	280	-	540
E-40	Wilmet Estate	500	"	-	-	-	-	-	262	20	10	"	a	-	-	-	-	
E-43	M. J. H. Ferguson	231	Sept. 16, 1937	"	-	107	45	117	281	394	43	"	a	859	453	-	-	
E-45	John Butler	507	Sept. 15, 1937	"	-	104	46	181	299	339	175	"	a	996	449	-	-	
E-48	Mrs. Laura B. Negley	400	Aug. 1, 1945	"	-	-	-	-	288	10	10	-	-4	-	258	-	-	
E-48	do.	400	Jan. 19, 1954	9. 0	2. 3	40	28	4. 8	e256	2. 9	8. 8	-	0	221	215	5	419	
E-49	do.	414	June 4, 1943	"	-	-	-	-	210	36	190	-	-	-	-	-	-	
E-51	F. W. Miller	314	Aug. 1, 1945	"	-	-	-	-	323	28	14	-	-	-	321	-	-	
E-54	M. G. Michaelis	250	Nov. 4, 1937	"	-	-	-	-	350	4. 0	7. 0	-	-	-	-	-	-	
E-55	Jim Blair	300	Mar. 30, 1943	"	-	-	-	-	378	40	15	-	-	-	-	-	-	
E-58	F. W. Zimmerman	127	Nov. 16, 1937	"	-	-	-	-	358	170	55	1, 330	24	-	2, 110	1, 600	-	
E-59	Joe Stuart	500	Nov. 4, 1937	"	-	-	-	-	136	3. 0	13	378	14	18	36	406	352	
E-60	C. M. Decker	375	--	-	-	-	-	-	-	-	-	-	-	-	-	252	-	
E-63	-- Gregg	250	July 31, 1945	"	-	-	-	-	-	-	-	-	-	-	-	-	-	
E-64	Ed Montague	128	do.	"	-	-	-	-	-	-	-	-	-	-	36	14	285	

Analyses of water from wells and springs in Hays County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH
E-66	Mrs. E. Fehlis	387	Nov. 23, 1938	-	-	54	37	25	296	65	17	2.4	0.5	347	287	-	-	
E-67	Jim Hale Miller	500	Oct. 2, 1937	-	-	-	-	-	-	212	30	-	a	-	-	-	-	
E-69	A. L. Schmeltekopf	42	Sept. 15, 1937	-	-	274	6.0	70	159	55	180	-	-	-	709	-	-	
E-70	H. K. Wilbern	450	Aug. 26, 1952	12	-	82	57	207	301	324	208	3.2	3.0	1,140	439	51	1,740	7.5
E-71	A. D. Dees	14	Jan. 19, 1954	21	.02	95	13	46	f340	39	26	-	42	458	290	25	747	8.4
E-72	F. C. Litterst	553	Nov. 19, 1951	13	-	162	123	837	288	900	1,110	3.6	2.0	3,290	910	66	5,050	8.2
E-73	P. R. Rutherford	1,196	Mar. 6, 1952	14	-	40	58	41	310	122	27	.8	.0	488	338	21	871	8.1
E-73	do.	1,430	Aug. 26, 1952	15	-	44	48	40	222	170	21	1.4	2.0	474	308	22	879	8.2
E-74	do.	295	do.	15	-	94	29	3.7	398	12	13	.2	5.0	376	354	2	670	7.5
E-75	Mrs. Ida Hill	526	Jan. 19, 1954	4.2	.06	46	16	20	gl71	44	24	-	.0	250	181	19	434	8.3
F-3	Thomas Yoe	30	Sept. 16, 1937	-	-	67	2.0	27	183	48	18	-	a	261	177	-	-	-
F-6	Herman Heep	500	--	-	-	80	66	531	171	610	600	-	a	1,980	471	-	-	-
F-7	Tom Pate	665	Aug. 26, 1952	13	-	71	45	202	282	290	185	2.8	.2	999	362	55	1,610	7.8
F-8	M. J. Coady	19	Jan. 19, 1954	20	-	56	11	178	360	191	46	2.4	8.7	703	184	68	1,070	8.1
F-10	L. S. Coers	650	Aug. 26, 1952	10	-	469	221	2,570	256	2,720	3,280	2.8	-	9,400	2,080	73	13,400	7.2
F-12	Alvis Satterwhite	13	Jan. 19, 1954	22	.02	46	12	186	c410	137	40	-	40	686	164	71	1,070	8.6
F-15	Rudolph Braune	19	Nov. 8, 1937	-	-	574	133	1,020	226	1,770	1,520	-	30	5,160	1,980	-	-	-
F-18	L. Romeros	23	do.	-	-	49	20	158	293	148	82	-	46	647	203	-	-	-
F-22	A. H. Whitten	502	Apr. 1, 1943	-	-	-	-	-	306	350	335	-	-	-	-	-	-	-
G-1	--	65	Oct. 21, 1937	-	-	95	60	16	281	219	42	-	a	570	482	-	-	-
G-5	W. H. Moses	84	do.	-	-	-	-	-	372	124	17	-	a	-	-	-	-	-
G-6	--	112	Oct. 20, 1937	-	-	-	-	-	-	310	16	-	a	-	-	-	-	-
G-7	--	200	do.	-	-	154	41	9.0	293	150	39	-	150	687	556	-	-	-
G-9	E. C. James	260	Oct. 15, 1937	-	-	71	53	1.0	384	59	17	-	a	390	398	-	-	-
G-10	J. K. Keith	46	Nov. 19, 1937	-	-	160	11	20	537	14	26	-	a	495	447	-	-	-
G-11	Mrs. J. W. Pyland	215	Nov. 11, 1937	-	-	-	-	-	378	58	26	-	a	-	-	-	-	-
G-12	Mrs. N. E. Hughes	170	do.	-	-	74	58	5.0	397	54	36	-	a	422	421	-	-	-
G-14	M. A. Morris	185	Apr. 19, 1938	-	-	60	60	4.0	378	62	17	-	a	392	397	-	-	-
G-15	C. W. Burdett	525	Nov. 11, 1939	-	-	54	36	12	320	26	14	-	.0	300	283	-	-	-
G-16	R. E. New	260	--	-	-	52	61	11	388	60	18	-	.0	393	380	-	-	-
G-17	W. A. Leath	248	Oct. 15, 1937	-	-	66	56	6.0	390	59	20	-	a	399	395	-	-	-
G-19	J. J. Peterson	Spring	Nov. 11, 1939	-	-	85	19	12	329	25	16	-	a	319	292	-	-	-
G-22	Tom Nance	33	Oct. 19, 1937	-	-	144	18	60	299	24	211	-	a	604	436	-	-	-
G-24	Morton Ranch	400	Apr. 7, 1943	-	-	-	-	-	284	34	7.0	-	-	-	-	-	-	-
G-28	Dan Nance	280	Oct. 18, 1937	-	-	-	-	-	-	11	18	-	29	-	-	-	-	-
G-29	R. R. Williams	270	Oct. 14, 1937	-	-	-	-	-	165	11	9.0	-	a	-	-	-	-	-

Analyses of water from wells and springs in Hayes County--Continued

IV-33

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total dissolved solids as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH	
G-30	R. R. Williams	270	Mar. 15, 1943	-	-	60	49	2.1	344	58	9.0	-	0.5	348	351	-	
G-31	A. Capps	280	Nov. 13, 1937	-	-	74	28	3.0	329	18	13	-	a	298	302	-	
G-33	R. R. Williams	500	Nov. 12, 1937	-	-	60	32	9.0	299	33	14	-	a	295	280	-	
G-34	A. Capps	58	Nov. 13, 1937	-	-	-	-	-	305	14	14	-	a	-	-	-	
G-36	H. K. Wilbern	100	--	-	-	48	32	27	342	11	12	-	a	298	250	-	
G-38	Fred Boyett	58	Oct. 15, 1937	-	-	146	39	60	305	51	66	-	320	832	524	-	
G-39	do.	124	do.	-	-	-	-	-	195	35	29	-	a	-	-	-	
G-40	E. S. Allen	85	Nov. 13, 1937	-	-	-	-	-	384	25	16	-	a	-	-	-	
G-41	O. A. Stoeppler	41	Oct. 15, 1937	-	-	-	-	-	-	15	22	-	a	-	-	-	
G-44	M. E. Ruby	450	Mar. 15, 1943	-	-	95	78	28	319	331	9.0	-	a	698	558	-	
G-45	Herman Heep	504	Oct. 15, 1937	-	-	-	-	-	275	11	9.0	-	a	-	-	-	
G-46	Rector Williams	315	Apr. 5, 1943	-	-	-	-	-	318	20	6.0	-	-	-	-	-	
G-47	W. N. Allbright	342	Apr. 6, 1943	-	-	-	-	-	267	22	7.0	-	-	-	-	-	
G-50	J. H. Robinson	300	Nov. 23, 1937	-	-	55	39	4.0	281	21	10	-	a	258	258	-	
G-52	R. Wagner	280	Nov. 24, 1937	-	-	55	23	10	268	16	13	-	a	251	234	-	
G-55	H. Williams	428	Nov. 23, 1937	-	-	100	42	5.0	293	162	13	-	a	471	421	-	
G-56	Mrs. J. T. Taylor	546	June 1951	16	-	44	47	9.9	289	66	14	-	0	339	304	8.1	
G-57	H. W. Lennie	534	Sept. 14, 1953	-	-	-	-	-	366	23	-	-	a	1,170	-	7.7	
G-58	Mose A. Smith	500	Sept. 28, 1953	10	-	100	39	7.8-1.4	330	122	15	-	14	491	410	8.0	
H-2	C. C. Mitchell	436	--	-	-	-	-	-	323	11	15	-	a	-	-	-	
H-4	Otto Weige	290	Oct. 17, 1937	-	-	68	18	10	268	22	17	-	a	267	246	-	
H-5	E. H. Tarbutton	148	Oct. 22, 1937	-	-	65	12	6.0	214	25	17	-	a	230	213	-	
H-6	Katie F. Smith	125	--	-	-	58	17	9.0	226	22	19	-	a	236	216	-	
H-8	City of Kyle	336	Sept. 3, 1953	11	-	57	48	33	15	267	47	14	-	.5	306	256	7.7
H-10	C. C. Houston	24	Oct. 2, 1937	-	-	-	-	-	293	24	13	-	a	-	-	-	
H-10	do.	24	Sept. 3, 1953	10	-	195	4.8	27	228	40	60	-	311	760	506	10	
H-11	do.	324	do.	12	.02	60	37	18	276	82	15	-	9.0	388	302	11	
H-12	H. R. Todd	23	Oct. 2, 1937	-	-	410	23	9.5	403	62	260	-	700	1,750	1,120	-	
H-13	do.	277	do.	-	-	67	29	30	293	74	26	-	a	370	288	-	
H-13	do.	277	Sept. 3, 1953	13	.02	55	35	24	287	69	18	-	1.2	368	281	16	
H-14	Hobart Schwab	300	Sept. 1, 1945	12	-	49	45	34	40	272	69	25	3.6	0	367	252	26
H-16	Mrs. O. G. Parke, Sr. 300	do.	12	.15	54	35	37	286	70	25	3.2	0	380	279	18	626	
H-18	Roy B. Brooks	385	do.	11	.15	66	40	58	296	138	36	3.6	.2	509	329	24	
H-19	City of Kyle	765	Oct. 28, 1949	13	.02	72	43	17.5.2	283	129	22	3.6	0	490	356	9	
H-21	do.	595	Nov. 2, 1945	17	1.1	80	45	52	278	172	46	3.6	.2	591	384	16	
H-23	Nicholas Thiele	372	Sept. 15, 1937	-	-	75	44	146	268	350	70	-	a	817	367	-	
H-25	Ed Cullen	600	Aug. 26, 1952	15	-	139	94	426	260	513	642	2.8	.2	1,960	734	56	
H-26	-- Hill	Spring	Nov. 25, 1938	-	-	124	6.4	39	272	44	63	-	43	473	336	20	

Analyses of water from wells and springs in Hays County--Continued

IV-34

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids as CaCO_3	Total hardness as CaCO_3	Percent sodium	Specific conductance (micromhos at 25°C)	pH	
H-31	W. W. Patterson	19	Nov. 10, 1937	-	.06	79	2.5	6.2	397	133	116	-	108	840	515	-	4.38	8.5	
H-32	Geo. Heidenrich	13	Jan. 19, 1954	11	-	95	4.0	16	195	11	25	-	39	273	207	6	-	-	
H-35	O. R. Patterson	23	Sept. 18, 1937	-	-	102	469-17	288	491	780	3.6	0	100	347	252	-	-	-	
*H-37	O. G. Parke	512	Sept. 3, 1953	12	.18	159	-	-	360	44	37	-	a	-	-	-	-	7.4	
H-38	Roy Michael	121	Sept. 15, 1937	-	-	-	-	-	244	22	21	-	a	-	-	-	-	-	
H-43	E. N. Cason	121	do.	-	-	-	-	-	3.5	345	5.1	6.5	-	5.5	312	292	3	545	8.6
H-44	D. E. Mitchell	160	Jan. 19, 1954	12	.04	94	14	-	275	124	11	-	a	-	-	-	-	-	
H-45	Joe Freeman	249	Oct. 18, 1937	-	-	-	-	-	305	91	14	-	-	-	-	-	-	-	
H-47	do.	186	Apr. 5, 1943	-	-	-	-	-	437	21	149	195	80	424	-	-	-	-	
H-52	L. B. McClanahan	33	Sept. 18, 1937	-	-	-	-	-	69	12	19	189	20	20	76	309	223	-	
H-53	J. L. Sawyer	37	Sept. 14, 1937	-	-	-	-	-	153	2.0	38	464	40	24	23	508	392	-	
H-56	Harry Neuse	11	Sept. 18, 1937	-	-	-	-	-	-	-	262	27	29	a	-	-	-	-	
H-59	W. N. Goforth	Spring	Oct. 4, 1937	-	-	-	-	-	-	-	158	16	15	232	113	102	50	568	-
H-62	F. G. Avey	42	Sept. 14, 1937	-	-	-	-	-	-	-	128	10	24	293	44	62	50	462	-
H-63	H. H. Butz	22	do.	-	-	-	-	-	-	-	20	12	234	19	22	.8	3.0	349	306
H-65	A. B. Rogers Estate	Spring	May 16, 1947	11	.05	90	-	-	-	-	-	-	-	-	-	-	-	602	7.2
H-67	and City of San Marcos	-	Nov. 11, 1945	12	.05	88	18	13	314	23	22	4	4.3	337	294	5	537	7.0	
H-68	Tex Hughson	282	Oct. 5, 1937	-	-	-	-	-	-	-	275	73	10	a	-	-	-	-	-
H-74	City of San Marcos	280	do.	-	-	-	-	-	92	46	3.0	293	142	26	a	453	419	-	-
H-75	E. Brooks	176	do.	-	-	-	-	-	-	-	-	15	15	15	a	-	-	-	-
H-76	John Avery	204	Apr. 6, 1943	-	-	-	-	-	-	-	314	4.0	6.0	-	-	-	-	-	-
H-82	Mrs. R. L. Jennings	560	Oct. 4, 1937	-	-	-	-	-	-	-	197	204	-	a	-	-	-	-	-
H-83	J. A. Clayton	90	Sept. 27, 1937	-	-	-	-	-	-	-	311	40	30	-	-	-	-	-	-
H-84	J. B. Netherland	250	Sept. 29, 1937	-	-	-	-	-	98	18	10	305	40	36	a	352	321	-	
H-85	O. N. Edge	143	Sept. 27, 1937	-	-	-	-	-	115	45	180	275	212	285	-	20	992	473	-
H-87	R. G. Fourquean	21	do.	-	-	-	-	-	-	-	110	84	50	a	287	-	-	-	-
H-89	Mrs. Ethel Mercer	45	Jan. 19, 1954	11	.06	77	20	13	299	27	18	-	9.9	330	274	9	581	8.5	
H-92	W. R. Henk	20	do.	11	.02	60	6.6	18	187	16	24	-	15	248	177	18	433	8.3	
H-93	Mrs. Carrie H. Crawford	36	Oct. 1, 1937	-	-	-	-	-	-	-	427	15	32	a	-	-	-	-	-
H-96	-- Fehlis	200	Sept. 27, 1937	-	-	-	-	-	76	26	17	256	59	44	a	348	296	-	
H-97	Ruth Jackson	21	Sept. 29, 1937	-	-	-	-	-	124	32	284	427	323	235	-	50	1,260	440	-
H-99	Southwest Texas State Teachers College	234	do.	-	-	-	-	-	-	-	-	275	95	36	a	-	-	-	-
H-100	W. C. McCarty	240	--	-	-	-	-	-	60	15	15	250	18	13	a	244	209	-	
H-101	E. B. McCormick	188	Sept. 29, 1937	-	-	-	-	-	117	52	5.0	284	153	3.0	a	546	507	-	
H-102	Herbert Gehrung	131	Sept. 27, 1937	-	-	-	-	-	-	-	-	305	40	36	a	-	-	-	-
H-103	R. G. Johnson	229	Oct. 1, 1937	-	-	-	-	-	-	-	-	62	56	a	-	-	-	-	-
H-104	F. G. Lowman	194	Sept. 27, 1937	-	-	-	-	-	-	-	-	88	54	-	120	-	-	-	-

Analyses of water from wells and springs in Hays County--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium	Specific conductance (micromhos at 25°C)	pH
J-1	F. W. Homann	12	Nov. 10, 1937	-	-	-	-	-	311	231	129	-	22	-	-	-	-	
J-4	A. F. Garbrecht & Sons	Spring	Feb. 8, 1946	14	.03	114	5.9	15	286	24	21	.6	57	392	309	6	637	7.3
J-5	Fritz Homann	Spring	Nov. 10, 1937	-	-	107	6.0	51	317	54	40	-	39	453	294	-	-	-
J-7	Herbert Seeliger	45	do.	-	-	116	3.0	31	183	144	28	-	36	448	302	-	-	-
J-10	Emil Heidenrich	12	Jan. 19, 1954	11	.02	107	4.9	22	j260	38	26	-	55	421	287	14	649	8.4
K-1	W. N. Yates	360	Sept. 28, 1937	-	-	-	-	-	299	205	150	-	a	-	-	-	-	-
K-3	E. L. Williamson	16	do.	-	-	121	12	40	305	106	56	-	a	485	353	-	-	-
K-4	E. B. Kucher	187	do.	-	-	122	57	105	317	238	185	-	a	863	540	-	-	-
K-5	Ewell Jackson	200	Oct. 1, 1937	-	-	149	68	145	354	277	275	-	a	1,090	652	-	-	-
K-8	Gustav Bierstedt	10	Nov. 11, 1937	-	-	106	25	208	415	228	160	-	a	947	365	-	-	-
K-11	Claude Harris	16	Oct. 1, 1937	-	-	75	21	59	183	77	90	-	55	467	273	-	-	-
K-13	David Ramsey	19	Nov. 9, 1937	-	-	149	23	156	299	220	185	-	89	969	469	-	-	-
K-14	Eddie Meyer	44	Jan. 19, 1954	7.2	.08	44	1.6	4.9-1.0	1.51	2.0	3.8	-	2.5	147	116	8	261	8.2
K-17	Reinhold Badine	17	Nov. 9, 1937	-	-	150	11	67	378	148	62	-	20	644	422	-	-	-

a - Nitrate less than 20 parts per million.

b - Includes equivalent of 8 parts per million of carbonate (CO₃)c - Includes equivalent of 14 parts per million of carbonate (CO₃)d - Includes equivalent of 11 parts per million of carbonate (CO₃)e - Includes equivalent of 7 parts per million of carbonate (CO₃)f - Includes equivalent of 10 parts per million of carbonate (CO₃)g - Includes equivalent of 3 parts per million of carbonate (CO₃)h - Includes equivalent of 15 parts per million of carbonate (CO₃)i - Includes equivalent of 4 parts per million of carbonate (CO₃)j - Includes equivalent of 9 parts per million of carbonate (CO₃)

MISCELLANEOUS ANALYSES OF SURFACE WATER

Date of collection	Mean discharge (cfs)	Silica (SiO ₂)	Iron (Fe)	Cal-cium (Ca)	Magne-sium (Mg)	Sodium (Na)	Potass-ium (K)	Bicar-bonate (HCO ₃)	Car-bonate (CO ₃)	Sul-fate (SO ₄)	Chlo-ride (Cl)	Fluo-rid (F)	Ni-trate (NO ₃)	Dissolved solids parts per million	Hardness as CaCO ₃ Total Non-carbon-ate	Specific conductance (micromhos per cent at 25° C.)	pH		
June 16, 1952	-	12	-	49	7.1	4.8	-	154	0	5.6	9.8	0.2	5.8	180	149	14	8	-	8.1

West Fork Nueces River at highway crossing between Laguna and Brackettville, Texas

Nueces River

4 June 17, 1952	-	13	-	43	16	7.1	-	190	-	7.7	13	0.3	4.0	197	173	17	8	357	8.4
2 May 27, 1949	131	13	-	58	15	7.8	-	234	0	9.3	13	-	4.5	236	206	15	8	432	7.9
3 June 16, 1952	-	13	-	53	15	6.3	-	215	0	9.5	13	0.2	4.0	230	194	18	7	391	8.2
2 May 31, 1930	-	16	0.03	50	15	5.0	1.4	208	0	10	10	-	1.8	211	186	16	6	-	-
1 May 20, 1930	-	19	0.05	46	13	6.3	1.7	176	0	21	11	-	0.5	206	168	24	7	-	-
1 Nov. 26, 1930	-	-	-	76	14	3.9	-	267	0	15	10	-	8.6	259	247	28	3	-	-

Nueces River

5 May 18, 1930	-	-	-	100	14	17	-	343	-	58	18	-	2.4	388	332	51	10	-	-
5 Mar. 1, 1947	-	9.8	0.2	97	9.7	9.2	3.7	298	-	29	18	0.8	4.4	335	282	42	7	544	-
6 May 19, 1930	-	-	-	94	13	9.7	-	307	-	32	16	-	2.1	318	288	36	7	-	-
6 Aug. 9, 1946	-	-	-	83	14	4.2	-	316	-	45	34	-	0.2	416	264	4	25	-	-
6 Mar. 1, 1947	-	12	.00	109	12	13	3.4	334	-	32	33	.0	1.2	388	322	52	8	646	-
7 Mar. 1, 1947	-	-	-	100	11	7.6	-	304	-	30	20	-	3.5	331	294	46	5	556	-

1 7 miles southwest by west of Uvalde, Uvalde County.

2 14 miles northwest of Uvalde, Uvalde County.

3 Near Laguna, Uvalde County.

4 Near Camp Wood, Real County.

5 Group 1

6 Group 4

7 Group 3

IV-36

MISCELLANEOUS ANALYSES OF SURFACE WATER--CONTINUED

Date of collection	Mean discharge (cfs)	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids Parts per million	Hardness as CaCO ₃	Percent sodium carbonate	Specific conductance (micromhos at 25° C.)	pH
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Dry Frio River at gaging station at Reagan Wells

June 16, 1952	-	10	-	58	15	7.1	-	219	0	16	16	0.3	0.8	240	206	27	7	407	8.1
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Frio River at Concan River

June 16, 1952	-	13	-	47	16	6.6	-	200	0	12	14	0.2	1.0	210	183	19	7	372	8.0
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Medina Reservoir Spot Samples

**Nov. 28, 1950	-	9.9	-	78	16	47	-	234	0	134	20	-	3.4	455	260	69	280	655	7.9
*Oct. 19, 1951	-	11	0.00	58	21	8.5	3.6	168	0	93	13	0.1	2.2	350	235	0	7	484	8.1
² Apr. 8, 1954	-	7.0	-	66	15	10	-	209	0	57	12	-	2.0	303	226	55	9	462	8.1

Medina River at Diversion Lake below Lake Medina

Nov. 28, 1950	0.10	10	-	80	30	11	-	240	0	122	18	-	2.8	440	323	126	7	636	8.0
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Medina River at county road crossing 1 mile below Diversion Dam

Nov. 28, 1950	1.05	9.9	-	82	22	8.9	-	233	0	95	16	-	0.0	398	295	104	6	572	7.9
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Medina River at Rio Medina, Texas. County road crossing 1 mile west of Rio Medina

Nov. 28, 1950	5.31	13	-	93	23	15	-	290	0	79	22	-	8.7	444	326	89	9	656	7.9
Apr. 8, 1954	1.3	9.6	-	76	22	18	-	252	0	76	22	-	3.0	369	280	74	12	597	8.1

1 Collected at northeast corner of dam.

2 300 feet above dam on Medina Lake.

* Boron (B) 0.61.

** Dissolved solids - Tons per acre-foot 0.62.

MISCELLANEOUS ANALYSES OF SURFACE WATER-CONTINUED

Date of	Mean dis- charge (cfs)	Silica (SiO ₂)	Iron (Fe)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium (Na)	Potas- sium (K)	Bicar- bonate (HCO ₃)	Car- bonate (CO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Fluo- ride (F)	Ni- trate (NO ₃)	Dissolved solids Parts per million	Hardness as CaCO ₃ Total	Non- carbon- ate	Per- cent so- dium	Specific conductance (micromhos at 25°C.)	pH
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Northeast fork of Helotes Creek 3rd crossing north of Helotes on Scenic Loop Road

Apr. 8, 1954	0.25	13	-	68	19	13	292	0	11	18	-	0.0	294	248	8	10	501	7.8
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Guadalupe River at gaging station near Spring Branch, Texas

(Composites of daily samples)

Jan. 1-10, 1942	161	-	-	64	23	12	273	-	22	22	-	4.5	296	254	30	10	520	-
Jan. 11-18, 1942	156	-	-	-	-	-	270	-	23	21	-	5.5	292	a267	46	-	530	-
Jan. 19, 1942	157	-	-	-	-	-	302	-	86	86	-	7.2	-	a352	104	-	881	-
Jan. 21-31, 1942	144	11	0.04	62	22	16	272	-	21	21	0.3	4.5	290	243	22	12	505	-
July 24-31, 1942	96	-	-	53	22	13	240	-	19	23	-	2.8	280	223	26	11	461	-
Sept. 11-20, 1942	233	-	-	69	15	11	268	-	12	16	-	3.0	295	234	10	9	476	-
Sept. 21, 23, 30, 1942	188	-	-	68	18	15	273	-	24	17	-	3.5	326	244	30	12	489	-
Oct. 21-31, 1942	409	-	-	72	18	7.1	271	-	18	18	-	4.0	332	254	32	6	510	-
Nov. 1-10, 1942	283	-	-	67	21	14	279	-	22	19	-	6.4	313	254	25	11	499	-
Nov. 11-20, 1942	250	-	-	68	22	11	282	-	22	18	-	3.5	309	260	28	8	515	-
Nov. 21-30, 1942	316	15	.04	69	18	11	270	-	19	17	.4	4.0	300	246	24	9	484	-
Dec. 1-10, 1942	223	-	-	70	19	18	280	-	25	24	-	4.0	345	252	23	14	560	-
Dec. 11-20, 1942	212	-	-	72	22	11	290	-	23	20	-	4.0	313	270	32	8	535	-
Dec. 21-31, 1942	287	-	-	70	21	10	283	-	20	19	-	4.0	310	261	28	8	510	-
Jan. 1-10, 1944	184	-	-	60	18	12	252	-	16	17	-	2.8	250	224	17	10	460	-
Jan. 11-20, 1944	130	-	-	67	18	16	278	-	17	20	-	3.0	290	241	13	13	501	-
Jan. 21-31, 1944	130	-	-	57	19	12	239	-	19	20	-	3.2	265	220	24	11	461	-
Feb. 1-10, 1944	113	-	-	63	19	14	257	-	23	20	-	2.5	279	235	24	11	473	-

Guadalupe River 2 miles upstream from Hueco Springs

June 24, 1941	-	-	-	43	20	18	214	0	19	20	-	6.2	232	190	12	17	-	-
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Guadalupe River at New Braunfels, Texas

Sept. 9, 1944	328	-	-	64	14	8.0	250	-	10	11	-	4.7	242	217	12	7	-	-
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Comal River at New Braunfels, Texas

Sept. 9, 1944	328	-	-	76	19	3.2	274	0	23	16	-	4.4	316	268	43	3	-	*
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IV-38

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS

WEST NUECES RIVER NEAR BRACKETTVILLE, TEX.

Location.-- Lat. $29^{\circ}28'55''$, long. $100^{\circ}14'20''$, at Bruce Ranch, 11 miles upstream from Liveoak Creek and 15.8 miles northeast of Brackettville, Kinney County.

Drainage area.-- 700 square miles.

Records available.-- September 1939 to September 1950 (discontinued)

Gage.-- Water-stage recorder. Datum of gage is 1,326.8 feet above mean sea level, datum of 1929.

Average discharge.-- 11 years (1939-50), 13.6 cfs.

Extremes.-- 1939-50: Maximum discharge, 51,000 cfs June 25, 1948 (gage height, 20.95 feet, from flood mark), by slope-area method; no flow most of time. Maximum stage known, 48.0 feet June 14, 1935, from flood mark, at site 0.6 mile upstream from gage (discharge at a point 33 miles upstream from gage (discharge at a point 33 miles upstream from gage and $\frac{1}{2}$ miles downstream from Kickapoo Creek, 580,000 cfs, by slope-area method; a second determination 24 miles downstream from gage and 8 miles north of Cline, 536,000 cfs by slope-area method)).

Remarks.-- Records fair. In ordinary years most of runoff from basin is lost by seepage into Edwards limestone above station. No diversion above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1939	-	-	-	-	-	-	-	-	-	158	1.26	0	-
1940	0	0	0	.12	2.98	.45	3.41	0	0	0	0	0	.59
1941	0	0	.25	.33	2.62	.14	0	0	0	.36	.06	0	.32
1942	0	0	0	0	0	0	0	0	1.44	61.2	.73	0	5.38
1943	0	0	0	0	.61	.55	0	0	0	0	0	0	.10
1944	0	.04	.04	0	0	.14	0	0	0	0	0	0	.02
1945	.18	0	0	0	0	0	0	0	0	0	0	0	.02
1946	0	0	0	0	0	.25	0	0	.37	122	1.37	.003	10.5
1947	1.59	.14	0	.24	4.44	27.7	6.66	.25	0	0	0	0	3.40
1948	0	0	0	0	0	429	.94	0	0	0	0	0	34.2
1949	0	978	34.8	.44	0	0	0	23.8	5.52	.46	.12	0	80.5
1950	0	0	0	0	0	0	0	0	.05	-	-	-	-

(Station discontinued)

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

NUECES RIVER AT LAGUNA, TEX.

Location.-- Lat. $29^{\circ}25'45''$, long. $99^{\circ}59'50''$, on right bank, 0.5 mile downstream from Sycamore Creek, 1 mile northeast of Laguna, Uvalde County, and at mile 395.

Drainage area.-- 764 sq mi.

Records available.-- October 1923 to September 1954.

Gage.-- Water-stage recorder. Datum of gage is 1,119.72 ft above mean sea level, datum of 1929.

Prior to Dec. 15, 1924, staff gage at site 2 miles downstream at different datum.

Average discharge.-- 31 years, 129 cfs.

Extremes.-- 1923-54: Maximum discharge, 222,000 cfs July 13, 1939 (gage height, 26.40 ft), from rating curve extended above 40,000 cfs on basis of float measurement at gage height 21.3 ft and slope-area determination at gage height 26.0 ft; minimum, 4.8 cfs Apr. 24, 25, 1953. Flood in June 1913 reached a stage 2 or 3 ft higher than that of July 13, 1939, and was probably the highest since at least 1903, and flood of Sept. 21, 1923 reached a stage of 26.5 ft (discharge, 226,000 cfs, based on rating curve mentioned above); from information by local resident.

Remarks.-- Records good. No diversions above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1923	"	-	-	-	-	-	-	-	-	-	544	235	-
1924	148	119	126	142	90.2	74.7	38.6	16.0	12.9	14.6	18.4	23.9	68.5
1925	31.5	41.9	40.0	32.1	641	238	79.1	36.9	41.9	248	161	91.8	141.3
1926	69.1	66.3	67.0	73.6	107	48.1	531	129	49.4	30.1	38.0	56.7	106.3
1927	60.7	164	120	142	60.3	70.4	67.0	29.0	14.9	243	55.1	43.1	88.7
1928	43.6	47.7	41.1	38.3	64.5	173	26.5	58.6	17.3	54.6	42.8	36.5	53.6
1929	32.6	31.0	29.8	28.3	290	114	111	34.4	33.6	19.8	17.4	34.8	65.2
1930	37.0	38.7	33.0	26.8	37.3	784	81.8	24.7	19.8	592	124	102	158.5
1931	103	218	160	180	431	159	259	171	86.8	63.5	63.2	67.4	163.5
1932	64.8	60.3	82.6	82.5	99.1	52.8	761	244	1,850	369	210	148	334.5
1933	128	112	97.3	78.9	62.5	52.6	28.1	18.2	19.2	23.4	23.6	30.1	55.8
1934	32.3	34.8	37.6	46.6	55.8	27.0	16.2	11.1	9.21	8.56	8.26	10.5	24.8
1935	13.7	18.8	21.8	23.7	868	5,407	392	225	384	163	120	118	642
1936	101	86.8	87.1	78.8	81.4	130	150	65.1	2,257	399	277	177	322
1937	126	101	114	96.8	64.2	82.1	49.3	32.6	24.2	27.4	40.9	266	85.6
1938	222	138	98.5	125	127	68.3	156	85.3	50.4	47.1	41.8	42.9	100
1939	53.9	50.8	48.0	41.9	34.7	26.4	1,672	142	76.2	377	77.8	79.5	227
1940	69.3	76.3	68.1	89.5	169	103	68.6	52.8	44.2	33.4	40.8	57.9	72.7
1941	57.0	64.0	73.7	125	241	130	140	80.9	81.4	238	115	84.8	120
1942	68.2	58.6	53.4	56.3	94.7	54.7	41.2	57.9	414	400	175	116	133
1943	78.9	68.8	65.0	77.7	68.6	119	52.3	33.6	31.2	35.8	40.1	50.7	60.0
1944	79.6	90.8	123	107	79.7	66.4	36.7	31.3	214	97.6	64.4	66.9	87.8
1945	137	101	87.1	90.7	54.0	33.3	22.9	18.9	15.1	81.8	60.7	53.0	62.8
1946	54.7	57.0	46.6	41.5	70.1	134	56.2	23.5	28.1	392	119	79.8	92.2
1947	132	143	115	89.6	124	155	137	62.4	40.7	30.8	31.5	37.0	91.1
1948	41.3	47.4	45.8	41.1	38.9	48.7	252	33.7	22.7	24.5	26.7	27.5	54.4
1949	33.6	1,160	322	176	194	127	79.5	457	194	146	124	102	253
1950	94.3	90.7	75.4	61.1	74.1	90.5	66.9	48.4	47.4	47.4	42.0	45.8	65.2
1951	41.0	39.6	44.4	48.2	36.6	30.8	21.9	15.9	10.8	8.69	11.1	14.3	26.9
1952	16.9	21.3	24.5	79.2	109	43.8	21.8	14.2	10.0	7.39	7.45	8.58	30.4
1953	14.5	20.7	27.3	30.9	18.2	12.2	8.11	6.99	116	49.0	37.6	30.5	22.3
1954	26.9	25.8	21.9	36.1	178	372	167	50.3	27.8	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS

NUECES RIVER NEAR UVALDE, TEX.

Location.-- Lat. $29^{\circ}11'$, long. $99^{\circ}54'$, at Tom Nunn crossing, $4\frac{1}{2}$ miles downstream from Texas and New Orleans (Southern Pacific) Railroad bridge and 7 miles southwest of Uvalde, Uvalde County.

Drainage area.-- 1,930 sq mi.

Records available.-- October 1927 to April 1939 (discontinued).

Gage.-- Staff gage.

Extremes.-- 1927-39: Maximum discharge, 616,000 cfs June 14, 1935 (gage height 36.9 feet, from floodmarks), by slope-area method; minimum not determined but probably 0.2 cfs Feb. 12-22, 1929.

Remarks.-- Records good. Gage read daily, oftener during periods of high water. No diversion.

Part of flow of Nueces River and its tributaries enters Balcones fault near Uvalde. At low stages most of headwater flow enters this fault.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1927	-	-	-	-	-	-	-	-	-	16.6	6.81	4.12	-
1928	4.00	4.20	3.83	3.43	5.55	41.5	4.81	5.75	5.33	1.79	1.41	1.85	6.9
1929	1.46	.67	1.54	.94	187	12.0	42.0	1.94	6.84	11.7	1.74	1.07	22.8
1930	.77	.85	.78	.56	.46	1,010	7.66	2.60	1.28	735	8.18	5.52	147.8
1931	4.63	59.9	37.0	46.5	457	75.1	191	83.2	17.4	9.74	9.23	9.43	84.0
1932	7.87	7.50	7.57	6.39	7.18	6.63	2,530	52.6	5,800	376	214	122	757.4
1933	89.0	64.7	44.4	31.4	27.7	20.7	16.4	14.6	16.0	13.8	12.0	10.7	29.9
1934	8.76	11.4	9.28	5.60	7.32	6.00	6.55	5.47	5.30	5.11	4.16	4.07	6.56
1935	3.59	3.37	3.21	4.31	1,224	8,714	331	156	405	124	57.4	52.4	916
1936	41.8	32.8	35.3	24.0	22.0	-	-	36.5	-	361	241	128	-
1937	85.3	57.4	50.5	41.9	26.4	23.1	19.0	18.1	15.2	13.3	11.2	392	63.2
1938	109	49.3	28.7	22.8	44.8	23.1	304	40.5	22.2	17.5	15.1	12.3	58.0
1939	11.1	9.85	9.40	9.52	-	-	-	-	-	-	-	-	-

(Station discontinued)

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

NUECES RIVER BELOW UVALDE, TEX.

Location.-- Lat. $29^{\circ}08'$, long. $99^{\circ}54'$, on right bank, at McDaniel ranch, $5\frac{1}{4}$ miles upstream from bridge on U. S. Highway 83, 9 miles southwest of Uvalde, Uvalde County, 15 miles downstream from West Nueces River, and at mile 366.

Drainage area.-- 1,947 sq mi.

Records available.-- April 1939 to September 1954. October 1927 to April 1939, published as "near Uvalde;" records equivalent except during periods of low flow when seepage inflow between sites is a material factor.

Gage.-- Water-stage recorder. Datum of gage is 796.12 ft above mean sea level, datum of 1929. Oct. 4, 1927 to Apr. 30, 1939, water-stage recorder at site 4.5 miles upstream at different datum.

Average discharge.-- 15 years, 44.3 cfs.

Extremes.-- 1930-54: Maximum discharge, 89,000 cfs July 13, 1939 (gage height, 19.25 ft), from rating curve extended on basis of discharge at former site; no flow at times 1951-1954. Maximum stage known since at least 1836, 40.4 ft June 14, 1935, from floodmarks (discharge at former site, 616,000 cfs, by slope-area determination).

Remarks.-- Records good. Part of flow of Nueces River enters Edwards limestone in Balcones fault zone which crosses basin just north of Uvalde. At low stages most of headwater flow enters this formation.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1939	-	-	-	13.5	14.5	12.4	1,002	35.3	25.1	192	44.0	31.3	-
1940	25.6	22.1	18.5	18.5	19.2	20.1	18.0	15.0	13.8	12.5	10.7	15.0	17.4
1941	11.8	12.4	14.1	16.8	98.5	48.5	37.6	27.4	24.2	145	41.5	35.0	43.1
1942	29.4	23.6	20.8	18.8	21.8	14.8	15.0	11.4	142	271	74.8	41.6	57.3
1943	31.8	21.8	19.1	19.5	18.1	16.9	15.7	12.0	12.2	13.6	12.3	11.2	17.0
1944	10.0	11.6	9.60	8.51	12.2	33.3	8.98	31.6	48.8	22.2	16.6	15.5	19.0
1945	14.6	12.6	13.1	11.9	10.7	9.40	7.46	5.98	7.08	7.41	6.84	7.11	9.51
1946	7.15	7.13	6.15	5.50	10.4	24.5	13.5	8.74	25.1	214	29.6	22.7	31.5
1947	16.1	15.0	15.7	16.3	15.8	43.1	36.9	25.9	20.3	16.0	14.6	13.6	20.8
1948	12.4	12.0	10.8	8.90	7.86	391	128	18.0	12.4	8.99	7.09	6.54	51.6
1949	6.55	2,487	212	44.2	54.2	35.5	26.6	332	54.9	44.4	38.5	34.9	265
1950	285	245	20.1	17.2	14.7	12.9	10.8	6.27	7.73	7.95	5.94	6.49	13.5
1951	5.85	4.64	4.83	3.34	5.59	2.44	0	0	0	.57	.46	0	2.30
1952	0	0	0	0	48.6	3.67	.13	0	0	0	0	0	4.42
1953	0	0	0	0	0	0	0	0	168	3.25	1.33	0	14.2
1954	0	0	0	0	155	649	92.4	5.72	1.89	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

LEONA RIVER SPRING FLOW NEAR UVALDE, TEX.

Location-- Lat. $29^{\circ}09'$, long. $99^{\circ}44'$, on right bank at old road crossing on White's ranch, $3\frac{1}{2}$ miles downstream from Cooks Slough and 4.6 miles southeast of Uvalde, Uvalde County.

Records available-- January 1939 to September 1954. Occasional discharge measurements since 1925 in connection with seepage investigations.

Gage-- Water-stage recorder. Datum of gage is 838.39 ft above mean sea level, datum of 1929.

Average discharge-- 15 years, 9.96 cfs.

Extremes-- 1939-54: Maximum daily spring discharge, 33 cfs Feb. 15-18, 1942, maximum gage height, 18.42 ft Aug. 31, 1953; no flow at times in 1948, 1949, 1951-1954.

Remarks-- No flow since Mar. 5, 1951. Discharge represents flow from several springs that enter river above station and below Uvalde. Surface runoff from precipitation is excluded. A few small diversions by pumping from river channel above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1939	-	-	-	-	-	-	14.6	18.9	20.0	20.1	22.2	24.4	-
1940	25.4	23.9	21.3	20.4	19.5	18.0	17.3	15.5	15.2	13.5	13.8	13.6	18.1
1941	13.0	12.2	12.7	13.4	18.1	21.9	23.5	22.1	24.1	26.7	29.7	30.5	20.7
1942	31.4	32.0	30.6	29.6	28.3	23.4	22.6	20.1	22.4	25.0	26.1	27.0	26.5
1943	27.0	27.0	27.4	27.7	21.8	21.2	19.6	16.4	17.0	17.3	15.0	13.9	20.9
1944	11.8	9.36	9.11	8.35	7.77	9.92	9.52	6.41	11.3	12.7	13.6	14.4	10.4
1945	14.2	14.9	17.1	16.4	16.0	14.1	10.9	8.26	7.28	6.68	5.64	5.39	11.4
1946	5.38	4.10	3.31	1.92	1.97	1.22	.65	.48	1.05	2.35	4.38	6.64	2.78
1947	7.68	8.11	10.2	12.0	11.8	11.7	15.9	16.3	14.1	12.4	14.2	14.0	12.4
1948	12.1	11.1	8.42	5.46	3.21	.90	.81	.09	.23	.25	.42	.12	3.57
1949	.25	.32	.32	1.43	4.29	6.28	6.09	7.47	8.94	12.6	16.7	18.1	6.94
1950	20.0	19.5	17.3	15.1	12.8	11.7	7.56	5.77	4.95	4.13	1.89	.83	10.1
1951	.29	.22	.01	0	0	0	0	0	0	0	0	0	.04
1952	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	0	0	0	0	0	0	0	0	0	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

DRY FRIO RIVER NEAR REAGAN WELLS, TEX.

Location-- Lat. $29^{\circ}30'$, long. $99^{\circ}47'$, on right bank about 1,000 ft upstream from Aldine School, 2 miles upstream from Rock Creek, and 4 miles southeast of Reagan Wells, Uvalde County.

Drainage area-- 117 sq mi (revised).

Records available-- September 1952 to September 1954.

Gage-- Water-stage recorder. Datum of gage is 1,335.2 ft above mean sea level, adjustment unknown (levels by Ground Water Branch).

Extremes-- 1952-54: Maximum discharge, 11,400 cfs May 25, 1954; no flow at times. Flood of June 14, 1935 reached a stage of 26.0 ft, from information by local resident (discharge at site $2\frac{1}{4}$ miles upstream, 64,700 cfs by slope-area determination of peak flow).

Remarks-- Records good. Part of flow of Dry Frio River enters Edwards limestone in Balcones fault zone which crosses basin just north of Uvalde and below station. Most low flow enters this formation.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	-	-	-	-	-	-	-	.11	.10	.47	3.77	-
1953	6.35	4.24	4.62	3.71	1.34	.19	.08	.24	26.7	8.60	6.92	4.40	5.58
1954	3.62	3.20	2.24	1.60	87.0	27.0	17.7	4.05	1.88	-	-	-	-

DRY FRIO RIVER AT KNIPPA, TEX.

Location-- Lat. $29^{\circ}17'30''$, long. $99^{\circ}39'30''$, near center of channel on downstream side of bridge on U. S. Highway 90, about 100 ft downstream from Southern Pacific Lines railroad bridge, 1.0 mile upstream from mouth, 1.1 miles west of Knippa, Uvalde County, and 9.6 miles northeast of Uvalde.

Drainage area-- 179 sq mi.

Records available-- September 3, 1952 to September 30, 1953 (discontinued).

Gage-- Type - A wire-weight gage bolted to downstream handrail of highway bridge.

Remarks-- Records should be fair. No regulation or diversions.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	-	-	-	-	-	-	-	0	0	0	0	-
1953	0	0	0	0	0	0	0	.28	0	-	-	-	-

(Discontinued)

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

FRIOT RIVER AT CONCAN, TEX.

Location-- Lat. $29^{\circ}29'$, long. $99^{\circ}42'$, on left bank half a mile southeast of Concan post office, Uvalde County, and 15 miles upstream from Dry Frio River.

Drainage area-- 405 sq mi.

Records available-- October 1923 to September 1954.

Gage-- Water-stage recorder. Datum of gage is 1,203.71 ft above mean sea level, datum of 1929. Oct. 26, 1923 to July 28, 1924, staff gage at site 86 ft upstream at datum 5.08 ft lower; July 29, 1924 to Oct. 31, 1940, combination staff and chain gage, and Oct. 4, 1930 to May 18, 1939, water-stage recorder, at site 130 ft downstream at same datum.

Average discharge-- 29 years (1924-29, 1930-54), 91.2 cfs.

Extremes-- 1923-54: Maximum discharge, 162,000 cfs July 1, 1932 (gage height, 34.44 ft, from floodmarks), from rating curve extended above 7,400 cfs on basis of slope-area determinations at gage heights 16.40 and 34.44 ft; minimum, 0.1 cfs Aug. 17, 1953. Maximum stage known since at least 1869, that of July 1, 1932.

Remarks-- Records good except those for periods of indefinite stage-discharge relation, which are fair. Part of flow of Frio River enters Edwards limestone in Balcones fault zone which crosses basin just north of Uvalde and below station. Most of low flow enters this formation.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1923	-	-	-	-	-	-	-	-	-	-	313	177	-
1924	117	95.6	125	145	159	104	46.2	22.0	25.2	25.8	27.8	28.8	76.7
1925	28.4	34.6	34.0	32.1	78.8	45.4	19.8	17.7	27.3	72.7	54.4	47.3	41.1
1926	45.7	43.4	45.1	56.2	46.5	35.6	487	87.0	53.8	53.8	39.4	51.8	87.9
1927	49.8	164	155	115	78.7	63.7	54.3	36.0	26.2	42.4	31.5	31.7	70.0
1928	32.0	33.6	33.2	31.4	37.5	33.5	15.6	41.5	25.2	35.9	24.0	24.2	30.6
1929	24.2	20.8	20.0	16.6	66.9	46.2	65.2	19.2	23.2	-	-	-	-
1930	-	-	-	-	-	-	-	-	-	407	99.0	84.8	-
1931	110	198	161	216	423	155	376	146	78.7	118	71.5	73.5	177.6
1932	78.3	92.9	126	97.4	127	75.1	2,140	190	879	363	177	133	375.5
1933	134	108	93.2	76.8	71.4	58.4	39.5	35.9	38.6	32.4	34.7	35.6	63.0
1934	42.6	38.8	38.2	63.8	66.2	23.6	17.6	15.9	10.8	10.6	12.2	19.9	30.0
1935	24.3	29.1	24.6	32.2	655	1,750	471	240	408	172	118	129	338
1936	113	96.4	87.3	90.9	95.3	95.0	88.7	56.0	965	396	270	165	209
1937	129	110	118	92.1	67.9	86.8	50.3	33.6	29.1	35.2	44.2	101	74.6
1938	134	116	99.1	95.9	106	71.4	52.1	39.9	31.1	28.1	25.1	30.0	68.8
1939	42.7	43.7	39.5	31.6	23.8	18.9	374	91.6	42.2	63.8	50.3	45.6	72.9
1940	41.5	50.0	45.0	74.9	112	91.8	107	48.0	37.2	29.8	41.6	66.1	62.2
1941	59.0	76.3	87.1	253	337	149	98.4	154	195	218	161	112	159
1942	84.8	74.2	64.0	95.3	119	65.8	55.7	56.1	167	147	109	80.5	93.2
1943	67.8	56.7	53.4	59.7	49.0	57.4	40.4	22.3	26.4	30.0	29.1	40.1	44.3
1944	51.1	52.3	90.3	78.2	105	124	60.6	73.4	94.4	75.7	56.5	65.2	77.2
1945	136	119	103	118	95.6	54.7	34.4	20.1	16.3	61.2	47.4	52.5	71.3
1946	45.8	48.4	40.7	38.0	49.7	36.3	28.1	14.3	27.9	279	106	69.0	65.6
1947	106	100	83.6	86.4	99.4	164	107	55.6	38.9	31.4	37.2	43.8	79.3
1948	40.5	43.0	39.7	33.7	28.4	31.9	28.1	13.7	14.0	19.0	20.1	23.1	27.9
1949	29.0	499	178	138	115	86.0	51.6	51.1	55.2	60.7	53.6	53.9	111
1950	55.7	58.0	55.9	48.1	48.6	43.2	29.1	23.3	22.9	23.7	19.5	24.9	37.6
1951	20.9	25.2	33.1	37.7	122	43.7	14.4	7.05	38.7	11.8	16.5	19.9	32.7
1952	20.4	20.1	23.0	32.0	42.7	27.0	11.8	4.03	1.53	1.54	6.97	20.0	17.6
1953	28.6	23.8	20.9	16.5	7.71	1.19	1.25	2.95	14.3	20.9	20.6	19.7	14.8
1954	17.5	15.9	12.7	10.9	174	59.4	44	18.4	8.78	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

FRIO RIVER AT KNIPPA, TEX.

Location-- Lat. $29^{\circ}18'$, long. $99^{\circ}38'$, near center span at downstream side of bridge on U. S. Highway 90, about 1 ft downstream from Southern Pacific Railroad bridge, 1.2 miles upstream from Dry Frio River, and 0.6 mile west of Knippa, Uvalde County.

Drainage area-- 468 sq mi.

Records available-- September 1952 to September 1953 (discontinued).

Gage-- Wire-weight gage read once daily, oftener during floods. Datum of gage is 939.85 ft. above mean sea level, datum of 1929.

Extremes-- No flow during entire period of record.

Remarks-- All of low flow of Frio River enters Edwards and associated limestones in Balcones fault zone which crosses basin north of Uvalde and above this station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	0	0	0	0	0	0	0	0	0	0	0	0	-
1953	0	0	0	0	0	0	0	0	0	-	-	-	-

(Discontinued)

FRIO RIVER BELOW DRY FRIO RIVER NEAR UVALDE, TEX.

Location-- Lat. $29^{\circ}14'55''$, long. $99^{\circ}40'24''$, on right bank, 1 mile upstream from crossing of old Uvalde-Sabinal road, 4.3 miles downstream from mouth of Dry Frio River, 5 miles downstream from U. S. Highway 90 bridge, and 7.4 miles northeast of Uvalde, Uvalde County.

Drainage area-- 661 sq mi.

Records available-- October 1953 to September 1954. Sum of records published as Frio River at Knippa and Dry Frio River at Knippa for period September 1952 to September 1953 is equivalent to record for this station.

Gage-- Water-stage recorder. Datum of gage is 882.47 ft above mean sea level, datum of 1929.

Extremes-- 1953-54 Maximum discharge, 24,400 cfs May 25, 1954. Maximum stage known since at least 1887, about 35 ft in 1894. Flood of July 1, 1932 reached a stage of about 30 ft. A higher flood than that of 1894 occurred prior to 1887. Above information by local resident.

Remarks-- Records good. Part of flow of Frio River enters Edwards limestone in Balcones fault zone which crosses basin just north of Uvalde and above station. Most of low flow enters this formation. Diversions for irrigation above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1953	-	-	-	-	-	-	-	-	-	0	0	0	-
1954	0	0	0	0	254	0	0	0	0	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

SABINAL RIVER NEAR SABINAL, TEX.

Location-- Lat. $29^{\circ}30'$, long. $99^{\circ}29'$, on right bank, 470 ft upstream from low water crossing on old Sabinal-Utopia road, 3.5 miles downstream from Onion Creek, and 12 miles north of Sabinal, Uvalde County.

Drainage area-- 206 sq mi.

Records available-- October 1942 to September 1954.

Gage--Water-stage recorder. Datum of gage is 1,131.20 ft above mean sea level, datum of 1929.

Average discharge-- 12 years, 20.1 cfs.

Extremes-- 1942-54: Maximum discharge 15,800 cfs May 24, 1954; no flow at times. Flood of July 2, 1932, reached a stage of about 29.9 ft, from information by local residents (discharge, 72,000 cfs, by slope-area determination, at Sabinal, 12 miles downstream from gage).

Remarks-- Records good. No diversion above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1942	-	-	-	-	-	-	-	-	-	83.3	42.8	28.8	"
1943	21.6	16.8	15.7	29.5	14.8	36.6	26.9	7.19	3.02	3.22	3.12	5.27	15.3
1944	13.8	22.8	70.9	46.6	45.9	63.9	28.1	41.1	22.1	16.2	13.5	26.2	34.3
1945	99.8	65.5	85.3	106	55.9	28.1	13.3	4.30	9.46	16.2	11.3	15.9	42.5
1946	12.3	13.2	10.0	17.0	19.1	11.7	4.95	.45	31.7	79.0	47.4	27.8	22.9
1947	35.5	36.8	29.9	27.9	30.9	67.4	25.4	11.9	5.25	1.26	1.21	3.35	22.9
1948	4.45	6.90	7.34	3.47	.80	4.67	2.46	0	5.84	4.97	.71	1.36	3.56
1949	4.68	96.8	61.8	92.4	79.5	49.6	24.5	23.0	21.9	28.8	22.1	18.5	43.2
1950	20.6	26.4	26.2	20.8	20.3	31.0	14.1	3.15	.85	.49	.47	1.08	13.7
1951	1.77	2.20	4.13	4.91	81.8	21.6	3.55	.05	0	0	0	0	10.1
1952	0	0	0	4.50	25.2	20.1	3.17	.17	.05	0	0	.44	4.47
1953	1.64	3.27	2.39	.16	0	0	0	.26	4.64	20.3	9.84	8.09	4.2
1954	4.01	2.06	.56	0	92.7	17.6	9.07	1.41	0	-	-	-	"

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTENTS

SABINAL RIVER AT SABINAL, TEX.

Location.-- Lat. $29^{\circ}19'$, long. $99^{\circ}29'$, near center of span at downstream side of bridge on U. S. Highway 90, about 1,000 ft downstream from Texas and New Orleans Railroad bridge, 0.8 mile west of Sabinal, Uvalde County, and 6.5 miles upstream from Ranchero Creek.

Drainage area.-- 247 sq mi.

Records available.-- September 1952 to September 1954.

Gage.-- Wire-weight gage read once daily, oftener during floods. Datum of gage is 882.17 ft above mean sea level, datum of 1929.

Extremes.-- 1952-54: Maximum discharge, 15,900 cfs May 24, 1954; no flow at times.

Remarks.-- Records good. Small diversions for irrigation above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	-	-	-	-	-	-	-	.06	0	0	0	-
1953	0	0	.08	.08	0	0	0	.41	14.3	10.3	1.48	1.84	2.38
1954	0.73	0.39	0.21	0.15	131	3.90	1.05	0.95	0.15	-	-	-	-

SECO CREEK NEAR UTOPIA, TEX.

Location.-- Lat. $29^{\circ}33'$, long. $99^{\circ}24'$, on right bank, $\frac{1}{2}$ mile downstream from county road crossing, 7.6 miles upstream from Bartz Spring Creek, and 9 miles southeast of Utopia, Uvalde County.

Drainage area.-- 53.2 sq mi.

Records available.-- August 1952 to September 1954.

Gage.-- Water-stage recorder. Datum of gage is 1,245.8 ft above mean sea level, adjustment unknown (Magnolia Oil Company bench mark).

Extremes.-- 1952-54: Maximum discharge, 9,040 cfs May 24, 1954; no flow most of time.

Remarks.-- Records good. No known diversions above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	-	-	-	-	-	-	0	2.32	0	.38	2.32	-
1953	.15	0	.01	0	0	.32	.36	4.05	20.6	10.8	3.89	1.25	3.45
1954	0.78	0.04	0	1.33	40.5	2.63	0.07	0	0	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

SECO CREEK NEAR D'HANIS, TEX.

Location.-- Lat. $29^{\circ}29'$, long. $99^{\circ}23'$, on right bank, $\frac{1}{4}$ mile downstream from concrete dam and road crossing at Woodward Ranch headquarters, 2.8 miles upstream from Bartz Spring Creek, and 12.8 miles northwest of D' Hanis, Medina County.

Drainage area.-- 87.4 sq mi.

Records available.-- August 1952 to September 1954.

Gage.-- Water-stage recorder. Datum of gage is 1,142.8 ft above mean sea level (levels by Ground Water Branch).

Extremes.-- 1952-54: Maximum discharge, 8,110 cfs May 24, 1954; no flow most of time. Maximum stage known since at least 1866, 26.2 ft in May 1935. Flood of Aug. 31, 1894, reached a stage about 10 ft lower than that of May 1935 and was the second highest, from information by local residents.

Remarks.-- Records fair. All of low flow of Seco Creek enters Edwards and associated limestones in the Balcones fault zone which crosses basin just north of Uvalde and above this station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	-	-	-	-	-	-	-	0	0	0	0	-
1953	0	0	0	0	0	0	0	2.81	21.4	6.98	0.03	0	2.59
1954	0	0	0	0	19.7	0	0	0	0	-	-	-	-

HONDO CREEK NEAR TARPLEY, TEX.

Location.-- Lat. $29^{\circ}34'$, long. $99^{\circ}15'$, on left bank, 460 ft downstream from county low-water crossing, 6.2 miles southeast of Tarpley, Bandera County, and 16.7 miles northwest of Hondo.

Drainage area.-- 86.2 sq mi.

Records available.-- August 1952 to September 1954.

Gage.-- Water-stage recorder. Datum of gage is 1,169.1 ft above mean sea level, adjustment unknown (Magnolia Oil Company bench mark).

Extremes.-- 1952-54: Maximum discharge 18,600 cfs May 24, 1954, from rating curve extended above 290 cfs on basis of slope-area determinations of peak flow; no flow at times. Maximum stage known since at least 1907, 26.0 ft in July 1932, from information by local resident.

Remarks.-- Records good. Small diversions for irrigation above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	-	-	-	-	-	-	-	7.26	.01	2.28	10.8	-
1953	4.54	2.66	2.01	1.21	.07	.68	.03	6.45	36.5	49.2	11.4	5.74	10.1
1954	3.74	2.09	1.53	2.13	36.4	8.69	1.39	0.18	0.32	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

HONDO CREEK NEAR HONDO, TEX.

Location.-- Lat. $29^{\circ}27'$, long. $99^{\circ}11'$, on left bank 43 ft upstream from Schlentz's Crossing, 7.8 miles northwest of Hondo, Medina County, and 13.5 miles upstream from Verde Creek.

Drainage area.-- 132 sq mi.

Records available.-- August 1952 to September 1954.

Gage.-- Water-stage recorder and concrete control. Datum of gage is 986.4 ft above mean sea level (Western Geophysical bench mark).

Extremes.-- 1953-54: Maximum discharge, 13,700 cfs May 24, 1954; from rating curve extended above 450 cfs on basis of slope-area determination of peak flow; no flow most of time.

Remarks.-- Records good except those for periods of no gage-height record, which are fair. Most of the low flow of Hondo Creek enters Edwards and associated limestones in Balcones fault zone which crosses basin upstream from station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	-	-	-	-	-	-	-	3.98	0	0	7.97	-
1953	0	0	0	0	0	0	0	3.81	93.2	68.4	0.02	0	13.8
1954	0	0	0	0	42.4	0.26	0	0	0	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

MEDINA RIVER NEAR PIPE CREEK, TEX.

Location.-- Lat. $29^{\circ}40'$, long. $98^{\circ}59'$, on left bank, 600 ft upstream from Bandera Falls, 0.8 mile upstream from Pipe Creek, and 4 miles southwest of town of Pipe Creek, Bandera County.

Drainage area.-- 457 sq mi.

Records available.-- December 1922 to September 1934, December 1952 to September 1954.

Gage.-- Water-stage recorder. Datum of gage is 1,067.37 ft above mean sea level, unadjusted. December 1922 to September 1934, water-stage recorder at site 2 miles upstream at different datum.

Average discharge.-- 12 years (1923-34, 1953-54) 97.7 cfs. (70,730 acre-ft per year).

Extremes.-- 1922-34, 1953-54: Maximum discharge, 64,000 cfs July 1, 1932 (gage height, 33.8 ft from floodmarks, datum then in use), by slope-area determination of peak flow; minimum, 0.3 cfs Sept. 14, 15, 1934.

Remarks.-- Records good. Small diversion above gage.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1923	27.4	39.6	37.0	199	48.0	24.3	37.4	7.80	131	65.8	317	375	109.3
1924	176	170	295	216	210	120	70.7	37.5	39.6	20.6	16.1	20.9	115.9
1925	23.7	20.4	20.2	18.9	67.9	12.1	13.0	3.73	10.5	127	90.5	28.6	36.5
1926	34.1	30.5	54.0	306	197	85.6	131	41.4	14.6	33.5	44.6	89.6	88.7
1927	54.4	228	315	198	95.6	102	33.5	12.4	8.3	22.8	15.6	22.1	91.3
1928	24.8	37.3	44.5	23.6	21.1	107	11.7	4.40	3.26	21.1	9.98	31.3	28.2
1929	19.5	16.3	18.1	15.4	413	78.5	87.5	11.8	15.4	10.3	18.6	36.5	62.4
1930	22.1	19.0	15.9	14.7	227	132	36.0	10.5	5.73	367	93.0	89.0	86.8
1931	203	307	272	486	596	146	249	63.1	26.8	21.2	25.9	47.8	203.2
1932	50.8	69.4	109	117	106	42.7	1,690	150	435	203.	126	124	270.6
1933	197	150	134	106	81.0	44.4	23.1	18.0	20.4	13.1	15.7	20.1	68.1
1934	34.6	35.2	21.0	70.9	24.0	5.24	15.4	4.60	2.03	-	-	-	-
1952	-	-	-	-	-	-	-	-	-	-	-	53.6	-
1953	39.4	26.1	23.1	15.4	7.15	1.65	9.27	42.0	130	187	46.9	32.8	46.9
1954	24.4	21.9	18.2	15.3	73.7	18.6	5.97	1.95	2.34	-	-	-	-

MEDINA LAKE NEAR SAN ANTONIO, TEX.

Location.-- Lat. $29^{\circ}32'$, long. $98^{\circ}56'$, at gate operating platform, 576 ft from left end of Medina Dam on Medina River, 4 miles upstream from Medina diversion Dam, 13 miles north of Castroville, and about 28 miles west of San Antonio, Bexar County.

Drainage area.-- 587 sq mi.

Records available.-- May 1913 to September 1954.

Gage.-- Wire-weight gage read once-daily if stage changing materially, otherwise intermittently. Datum of gage is 7.5 ft below mean sea level (levels by Corps of Engineers). Prior to Sept. 30, 1948, staff gages at same site and datum.

Extremes.-- 1913-54: Maximum contents observed 288,800 acre-ft Sept. 16, 1919 (gage height, 1,078.0 ft); minimum observed since reservoir filled, 780 acre-ft about Apr. 11, 1948 (gage height, 944.0 ft).

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

MEDINA LAKE NEAR SAN ANTONIO, TEX. --CONTINUED

Remarks.-- Reservoir is formed by gravity-type concrete dam. Dam completed and storage begun May 7, 1913. Spillway section is located near right end of dam and is of natural rock, 880 ft long, with a 3-ft wide cutoff wall. Total capacity, 254,000 acre-ft (gage height, 1,072.0 ft, top of spillway section). Water for irrigation is supplied by three 60-inch pipes equipped with vertical lift gates, at gage height 966.5 ft (capacity, 4,780 acre-ft). Reservoir can be emptied by two 30-inch sluice pipes equipped with vertical lift gates, at gage height 920.0 ft. Water used for irrigation of lands in the Bexar, Medina, Atascosa Counties Water Control and Improvement District No. 1, which has a permit from the Texas Board of Water Engineers to divert 300,000 acre-ft of water to irrigate 150,000 acres. No power developed.

Cooperation.-- Gage-height records and capacity table furnished by Bexar, Medina, Atascosa Counties Water Control and Improvement District No. 1.

Medina Lake near San Antonio
Contents in (1,000) acre-feet at end of month

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1913	-	-	-	0	3.8	12.7	13.2	13.2	18.0	56.4	71.4	47.5
1914	151.6	152.5	147.8	158.4	224.8	239.9	235.9	238.9	232.3	225.3	220.7	215.7
1915	211.2	208.1	205.1	258.1	258.1	250.0	239.4	234.4	233.4	226.8	219.2	214.2
1916	210.2	205.1	196.5	227.3	251.7	243.0	241.9	237.4	230.3	226.3	220.2	213.2
1917	208.1	203.1	192.5	184.9	182.3	173.1	163.4	152.5	145.7	136.8	132.9	125.1
1918	119.5	115.6	106.5	109.6	104.2	93.0	80.7	71.0	64.0	64.4	61.8	71.7
1919	75.2	77.0	77.9	80.7	85.2	92.4	117.4	217.7	260.4	259.8	256.3	255.7
1920	256.9	255.7	255.2	253.4	254.0	250.0	239.4	234.4	226.3	218.2	215.7	211.2
1921	207.6	202.6	201.6	200.1	194.0	218.2	206.6	194.5	203.1	196.5	190.7	186.1
1922	181.9	178.1	173.1	187.8	201.1	197.5	187.4	178.1	168.9	161.3	156.7	150.4
1923	145.0	145.7	144.3	152.1	148.2	137.2	126.9	117.7	124.1	125.5	139.0	158.8
1924	165.1	170.6	183.6	196.0	205.1	211.7	203.1	191.2	184.9	177.3	172.2	166.8
1925	160.9	155.0	145.7	137.2	135.1	120.5	108.5	105.3	101.3	106.2	108.2	103.9
1926	102.2	98.5	97.3	123.7	134.0	132.6	131.5	124.1	117.0	112.2	110.2	108.8
1927	105.9	110.2	118.8	128.7	126.9	126.9	125.1	118.1	108.8	103.1	97.3	93.0
1928	87.3	85.9	84.7	82.4	77.7	76.5	69.6	63.0	57.1	51.6	47.1	42.9
1929	40.1	37.2	33.3	29.9	29.6	46.2	51.3	47.6	40.8	34.7	29.6	26.0
1930	23.4	20.4	17.3	14.0	21.9	24.0	17.9	10.9	3.9	21.3	22.9	24.7
1931	32.8	48.2	62.6	77.7	120.2	120.9	127.3	121.3	111.9	104.8	99.0	97.6
1932	97.0	97.3	99.9	101.0	101.6	94.5	190.3	187.0	217.7	224.3	221.8	221.8
1933	229.8	232.8	233.4	229.8	223.3	215.2	202.6	191.6	183.2	173.5	165.1	157.1
1934	154.6	151.2	147.1	148.5	140.7	127.6	119.8	108.2	99.0	99.3	84.7	81.7
1935	79.8	79.8	72.1	71.2	103.9	219.7	148.2	244.2	256.9	254.6	252.3	254.6
1936	254.0	252.9	251.7	247.1	256.3	278.3	253.4	245.9	261.0	255.7	254.6	254.0
1937	254.0	253.4	254.0	252.9	241.9	252.3	244.7	231.3	219.2	210.2	200.6	197.5
1938	203.6	205.1	204.1	206.6	207.6	196.0	184.0	170.1	161.7	144.3	135.1	128.7
1939	126.9	122.7	114.2	102.5	88.7	77.7	79.3	71.0	60.0	59.3	54.4	49.4
1940	44.5	45.6	36.7	37.4	34.7	29.7	25.6	16.0	7.1	1.8	5.9	25.3
1941	25.1	61.8	84.2	112.8	153.7	156.7	149.2	145.0	142.2	142.2	137.9	135.1
1942	129.8	126.2	118.1	116.3	130.5	118.1	113.9	103.9	105.6	135.8	137.9	136.1
1943	133.3	126.9	120.2	115.9	117.0	118.1	110.2	95.9	90.2	82.6	76.6	73.5
1944	72.4	75.4	84.9	83.1	105.9	108.8	97.9	90.2	87.0	80.5	75.6	78.4
1945	94.2	105.9	113.9	123.4	132.2	107.6	94.5	78.9	81.0	89.9	84.5	82.6
1946	79.8	80.3	75.2	69.6	82.1	80.0	67.2	58.2	64.9	81.4	83.3	84.9
1947	97.9	104.5	105.6	101.6	96.5	86.2	72.8	60.6	46.9	29.7	21.3	15.6
1948	9.2	5.5	2.3	2.2	2.8	13.3	9.3	1.4	2.1	5.0	5.1	4.9
1949	6.3	14.4	18.9	31.7	39.8	48.2	41.8	37.4	31.0	28.7	25.6	24.6
1950	23.3	24.6	20.2	18.0	18.5	20.4	16.0	7.7	3.0	2.2	3.0	4.0
1951	4.3	5.1	5.8	7.4	14.4	15.9	14.6	13.1	11.6	10.1	9.6	9.2
1952	9.0	8.3	8.8	11.4	13.5	15.9	15.3	14.3	26.1	24.9	24.7	27.4
1953	28.6	29.0	25.3	19.4	12.6	11.2	10.9	14.6	25.5	34.4	35.7	36.1
1954	36.6	36.4	35.8	35.1	37.4	36.7	35.1	33.4	24.1	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

MEDINA RIVER NEAR RIOMEDINA, TEX.

Location.-- Lat. $29^{\circ}30'$, long. $98^{\circ}54'$, on left bank 233 ft upstream from bridge at Haby's Crossing, 0.8 mile downstream from Bexar, Medina, Atascosa Counties Water Control and Improvement District No. 1 diversion dam, 4.3 miles northwest of Riomedina, Medina County, 9 miles upstream from San Geronimo Creek, and 10 miles north of Castroville.

Drainage area.-- 623 sq mi.

Records available.-- January 1922 to September 1934 (daily record of flow over dam and monthly or annual record of seepage under or around dam), January 1953 to September 1954. Published as near Riomedina 1922-34.

Gage.-- Water-stage recorder. Datum of gage is 857.6 ft above mean sea level, datum of 1929 (river-profile survey). Jan. 21, 1922 to Sept. 30, 1934, water-stage recorder on upstream side of diversion dam 0.8 mile upstream at different datum.

Average discharge.-- 13 years (1922-34, 1953-54), 23.1 cfs. (16,720 acre-ft per year)

Extremes.-- 1922-34, 1953-54: Maximum discharge, about 11,800 cfs Apr. 21, 1926; no flow at times.

Remarks.-- Records good. Flow regulated by Medina Reservoir, about 5 miles upstream, and diversion reservoir, 0.8 mile upstream. All flow is seepage under and around dam except for occasional flow over spillway of dam. Diversion for irrigation above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1922	-	0	0	0	5.41	0	0	0	0	0	0	0	-
1923	0	0	0	0	0	0	0	0	0	0	0	7.95	0.68
1924	5.24	1.20	14.6	24.9	23.3	20.6	3.30	0	1.83	0	0	0	7.91
1925	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	0	0	0	66.8	21.7	0	0	0	0	0	0	0	7.33
1927	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	0	0	0	0	0	0	0	0	0	0	0	0	0
1929	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	0	0	0	0	0	0	0	0	0	3.93	0	0	0.33
1933	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	0	0	0	0	0	0	0	0	0	Station discontinued			-
1953	-	0	2.23	14.0	15.8	6.52	.22	0	5.01	1.11	0	0	-
1954	0	0	.24	0	0	0	0	0	10.8	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

MEDINA RIVER NEAR SAN ANTONIO, TEX.

Location.-- Lat. $29^{\circ}15'$, long. $98^{\circ}28'$, near left bank on downstream side of pier of bridge on U. S. Highway 281, 5.2 miles upstream from mouth, and 9 miles south of San Antonio, Bexar County.

Drainage area.-- 1,225 sq mi (587 sq mi is above dam forming Medina Lake).

Records available.-- October 1929 to December 1930, July 1939 to September 1954. October 1929 to December 1930, records below about 50 cfs in connection with seepage investigation (published as "at Losoya").

Gage.-- Water-stage recorder. Datum of gage is 439.0 ft above mean sea level (levels by Corps of Engineers). October 1929 to December 1930, staff gage at Losoya, 1.5 miles downstream at different datum.

Average discharge.-- 15 years (1939-54), 98.3 cfs. (71,170 acre-ft per year)

Extremes.-- 1939-54: Maximum discharge, 31,800 cfs Aug. 29, 1946; maximum gage height, 41.57 ft Sept. 27, 1946 (backwater from San Antonio River); minimum daily discharge, 4.3 cfs Sept. 4, 5, 1952. Maximum stage known, about 55 ft sometime prior to construction of Medina Dam in 1913, from information by State Highway Department.

Remarks.-- Records good. Flow slightly regulated by Medina Lake 60 miles upstream, and diversion dam reservoir (capacity, 4,500 acre-ft). A considerable part of the low flow is sewage from San Antonio which is released from Mitchell Lake, and waste water from Kelly Field which enters via Leon Creek.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1939	-	-	-	-	--	-	-	36.6	34.9	37.1	37.2	64.5	-
1940	41.3	65.1	44.2	81.7	77.2	131	106	39.5	35.1	81.9	128	138	80.7
1941	73.0	377	98.8	237	202	96.3	64.1	55.0	62.7	66.5	65.0	75.8	121
1942	61.9	89.8	60.5	129	135	60.0	232	68.0	850	606	148	102	212
1943	124	104	89.0	83.1	80.5	87.0	89.4	60.0	100	77.1	98.4	77.3	89.0
1944	106	86.7	82.3	75.4	107	63.2	59.7	123	98.3	92.8	83.9	147	93.9
1945	213	232	143	142	105	142	78.4	85.3	97.2	103	80.4	91.0	125
1946	118	96.9	101	128	124	150	78.6	839	907	246	154	139	257
1947	142	115	109	94.7	94.2	88.5	81.2	82.7	78.0	82.2	99.2	107	97.8
1948	92.2	109	81.2	84.0	43.2	59.3	66.6	64.7	29.6	46.4	37.0	28.9	61.7
1949	43.0	119	36.2	250	76.2	389	56.2	39.7	42.5	267	58.5	112	123
1950	110	72.0	78.6	95.7	79.3	111	49.6	93.6	89.7	55.0	65.6	61.2	80.0
1951	20.2	69.7	47.1	22.2	140	49.1	12.7	12.0	54.4	13.9	13.6	15.1	39.0
1952	17.0	60.5	30.8	24.1	25.3	10.6	8.15	6.40	46.5	8.71	25.1	36.0	24.7
1953	12.5	12.7	41.2	34.3	8.71	7.58	6.96	33.6	356	19.6	16.1	19.5	47.1
1954	17.4	13.2	13.1	35.8	29.2	7.88	6.13	6.88	8.24	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

SAN ANTONIO RIVER AT SAN ANTONIO, TEX.

Location.--Lat. $29^{\circ}24'35''$, long. $98^{\circ}29'40''$, on right bank at downstream side of South Alamo Street bridge, in San Antonio, Bexar County, 2.1 miles upstream from San Pedro Creek.

Drainage area.-- 42 sq mi, approximately. Normal flow of river comes from springs; drainage area of stream not applicable.

Records available.-- January 1915 to November 1929, February 1939 to September 1954. Estimated monthly ground-water discharge contained in WSP 773-B and Texas Board of Water Engineers report for Bexar County dated May 1947.

Gage.-- Water-stage recorder. Datum of gage is 612.26 ft above mean sea level, datum of 1929. Jan. 26, 1915 to Feb. 27, 1916, staff gage at site 2.2 miles upstream at different datum.

Feb. 28, 1916 to Apr. 7, 1920, staff gage at site 1.9 miles upstream at different datum.

Apr. 8, 1920, to Nov. 16, 1929, water-stage recorder at same site and datum.

Average discharge.-- 29 years (1915-29, 1939-54), 61.2 cfs (44,310 acre-ft per year). 1915-29, 1939-54: Maximum discharge, 15,300 cfs Sept. 10, 1921 (gage height, 20.14 ft, from floodmark), from rating curve extended above 2,000 cfs by slope-area determination of peak flow; no flow at times because of regulation. Maximum stage known since at least 1819, that of Sept. 10, 1921; flood of July 5, 1819, equaled or exceeded that of Sept. 10, 1921.

Remarks.-- Records good. Flood flow regulated by Olmos flood-control reservoir capacity, 15,500 acre-ft, about $\frac{3}{4}$ miles upstream. Dam completed in 1926. Normal flow of river formerly came from springs located about 8 miles upstream but now comes largely from artesian wells. Springs emerged from Edwards limestone in Balcones fault zone. Diurnal fluctuation caused by industrial pumping from wells (depleting the underground reservoir) above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1915	-	103	106	219	179	140	171	222	136	116	102	94.4	-
1916	92.7	85.0	75.3	111	98.9	86.2	81.6	95.9	110	82.8	81.0	81.0	90.1
1917	78.9	78.0	68.9	34.1	41.1	25.9	26.8	24.4	23.6	23.9	23.4	23.8	39.2
1918	23.4	22.9	22.2	48.3	82.9	16.5	14.8	30.9	14.0	15.1	9.52	17.7	26.6
1919	33.9	38.7	31.5	46.6	53.6	66.3	116	91.9	186	295	233	208	117.2
1920	258	216	204	183	168	158	143	134	123	119	118	111	161.1
1921	109	98.4	144	123	99.7	107	84.7	69.2	250	108	98.3	80.6	114.1
1922	75.0	63.6	62.3	101	101	115	88.4	76.9	68.5	60.3	71.7	72.9	79.7
1923	56.2	70.0	66.9	81.5	67.0	54.7	48.4	34.0	52.1	53.0	75.5	139	66.5
1924	133	134	160	172	185	201	166	132	123	114	93.8	91.9	150.6
1925	82.8	72.4	66.2	52.9	53.3	35.8	26.7	36.6	31.3	30.2	33.7	30.4	45.9
1926	36.6	33.4	42.2	101	132	94.7	66.4	46.3	36.9	36.6	35.5	37.5	58.4
1927	31.9	34.6	39.4	30.4	29.2	61.1	29.7	24.7	24.7	25.8	22.5	22.0	31.3
1928	21.7	20.0	21.9	20.5	30.5	21.7	15.6	17.9	22.9	19.2	17.1	14.6	20.3
1929	17.5	.9.04	13.6	18.1	27.0	23.9	23.3	18.7	27.0	-	-	-	-
1939	-	-	40.5	29.4	28.9	20.0	19.1	31.3	24.9	18.4	17.1	17.1	-
1940	17.2	20.5	16.3	23.4	27.3	37.6	18.0	16.2	16.8	30.1	17.7	27.2	22.4
1941	26.9	60.7	76.2	131	157	132	101	69.2	80.9	107	106	101	95.7
1942	91.4	83.5	73.3	90.8	82.4	62.0	70.5	35.1	127	214	167	136	103
1943	122	102	97.9	80.7	57.8	49.5	55.4	34.6	34.1	29.6	29.5	28.3	59.9
1944	32.6	29.1	77.9	75.0	93.7	105	45.8	25.3	48.9	39.8	45.5	96.4	59.7
1945	124	163	145	154	123	81.2	55.9	33.8	30.4	55.3	45.6	45.1	87.6
1946	46.5	.45.0	52.6	50.9	60.5	54.4	27.6	29.5	223	139	138	125	82.6
1947	137	128	118	102	80.3	43.3	32.0	40.7	27.8	26.0	24.8	25.5	65.1
1948	24.5	28.2	26.0	23.9	26.5	19.5	27.4	53.2	24.0	29.2	21.0	20.2	27.0
1949	20.1	30.4	26.3	62.4	43.5	58.0	33.4	26.3	26.6	61.7	26.1	29.7	37.0
1950	27.5	27.6	23.5	28.3	26.2	22.8	25.1	31.4	27.3	23.6	20.6	19.4	25.3
1951	19.0	25.2	24.7	20.5	30.7	46.4	21.2	24.2	28.2	24.9	18.2	18.4	25.1
1952	18.6	22.2	19.4	22.9	21.7	26.0	26.4	21.0	25.8	15.1	17.2	21.7	21.5
1953	14.3	15.5	14.0	13.9	12.7	15.0	10.6	17.3	26.5	13.6	10.3	12.1	14.6
1954	11.0	11.1	11.2	13.5	13.8	16.7	13.1	8.79	9.57	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

CIBOLO CREEK NEAR BULVERDE, TEX.

Location-- Lat. $29^{\circ}43'35''$, long. $98^{\circ}25'40''$, on left bank at William Classen ranch house, 1.8 miles downstream from bridge on U. S. Highway 281, 2 miles southeast of Bulverde, Comal County, and 4.7 miles upstream from Dripping Springs Creek.

Drainage area-- 198 sq mi.

Records available-- April 1946 to September 1954.

Gage-- Water-stage recorder. Altitude of gage is about 1,015 ft (from topographic map).

Average discharge-- 8 years, 3.25 cfs. (2,350 acre-ft per year).

Extremes-- 1946-54: Maximum discharge, 11,700 cfs Sept. 11, 1952 (gage height, 15.16 ft, from floodmark) from rating curve extended above 4,400 cfs on basis of slope-area determination of peak flow; no flow most of time.

Remarks-- Records good. The purpose of the station is to determine the streamflow losses during periods of medium and low flow. There are no surface diversions, but much of the surface flow enters sink holes and caverns in the Glen Rose limestone above the station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1946	-	-	-	-	5.58	0	0	0	123	11.7	30.4	5.90	"
1947	16.5	.02	0	0	0	0	0	0	0	0	0	0	1.41
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	.03	50.6	2.61	0	0	0	0	0.01	0	0	4.30
1950	0	0	0	0	0	0	4.24	0	0	0	0	0	0.36
1951	0	0	0	0	0.07	0	0	0	0	0	0	0	0.006
1952	0	0	0	0	0	0	0	0	171	0	0.11	0.02	14.1
1953	0	0	0	0	0	0	2.32	2.99	17.1	0.07	0	0	1.86
1954	0	0	0	0	0	0	0	0	0	-	-	-	-

CIBOLO CREEK ABOVE BRACKEN, TEX.

Location-- Lat. $29^{\circ}40'30''$, long. $98^{\circ}23'00''$, on right bank, 0.1 mile downstream from West Fork Creek, and 5.8 miles northwest of Bracken, Comal County.

Drainage area-- 251 sq mi.

Records available-- March 1946 to September 1951 (discontinued).

Gage-- Water-stage recorder. Altitude of gage about 850 ft (from topographic map).

Extremes-- 1946-51: Maximum gage height, 11.04 ft Sept. 27, 1946, from floodmark (discharge not determined); no flow most of time.

Remarks-- The purpose of the station is to determine the stream-flow losses during periods of medium and low flow. There are no surface diversions, but much of the surface flow enters sink holes and caverns in the Glen Rose limestone above the station.

(Continued on next page)

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

CIBOLO CREEK ABOVE BRACKEN, TEX.--CONTINUED

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1946	-	-	-	0	-	0	0	0	-	9.98	-	13.1	-
1947	14.3	1.14	0	0	0	0	0	0	0	0	0	0	1.30
1948	0	0	0	0	2.69	0	0	0	0	0	0	0	.23
1949	0	0	0	-	5.47	0	0	0	0	0.22	0	0	-
1950	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	0	0	0	0	0	0	0	-	-	-	-

(Discontinued)

CIBOLO CREEK AT SELMA, TEX.

Location-- Lat. $29^{\circ}35'35''$, long. $98^{\circ}18'40''$, on right bank, 0.6 mile downstream from Missouri-Kansas-Texas Railroad bridge, and 0.8 mile upstream from bridge on U. S. Highway 81 at Selma, Bexar County.

Drainage area-- 280 sq mi.

Records available-- March 1946 to September 1954.

Gage-- Water-stage recorder. Datum of gage is 728.34 ft above mean sea level, datum of 1929.

Average discharge-- 8 years, 4.77 cfs. (3,450 acre-ft per year).

Extremes-- 1946-54: Maximum discharge, 36,400 cfs Sept. 11, 1952 (gage height, 19.37 ft) from rating curve extended above 7,000 cfs on basis of slope-area determination of peak flow; no flow most of time. Maximum stage known since at least 1869, about 26 ft in 1889; flood of 1913 was probably about 2 ft lower, from information by local residents.

Remarks-- Records good. There are no surface diversions, but part of flow enters the Edwards limestone in the Balcones fault zone which crosses the basin between this station and station near Bulverde.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1946	-	-	-	0	26.1	2.08	0	0	117	1.25	44.7	4.34	-
1947	.15	0	0	0	0	0	0	0	0	0	0	0	.01
1948	0	0	0	0	0	0	.11	0	0	0.04	0	0	.01
1949	0	0	0	32.3	1.34	0	0	0	0	0.28	0	0	2.79
1950	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	0	0	0	5.25	0	0	0	0	0	0	.43
1952	0	0	0	0	0	0	0	0	370	0.02	0	0	30.4
1953	0	0	0	0.01	0	0	0	0.02	4.11	0	0	0.71	-
1954	0	0	0	0	0	0	0	0	0	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

GUADALUPE RIVER AT HUNT, TEX.

Location.-- Lat. $30^{\circ}03'$, long. $99^{\circ}19'$, at bridge on State Highway 39, half a mile downstream from confluence of North and South Forks, 0.6 mile east of Hunt, Kerr County.

Drainage area.-- About 276 sq mi.

Records available.-- October 1941 to September 1949 (discontinued)

Gage.-- Water-stage recorder and concrete control. Datum of gage is 1,722.7 ft above mean sea level, datum of 1929.

Extremes.-- 1941-49: Maximum gage height, and discharge not determined; minimum, 6.9 cfs June 17, 1948. Maximum stage known, 36.6 ft July 2, 1932, from information by local resident.

Remarks.-- Records good. Discharge not computed above 260 cfs. About 60 acres above station are irrigated.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1941	-	-	-	-	-	-	-	-	-	63.2	53.6	48.6	-
1942	44.3	43.0	39.5	-	-	51.8	38.6	38.8	45.5	71.4	49.7	43.1	-
1943	40.0	38.0	40.5	37.0	34.7	59.2	30.0	22.5	28.0	29.3	29.3	32.5	35.0
1944	38.0	38.1	43.6	34.3	-	54.5	30.4	36.6	45.2	35.7	35.3	41.9	-
1945	66.7	51.9	49.9	59.3	37.6	33.9	29.2	22.6	21.5	-	37.0	46.0	-
1946	39.1	35.6	32.6	33.0	49.8	31.0	23.9	15.5	26.5	-	-	39.8	-
1947	-	55.2	49.7	-	56.1	-	47.8	38.1	29.9	29.6	33.1	36.8	-
1948	32.6	36.4	36.2	38.1	33.6	23.2	33.6	18.9	24.6	22.9	25.8	26.1	29.3
1949	27.6	-	63.5	-	48.6	47.1	29.5	-	34.5	-	-	-	-

(Discontinued)

JOHNSON CREEK NEAR INGRAM, TEX.

Location.-- Lat. $30^{\circ}05'$, long. $99^{\circ}16'$, on right bank, 1.3 miles upstream from Henderson Branch, 3 miles northwest of Ingram, Kerr County, 4.5 miles upstream from mouth, and 9.5 miles northwest of Kerrville.

Drainage area.-- 115 sq mi.

Records available.-- September 1941 to September 1954.

Gage.-- Water-stage recorder. Datum of gage is 1,721.30 ft above mean sea level, datum of 1929.

Average discharge.-- 13 years, 11.9 cfs (8,620 acre-ft per year).

Extremes.-- 1941-54: Maximum discharge, 16,200 cfs June 23, 1947 (gage height, 11.76 ft), from rating curve extended above 1,800 cfs on basis of slope-area determinations at gage heights 9.67 and 11.76 ft; minimum, that of July 16, 1954. Maximum stage known since at least 1852, about 35 ft July 2, 1932, from information by local resident; discharge, 138,000 cfs, by slope-area determination at point half a mile downstream from State Fish Hatchery and about 6 or 7 miles upstream from gage. Flood of June 14, 1935, reached a stage of about 31 or 32 ft, from information by local resident.

Remarks.-- Records poor. Small diversions above station for irrigation.

Revision (water years).-- WSP 1058: 1942-45.

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

JOHNSON CREEK NEAR INGRAM, TEX.--CONTINUED

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1941	-	-	-	-	-	-	-	-	-	31.2	17.1	16.0	-
1942	14.7	15.3	13.4	18.2	33.2	14.2	10.8	9.3	11.4	27.3	17.3	14.6	16.7
1943	12.7	11.7	11.9	12.6	11.1	22.7	10.1	7.38	9.38	8.52	9.45	10.2	11.4
1944	11.5	11.8	12.0	10.1	22.0	12.3	7.24	7.70	11.0	9.32	9.66	13.0	11.5
1945	27.3	15.6	15.7	19.3	12.5	11.0	8.55	7.66	7.34	10.9	9.51	8.95	12.9
1946	10.2	9.45	8.63	8.97	10.4	6.83	4.07	6.95	5.89	13.1	48.9	12.1	12.1
1947	62.7	19.0	17.3	28.4	21.4	83.8	15.4	11.7	9.49	9.04	10.7	11.4	25.0
1948	11.2	12.2	10.1	13.5	15.8	8.30	11.2	12.6	11.6	7.20	8.10	8.82	10.9
1949	9.65	37.2	13.6	29.7	14.5	10.7	7.31	8.86	13.3	11.0	8.96	9.28	14.3
1950	10.1	9.94	9.21	8.65	8.11	7.55	5.86	5.25	7.26	6.62	6.89	6.95	7.68
1951	6.79	7.31	6.92	6.92	11.2	18.2	3.81	3.53	4.32	4.80	5.80	6.52	7.16
1952	6.14	6.05	7.18	8.61	7.09	29.8	6.05	2.90	22.5	6.79	8.27	11.0	10.1
1953	10.8	8.05	8.09	8.15	5.54	2.85	3.41	3.97	7.13	7.31	6.54	6.01	6.48
1954	7.18	6.54	5.50	4.20	5.87	2.98	1.16	1.13	3.02	-	-	-	-

GUADALUPE RIVER AT COMFORT, TEX.

Location-- Lat. $29^{\circ}58'$, long. $98^{\circ}54'$, on left bank, at downstream side of pier of bridge on U. S. Highway 87, a quarter of a mile downstream from Cypress Creek, half a mile east of Comfort, Kendall County, and at mile 397.

Drainage area-- 836 sq mi. (revised).

Records available-- December 1917 to September 1932, May 1939 to September 1954. Published as "near Comfort" December 1917 to September 1932 (records equivalent except during periods of intense local storms).

Gage-- Water-stage recorder. Datum of gage is 1,372.03 ft above mean sea level, datum of 1929. Dec. 16, 1917 to Aug. 10, 1924 and Aug. 11, 1924 to Sept. 30, 1932, staff gages at sites 5 and 4 miles, respectively, upstream at different datums.

Average discharge-- 25 years (1922-32, 1939-54) 136 cfs (98,460 acre-ft per year).

Extremes-- 1917-32, 1939-54: Maximum discharge, 182,000 cfs July 1, 1932 (gage height, 38.4 ft, present site and datum, from floodmarks, from data furnished by Texas Highway Department), from rating curve extended above 13,000 cfs on basis of slope-area determination of peak flow (flood originated above Cypress Creek; no flow at times 1952-54). Maximum stage since at least 1848, that of July 1, 1932; flood of July 16, 1900, reached about same stage, from information by local residents.

Remarks-- Records fair. Small diversions above station for irrigation. Slight regulation at low flow by power plants upstream.

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

GUADALUPE RIVER AT COMFORT, TEX.--CONTINUED

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1918	30.8	27.8	23.4	183	25.1	8.13	1.54	68.4	40.2	32.2	-	-	-
1919	-	105	156	111	169	179	285	-	-	-	804	524	-
1920	433	340	277	213	-	-	114	-	89.7	70	-	168	-
1921	101	87	141	131	83.8	-	65.3	43.8	-	46.7	52.5	57.6	-
1922	60.5	59.8	58.3	-	-	68.8	40.1	38.0	31.0	30.6	49.9	40.5	-
1923	40.6	63.1	63.0	135	62.8	34.3	12.5	9.14	356	98.8	418	346	136.9
1924	231	178	388	270	207	316	96.5	55.6	70.9	62.5	64.9	67.2	167.1
1925	68.2	62.3	58.6	46.4	61.8	35.2	20.1	25.7	41.5	209	149	62.3	70.1
1926	68.3	55.5	105	185	167	82.9	207	55.2	38.8	61.6	80.2	96.0	100.6
1927	67.5	271	222	178	78.6	112	48.7	28.9	43.7	82.7	43.7	50.6	101.0
1928	53.3	61.9	91.5	49.8	60.2	97.0	19.5	18.7	36.6	37.0	39.8	44.3	50.7
1929	45.4	42.8	43.8	36.5	708	81.6	151	20.2	51.3	26.1	29.1	46.9	108.0
1930	40.3	37.4	38.4	37.7	400	76.5	23.9	13.3	17.5	771	99.3	89.2	138.7
1931	140	208	183	358	328	124	135	69.4	43.0	45.7	64.6	74.4	147.3
1932	78	106	174	390	183	74.0	2,590	142	572	-	-	-	-
1939	-	-	-	-	-	17.5	145	49.3	30.4	130	52.1	50.0	-
1940	51.5	80.6	94.7	308	241	187	139	82.2	45.3	93.4	173	449	162
1941	141	560	428	801	784	259	166	115	213	313	151	134	337
1942	122	112	93.4	466	638	172	95.6	70.4	94.7	255	143	126	199
1943	106	94.4	101	110	82.5	208	58.9	28.8	46.7	51.9	50.3	65.3	83.4
1944	88.3	109	187	117	1,114	367	96.2	103	126	138	91.1	195	229
1945	317	303	411	365	156	101	83.3	41.1	158	190	91.0	198	201
1946	122	138	138	127	223	130	45.7	24.6	68.0	269	428	189	158
1947	401	268	215	236	201	410	115	67.6	44.1	42.8	60.5	68.9	177
1948	63.3	85.0	75.8	82.8	67.3	56.5	67.8	23.9	32.0	40.7	36.9	42.9	56.1
1949	55.8	347	176	201	136	118	54.4	123	98.2	60.9	53.3	61.6	122
1950	69.3	77.8	60.0	87.3	92.3	58.3	29.0	17.2	30.5	27.2	32.5	35.8	51.2
1951	36.8	42.2	69.0	49.7	192	119	15.2	6.16	10.9	13.0	27.5	29.7	50.9
1952	29.5	30.9	38.2	83.6	132	110	25.0	3.20	382	41.0	38.4	119	85.6
1953	91.2	57.3	56.0	41.6	19.7	2.33	9.10	13.1	111	59.4	40.5	36.4	44.6
1954	38.0	32.7	22.7	62.5	63.5	9.66	2.12	0	0	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

GUADALUPE RIVER NEAR SPRING BRANCH, TEX.

Location.-- Lat. $29^{\circ}51'40''$, long. $98^{\circ}23'00''$, on right bank at downstream side of pier of bridge on county highway, 4 miles southeast of Spring Branch, Comal County, 6 miles downstream from Curry Creek, and at mile 334.

Drainage area.-- 1,282 sq mi.

Records available.-- June 1922 to September 1954.

Gage.-- Water-stage recorder. Datum of gage is 948.13 ft above mean sea level, datum of 1929.

Average discharge.-- 32 years, 256 cfs. (185,300 acre-ft year)

Extremes.-- 1922-54: Maximum discharge, 121,000 cfs July 3, 1932 (gage height, 42.10 ft), from rating curve extended above 70,000 cfs by logarithmic plotting; no flow at times in 1951, 1952 and 1954. Maximum stage known since at least 1859, about 53 ft in 1869; flood of July 1900 reached a stage of about 49 ft, from information by local resident.

Remarks.-- Records good. Small diversions above station for irrigation. Slight regulation by power plants upstream.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1922	-	-	-	-	-	-	69.1	44.9	34.8	30.6	49.9	40.5	-
1923	40.6	63.1	63.0	135	62.8	34.3	12.5	9.14	356	102	590	829	191.6
1924	417	450	640	565	798	484	168	79.1	118	78.0	87.1	95.4	330.4
1925	88.9	80.3	69.3	58.9	72.9	32.9	21.4	30.0	45.0	296	189	81.8	89.0
1926	89.1	73.5	147	767	394	162	228	86.8	53.1	67.7	109	132	192.5
1927	93.5	301	419	362	193	404	105	46.8	50.2	105	57.9	69.4	182.6
1928	73.0	91.0	142	59.5	70.0	121	27.1	19.5	31.0	39.9	36.7	42.6	62.6
1929	45.2	46.4	56.8	84.7	1,180	240	443	52.0	43.1	33.0	48.1	70.8	197.5
1930	57.9	63.9	55.3	45.4	412	399	69.7	19.9	19.5	870	173	151	196.2
1931	299	554	472	700	919	274	256	128	65.6	57.7	83.1	103	324.6
1932	158	162	345	234	255	104	3,740	205	631	260	176	204	544.3
1933	352	234	231	185	232	121	65.3	51.0	54.7	48.9	53.1	61.1	140.4
1934	115	88.5	123	228	98.7	36.0	77.6	22.5	25.7	17.7	31.3	41.1	75.2
1935	40.7	84.4	49.9	55.8	933	3,997	425	163	983	337	237	351	635
1936	260	201	198	149	711	946	1,214	214	4,055	1,131	662	531	853
1937	454	374	400	285	182	622	143	70.6	79.1	93.0	87.9	227	250
1938	490	315	229	411	371	165	90.2	51.5	61.3	47.4	54.5	56.1	194
1939	101	74.1	67.5	66.3	74.3	22.2	151	54.2	23.7	229	64.9	66.2	83.3
1940	66.3	97.8	148	372	265	330	174	82.8	48.9	69.1	216	646	210
1941	232	274	1,039	1,504	1,820	585	378	181	269	411	220	183	670
1942	153	142	124	652	835	238	142	106	379	480	283	233	315
1943	207	164	161	184	127	294	140	47.7	91.1	71.1	63.2	89.1	136
1944	147	244	500	293	1,662	637	189	287	313	256	175	482	434
1945	733	761	960	726	304	187	151	94.6	245	329	156	385	417
1946	238	309	311	243	487	234	89.1	54.3	232	389	758	447	316
1947	964	605	432	415	345	444	170	93.3	58.6	55.2	76.2	91.2	311
1948	83.9	95.8	88.6	89.2	74.7	166	89.4	35.0	39.2	56.9	44.4	52.4	76.1
1949	69.0	377	215	402	300	170	78.7	128	112	77.6	70.4	78.9	171
1950	85.9	107	80.4	113	183	106	81.3	31.1	42.5	32.6	36.0	48.2	78.7
1951	47.9	53.6	82.4	66.0	182	119	13.3	.91	.91	5.91	21.0	36.2	52.4
1952	32.1	31.3	40.3	110	331	154	36.0	7.08	2,119	75.6	78.5	187	264.3
1953	163	107	109	83.3	45.1	10.4	15.7	15.9	247	85.7	61.4	61.1	247.7
1954	60.2	46.7	36.6	25.7	118	12.3	.54	.25	.29	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

GUADALUPE RIVER ABOVE COMAL RIVER AT NEW BRAUNFELS, TEX.

Location.-- Lat. $29^{\circ}42'55''$, long. $98^{\circ}06'40''$, on right bank, at New Braunfels, Comal County, 1.1 miles upstream from Comal River, and at mile 281.

Drainage area.-- 1,624 sq mi.

Records available.-- December 1927 to September 1954. March 1898 to December 1899, January 1915 to December 1927, at site 1 mile downstream from Comal River, published as "at New Braunfels"; records not equivalent owing to inflow of Comal River.

Gage.-- Water-stage recorder and concrete control. Datum of gage is 586.65 ft above mean sea level, datum of 1929.

Average discharge.-- 26 years (1928-54), 356 cfs. (257,700 acre-ft per year)

Extremes.-- 1927-54. Maximum discharge, 101,000 cfs June 15, 1935 (gage height, 32.95 ft); minimum, 2.2 cfs Sept. 27-29, 1954. Maximum stage known, 38 ft sometime in 1869 and in December 1913, from information by local residents.

Remarks.-- Records good. Small diversions above station for irrigation. Some regulation at low flow by small power plants upstream.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1928	84.3	195	243	93.3	88.7	148	34.2	21.6	31.2	38.8	41.1	57.6	89.3
1929	92.6	56.1	64.1	138	1,460	506	716	102	74.6	55.2	71.5	85.6	288.0
1930	74.1	78.7	69.9	55.7	626	474	106	30.8	22.7	858	196	203	234.7
1931	397	764	722	751	1,420	403	501	204	105	79.3	101	133	463.9
1932	282	269	470	283	293	127	3,660	224	667	288	191	221	585.8
1933	375	268	264	216	237	127	76.0	73.1	74.6	55.9	60.7	66.2	157.3
1934	149	169	273	379	138	53.5	90.5	47.4	28.5	19.4	49.6	61.3	121
1935	65.0	148	74.9	68.5	1,294	4,571	724	342	1,100	463	290	400	816
1936	308	227	248	179	741	760	1,951	301	4,200	1,282	711	547	953
1937	492	446	554	372	216	808	206	99.5	99.2	123	108	361	322
1938	822	526	347	654	698	266	142	86.5	88.2	68.4	74.7	92.2	321
1939	124	90.8	79.7	79.0	84.0	34.4	147	62.3	28.6	206	64.5	65.6	89.2
1940	71.2	103	146	392	259	354	213	76.7	47.4	45.7	263	902	240
1941	299	1,402	1,295	1,838	2,350	862	621	298	321	527	292	231	857
1942	196	186	160	759	859	272	218	138	818	832	456	368	439
1943	286	215	206	249	176	367	240	91.7	133	105	86.9	109	188
1944	301	488	879	487	1,970	935	337	331	436	306	247	705	620
1945	1,049	1,141	1,250	1,074	495	311	235	138	250	451	207	410	581
1946	341	478	589	374	615	416	150	104	509	676	1,204	822	522
1947	1,281	872	620	526	455	488	213	175	90.8	78.5	90.8	107	414
1948	96.3	109	104	93.3	112	192	120	35.1	41.2	66.5	50.6	60.8	90.0
1949	83.1	389	335	565	494	241	122	149	112	152	99.5	104	236
1950	106	194	120	140	218	143	97.9	33.3	41.5	35.1	36.8	50.5	101
1951	51.3	64.3	90.6	89.1	179	159	18.1	5.57	11.0	7.68	20.8	40.9	61.3
1952	38.7	34.6	41.0	139	378	230	43.8	10.9	3,079	156	131	315	379.4
1953	331	176	143	137	75.3	23.2	34.9	30.6	402	200	116	166	152.5
1954	95.4	75.2	52.4	37.1	112	25.2	6.87	6.05	3.82	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

COMAL RIVER AT NEW BRAUNFELS, TEX.

Location.-- Lat. $29^{\circ}42'05''$, long. $98^{\circ}07'10''$, on right bank, 200 ft upstream from San Antonio Street viaduct in New Braunfels, Comal County, and 1.1 miles upstream from mouth.

Drainage area.-- 117 sq mi. Ordinary flow of river comes from springs, drainage area of stream not applicable.

Records available.-- 1882 to September 1954. 1882 to November 1927 (discharge measurements only).

Gage.-- Water-stage recorder. Datum of gage is 582.80 ft above mean sea level, datum of 1929.

Average discharge.-- 22 years (1932-54), 309 cfs. (223,700 acre-ft per year).

Extremes.-- 1927-54: Maximum discharge, 35,000 cfs Sept. 11, 1952 (gage height, 36.14 ft, from floodmark), from rating curve extended above 1,600 cfs on basis of slope-area determinations at gage height 14.87 ft and of peak flow; minimum daily discharge, 72 cfs Sept. 25, 1954. Maximum stage known since at least 1889, 37.65 ft, gage datum, Oct. 17, 1870, from floodmark about $\frac{1}{2}$ mile downstream (probably some backwater from Guadalupe River).

Remarks.-- Records good. Diurnal fluctuations from steam power plant $\frac{1}{2}$ mile upstream. Entire flow of river from Comal Springs, about 1 mile upstream, except during periods of local rain. Springs emerge from the Edwards limestone in the Balcones fault zone.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1928	299	-	-	298	-	-	289	275	274	283	277	280	-
1929	282	274	273	277	-	306	-	310	300	290	293	285	-
1930	278	270	257	262	-	-	299	269	265	-	260	269	-
1931	289	223	356	330	-	345	-	322	329	315	296	296	-
1932	322	315	327	-	303	311	334	347	-	324	316	321	-
1933	311	299	311	340	333	305	322	306	311	292	299	309	311.6
1934	327	307	339	332	328	325	337	325	299	309	291	295	318
1935	296	297	294	302	396	362	343	342	350	345	355	370	338
1936	375	369	358	335	365	405	372	359	367	366	361	354	365
1937	348	351	364	375	385	470	359	341	337	319	315	332	358
1938	346	330	330	419	387	366	354	342	352	340	338	331	353
1939	324	329	320	316	304	305	270	289	308	287	276	286	301
1940	285	288	286	294	267	313	287	276	276	274	274	327	287
1941	297	313	325	421	459	392	358	361	342	375	342	335	360
1942	338	337	335	344	316	318	367	319	446	453	405	416	366
1943	408	390	374	356	333	336	328	318	326	307	317	314	342
1944	350	334	370	383	401	377	355	328	333	325	314	343	351
1945	372	415	430	432	414	376	346	341	335	364	331	336	374
1946	327	321	344	331	395	444	374	359	457	395	431	401	382
1947	422	407	407	394	397	345	329	327	320	312	309	309	356
1948	305	308	297	296	285	278	267	257	258	258	261	256	277
1949	259	249	271	317	313	317	312	306	288	313	282	284	293
1950	284	286	279	275	270	278	255	246	247	250	241	235	262
1951	232	225	223	217	219	221	193	181	181	184	192	203	206
1952	192	182	182	186	183	182	163	135	663	193	203	228	223.6
1953	231	227	219	244	204	178	143	128	188	196	205	205	197.0
1954	206	204	172	148	150	121	105	85.4	78.4	-	-	-	-

RECORDS OF SELECTED STREAM FLOW AND RESERVOIR CONTENTS--CONTINUED

BLANCO RIVER AT WIMBERLEY, TEX.

Location-- Lat. 29°59', long. 98°04', on left bank, 800 ft downstream from Cypress Creek, 1,200 ft upstream from bridge on State Highway 12, and a quarter of a mile south of Wimberley, Hays County.

Drainage area-- 364 sq mi.

Records available-- August 1924 to September 1926, June 1928 to September 1954.

Gage-- Water-stage recorder. Datum of gage is 802.23 ft above mean sea level, datum of 1929. Aug. 6, 1924 to Sept. 30, 1926, inclined and vertical staff gage at site 30 ft upstream at same datum.

Average discharge-- 28 years (1924-26, 1928-54) 101 cfs. (73,120 acre-ft per year).

Extremes-- 1924-26, 1928-54: Maximum discharge, 113,000 cfs May 28, 1929 (gage height, 31.10 ft, from floodmarks), from rating curve extended above 30,000 cfs on basis of slope-area determinations at 30.1 ft and of peak flow; minimum, 2.9 cfs Oct. 5, 6, 1940. Maximum stage known since at least 1869, that of May 28, 1929, from information by local residents.

Remarks-- Records good. No diversion above station.

Monthly and yearly mean discharge in cubic feet per second

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1924	-	-	-	-	-	-	-	-	62.5	25.4	23.1	23.6	-
1925	22.4	20.3	18.0	16.8	14.1	9.20	8.62	9.65	927	a/78.0	a/78.0	a/78.0	105.7
1926	a/78.0	a/78.0	87.2	713	289	111	a/60.0	a/60.0	a/60.0	-	-	-	-
1927	-	-	-	-	-	-	-	-	-	-	-	-	-
1928	-	-	-	-	-	-	11.9	14.9	6.93	8.10	11.4	17.5	-
1929	21.8	11.9	13.7	97.2	1.360	311	295	55.0	31.9	18.7	27.1	b/23.4	191.1
1930	b/20.0	19.2	18.4	16.1	278	108	44.6	18.4	14.6	79.6	38.1	69.1	60.9
1931	158	404	360	344	311	104	201	50.5	32.4	24.5	23.5	29.0	168.7
1932	b/65.5	b/69.7	161	b/67.0	51.0	32.8	31.7	33.0	31.6	20.0	19.8	17.4	50.1
1933	28.5	28.9	35.1	33.2	31.1	18.8	19.4	27.0	19.7	14.5	11.7	12.0	23.3
1934	52.1	62.2	133.	270	68.0	28.8	22.2	16.5	8.54	11.3	35.4	18.2	60.2
1935	15.4	38.6	16.0	13.5	423	736	105	40.8	126	59.3	41.9	54.2	139.0
1936	47.1	34.4	39.3	30.1	207	319	588	95.9	b/45.7	b/141	112	101	147.5
1937	150	143	237	133	60.5	85.1	54.8	24.8	28.4	93.9	22.6	104	94.7
1938	342	247	139	487	371	138	71.1	33.9	23.7	19.9	b/15.7	b/21.5	158.4
1939	25.0	19.9	17.7	b/39.0	14.3	11.4	b/30.9	11.3	8.84	13.9	13.0	12.7	18.1
1940	9.81	14.3	24.3	59.0	16.3	70.7	46.6	18.5	16.9	6.24	130	414	69.2
1941	128	519	562	567	744	604	177	58.1	40.0	101	43.5	34.3	296.6
1942	29.6	31.5	29.7	212	77.5	44.9	28.7	62.0	381	257	162	107	118.4
1943	84.8	64.4	71.7	95.2	58.3	46.6	63.3	24.1	48.6	25.1	20.6	19.2	51.7
1944	85.6	242	351	197	313	225	80.5	141	178	46.6	51.1	252	180.1
1945	335	403	494	280	125	95.7	61.5	33.7	34.0	51.7	34.0	99.1	169.3
1946	101	196	268	142	121	85.2	46.4	34.5	57.7	77.1	509	329	163.3
1947	396	243	153	115	82.9	55.1	33.4	28.2	22.1	21.3	20.6	20.7	98.1
1948	19.2	20.1	15.8	16.5	64.1	23.0	19.8	11.4	10.3	31.6	13.2	12.9	21.6
1949	15.1	45.6	47.8	294	180	55.9	31.6	22.0	14.5	16.1	14.6	15.9	62.5
1950	14.8	30.0	17.6	45.4	62.6	43.1	23.7	15.3	14.2	11.8	11.5	10.8	25.0
1951	10.1	11.0	13.5	13.9	18.7	53.7	8.12	5.84	13.2	7.10	8.83	8.68	14.3
1952	7.74	8.57	8.98	40.6	101	79.9	23.8	10.8	1.413	62.4	46.4	78.3	155.0
1953	124	71.3	59.5	87.6	52.7	25.9	18.7	58.6	214	60.9	64.6	72.3	75.6
1954	46.1	38.0	28.6	22.5	17.1	11.4	8.64	7.68	7.39	--	--	--	--

a/ Estimated.

b/ Partially estimated.

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES

West Nueces River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1941						
May 13	1,000 ft above gaging station near Brackettville	0	2.3	-	-	-
13	2.6 miles above Live Oak Creek	9.2	8.3	-	+6.0	+6.0
13	Live Oak Creek 0.5 mile above mouth	11.8	-	4.8	-	-
13	1.6 miles below Live Oak Creek	13.4	21.1	-	+8.0	+14.0
13	0.8 mile above mouth of river	37.0	0	-	-21.1	-7.1

Nueces River

1924						
Mar. 23	Laguna	0	149	-	-	-
24	Chalk Bluff	5.1	115	-	-34	-34
24	Riverview	9.1	123	-	+8	-26
24	Mouth of West Fork	11.6	64.7	-	-58.3	-84.3
25	Southern Pacific Railroad bridge	16.1	34.6	-	-30.1	-114.4
25	Uvalde-Del Rio crossing	18.9	81.2	-	-33.4	-147.8
25	Tom Nunn crossing (Uvalde gaging station)	20.9	22.8	-	+21.6	-126.2
25	Tom Nunn Hill dam site	22.5	23.7	-	+.9	-125.3
25	Uvalde-Eagle Pass crossing	26.4	37.6	-	+13.9	+111.2
26	San Antonio, Uvalde & Gulf Railroad bridge	29.4	29.2	-	-8.4	-119.6
26	La Pryor crossing	34.2	32.2	-	+3	-116.6
1925						
Apr. 30	Laguna	0	35.3	-	-	-
30	Chalk Bluff	5.1	13.5	-	-21.8	-21.8
30	Cline crossing near Uvalde	18.9	0	-	-13.5	-35.3
30	Tom Nunn crossing	20.9	4.3	-	+4.3	-31.0
30	Tom Nunn Hill	22.8	1.5	-	-2.8	-33.8
May 1	Old Eagle Pass road crossing	26.8	9.0	-	+7.5	-26.3
1	San Antonio, Uvalde & Gulf Railroad crossing	29.8	2.8	-	-6.2	-32.5
8	Habey ranch	31.6	0	-	-2.8	-35.3
8	Mouth of Live Oak Creek	34.5	.5	-	+.5	-34.8
1	Uvalde-La Pryor crossing	34.5	.5	-	0	-34.8
1	Due east of La Pryor	40.7	0	-	-.5	-35.3
1	La Pryor ranch house	43.2	0	-	0	-35.3
1	4 miles below La Pryor ranch house	47.4	8.0	-	+8.0	-27.3
2	2 miles above Cinonia	54.9	5.4	-	-2.6	-29.9

a Estimated.

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Nueces River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1931						
May 16	Laguna	0	316	-	-	-
16	Mouth of West Fork	13.0	259	-	-57	-57
16	Southern Pacific Railroad bridge	18.0	222	-	-37	-94
16	Uvalde-Del Rio road crossing	20.6	199	-	-23	-117
16	Gaging station near Uvalde	22.7	219	-	+20	-97
17	Uvalde-Eagle Pass road crossing	28.2	229	-	+10	-87
17	San Antonio, Uvalde & Gulf Railroad bridge	31.6	227	-	-2	-89
17	Old Uvalde-La Pryor road crossing	36.3	221	-	-6	-95
17	Gas well 5 miles northeast of La Pryor	39.6	219	-	-2	-97
17	La Pryor-Batesville road crossing	44.8	208	-	-11	-108
17	Former gaging station near Cinonia	56.5	240	-	+32	-76
19	Laguna	0	275	-	-	-
19	6.8 miles above mouth of West Fork	6.2	279	-	+4	+4
19	2.6 miles above mouth of West Fork	10.4	274	-	-5	-1
19	Gaging station near Uvalde	22.7	196	-	-78	-79
June 4	Laguna, Tex.	0	192	-	-	-
4	2.6 miles above West Fork	10.4	187	-	-5	-5
4	Mouth of West Fork	13.0	157	-	-30	-35
4	Southern Pacific Railroad bridge	18.0	116	-	-41	-76
5	Uvalde-Del Rio road crossing	20.6	84.6	-	-31.4	-107.4
5	Gaging station near Uvalde	22.7	114	-	+29.4	-78
5	San Antonio, Uvalde & Gulf Railroad bridge	31.6	118	-	+4	-74
5	Gas well 5 miles northeast of La Pryor	39.6	111	-	-7	-81
6	La Pryor-Batesville road crossing	44.8	107	-	-4	-85
6	3½ miles above Cinonia bridge	53.0	108	-	+1	-84
15	Laguna	0	156	-	-	-
15	2.6 miles above West Fork	10.4	140	-	-16	-16
15	Mouth of West Fork	13.0	106	-	-34	-50
15	Southern Pacific Railroad bridge	18.0	69.7	-	-36.3	-86.3
15	Uvalde-Del Rio road crossing	20.6	46.6	-	-23.1	-109.4
16	Gaging station near Uvalde	22.7	63.7	-	+17.1	-92.3
16	Uvalde-Eagle Pass road crossing	28.2	81.2	-	+17.5	-74.8
16	San Antonio, Uvalde & Gulf Railroad bridge	31.6	75.7	-	-5.5	-80.3
16	Gas well 5 miles northeast of La Pryor	39.6	65.1	-	-10.6	-90.9
16	La Pryor-Batesville road crossing	44.8	60.4	-	-4.7	-95.6
17	3½ miles above Cinonia bridge	53.0	69.0	-	+8.6	-87.0
17	Former gaging station near Cinonia	56.5	82.4	-	+13.4	-73.6
22	Laguna	0	138	-	-	-
22	2.6 miles above West Fork	10.4	124	-	-14	-14
22	Mouth of West Fork	13.0	84.1	-	-39.9	-53.9
22	Southern Pacific Railroad bridge	18.0	43.4	-	-40.7	-94.6
22	Uvalde-Del Rio road crossing	20.6	21.5	-	-21.9	-116.5
23	Gaging station near Uvalde	22.7	40.2	-	+18.7	-97.8
23	Uvalde-Eagle Pass road crossing	28.2	57.2	-	+17.0	-80.8
23	San Antonio, Uvalde & Gulf Railroad bridge	31.6	50.1	-	-7.1	-87.9
23	Gas well 5 miles northeast of La Pryor	39.6	40.9	-	-9.2	-97.1
23	La Pryor-Batesville road crossing	44.8	33.2	-	-7.7	-104.8
24	3.5 miles above Cinonia bridge	53.0	45.3	-	+12.1	-92.7
24	Former gaging station near Cinonia	56.5	46.1	-	+8	-91.9
July 2	Laguna	0	118	-	-	-
2	2.6 miles above West Fork	10.4	101	-	-17	-17
2	Mouth of West Fork	13.0	63.8	-	-37.2	-54.2
2	Southern Pacific Railroad bridge	18.0	27.5	-	-36.3	-90.5
2	Uvalde-Del Rio road crossing	20.6	6.31	-	-21.2	-111.7
3	Gaging station near Uvalde	22.7	26.9	-	+20.6	-91.1
3	Uvalde-Eagle Pass road crossing	28.2	43.9	-	+17.0	-74.1
3	San Antonio, Uvalde & Gulf Railroad bridge	31.6	39.6	-	-4.3	-78.4
3	Gas well 5 miles northeast of La Pryor	39.6	29.6	-	-10.0	-88.4
3	La Pryor-Batesville road crossing	44.8	24.2	-	-5.4	-93.8
4	3½ miles above Cinonia bridge	53.0	35.8	-	+11.6	-82.2
4	¾ mile below Cinonia bridge	56.7	35.5	-	-3	-82.5

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Nueces River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1931						
July 9	Laguna	0	98.9	-	-	-
9	2.6 miles above West Fork	10.4	69.4	-	-29.5	-29.5
9	Mouth of West Fork	13.0	36.5	-	-32.9	-62.4
9	Southern Pacific Railroad bridge	18.0	4.6	-	-31.9	-94.3
9	Uvalde-Del Rio road crossing	20.6	11.5	-	-3.1	-97.4
9	Gaging station near Uvalde	22.7	21.6	-	+20.1	-77.3
13	Gaging station near Uvalde	0	17.5	-	-	-
13	Uvalde-Eagle Pass road crossing	5.5	33.6	-	+16.1	+16.1
13	San Antonio, Uvalde & Gulf Railroad bridge	8.9	29.0	-	-4.6	+11.5
13	Gas well 5 miles northeast of La Pryor	16.9	17.9	-	-11.1	+4
13	La Pryor-Batesville road crossing	22.1	11.5	-	-6.4	-6.0
13	3½ miles above Cinonia bridge	30.3	23.4	-	+11.9	+5.9
13	¼ mile below Cinonia bridge	33.8	21.5	-	1.9	+4.0
16	Laguna	0	91.8	-	-	-
16	6.8 miles above West Fork	6.2	79.9	-	-11.9	-11.9
16	2.6 miles above West Fork	10.4	63.8	-	-16.1	-28.0
16	Mouth of West Fork	13.0	25.1	-	-38.7	-66.7
16	Uvalde-Del Rio road crossing	20.6	0.0	-	-25.1	-91.8
17	Gaging station near Uvalde	22.7	18.8	-	+18.8	-73.0
Aug 29	Laguna	0	119	-	-	-
29	2.6 miles above West Fork	10.4	56.8	-	-62.2	-62.2
29	Mouth of West Fork	13.0	40.2	-	-16.6	-78.8
29	Southern Pacific Railroad crossing	18.0	15.2	-	-25.0	-103.8
30	Uvalde-Del Rio road crossing	20.6	7.8	-	-7.4	-111.2
30	Gaging station near Uvalde	22.7	25.9	-	+19.1	-92.1
30	Uvalde-Eagle Pass road crossing	28.2	36.3	-	+9.4	-82.7
30	San Antonio, Uvalde & Gulf Railroad crossing	31.6	38.8	-	+2.5	-80.2
Nov. 14	Laguna	0	64.2	-	-	-
14	6.8 miles above West Fork	6.2	43.0	-	-21.2	-21.2
15	2.6 miles above West Fork	10.4	14.9	-	-28.1	-49.3
15	Mouth of West Fork	13.0	0	-	-14.9	-64.2
15	Southern Pacific Railroad bridge	18.0	0	-	0	-64.2
15	Uvalde-Del Rio road crossing	20.6	0	-	0	-64.2
15	Gaging station near Uvalde	22.7	9.0	-	+9.0	-55.2
15	Uvalde-Eagle Pass road crossing	28.2	16.8	-	+7.8	-47.4
16	San Antonio, Uvalde & Gulf Railroad bridge	31.6	12.7	-	-4.1	-51.5
16	Gas well 5 miles northeast of La Pryor	39.6	4.0	-	-8.7	-60.2
1932						
Jan. 24	Laguna	0.0	64.0	-	-	-
24	6.8 miles above West Fork	6.2	46.2	-	-17.8	-17.8
24	2.6 miles above West Fork	10.4	22.9	-	-23.3	-41.1
24	Mouth of West Fork	13.0	0	-	-22.9	-64.0
24	Southern Pacific Railroad bridge	18.0	0	-	0	-64.0
24	Uvalde-Del Rio road crossing	20.6	0	-	-	-64.0
24	Gaging station near Uvalde	22.7	8.1	-	+8.1	-55.9
25	Uvalde-Eagle Pass road crossing	28.2	14.4	-	+6.3	-49.6
25	San Antonio, Uvalde & Gulf Railroad bridge	31.6	12.8	-	-1.6	-51.2
25	Old Uvalde-La Pryor road crossing	36.3	8.3	-	-4.5	-55.7
25	Gas well 5 miles northeast of La Pryor	39.6	4.5	-	-3.8	-59.5

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Nueces River

Year	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1932						
Nov. 1	Laguna	0	244	-	-	-
1	6.8 miles above West Fork	6.2	247	-	+3	+3
1	2.6 miles above West Fork	10.4	298	-	+51	+54
1	Mouth of West Fork	13.0	a240	-	-58	-4
2	Southern Pacific Railroad bridge	18.0	218	-	-22	-26
2	Uvalde-Del Rio Railroad crossing	20.6	218	-	0	-26
2	Gaging station near Uvalde	22.7	251	-	+33	+7
2	Uvalde-Eagle Pass Railroad crossing	28.2	262	-	+11	+18
3	San Antonio, Uvalde & Gulf Railroad bridge	31.6	249	-	-13	+5
3	Old Uvalde-La Pryor Railroad crossing	36.3	256	-	+7	+12
3	Gas well, 5 miles northeast of La Pryor	39.6	246	-	-10	+2
4	La Pryor-Batesville Railroad crossing	44.8	b244	-	-2	0
4	3.5 miles above Cinonia bridge	53.0	c255	-	+11	+11
4	Former gaging station near Cinonia	56.5	d272	-	+17	+28
1933						
July 23	Laguna	0	23.1	-	-	-
23	5.2 miles above West Fork	7.8	22.9	-	-2	-2
23	2.6 miles above West Fork	10.4	0	-	-22.9	-23.1
23	Mouth of West Fork	13.0	a0	-	0	-23.1
23	Southern Pacific Railroad bridge	18.0	0	-	0	-23.1
23	Uvalde-Del Rio Railroad crossing	20.6	0	-	0	-23.1
24	Gaging station near Uvalde	22.7	16.3	-	+16.3	-6.8
24	Uvalde-Eagle Pass Railroad crossing	28.2	20.6	-	+4.3	-2.5
24	San Antonio, Uvalde & Gulf Railroad bridge	31.6	16.3	-	-4.3	-6.8
24	Old Uvalde-La Pryor Railroad crossing	36.3	11.3	-	-5.0	-11.8
25	Gas well, 5 miles northeast of La Pryor	39.6	e7.1	-	-4.1	-15.9
25	La Pryor-Batesville Railroad crossing	44.8	4.1	-	-3.1	-19.0
25	3.5 miles above Cinonia bridge	53.0	13.9	-	+9.8	-9.2
25	Former gaging station near Cinonia	56.5	14.4	-	+.5	-8.7
1939						
Aug. 14	500 ft upstream from 19 miles crossing of Highway 83B-1.6 miles southeast of Laguna	1.6	154	-	-	-
15	1.8 miles downstream from 19 mile crossing, 3 miles south of Laguna	4.0	150	-	-4	-
15	5.4 miles upstream from West Nueces River	7.6	131	-	-19	-
16	3.8 miles upstream from West Nueces River	9.2	114	-	-17	-
16	6.8 miles southeast of Laguna					
16	1.3 miles upstream from West Nueces River	11.7	84.1	-	-29.9	-
17	12 miles northwest of Uvalde	13.0	-	0	-	-
17	At confluence with West Nueces River					
17	Just downstream from West Nueces River, 11½ miles northwest of Uvalde	13.1	47.3	-	-36.8	-
17	1.6 miles downstream from West Nueces River, 10 miles northwest of Uvalde	14.6	20.1	-	-27.2	-
18	.3 mile downstream from Texas & New Orleans Railroad bridge, 7½ miles west of Uvalde	17.5	4.69	-	-15.4	-
18	.5 mile downstream from Texas & New Orleans Railroad bridge, 7½ miles west of Uvalde	17.7	0	-	-4.7	-
18	At bridge on U. S. Highway 90, 7 miles west of Uvalde	19.6	0	-	0	-
18	1.2 miles downstream from bridge on U. S. Highway 90, 7 miles west of Uvalde	20.8	0	-	0	-
18	At former gaging station near Uvalde, 7 miles southwest of Uvalde	22.7	18.2	-	+18.2	-
19	1 mile downstream from former gaging station near Uvalde, 7½ miles southwest of Uvalde	23.7	26.6	-	+8.4	-
19	24 miles south from present gaging station below Uvalde, 8½ miles southwest of Uvalde	24.6	24.7	-	-1.9	-
21	1.5 miles downstream from present gaging station below Uvalde, 9 miles southwest of Uvalde	28.1	30.2	-	+5.5	-
22	At bridge U. S. Highway 83, 10½ miles southwest of Uvalde	30.6	23.1	-	-7.1	-
22	1 mile downstream from crossing of old Uvalde-La Pryor road, 7 miles north of La Pryor	35.7	22.1	-	-1.0	-
22	At gas well, 5 miles northeast of La Pryor	38.0	16.8	-	-5.3	-
23	1,200 ft downstream from Batesville-La Pryor road bridge, 3 miles east of La Pryor	43.4	4.80	-	-12	-

a No flow in West Fork at mouth

b 3 cfs diverted by pump just above station added to measurement.

c 7 cfs diverted by pump above station added to measurement.

d 7 cfs diverted by pump above station added to measurement; small amount pumped just above not added.

e From observation and local information, pumps above this point not operating.

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Nueces River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1940						
May 2	2,000 ft above gaging station, 1 mile northeast of Laguna	-0.4	72.4	-	-	-
2	At gaging station, Laguna	0	74	-	-	-
2	200 ft above Spring Branch, 4.4 miles above West Nueces River	7.6	54.9	-	-17.5	-17.5
2	175 ft above mouth, 4.4 miles above West Nueces River	7.6	-	4.0	-	-
2	3.2 miles above West Nueces River	8.8	18.4	-	-40.5	-58.0
2	Just below mouth of West Nueces River	13.0	0	-	-18.4	-76.4
2	Bridge on U. S. Highway 90, 7 miles west of Uvalde	19.6	0	-	0	-76.4
2	Former gaging station at Tom Nunn crossing, near Uvalde	21.6	8.6	-	+8.6	-67.8
2	1 mile below present gaging station, 9 miles southwest of Uvalde	27.6	15.0	-	+6.4	-61.4
3	1,000 ft above bridge - U. S. Highway 83, 11 miles southwest of Uvalde	30.4	9.3	-	-5.7	-67.1
3	1 mile below crossing on old Uvalde-La Pryor Road, 13 miles southwest of Uvalde	35.7	6.0	-	-3.3	-70.4
3	1,300 ft above gas well, 5 miles northeast of La Pryor	37.8	0	-	-6.0	-76.4
3	500 ft above gas well, 5 miles northeast of La Pryor	37.9	4.6	-	+4.6	-71.8
3	2 mile below bridge on Batesville-La Pryor Road, 3.2 miles southeast of La Pryor	43.4	2.2	-	-2.4	-74.2
3	3.3 miles below bridge on Batesville-La Pryor Road, 4.8 miles southeast of La Pryor	46.5	12.6	-	+10.4	-63.8
July 9	2,000 ft above gaging station, 1 mile northeast of Laguna	-4	74.6	-	-	-
9	500 ft above Spring Branch, 4.5 miles above West Nueces River	7.5	64.1	-	-10.5	-10.5
9	500 ft above mouth, 4.4 miles above West Nueces River	7.6	-	3.1	-	-
9	3.2 miles above West Nueces River	8.8	21.2	-	-46.0	-56.5
9	500 ft below mouth of West Nueces River	12.0	0	-	-21.2	-77.7
9	Bridge on U. S. Highway 90, 7 miles west of Uvalde	19.6	0	-	0	-77.7
9	Former gaging station at Tom Nunn crossing	21.6	10.8	-	+10.8	-66.9
9	1 mile below present gaging station, 9 miles southwest of Uvalde	27.6	18.4	-	+7.6	-59.3
10	900 ft above bridge on U. S. Highway 83, 11 miles southwest of Uvalde	30.4	11.3	-	-7.1	-66.4
10	1 mile below crossing on old Uvalde-La Pryor Road, 13 miles southwest of Uvalde	35.7	8.8	-	-2.5	-68.9
10	0.2 mile above gas well, 5 miles northeast of La Pryor	37.8	0	-	-8.8	-77.7
10	300 ft above gas well, 5 miles northeast of La Pryor	37.9	5.2	-	+5.2	-72.5
10	0.2 mile below bridge on Batesville-La Pryor Road, 3.2 miles southeast of La Pryor	43.4	1.4	-	-3.8	-76.3
10	3.3 miles below bridge on Batesville-La Pryor Road, 4.8 miles southeast of La Pryor	46.5	11.0	-	+9.6	-66.7

1/ Discharge measurement, May 3, 14.8 cfs.2/ Discharge measurement, July 10, 18.9 cfs.

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Nueces River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1940						
Aug. 28	2,000 ft above gaging station, 1 mile northeast of Laguna	.4	56.7	-	-	-
28	500 ft above Spring Branch, 4.5 miles above West Nueces River	7.5	45.9	-	-10.8	-10.8
28	500 ft above mouth, 4.4 miles above West Nueces River	7.6	-	3.6	-	-
28	3.2 miles above West Nueces River	8.8	5.4	-	-44.1	-54.9
28	500 ft below West Nueces River	12.0	0	-	-5.4	-60.3
28	At U. S. Highway 90, 7.0 miles west of Uvalde	19.6	0	-	0	-60.3
28	Former gaging station at Tom Nunn crossing; near Uvalde	21.6	8.2	-	+8.2	-52.1
28	1 mile below present gaging station, 9 miles below Uvalde	27.6	13.7	-	+5.5	-46.6
29	Bridge on U. S. Highway 83, 11 miles southwest of Uvalde	30.6	6.8	-	-6.9	-53.5
29	1 mile below crossing on Old Uvalde-La Pryor Road, 13 miles southwest of Uvalde	35.7	5.3	-	-1.5	-55.0
29	1,300 ft above gas well, 5 miles northeast of La Pryor	37.8	0	-	-5.3	-60.3
29	500 ft above gas well, 5 miles northeast of La Pryor	37.9	.2	-	.2	-60.1
29	.2 mile below bridge on Batesville-La Pryor Road, 3.2 miles southeast of La Pryor	43.4	.3	-	.1	-60.0
29	3.3 miles below bridge on Batesville-La Pryor Road, 4.8 miles southeast of La Pryor	46.5	8.0	-	+7.7	-52.3
Sept. 26						
26	2,000 ft above gaging station, 1 mile northeast of Laguna	.4	37.5	-	-	-
26	500 ft above Spring Branch, 4.5 miles above West Nueces River	7.5	25.9	-	-11.6	-11.6
26	500 ft above mouth, 4.4 miles above West Nueces River	7.6	-	3.2	-	-
26	3.2 miles above West Nueces River	8.8	0	-	-29.1	-40.7
26	500 ft below West Nueces River	12.0	0	-	0	-40.7
26	Bridge on U. S. Highway 90, 7 miles west of Uvalde	19.6	0	-	0	-40.7
26	Former gaging station, 7 miles southwest of Uvalde	21.6	7.0	-	+7.0	-33.7
26	1 mile below present station, 9 miles southwest of Uvalde	27.6	12.1	-	+5.1	-28.6
27	Bridge on U. S. Highway 83, 11 miles southwest of Uvalde	30.6	6.5	-	-5.6	-34.2
27	On right bank 0.6 mile below crossing, old Uvalde-La Pryor Road, 13 miles southwest of Uvalde	35.3	-	5.0	-	-
27	1 mile below crossing old Uvalde-La Pryor Road, 13 miles southwest of Uvalde	35.7	3.1	-	-1.4	-35.6
27	500 ft above gas well, 5 miles northeast of La Pryor	37.9	3.1	-	0	-35.6
27	Bridge on Batesville-La Pryor Road, 3.2 miles southeast of La Pryor	43.2	3.1	-	0	-35.6
27	3.3 miles below bridge on Batesville-La Pryor Road, 4.8 miles southeast of La Pryor	46.5	7.8	-	+7.7	-27.9

1/ Discharge measurement Aug. 29, 13.8 cfs.2/ Discharge measurement Sept. 27, 12.0 cfs.3/ Estimated.

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Dry Frio River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1925						
June 28	Clark ranch house, 6 miles above Reagan Wells	-	0.50	-	-	-
28	3.6 miles above Reagan Wells, near Hurd School	-	1.65	-	+1.15	+1.15
28	Mine Creek at Hurd School, 3.5 miles above Reagan Wells	-	-	a 0.5	-	-
28	½ mile below Reagan Wells	-	5.16	-	+3.01	+4.16
28	4½ miles below Reagan Wells	-	6.74	-	+1.58	+5.74
28	8 miles below Reagan Wells	-	9.66	-	+2.92	+8.66
28	9½ miles below Reagan Wells	-	0	-	-9.66	-1.00

a Estimated.

Frio River

			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1925						
June 27	15 miles below Leakey	-	39.5	-	+13.1	+21.79
27	Concan, 19½ miles below Leakey	-	40.5	-	+1.0	+22.79
27	20½ miles below Leakey	-	32.5	-	-8.0	+14.79
27	23½ miles below Leakey	-	20.1	-	-12.4	+2.39
27	Uvalde-Concan road crossing, 26 miles below Leakey	-	a 6.30	-	-13.8	-11.41
27	26.3 miles below Leakey	-	2.50	-	-3.8	-15.21
27	26.5 miles below Leakey	-	0	-	-2.5	-17.71
1931						
July 1	Concan-Leakey Railroad crossing at Concan	0	112	-	-	-
1	Gaging station at Concan	1.0	114	-	+2.0	+2.0
1	1½ miles below Concan station	2.5	116	-	+2.0	+4.0
1	3½ miles below Concan station	4.5	107	-	-9.0	-5.0
1	¾ mile above Uvalde-Concan Railroad crossing	6.0	86.3	-	-20.7	-25.7
1932						
Nov. 5	Gaging station at Concan	0	233	-	-	-
5	1.2 miles below Concan station	1.2	226	-	-7	-7
5	3 miles below Concan station	3.0	253	-	+27	+20
6	¾ mile above Uvalde-Concan road crossing	5.0	220	-	-33	-13
6	Uvalde-Sabinal Highway crossing	18.5	0	-	-220	-233
Dec. 20	Gaging station at Concan	0	124	-	-	-
20	1.2 miles below Concan station	1.2	108	-	-16	-16
20	3 miles below Concan station	3.0	123	-	+15	-1
20	¾ mile above Uvalde-Concan road crossing	5.0	98.8	-	-24.2	-25.2
20	Uvalde-Sabinal Highway crossing	18.5	0	-	-98.8	-124

a River fell 0.04 ft during night. No diversions.

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Sabinal River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1934						
Jan. 10	.8 mile below Utopia	0.0	4.98	-	-	+2.84
10	7.8 miles below Utopia	7.0	7.82	-	-1.36	+1.48
10	18.3 miles below Utopia	17.5	6.46	-	- .56	+ .92
10	18.8 miles below Utopia	18.0	5.90	-		
1942						
May 8	1.0 mile south of Utopia	0	32.0	-	-	-
8	¾ mile upstream from county road, 3½ miles south of Utopia	3.0	36.3	a +0.7	+4.3	-
8	Onion Creek at mouth, 7½ miles south of Utopia	8.0	-	-	-	-
8	Just downstream from Onion Creek, 7½ miles south of Utopia	8.0	45.5	-	+8.5	+12.8
8	100 ft downstream from county road, 9.0 miles south of Utopia	10	b 45.1	-	- .4	+12.4
8	At county road crossing, 10½ miles south of Utopia	12.0	c 35.1	-	-10.0	+2.4
8	At side road crossing, .4 mile west of Utopia-Sabinal road, 6 miles north of Sabinal	17.5	d 1.5	-	-	-
18	175 ft downstream from Onion Creek, 7½ miles south of Utopia	0	e 32.3	-	-	-
18	200 ft downstream from county road crossing, .2 mile downstream on Onion Creek, 9 miles south of Utopia	2	31.8	-	- .5	- .5
18	At county road crossing, 10.5 miles south of Utopia	4	23.0	-	-8.8	-9.3
18	At side road crossing, .4 mile south Utopia-County road, 6 miles north of Sabinal	9.5	0	-	-23	-32.3
Aug. 5	175 ft downstream from Onion Creek, 7½ miles south of Utopia	0	+6.55	-	-	-
5	200 ft downstream from county road crossing, 2 miles downstream Onion Creek, 9 miles south of Utopia	2	3.03	-	-3.52	-
5	At county road crossing, 10.5 miles south of Utopia	4	0	-	-3.03	-6.55
5	At side road crossing, .4 mile south Utopia County road, 6 miles north of Sabinal	9.5	0	-	0	-6.55

a Estimated.

b A second discharge measurement on May 9 gave 42.3 cfs.

c A second discharge measurement on May 9 gave 33.2 cfs.

d Flow estimated at 8:30 a.m.; discharge determined again at 7:40 p.m. gave 7.2 cfs. A small rise, which at 8:00 a.m. May 8 had passed downstream from other points of flow determination, affects seepage results in this vicinity only and not used. River was not flowing at 8:00 p.m. May 7 from information by local resident.

e Onion Creek was contributing an estimated discharge of 1.2 cfs during investigation.

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Medina River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1925						
May 26	Below diversion dam	0	15.5	-	-	-
26	Haby crossing	.8	19.6	-	+4.1	+4.1
26	Yellow Bank School crossing	4.8	22.0	-	+2.4	+6.5
26	Near Riomedina	7.6	24.8	-	+2.8	+9.3
26	"	10.2 to 12.1	-	0.5	-	-
26	Below dam at Castroville	17.2	17.2	-	-7.1	+2.2
27	do.	17.2	18.0	-	-	-
27	3 miles below Castroville	19.5	20.7	-	+2.7	+4.9
27	Near Lacoste	23.3	-	0.8	-	-
27	"	26.2	-	1.2	-	-
27	½ mile north of Idylwild	26.3	14.6	-	-4.1	+8
27	At Cagnon Road, 5½ miles northwest of Von Ormy	31.8	9.2	-	-5.4	-4.6
28	do.	31.8	8.8	-	-	-
28	1½ miles northwest of Von Ormy Highway 2	37.1	10.2	-	+1.4	-3.2
28	1¾ miles southeast of Von Ormy	41.8	11.7	-	+1.5	-1.7
28	4 miles southeast of Von Ormy	45.2	9.2	-	-2.5	-4.2
28	3½ miles southwest of Earle	47.3	11.0	-	+1.8	-2.4
28	At mouth near Earle	51.1	-	1.4	-	-
28	Highway 9, Earle	51.3	10.0	-	-2.4	-4.8
28	"	51.1 to 53.4	-	3.5	-	-
28	Losoya	55.1	14.7	-	+1.2	-3.6
June 3	5.3 miles northwest of Lima	0	1.0	-	-	-
3	3.5 miles northwest of Lima	2.0	3.4	-	+2.4	+2.4
3	3.4 miles northwest of Lima	2.1	-	1.0	-	-
3	1.4 miles northwest of Lima	4.5	6.4	-	+2.0	+4.4
3	.8 mile north of Lima	6.3	-	.2	-	-
3	3.4 miles southeast of Lima	11.1	4.6	-	-2.0	+2.4
3	4.9 miles east of Lima	12.8	-	.2	-	-
3	5.0 miles southeast of Lima	12.9	3.6	-	-1.2	+1.2
3	1 mile northwest of Medina	16.1	8.4	-	+4.8	+6.0
3	Medina	17.7	-	1.5	-	-
3	3.3 miles southeast of Medina	22.8	10.5	-	+.6	+6.6
4	do.	22.8	10.1	-	-	-
4	5.5 miles northwest of Bandera	25.6	-	.2	-	-
4	4.7 miles northwest of Bandera	25.9	12.0	-	+1.7	+8.3
4	Bandera	34.2	10.9	-	-1.1	+7.2
4	1.4 miles northeast of Bandera	36.2	-	.1	-	-
4	4.1 miles southeast of Bandera	38.6	10.5	-	.5	+6.7
5	3 miles southwest of Pipe Creek	41.7	-	5.0	-	-
5	do.	41.8	13.4	-	-2.1	+4.6
5	4.2 miles southwest of Pipe Creek	43.8	11.4	-	-2.0	+2.6

Guadalupe River

1928						
Jan. 16	At gaging station 2 miles above Comfort	0.0	52.0	-	-	-
16	½ mile above mouth at Comfort	3.0	-	1.5	-	-
16	1/8 mile above mouth	4.8	-	.3	-	-
16	At railroad bridge near Comfort	6.4	58.6	-	+4.8	+4.8
16	At Waring	12.2	58.7	-	+.1	+4.9
17	2 miles above mouth, near Waring	16.0	-	1.6	-	-
17	½ mile above mouth, near Sisterdale	19.7	-	.4	-	-
17	Just below mouth, at Sister Creek near Sisterdale	19.7	65.4	-	+4.7	+9.6
17	At mouth, 6 miles below Sisterdale	29.5	-	.2	-	-
17	At mouth, 8 miles northeast of Boerne	31.2	-	.5	-	-
17	Below mouth of Sabino Creek at Ammans crossing	31.2	70.9	-	+4.8	+14.4
17	At Schillers crossing, 4 miles north of Bergheim	45.6	68.3	-	-2.6	+11.8

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Guadalupe River

Date	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1928						
Jan. 18	% mile above mouth, 4 miles above Spring Branch	55.8	-	2.6	-	-
18	At Specks Crossing, 2.5 miles southwest of Spring Branch	57.5	71.9	-	+1.0	+12.8
18	1½ miles above mouth, near Spring Branch	59.0	-	1.5	-	-
18	At gaging station near Spring Branch	61.7	73.5	-	+1.1	+12.9
18	At Cranes Mill	78.5	-	3.9	-	-
18	Just below Big Spring at Cranes Mill	78.5	72.3	-	-5.1	+7.8
18	2 miles northeast of Sattler	92.7	88.9	-	+16.6	+24.4
19	At mouth, 2 miles below Sattler	95.9	-	.0	-	-
19	4 miles below Sattler	97.4	83.2	-	-5.7	+18.7
19	At mouth, 5½ miles above New Braunfels	103.5	-	.0	-	-
19	.4 mile above Elm Creek near New Braunfels	103.9	81.6	-	-1.6	+17.1
19	At mouth near New Braunfels	104.3	-	.0	-	-
19	At new gage, 1 mile above mouth of Comal River	108.7	77.7	-	-3.9	+13.2
1929						
Feb. 18	Gaging station 2 miles above Comfort	0	41.1	-	-	-
18	% mile above mouth, at Comfort	3.0	-	0.2	-	-
18	% mile above mouth, below Comfort	4.8	-	0	-	-
18	San Antonio & Aransas Pass Bridge, near Comfort	6.4	42.5	-	+1.2	+1.2
18	Waring	12.2	36.4	-	-6.1	-4.9
19	2 miles above mouth, near Waring	16.0	-	.7	-	-
19	% mile above mouth, near Sisterdale	19.7	-	.2	-	-
19	Just below mouth of creek at Sisterdale	19.7	45.2	-	+7.9	+3.0
19	Mouth; about 6 miles below Sisterdale	29.5	-	0	-	-
19	Just above mouth of Sabino Creek at Ammans crossing	31.0	40.7	-	-4.5	-1.5
19	% mile above mouth, 8 miles northeast of Boerne	31.2	-	.3	-	-
19	Unknown crossing about 4 miles north of Oberlys crossing	34.2	38.2	-	-2.8	-4.3
20	Schillers crossing, 4 miles northeast of Bergheim	45.6	43.0	-	+4.8	+0.5
20	% mile above mouth, 4 miles above Spring Branch	55.8	-	1.0	-	-
20	Specks crossing, 2.5 miles southwest of Spring Branch	57.5	47.7	-	+3.7	+4.2
20	1½ miles above mouth near Spring Branch	59.0	-	.9	-	-
20	Gaging station near Spring Branch	61.7	47.4	-	-1.2	+3.0
21	In Demijohn Bend east of Spring Branch	73.3	34.3	-	-13.1	-10.1
21	Cranes Mill	78.5	-	2.9	-	-
21	Below Big Spring at Cranes Mill	78.5	39.2	-	+2.0	-8.1
21	5 miles northeast Sattlers store near Craasies Gin	86.2	48.8	-	+9.6	+1.5
22	2 miles northeast of Sattlers store	94.0	48.2	-	-.6	+.9
22	Mouth, 2 miles below Sattlers store	95.9	-	.1	-	-
22	4 miles below Sattlers store	97.4	53.1	-	+4.8	+5.7
22	Mouth, about 5½ miles above New Braunfels	103.5	-	0	-	-
22	2 miles above confluence of Elm Creek, above New Braunfels	104.1	53.0	-	-.1	+5.6
22	Mouth, near New Braunfels	104.3	-	0	-	-
22	Above gaging station at New Braunfels	108.7	49.0	-	-4.0	+1.6

DISCHARGE MEASUREMENTS TO DETERMINE SEEPAGE GAINS AND LOSSES--CONTINUED

Blanco River

Year	Location	Distance from initial point (miles)	DISCHARGE IN SECOND-FEET			
			Main stream	Tributary or diversion	Loss or gain in section	Total loss or gain
1924						
June 12	San Marcos-Wimberley crossing	0	202	-	-	-
12	Falls above Kyle	11.4	231	-	+29	+29
12	International & Great Northern Railroad bridge	19.4	216	-	-15	+14
July 16	San Marcos-Wimberley crossing	0	64.7	-	-	-
16	Dan Nance ranch below Wimberley	3.7	63.2	-	-1.5	-1.5
15	Falls above Kyle	11.4	67.7	-	+4.5	+3.0
15	International & Great Northern Railroad bridge	19.4	51.9	-	-15.8	-12.8
22	Falls above Kyle	0	58.4	-	-4.6	-4.6
22	½ mile below Halifax Creek, near Kyle	2.0	53.0	-	-4.6	-4.6
22	½ mile below old mill near Kyle	4.2	45.3	-	-8.5	-14.1

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Cloudt Ranch Station, Edwards County

1949	3.17	3.46	0.38	4.25	2.84	3.45	1.15	4.66	4.32	4.18	0.00	2.49	34.35
1950	0.97	--	--	--	--	1.84	--	--	--	--	--	--	--
1951	0	--	1.57	1.85	.85	1.50	1.25	0	1.95	1.95	--	--	--
1952	.10	0.36	.74	1.88	3.49	0.27	0.87	0	0.53	0	1.32	0.97	10.53

Carta Valley Station, Edwards County

1950	--	--	--	--	--	--	--	--	--	.03	--	--	--
1951	.02	.08	1.81	.04	1.72	.30	.65	.01	.85	2.24	--	.29	--
1952	.04	.54	2.02	2.18	2.11	.24	--	--	.74	--	1.24	1.08	--
1953	.36	.37	2.61	0	.21	1.26	2.47	--	--	1.91	--	--	--
1954	--	.05	--	--	--	9.78	--	3.02	1.81	--	--	--	--

Rocksprings Station, Edwards County

1894	.82	.09	.97	3.17	5.19	T	.95	7.91	3.13	1.49	0	T	23.72
1895	.74	2.60	.17	2.56	5.93	.67	2.13	1.64	3.85	.68	1.82	.69	23.48
1896	2.49	1.69	T	1.78	T	1.31	1.22	1.61	5.80	6.32	.45	1.28	23.95
1897	1.39	.02	2.61	1.70	4.59	3.01	1.24	2.62	.11	.60	0.	0	17.89
1898	.50	.20	2.00	1.73	.75	5.87	.45	1.58	1.95	2.45	.50	2.08	20.06
1899	0	--	--	2.34	T	11.10	3.66	0	--	--	--	--	--
1932	--	--	--	1.08	.22	.73	3.10	5.17	10.83	0	.09	1.02	--
1933	2.08	1.08	.02	0	4.54	.07	--	.11	.35	1.55	.52	.24	--
1934	2.08	.12	1.67	.66	1.58	.65	1.29	1.00	--	--	--	.25	--
1940	--	--	--	3.70	3.86	2.94	.08	4.15	.22	.89	2.56	1.44	--
1944	2.76	1.68	1.48	.63	2.46	.78	.16	3.21	2.54	.33	1.96	1.63	19.62
1946	2.01	.86	.07	2.72	2.46	4.11	.75	.14	3.75	3.87	.26	.99	21.99
1947	2.54	.17	1.00	1.50	1.75	2.74	.89	2.26	.62	.12	1.48	.83	15.90
1948	1.05	.71	.50	3.10	1.99	6.86	4.07	.50	--	--	.66	.85	--
1949	3.02	6.42	.41	4.19	3.44	3.62	1.49	4.83	4.49	3.90	0	2.35	38.16
1950	1.01	.89	T	--	--	1.39	2.44	1.47	3.37	.59	.07	0	--
1951	T	.18	2.01	1.28	1.29	1.34	.43	0	2.26	.97	.08	.42	10.26
1952	.12	1.00	1.92	2.46	1.91	.65	.55	0	.24	0	1.89	1.91	12.65
1953	.07	.53	2.45	.61	1.24	.44	.50	5.34	1.84	1.54	0	.46	15.02
1954	--	--	0	2.80	2.95	7.35	.23	1.03	.40	2.72	.45	0	--

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Brackettville Station, Kinney County

1871	1.21	0.23	0.07	0.12	2.07	0.13	0.00	2.46	3.69	3.26	0.32	T	13.56
1872	0.03	.45	.06	.56	1.12	3.90	3.70	.52	1.76	0.25	1.64	4.32	18.31
1873	.32	.24	1.56	.44	3.74	7.68	1.70	--	--	--	--	--	--
1874	--	--	--	--	--	--	--	0	11.06	.40	6.67	2.22	--
1875	0	.84	0	1.52	1.26	.34	0	3.10	.30	0	4.15	2.25	13.76
1876	3.14	2.27	1.90	.76	6.88	2.48	1.05	.40	3.80	.70	.10	0	23.48
1877	.35	1.76	0	0	1.74	6.80	1.90	0	2.20	0	.64	2.62	18.01
1878	.18	.47	2.11	1.50	6.24	5.15	2.66	3.56	2.56	.58	.41	.24	25.66
1879	.08	.09	2.84	4.56	1.86	.96	T	3.17	1.29	.21	.05	.60	16.52
1880	5.39	1.22	.77	4.01	13.11	1.40	5.35	4.29	1.77	.27	1.63	1.33	40.54
1881	.35	.39	.81	3.43	5.29	.01	.90	.30	4.12	16.17	1.18	.80	33.75
1882	1.20	1.09	.91	0	3.61	.44	1.22	4.05	3.94	2.02	2.74	.02	21.24
1883	.13	.14	4.55	.81	2.24	--	--	--	--	--	--	--	--
1886	.12	1.20	1.70	.45	--	--	.03	1.76	--	--	--	--	--
1888	--	--	--	--	--	--	--	--	--	2.28	2.03	1.00	--
1889	.72	.83	1.61	1.68	1.76	4.84	10.75	1.00	6.27	.48	.60	0	30.54
1890	.16	.55	0	2.75	1.75	2.35	2.32	1.72	5.70	.92	1.44	2.00	21.66
1891	3.07	1.05	1.08	1.60	4.00	.60	0	1.20	1.60	1.70	.30	3.10	18.30
1892	.40	.46	.80	T	2.00	0	.89	3.85	.41	4.00	.60	.55	13.99
1893	.02	.21	.60	1.03	2.08	.20	.32	.36	.12	.27	.28	.96	6.45
1894	1.32	0	0	4.66	6.49	.05	.05	8.55	.22	.22	0	.20	30.76
1895	.17	2.65	.74	.34	5.05	2.10	.78	1.96	1.68	.55	2.07	.19	18.28
1896	1.20	.55	T	.60	.16	1.02	3.66	.50	4.60	3.69	1.07	1.50	18.55
1897	1.78	0	.71	1.94	2.08	2.23	.10	1.16	.36	.14	0	.82	11.32
1898	0	.53	1.10	.54	0	7.45	.53	7.29	1.14	.56	0	.75	19.89
1899	--	--	--	--	--	22.32	3.31	0	0	3.81	1.67	2.49	--
1900	1.91	.40	4.21	7.45	12.50	1.10	1.80	2.00	2.61	3.42	1.05	.09	38.54
1901	.49	.10	0	3.00	1.80	2.25	1.40	.88	.72	0	.98	0	11.62
1902	.08	.34	1.11	.07	8.40	0	2.20	0	.20	.30	2.70	2.75	18.16
1903	2.60	1.70	.90	.60	3.87	7.20	4.93	.65	7.93	.55	0	.01	30.94
1904	T	.46	0	3.05	2.30	2.35	1.65	.35	10.68	2.00	.50	.20	23.54
1905	.10	.80	4.78	3.85	2.40	2.00	.20	.40	3.67	1.03	3.25	1.75	24.23
1906	.03	1.55	.30	3.04	1.40	.30	3.85	4.00	2.55	.85	1.11	.70	19.68
1907	.05	0	0	.98	2.35	2.05	2.46	.35	1.60	10.34	5.25	0	25.43
1908	0	.70	.94	2.22	4.93	.01	1.87	2.98	.24	2.20	1.77	.20	18.06
1909	.20	.24	.64	3.02	1.84	.53	3.05	.49	2.00	.08	1.47	1.20	14.76
1910	.10	0	4.18	4.84	1.30	.28	.52	.35	.82	1.97	.10	.52	14.98
1911	.36	4.18	2.05	3.73	.25	0	T	1.10	.02	1.54	3.35	1.53	18.11
1912	T	T	1.55	1.80	.90	4.15	.25	.10	1.90	4.90	.30	1.90	17.75
1913	.40	2.10	.40	1.00	2.60	3.60	1.50	1.70	2.20	3.80	4.80	2.80	26.80
1914	T	1.10	T	.80	5.80	2.20	.90	7.00	T	2.70	.90	.40	21.80
1915	1.42	1.60	4.80	1.60	1.00	0	2.00	2.60	4.55	1.00	0	.36	20.93
1916	3.50	0	1.16	2.61	1.33	.01	3.42	3.85	1.40	1.93	.62	.02	19.85

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Brackettville Station, Kinney County--Continued

1917	0.25	0.16	0.02	2.41	1.30	0.91	1.16	0.25	2.03	0.00	0.00	0.00	8.49
1918	.03	0	0	.92	3.99	1.93	.59	.04	.40	4.58	1.62	1.48	15.58
1919	2.43	.21	4.10	1.92	3.70	4.90	3.10	1.95	5.42	5.20	1.90	1.07	35.90
1920	1.95	.01	.50	.04	2.97	.94	5.28	3.70	2.40	1.50	.40	0	19.69
1921	.50	6.15	3.35	1.40	6.10	1.75	2.25	.50	.88	1.85	.53	T	25.26
1922	.25	.30	.90	3.05	1.06	5.43	2.79	.65	1.80	1.24	.55	0	18.02
1923	.49	2.79	5.65	1.52	.92	.73	2.70	2.00	4.68	5.16	2.16	1.96	30.86
1924	.27	1.67	.69	1.20	2.80	.98	.17	T	3.37	.32	.25	1.29	13.01
1925	.09	.05	.83	.53	9.56	1.76	1.47	1.58	3.19	2.83	1.06	1.24	24.19
1926	1.32	.10	2.83	2.50	1.25	3.61	4.27	.03	.54	2.74	1.45	2.04	22.68
1927	.57	4.00	1.88	2.67	.05	4.50	2.93	.54	2.13	3.20	0	1.12	23.59
1928	.42	1.98	0	1.10	2.60	1.78	.19	1.89	9.01	.11	.14	.51	19.73
1929	.37	.12	.37	1.06	4.48	.26	2.90	T	3.50	.95	.18	2.96	17.15
1930	.10	.03	.50	2.92	2.17	4.19	1.45	.27	.16	7.29	2.66	.55	22.29
1935	--	--	--	--	6.56	5.50	3.33	0	4.14	2.60	.30	2.01	--
1936	.28	.01	1.54	.32	5.02	5.00	1.54	1.75	3.95	2.10	.49	.34	22.34
1937	.30	.05	.72	.05	1.61	1.12	1.72	1.01	2.10	.88	2.65	4.64	16.85
1938	1.53	.39	.63	3.29	1.23	.19	11.00	.78	.13	0	.14	.66	19.97
1939	1.78	.10	.91	.37	3.02	.96	3.88	1.62	1.10	1.85	1.43	1.36	18.38
1940	.48	1.32	.90	2.09	5.68	3.38	1.24	3.45	.32	1.25	1.24	1.08	22.43
1941	1.05	1.01	2.35	2.75	1.40	.92	5.37	.43	4.57	1.21	.21	.25	21.52
1942	.30	1.28	.07	3.09	3.96	.58	2.50	6.24	1.74	.40	.55	.30	21.01
1943	.16	.04	.56	2.97	4.85	2.01	--	.62	6.79	1.06	2.15	2.21	--
1944	1.64	1.69	1.45	.74	3.62	4.80	.53	3.72	2.59	1.74	.85	1.39	24.76
1945	1.32	1.33	1.19	1.23	1.72	1.73	.11	1.41	1.88	3.51	0	.26	15.69
1946	1.81	.80	.48	2.49	6.26	1.96	.67	.28	1.09	1.56	.32	1.38	19.10
1947	2.79	.47	1.14	3.51	2.18	5.31	--	--	.75	1.10	1.09	.43	--
1948	--	1.01	.06	2.01	--	9.58	.75	1.31	3.87	.76	.59	.08	--
1949	2.48	8.14	.68	1.87	.75	5.09	.86	3.40	2.09	4.25	0	1.71	31.32
1950	.15	1.38	--	--	2.40	--	--	2.00	--	.08	.03	0	6.04
1951	.01	.13	2.29	.13	2.86	1.57	0	.25	.75	5.96	.10	.66	14.71
1952	.22	.58	.59	1.63	3.41	1.02	1.08	.18	.33	0	1.23	1.99	12.26
1953	.18	.25	1.36	0	.23	.40	.20	4.53	1.71	.74	0	.52	10.12
1954	.34	0	0	2.12	3.78	6.06	.48	1.36	1.22	4.02	0	0	19.38

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Camp Wood Station, Real County

1944	--	--	--	--	--	1.85	0.82	4.58	3.34	2.13	1.31	0.82	--
1945	--	--	1.96	1.72	1.99	1.18	.64	0.41	1.42	3.80	0	.70	--
1946	1.55	1.05	0.40	2.06	4.82	2.10	.58	.39	5.22	4.62	1.89	.90	25.58
1947	3.08	0.48	1.34	3.37	2.61	7.14	.71	1.74	--	1.58	1.86	.48	--
1948	0.04	2.28	.08	3.67	2.89	2.13	1.52	.85	1.96	0.52	.57	--	--
1949	3.25	8.13	.69	3.86	3.15	3.71	.64	8.12	4.83	4.24	0	2.13	42.75
1950	.35	1.20	.17	.88	5.78	2.13	1.65	2.41	2.41	--	T	T	--
1951	T	.75	3.77	.89	1.89	3.21	.11	.42	--	--	--	--	--
1953	.06	.32	2.67	.33	2.07	1.10	.34	4.88	1.78	4.38	.06	.69	18.68
1954	.26	T	T	4.64	4.50	4.08	.48	.87	1.09	1.96	.10	0	17.98

Crider Ranch Station, Real County

1940	--	--	0	5.12	5.22	4.22	1.46	2.15	.33	2.44	1.41	1.51	--
1941	.58	2.37	2.80	3.80	2.06	.75	2.82	2.43	5.44	4.17	.50	.30	28.02
1942	.27	.53	.20	4.37	6.47	.35	1.47	3.42	2.98	3.59	1.59	1.28	26.52
1943	.39	.09	1.44	1.35	4.27	2.99	.68	0	1.75	1.15	1.85	1.64	17.60
1944	2.93	2.02	1.95	.40	4.34	2.61	.20	3.50	2.52	.72	2.20	1.55	24.94
1945	3.06	1.57	1.13	1.90	1.47	3.06	1.27	2.34	1.77	3.54	.57	.41	22.09
1946	1.55	.80	.56	2.49	4.90	.74	.84	.38	--	4.34	.25	1.51	--
1947	5.35	.42	1.60	1.99	2.63	4.78	.15	1.51	0	.40	1.59	1.24	21.66
1948	.31	1.34	.21	4.01	1.97	4.71	2.08	1.67	5.18	.20	.51	.66	22.85
1949	3.60	6.13	.36	3.70	4.88	3.66	1.74	3.34	1.92	3.53	0	2.52	35.38
1950	.35	1.60	0	1.40	1.95	4.39	4.10	2.30	5.23	.30	0	0	21.62
1951	--	.78	1.37	.82	3.84	3.16	.20	0	.94	1.54	.20	.20	--
1952	.15	.78	2.71	4.19	1.58	.78	2.20	0	1.31	0	2.00	2.76	18.46
1953	0	.41	2.09	.72	1.25	.15	.98	1.54	.45	3.17	0	.29	11.05
1954	.37	.12	0	3.56	4.08	3.18	.31	.23	2.88	4.71	.49	0	19.93

Leakey Station, Real County

1952	.05	.68	2.84	2.49	5.19	.71	0	0	1.71	0	1.59	0	15.26
1953	0	0	1.77	.20	0	.86	0	2.57	2.06	3.37	0	.44	11.27
1954	0	0	.05	4.19	3.51	8.21	79	0	1.05	1.72	--	--	--

Montell Station, Uvalde County

1953	.06	.26	2.00	1.66	.80	1.22	0	.76	1.39	2.60	0	.86	11.61
1954	.37	0	0	2.70	3.91	7.68	.79	.05	1.34	2.27	.30	0	19.41

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Cline Station, Uvalde County

1940	--	--	0.86	1.58	5.93	4.17	0.10	4.62	0.09	0.65	4.31	1.21	23.52
1941	0.86	2.17	3.55	5.00	1.62	2.70	2.95	0.45	--	--	--	--	--
1942	.30	1.21	.05	1.29	2.86	0.89	3.08	5.74	2.81	.67	0.10	0.93	19.93
1943	.12	0.12	.57	2.65	4.26	3.26	1.03	0	3.26	1.44	1.79	1.88	20.38
1944	2.56	2.89	2.38	.33	5.40	2.87	--	5.32	2.22	1.09	1.34	1.56	--
1945	2.00	1.77	1.21	1.76	.23	1.28	.50	.96	1.21	1.30	0	.33	12.55
1946	1.72	1.46	.43	3.15	8.66	7.35	.62	.69	1.85	4.33	.62	.71	31.59
1947	3.58	1.04	2.28	.73	1.72	6.83	.43	2.72	1.11	.73	.99	.40	22.56
1948	T	1.10	T	1.98	3.42	1.38	5.36	.30	3.38	2.10	.94	0	19.96
1949	3.69	9.15	1.00	2.31	3.38	2.22	2.70	--	--	2.45	T	1.58	--
1950	.05	.71	0	--	1.43	5.81	--	--	2.86	T	0	0	--
1951	0	.20	3.50	.18	3.75	3.20	T	2.75	.25	2.71	.10	.35	16.99
1952	.25	.51	1.38	2.74	3.75	.25	0	.30	.65	0	2.32	.69	12.84
1953	.67	.20	1.47	.79	.47	.79	0	7.11	6.00	7.86	.17	.52	26.05
1954	.33	0	0	1.93	6.60	8.02	0	2.70	.20	3.09	.80	0	23.67

Laguna Station, Uvalde County

1951	--	--	3.46	.38	2.58	1.31	.17	.93	.86	2.70	0	.43	--
1952	0	.91	1.40	2.40	1.73	.20	2.51	0	1.12	0	1.51	2.08	13.86
1953	0	.05	1.22	1.30	0	0	.60	2.10	6.73	4.63	0	.35	16.98
1954	0	0	0	2.27	3.53	7.15	0	0	0	3.50	.10	0	17.55

Nelson Ranch Station, Uvalde County

1951	0	1.6	2.74	1.25	.80	.78	0	.11	4.10	2.78	.33	.25	14.14
1952	0	.70	1.17	2.35	.40	.32	1.16	.60	1.20	0	--	--	--
1953	--	--	--	--	--	--	--	3.89	2.95	4.05	--	.73	--
1954	.34	.04	0	1.14	8.67	4.99	.06	.99	1.80	3.23	--	--	--

Uvalde Station, Uvalde County

1849	--	--	--	--	--	--	--	--	--	--	2.05	2.30	--
1850	.38	.71	1.42	1.11	1.07	7.00	2.70	3.19	1.50	1.70	3.60	2.10	26.48
1851	.80	3.54	1.45	2.95	1.07	.73	2.84	3.53	.73	1.50	1.43	.29	20.87
1852	.34	1.40	2.62	.15	5.76	8.07	6.82	.12	2.83	3.19	1.52	0	32.82
1853	2.16	3.58	1.51	2.42	3.28	9.00	4.97	1.59	1.20	6.76	.15	1.02	37.64
1854	.20	2.15	3.00	.75	3.88	2.09	.97	1.67	4.80	.33	3.71	.50	24.05
1855	.10	1.86	.75	.17	--	--	--	--	--	--	--	--	--
1859	.70	.67	.08	.91	1.42	2.80	.26	2.35	5.11	3.15	.06	.55	18.06

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Uvalde Station, Uvalde County--Continued

1860	1.04	1.79	1.19	3.71	0.00	1.85	0.04	5.06	0.94	2.77	0.82	0.23	19.44
1861	1.47	0.05	--	--	--	--	--	--	--	--	--	--	--
1877	--	--	--	--	.32	0.72	1.17	0.09	1.92	0.77	1.01	6.74	--
1878	0.57	1.59	2.62	2.32	2.98	1.53	4.85	2.54	1.28	1.07	1.93	.69	23.97
1879	.08	.90	.94	3.08	3.48	.80	T	5.66	3.29	.89	.01	.09	19.22
1880	2.85	1.82	1.96	2.59	1.76	2.01	4.82	5.71	4.46	.44	1.64	1.23	31.29
1881	.43	.82	.59	2.39	6.44	.00	1.22	1.91	1.44	3.15	2.24	.91	21.54
1882	.84	.71	1.41	.33	4.73	.36	1.37	3.23	4.05	.96	1.88	.17	20.04
1883	.28	.87	4.88	1.99	.17	--	--	--	--	--	--	--	--
1905	--	--	3.48	5.67	--	--	--	--	--	--	1.72	1.25	--
1906	--	--	--	--	--	--	5.71	--	--	--	--	--	--
1907	--	--	--	--	--	.38	1.62	T	--	--	--	--	--
1908	.98	1.55	1.48	3.16	6.90	1.28	3.57	5.11	1.48	.63	1.58	.57	28.29
1909	.08	.62	1.34	.98	3.40	2.04	3.54	3.13	1.02	.37	.41	1.26	18.19
1910	.55	.49	2.68	3.27	2.04	.50	.42	T	1.30	2.98	.22	.39	14.84
1911	.30	2.48	2.23	3.85	.53	T	1.01	1.05	.03	4.86	3.00	1.13	20.47
1912	.08	--	--	1.69	2.64	--	--	--	--	--	--	--	--
1913	.35	.77	.46	1.26	2.30	12.78	.85	2.08	4.80	6.42	5.95	2.73	40.75
1914	T	1.25	.77	2.43	5.44	3.13	T	2.74	.33	1.90	1.20	.87	20.06
1915	1.52	1.40	1.68	1.53	1.00	T	T	4.78	2.78	0	0	T	14.69
1916	2.02	0	2.62	4.17	1.55	.72	7.66	7.20	5.71	.83	1.20	T	33.68
1917	.86	.16	.08	.20	1.89	5.29	1.00	.60	1.06	.27	.98	.00	12.39
1918	.10	.13	.65	1.56	2.74	1.52	T	1.48	1.80	5.23	1.81	3.15	20.17
1919	3.04	1.36	1.50	2.75	3.91	3.31	4.21	1.63	7.68	6.52	1.42	1.07	38.40
1920	2.25	.25	.28	.06	2.45	2.93	.80	3.30	1.75	1.47	1.24	.16	16.94
1921	.46	.78	4.09	.60	5.22	2.92	1.44	.40	1.46	1.55	.38	.20	19.50
1922	.20	.85	1.35	6.70	1.97	7.45	.75	T	.39	.65	.64	T	20.95
1923	.40	3.88	3.07	4.03	1.03	3.42	.67	.49	3.94	4.00	2.34	2.57	29.84
1924	.60	1.55	1.07	2.30	2.66	.75	.82	.05	1.95	.93	.05	2.95	15.68
1925	.10	.00	.85	1.45	3.45	.45	.90	2.10	2.76	1.67	1.45	1.14	16.32
1926	2.20	.00	2.66	9.83	1.40	3.86	2.15	1.73	.67	2.93	1.55	1.63	30.61
1927	.50	3.01	1.51	1.30	1.38	2.71	3.97	.50	.55	1.85	.00	2.25	19.53
1928	.58	2.17	.63	.84	3.87	4.68	.30	1.90	4.94	.40	.12	.78	21.21
1929	.45	.27	2.07	.74	5.60	2.03	1.90	.10	5.45	2.30	.82	1.60	23.33
1930	.83	.14	1.83	2.15	1.46	8.27	1.00	.71	.88	6.04	2.48	.65	26.44
1931	5.82	1.40	.50	6.74	.08	2.35	3.85	3.25	T	.10	.64	2.61	36.34
1932	.67	1.85	1.40	1.70	2.19	1.18	21.01	4.55	8.62	.12	.58	1.15	45.02
1933	2.71	2.06	.20	.85	2.80	.86	1.57	2.25	.30	.95	.27	.40	15.22
1934	2.95	.22	.88	1.08	1.88	.15	3.53	.42	2.52	.08	.28	2.71	16.70
1935	.36	1.98	.22	2.49	17.67	4.93	4.54	.05	5.27	.38	.15	3.13	41.17
1936	.25	.08	1.45	.45	4.97	3.52	1.39	1.70	6.75	2.36	1.19	.42	24.53
1937	.73	.14	1.50	.45	1.29	3.05	.77	.00	2.05	1.82	.22	5.86	17.88
1938	2.00	.62	1.37	1.43	1.17	T	4.34	.27	.23	.33	.08	1.28	13.12
1939	2.18	.31	.24	.36	2.44	.44	3.01	7.42	1.38	4.47	1.89	1.16	25.30

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Uvalde Station, Uvalde County--Continued

1940	0.43	2.11	1.29	2.42	4.73	4.14	0.29	3.09	0.31	3.71	2.23	2.91	27.66
1941	1.93	3.17	4.17	5.15	4.11	2.58	2.91	0.31	4.57	2.01	0.44	0.44	31.79
1942	.27	1.32	0.35	2.80	1.73	0.30	4.43	2.78	4.04	0.30	.06	--	--
1943	.39	.32	.82	2.11	3.18	2.18	.76	T	6.17	2.19	1.35	1.26	20.73
1944	2.14	2.24	1.89	.40	3.97	4.45	.26	10.18	1.33	1.95	1.88	2.07	32.76
1945	2.60	1.22	4.27	2.61	0.77	2.91	.68	1.05	3.78	1.44	.34	.70	22.37
1946	1.93	.78	.40	1.68	5.71	2.70	1.18	3.32	7.07	2.08	.37	.18	26.40
1947	2.76	.45	1.26	2.15	1.34	7.61	.56	2.38	.08	1.31	2.20	.57	22.67
1948	.20	1.77	.15	1.98	2.13	1.68	2.58	.77	3.95	1.82	.93	.35	18.31
1949	2.45	4.85	1.14	3.53	.61	4.23	1.80	2.37	5.36	5.69	.00	2.38	34.41
1950	.44	1.04	.18	1.32	3.12	2.63	2.56	3.54	3.04	.31	.09	T	18.27
1951	.06	.68	1.59	.45	5.62	1.49	.03	1.05	.49	3.79	.44	.38	16.07
1952	.27	2.74	2.05	1.73	4.63	.57	.56	0	2.07	0	2.20	1.42	18.24
1953	.11	.54	.59	.24	.68	.90	T	5.88	5.26	3.30	.03	.81	18.34
1954	.43	T	.04	1.60	3.56	3.94	.67	1.66	.13	3.36	.21	T	15.60

Utopia Station, Uvalde County

1951	--	--	3.78	1.36	5.59	.68	.00	.62	.45	1.88	.50	.20	--
1952	.40	1.19	2.31	4.93	4.43	2.34	.09	.00	2.71	.00	4.03	2.99	25.42
1953	.25	2.60	.15	.20	1.35	.10	2.50	4.00	2.50	7.10	1.35	.80	23.90
1954	.50	.00	.00	2.20	8.85	7.30	1.00	.65	2.80	2.80	.50	.01	26.61

Sabinal Station, Uvalde County

1903	--	--	--	--	--	--	--	--	5.07	.75	.00	.17	--
1904	.00	.28	.00	2.88	7.03	.96	4.17	.00	10.40	1.65	.95	.80	29.12
1905	1.32	1.21	3.68	6.75	2.81	5.42	.39	1.35	3.62	1.71	1.90	1.36	31.52
1906	.10	1.24	.76	2.05	6.51	.65	5.92	4.26	7.29	1.59	1.84	.84	33.05
1907	.25	.05	.50	1.77	6.02	.69	1.93	.02	1.21	7.06	4.00	.11	23.61
1908	.90	1.12	1.82	4.15	10.37	.39	1.82	9.27	5.03	.59	1.86	.34	37.66
1909	.10	.36	.72	2.11	4.14	1.30	1.40	4.26	2.17	.36	.99	1.43	19.34
1910	.46	.19	2.50	3.50	3.63	.47	.69	.25	1.70	5.15	1.01	1.11	20.66
1911	.24	1.88	2.66	4.84	1.24	.04	.33	1.03	.04	5.97	2.90	1.83	23.00
1912	.17	1.01	2.36	2.55	2.50	9.22	.79	.00	2.10	4.63	1.79	2.06	29.27
1913	.59	1.39	.39	.54	3.50	5.07	.86	2.14	1.79	9.54	4.29	4.31	34.41
1914	.10	1.35	.70	2.25	6.66	1.61	.55	5.23	1.71	2.14	2.62	1.03	25.95
1915	1.14	1.89	1.06	2.14	.70	.63	.40	2.32	1.47	1.92	.18	.57	14.42
1916	1.43	.00	1.44	7.96	3.51	.77	4.49	3.69	.17	2.26	1.03	.06	26.81
1917	.80	.22	.12	.25	2.29	.36	.53	.42	4.66	.86	1.60	.00	12.11
1918	.16	.63	.71	.77	1.35	1.05	.13	.35	2.51	4.63	2.30	5.14	19.73
1919	2.75	1.62	.60	3.32	4.50	6.12	7.05	5.77	5.55	5.91	.84	1.38	45.41

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Sabinal Station, Uvalde County--Continued

1920	3.03	0.10	1.13	0.29	1.53	2.90	2.86	2.45	1.88	2.63	1.59	0.13	20.52
1921	.60	.51	3.18	3.02	4.40	5.82	1.01	0.06	2.25	0.93	0.31	1.58	23.67
1922	.72	.69	2.06	6.12	3.61	3.39	.47	.16	1.22	1.86	.78	.10	21.18
1923	.28	5.33	2.36	3.88	.10	2.29	3.50	.68	3.53	4.29	2.71	2.77	31.72
1924	.83	2.29	.98	3.50	3.60	2.04	.43	.01	1.37	.16	.05	2.02	17.28
1925	.14	.00	.56	.60	5.07	.80	.35	2.02	3.05	1.87	.83	.84	16.13
1926	2.01	T	2.89	13.01	2.32	2.46	2.01	.71	1.51	2.75	1.63	2.12	33.42
1927	.89	1.32	2.39	2.61	1.33	7.30	5.25	.75	1.44	1.01	.00	2.09	26.38
1928	.66	1.82	.06	1.16	3.13	3.57	.20	4.75	4.08	.23	.50	.94	21.10
1929	.74	.41	1.96	1.48	6.07	1.72	3.52	.56	3.14	3.65	1.25	2.30	26.80
1930	.72	.04	1.59	1.99	2.28	5.67	.00	T	.82	11.00	2.17	.88	27.16
1931	4.37	1.80	2.44	3.67	2.50	1.90	2.28	.80	T	.67	1.06	2.96	24.45
1932	.65	1.81	1.30	1.44	1.65	2.34	17.64	3.08	8.06	.00	.74	1.55	40.26
1933	2.65	2.26	.27	1.02	3.13	.69	.58	6.15	1.10	.56	.55	.44	19.40
1934	2.87	.18	.79	2.28	1.65	.00	2.15	1.98	.98	.29	1.60	3.30	18.07
1935	.16	2.87	.42	1.65	18.85	6.02	6.05	.00	7.44	.45	.32	3.98	48.21
1936	.36	.25	1.34	.54	4.03	5.47	2.30	1.36	5.48	3.15	1.73	.52	26.53
1937	.83	.18	2.57	.28	2.16	2.73	.82	--	--	--	-	---	--
1938	1.33	.45	1.44	5.32	1.25	.00	2.94	.12	.59	.55	.09	1.31	15.39
1939	2.16	.29	.09	T	1.28	.13	2.94	--	1.69	2.78	1.63	.99	--
1940	.35	1.62	1.71	1.89	4.44	5.79	2.24	1.42	.34	2.15	1.99	3.57	27.51
1941	3.28	3.56	5.74	4.32	1.71	4.04	3.27	4.04	3.78	--	--	--	--
1942	--	--	--	--	1.43	.67	2.55	2.28	3.85	.59	.00	.00	--
1943	.49	.13	1.12	1.16	4.18	2.15	1.83	.79	2.90	--	1.54	.55	--
1950	--	--	.05	.48	4.55	4.46	1.75	1.70	2.29	.00	.00	.00	--
1951	.00	1.33	2.33	.00	7.43	1.41	.00	.00	.89	1.12	.92	.20	15.63
1952	0	2.28	2.68	2.38	6.66	1.41	.36	0	2.29	0	2.80	2.30	23.16
1953	.30	.47	2.52	.84	.56	.32	.00	4.82	3.84	6.92	.00	.85	21.44
1954	.23	0	0	2.15	3.34	2.47	.92	.25	1.18	3.19	.99	0	14.72

Hall Ranch Station, Kerr County

1940	--	--	--	.73	2.84	4.07	1.67	2.06	.88	4.29	1.08	2.25	--
1946	1.63	.48	.24	2.95	3.38	1.52	.05	.28	2.87	3.90	3.97	1.12	23.49
1947	3.70	.18	1.58	2.13	1.64	4.20	.07	1.67	.20	.35	1.57	.72	18.01
1948	--	--	--	--	7.99	--	1.08	1.32	.85	.46	1.00	--	--
1949	3.88	--	--	2.10	2.12	5.06	1.01	4.00	2.22	3.16	.00	--	--
1950	--	--	.00	.74	3.41	2.81	2.93	2.49	3.64	.17	.10	.00	--
1951	.00	.93	1.86	.99	3.76	2.11	.59	.10	.35	--	--	--	--

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Wilson Ranch Station, Kerr County

1941	--	--	--	--	--	--	--	--	3.54	0.57	0.41	--	
1942	0.35	0.70	0.43	5.75	2.65	0.21	1.26	4.37	2.82	--	.62	1.28	--
1943	.34	.14	2.84	1.01	3.45	2.38	1.54	0.00	3.95	1.61	1.15	1.97	20.38
1944	3.31	2.42	2.93	0.18	5.95	2.11	0.60	5.88	1.57	1.36	1.75	3.78	31.84
1945	2.96	1.81	2.30	1.29	1.51	1.77	2.01	1.11	2.10	3.30	.20	2.55	22.91
1946	1.75	1.75	1.11	2.43	4.54	1.77	.65	.80	7.95	5.37	3.85	1.06	33.03
1947	4.39	.34	1.96	4.22	1.72	4.79	.22	2.42	.17	.54	2.46	.59	23.82
1948	.17	1.96	.49	2.84	.96	3.81	2.13	.61	2.69	1.49	--	.55	--
1949	3.48	6.33	1.96	4.91	1.06	3.78	.40	3.64	3.31	2.73	.00	3.13	34.73
1950	.49	1.83	.24	2.33	2.64	2.75	2.41	3.13	2.47	.54	.27	.00	19.10
1951	T	1.50	4.80	1.15	11.35	3.29	T	.77	1.58	1.22	.09	.57	26.32
1952	.15	.98	2.95	2.75	3.33	2.29	.61	.00	1.78	.00	2.47	2.58	19.89
1953	.10	.53	1.49	.74	.81	.00	1.33	1.12	1.84	2.68	.00	.35	10.99
1954	--	0	T	4.15	2.53	4.59	.51	1.17	.23	1.97	.20	0	--

Lynxhaven Ranch Station, Kerr County

1941	--	--	--	--	--	--	--	--	4.20	0.45	.57	--	
1942	.39	.59	.54	7.77	4.21	.00	.49	5.22	2.50	3.01	1.07	.99	26.78
1943	.39	.00	1.84	.73	4.76	3.12	2.02	.79	3.31	1.18	1.04	1.84	21.02
1944	3.30	2.56	4.04	1.81	9.87	1.30	3.28	4.65	2.53	1.69	2.11	3.19	40.33
1945	2.84	2.00	2.41	1.61	1.03	1.94	1.46	.57	3.40	4.66	.25	3.23	25.40
1946	2.01	1.57	1.18	1.99	6.26	2.84	.47	1.32	3.37	4.98	3.12	.59	29.70
1947	3.81	.27	2.04	4.15	1.02	--	.63	2.16	--	.87	1.91	.39	--
1951	T	1.56	3.06	1.13	8.82	.24	.00	.00	2.16	1.39	.23	.57	19.16
1952	.09	.95	3.53	3.05	4.21	1.61	.84	0	3.12	0	2.45	2.90	22.75
1953	.21	.17	1.56	.40	1.07	0	2.71	1.36	1.97	2.82	.05	.41	12.73
1954	.57	0	.05	4.08	2.35	1.24	.30	.46	.97	4.55	.39	0	14.96

Hunt Station, Kerr County

1941	--	--	--	--	--	--	--	--	--	--	.60	--	
1942	.13	1.04	.43	5.12	3.75	.70	.55	2.34	2.14	5.54	.72	1.10	23.56
1943	.36	.00	1.68	1.25	3.55	3.75	1.12	.00	3.58	1.79	1.00	1.51	19.59
1944	--	2.19	2.63	0.98	7.20	--	--	3.33	--	--	--	--	--
1945	2.71	1.77	--	--	--	--	--	--	--	--	--	--	--
1946	--	--	--	--	--	2.92	.00	.71	4.58	3.52	3.46	.18	--
1947	2.60	.48	1.86	4.07	1.14	2.62	.78	.93	.09	--	2.40	1.11	--
1948	.17	2.21	1.80	3.90	--	2.82	2.44	.65	4.11	.00	1.20	.34	--
1949	3.26	3.69	.94	5.40	1.89	4.15	2.40	2.28	4.41	1.97	.00	3.21	33.60
1950	.20	1.98	.11	1.12	3.17	3.32	2.78	3.46	--	--	.00	.00	--
1951	--	--	2.99	.42	6.02	2.92	.00	.00	1.84	.89	.17	.49	--
1952	.29	1.00	3.05	3.64	5.36	3.88	1.71	0	6.20	0	1.40	3.43	29.96
1953	.00	.61	1.58	.94	1.44	.00	2.88	3.01	4.32	3.93	.00	.00	18.71
1954	.99	0	.13	3.54	2.85	1.30	0	.38	1.33	4.64	1.05	.00	16.21

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Ingram Station, Kerr County

1941	--	--	--	--	--	--	--	--	--	--	--	.43	--
1942	0.15	0.94	0.58	--	--	--	--	--	3.41	5.31	--	--	--
1943	--	--	2.02	2.62	4.50	4.63	0.98	--	3.36	1.24	0.98	1.62	--
1944	--	2.73	2.34	1.35	11.73	1.89	.77	4.92	3.35	0.92	2.12	--	--
1945	--	2.09	4.26	--	--	2.69	1.33	--	3.30	3.61	--	2.98	--
1946	--	--	--	--	2.05	--	--	--	2.84	6.00	6.56	1.30	--
1947	4.19	--	--	5.89	1.67	3.50	--	--	--	--	--	--	--

Kerrville Station, Kerr County

1895	--	--	--	--	--	--	--	2.60	3.16	1.31	4.22	1.55	--
1896	3.27	1.84	0.20	6.14	0.39	1.04	2.00	0.47	7.30	4.67	0.36	1.74	29.42
1897	0.64	T	1.08	1.38	3.62	1.87	0.80	3.39	2.61	1.84	.15	1.03	18.41
1898	1.05	0.35	2.32	3.98	1.17	9.03	2.35	1.13	1.50	.15	1.36	1.75	26.14
1899	.11	.25	T	2.99	3.17	9.66	1.59	.34	1.95	3.45	3.41	4.34	31.26
1900	2.32	.45	3.73	9.85	5.37	1.44	15.59	2.68	2.87	2.25	6.01	.40	52.96
1901	.59	1.13	.43	.69	2.97	1.59	3.74	1.53	1.76	.08	1.01	.40	15.92
1902	.76	.57	2.41	1.15	4.05	0	2.19	.42	2.72	1.67	11.85	2.80	30.59
1903	2.53	5.87	.30	2.38	2.96	3.93	3.49	.38	3.64	1.24	0	1.18	27.90
1904	T	1.27	0	1.85	3.96	2.09	1.83	1.82	7.79	4.19	.57	1.73	27.10
1905	.65	1.62	3.75	9.16	1.87	5.30	.95	.90	1.11	4.76	2.09	3.38	35.54
1906	1.00	1.85	1.52	2.20	5.06	1.13	3.01	3.47	2.08	2.09	1.93	2.10	27.44
1907	1.04	.55	.51	2.89	8.15	1.52	3.25	.08	.74	6.41	8.38	.21	33.73
1908	.92	2.77	1.64	2.29	3.32	.87	2.00	7.81	2.06	2.09	2.09	.63	28.49
1909	.01	.20	.55	4.32	2.98	.92	9.81	.95	1.82	1.74	1.29	1.42	26.02
1910	0	1.03	6.17	3.43	2.71	.50	.35	0	.95	3.33	.75	3.57	22.79
1911	.10	2.77	2.56	5.37	.51	.08	1.21	2.19	.43	.95	1.68	2.94	20.79
1912	.07	2.05	1.60	2.91	.19	4.03	.37	.16	1.45	3.65	2.03	.54	19.05
1913	1.40	1.37	.72	2.56	5.15	5.34	.44	1.33	2.05	6.45	6.27	5.40	38.48
1914	0	.58	.88	5.40	9.03	2.11	.67	2.91	1.40	2.09	2.60	1.71	29.38
1915	3.52	1.88	1.37	4.86	1.28	.46	1.23	7.43	4.44	.30	.19	2.20	29.16
1916	3.22	0	1.15	5.75	7.10	.42	4.79	1.97	1.15	2.65	1.21	0	29.41
1917	.56	.83	.04	.81	2.92	1.60	.73	.50	3.91	.18	.25	T	12.33
1918	.50	.81	.74	3.43	1.25	2.42	.13	2.60	4.10	2.29	4.65	5.26	28.18
1919	2.90	1.41	2.32	1.17	4.25	4.95	5.98	14.34	10.49	7.12	1.43	1.21	57.57
1920	2.26	.51	1.26	.70	3.84	5.14	.70	7.71	1.26	2.77	3.27	.23	29.65
1921	.95	.52	2.69	2.40	2.51	9.91	.48	.13	3.50	.85	.38	.83	25.15
1922	.86	.78	1.60	6.00	3.77	3.16	3.43	1.00	1.11	2.22	2.20	.05	26.18
1923	.42	4.19	1.97	4.10	1.04	1.11	2.29	1.45	6.50	4.02	4.74	3.29	35.12
1924	.85	2.36	3.40	1.55	4.60	3.01	0	.57	4.42	.46	.06	.93	22.21
1925	.30	.03	.03	.89	2.07	.07	1.63	2.26	4.50	6.39	2.35	.66	21.18
1926	2.65	.13	4.99	3.56	2.12	2.07	3.61	2.23	.42	2.82	2.64	3.98	31.22

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Kerrville Station, Kerr County--Continued

1927	1.21	3.02	2.95	2.25	1.09	5.52	3.36	0.03	4.96	4.26	0.12	2.98	31.75
1928	0.47	2.84	0.62	1.34	3.44	3.91	2.01	1.78	5.07	0.61	1.07	2.18	25.34
1929	1.59	0.88	1.88	1.29	10.45	1.78	2.56	0.15	3.57	2.75	2.44	2.45	31.79
1930	.57	.62	1.48	1.58	7.52	4.88	1.41	.61	1.00	11.52	2.40	.97	34.56
1931	4.37	2.41	2.71	4.28	3.95	4.38	3.85	2.14	.09	1.02	2.57	3.30	35.07
1932	2.51	2.59	3.74	3.95	3.89	1.61	9.01	2.71	7.44	.06	.67	3.35	41.53
1933	2.87	1.97	.81	.54	4.84	.37	.98	2.16	2.81	.47	.85	.47	19.14
1934	5.70	1.15	1.88	2.32	3.49	.15	2.56	.06	3.71	.23	.93	2.04	24.22
1935	1.10	2.84	.31	1.36	12.82	11.04	1.84	.11	8.73	2.48	.75	5.91	49.29
1936	.40	.55	.96	2.81	5.03	4.08	4.20	1.71	19.94	3.95	2.28	1.77	47.68
1937	1.23	.10	2.15	.21	2.62	6.05	1.58	.03	3.61	2.48	1.97	5.07	27.10
1938	2.77	2.47	1.50	4.91	2.77	.40	2.21	.80	1.36	.03	.72	1.01	20.95
1939	3.88	1.89	1.46	.81	2.89	1.49	5.29	1.07	.98	4.28	2.96	1.42	28.42
1940	.80	3.23	2.33	4.47	5.34	6.62	1.41	3.02	1.34	2.31	3.10	5.17	39.14
1941	.66	5.86	4.27	5.16	2.46	1.99	1.81	3.15	7.10	6.02	.71	.47	39.66
1942	.13	1.30	.66	6.86	4.09	.63	.66	1.61	4.15	6.95	.62	1.50	29.16
1943	.39	.12	1.97	2.01	3.98	3.44	2.32	.01	4.04	.66	.96	1.48	21.38
1944	2.98	3.20	2.68	.66	9.71	1.77	.35	4.56	3.29	1.43	2.64	3.60	36.87
1945	2.81	3.10	6.12	2.08	1.77	2.70	1.01	1.82	4.95	4.09	.71	2.73	33.89
1946	2.72	1.68	.80	3.34	4.52	3.61	.25	1.44	5.91	4.53	3.53	2.15	34.48
1947	3.77	.33	2.20	2.82	3.29	5.32	.39	3.43	.26	1.65	2.50	1.23	27.19
1948	--	2.06	.97	2.70	1.69	4.23	3.36	.70	3.68	1.88	.85	1.31	--
1949	3.64	3.94	2.31	5.27	3.12	4.14	4.16	4.10	5.45	2.63	--	--	--
1950	.64	2.22	.44	3.25	3.36	3.81	2.88	3.52	2.03	.10	.45	T	22.70
1951	.11	1.34	3.35	1.43	6.65	1.85	.05	.06	.69	.98	.64	1.00	18.15
1952	.28	1.65	3.26	7.02	6.25	1.60	2.25	.05	10.13	0	2.71	5.71	40.91
1953	.10	1.80	3.22	1.37	1.20	.05	2.50	2.12	4.86	7.29	.96	.89	26.36
1954	.68	.16	.64	2.66	3.03	1.85	.20	.35	.78	3.08	.96	.25	14.64

Vanderpool Station, Bandera County

1950	--	--	--	--	--	--	--	--	--	.40	.27	.00	--
1951	.15	.75	2.69	1.48	6.38	1.90	.08	.17	1.73	1.46	.18	.34	17.31
1952	.44	1.48	2.46	4.53	3.54	2.70	1.58	.00	3.09	.00	3.23	3.45	26.50
1953	.00	.59	1.73	.08	1.10	.18	1.21	4.46	2.35	2.80	.48	.64	15.42
1954	.60	.12	.09	2.79	3.00	3.85	.09	2.30	2.09	1.07	.46	.09	16.55

Medina Station, Bandera County

1950	.70	2.70	.20	4.20	5.30	7.60	2.50	3.30	1.80	.14	.40	.00	28.84
1951	.00	1.57	3.41	1.55	6.82	1.60	--	--	--	--	--	--	--
1952	--	--	--	.54	2.90	2.85	1.34	.00	6.38	.00	3.69	2.53	--
1953	.41	.77	1.76	.89	1.51	.89	1.72	4.31	3.41	4.79	.15	.71	21.32
1954	.61	.04	.13	3.11	4.21	1.96	--	--	--	--	--	--	--

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Tarpley Station, Bandera County

1939	2.02	0.82	0.39	1.49	1.49	1.34	5.77	2.83	1.32	2.67	2.48	0.99	23.61
1940	0.48	3.05	1.98	2.59	3.27	6.08	3.19	1.09	1.49	2.99	2.48	3.30	31.99
1941	2.92	4.75	4.19	4.27	2.37	1.75	2.61	2.51	4.58	4.24	0.84	.92	35.95
1942	.13	1.32	.50	3.74	6.03	.78	2.76	4.45	5.49	7.41	--	1.60	--
1943	.12	.18	.99	2.07	3.46	4.02	2.64	.11	--	.54	1.45	2.27	--
1944	2.58	4.00	3.76	1.16	7.40	3.17	.00	4.32	.43	4.50	3.41	2.49	37.22
1945	3.83	4.09	4.24	1.25	2.47	2.68	.94	.42	5.24	5.45	.70	.60	31.91
1946	2.41	1.78	.88	2.24	3.86	2.43	.00	2.08	5.77	2.40	1.03	3.19	25.51
1947	2.72	.70	2.04	1.72	1.40	2.04	.32	3.43	T	.55	1.86	1.43	18.21
1948	.15	3.46	.38	3.25	1.45	7.42	.61	.78	1.95	1.25	.97	1.05	22.72
1949	4.17	3.89	2.54	5.78	.77	5.09	2.99	7.73	2.38	5.58	.00	3.36	44.28
1950	.99	3.29	.30	1.35	4.31	4.51	2.71	3.19	2.67	.10	.35	.00	23.87
1951	.12	1.72	3.42	.25	5.30	2.50	.35	.25	1.45	1.25	1.02	.55	18.18
1952	.35	1.53	2.98	4.54	3.38	2.99	1.22	0	3.70	0	2.60	4.01	27.30
1953	.24	.96	1.30	.35	1.40	1.68	1.67	3.36	2.89	8.07	T	.87	22.79
1954	.71	T	.32	2.06	3.61	3.00	1.65	.50	1.62	2.38	1.24	.15	17.24

Bandera Station, Bandera County

1950	2.80	2.10	.60	1.80	5.60	7.20	3.00	5.30	4.00	.18	.44	.00	33.02
1951	.00	1.93	2.67	1.63	5.53	.78	.00	.15	1.84	.50	.90	.00	15.93
1952	.40	1.74	3.17	4.49	3.43	2.12	.68	.00	5.14	.00	4.39	3.35	29.04
1953	.26	.70	.85	.85	1.13	2.10	1.69	6.19	3.13	9.53	.00	.25	26.68
1954	.84	.00	.00	.65	2.51	3.48	1.85	.51	1.03	1.45	.87	.00	13.19

Valdina Farms Station, Medina County

1951	--	--	--	--	--	--	--	--	--	1.01	.52	.02	--
1952	.23	1.25	4.80	3.09	3.27	2.22	.38	2.02	--	--	--	--	--
1953	--	--	1.00	.34	.00	1.15	.75	4.73	3.43	4.92	.75	.75	--
1954	1.12	.00	.00	2.36	3.73	2.64	.90	.22	2.66	1.25	.36	.00	15.24

Peachtree Station, Medina County

1952	.25	2.28	3.54	4.65	--	--	--	--	--	--	--	--	--
1953	--	--	--	--	--	--	10.71	3.58	6.12	.00	1.09	--	--
1954	.80	.05	.00	1.85	1.88	4.50	5.55	.47	.92	1.70	1.30	.00	19.02

Hondo Station, Medina County

1899	--	--	--	1.65	1.98	9.41	1.85	0.	2.06	2.10	1.92	2.20	23.17
1900	4.67	0	5.43	7.88	6.84	.34	2.30	2.60	1.77	4.74	1.42	.70	38.69
1901	.32	.63	.12	1.04	3.51	1.83	7.05	.05	2.22	T	.52	.17	17.46
1902	.65	.85	1.45	1.28	4.61	0	1.12	0	6.35	2.96	2.97	3.39	25.63
1903	3.23	7.11	2.36	1.50	3.08	3.48	7.41	.17	7.17	.75	T	.65	36.91

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Hondo Station, Medina County--Continued

1904	0.04	0.55	0.16	4.92	5.28	1.41	1.97	0.90	9.02	2.37	1.00	1.25	28.87
1905	1.35	1.75	3.31	6.67	1.98	5.02	2.14	.23	5.82	1.41	2.23	1.58	33.49
1906	.27	1.27	1.00	2.20	9.09	0.56	5.86	4.02	6.03	1.54	0.70	1.31	33.85
1907	.40	.14	1.81	2.67	8.20	T	3.11	.75	1.06	7.42	6.86	0.45	32.87
1908	1.05	1.23	1.57	2.56	9.06	.15	2.04	2.98	2.55	2.62	2.01	1.08	28.90
1909	T	.28	.36	1.94	3.34	2.28	2.71	1.52	.26	1.47	1.90	1.48	17.54
1910	.67	.28	1.17	3.81	1.78	.31	1.20	.80	.73	4.65	1.29	2.02	18.71
1911	.30	1.87	2.91	3.68	2.63	0	.67	.55	.54	5.12	2.22	1.96	22.45
1912	.30	2.26	4.17	3.06	3.37	7.11	.35	.25	2.15	3.51	2.57	2.35	31.45
1913	.63	3.15	1.14	.95	4.56	3.52	.08	.58	2.61	6.48	4.99	5.54	34.23
1914	.10	1.53	.61	4.89	6.52	.96	1.20	3.86	1.22	3.81	2.90	1.93	29.53
1915	1.10	1.65	1.26	5.30	1.91	0	.23	10.09	1.60	2.04	.38	1.08	26.64
1916	2.26	0	3.16	5.73	5.59	.50	4.18	5.18	.60	2.51	1.20	.21	31.12
1917	1.34	.62	.03	2.50	3.77	.20	1.35	.63	2.90	.21	.90	T	14.45
1918	.15	.83	.64	3.74	3.34	1.08	.55	.90	1.75	2.54	2.17	5.82	23.51
1919	2.96	2.15	1.78	2.79	3.74	6.87	7.96	1.39	7.39	4.17	.74	1.45	43.39
1920	3.02	.25	1.50	.34	3.81	3.54	2.67	4.18	1.73	1.46	2.84	.16	25.50
1921	.86	.41	4.30	3.97	4.61	7.40	.23	.70	6.55	.82	.35	1.35	31.55
1922	1.07	.76	3.94	6.46	3.38	3.78	.79	.82	2.65	6.57	1.50	.15	31.87
1923	.30	6.37	3.61	3.09	.41	2.09	2.87	2.33	4.48	3.10	4.14	3.92	36.71
1924	1.39	2.53	2.03	6.22	3.49	4.97	.03	T	2.44	.10	.02	2.65	25.87
1925	.36	T	.40	1.11	1.91	T	1.50	1.65	2.57	1.65	2.57	1.04	14.76
1926	2.26	.08	3.47	10.21	1.79	2.20	1.68	3.54	1.12	.95	1.70	2.01	31.01
1927	.81	2.33	1.26	1.75	1.64	5.12	2.46	.17	1.41	1.44	.05	2.75	21.19
1928	.88	3.29	2.23	1.81	6.57	2.11	2.54	1.24	3.33	.85	.82	1.19	26.86
1929	.59	.44	2.05	2.42	8.55	2.50	2.13	.26	2.13	2.12	1.83	2.62	27.64
1930	.95	.28	2.19	2.52	3.44	5.34	.24	.20	.56	7.18	2.51	.72	26.13
1931	4.99	2.20	2.70	2.87	4.90	1.91	2.53	1.66	0	.51	1.30	3.58	29.15
1932	1.96	3.01	.93	2.11	1.87	1.48	9.99	3.75	5.56	.11	.32	2.23	33.32
1933	2.06	2.77	.42	.72	2.82	1.03	.77	3.52	1.51	1.37	1.35	.55	18.89
1934	5.28	.67	1.35	4.09	.89	T	2.06	.14	2.69	.10	3.41	3.29	23.97
1935	.32	3.41	.89	2.35	22.40	8.68	4.73	.43	10.29	.88	.91	3.44	58.73
1936	.54	.37	2.99	2.37	6.58	7.63	3.48	.85	5.42	2.30	1.80	.94	35.27
1937	1.00	.13	2.71	.71	4.71	2.80	1.23	.81	.85	1.63	.97	5.38	22.93
1938	3.65	.83	2.01	5.56	7.70	1.08	1.90	1.19	1.39	.33	.34	1.58	27.56
1939	2.61	.55	.18	.89	2.16	.66	3.83	5.29	1.45	1.62	2.68	1.22	23.14
1940	.52	1.58	1.12	1.67	5.72	4.53	2.67	1.05	.98	3.36	2.30	2.63	28.13
1941	4.01	7.08	4.96	4.50	2.58	5.19	2.55	.74	6.73	3.10	.68	1.05	44.07
1942	.30	1.60	.53	5.20	3.07	.53	6.01	5.07	4.87	6.59	.31	.75	34.83
1943	.80	.25	1.35	2.05	4.09	6.51	4.21	0	6.44	2.05	2.22	1.46	31.43
1944	2.66	1.80	3.10	1.18	6.84	2.86	.27	7.64	.35	1.54	3.01	1.21	32.46
1945	2.99	2.35	1.87	4.58	2.10	4.09	.65	.61	7.19	1.44	.48	1.22	29.47
1946	1.62	1.61	1.35	4.45	1.89	1.36	.86	5.03	3.98	3.81	1.37	2.32	29.65
1947	3.07	.36	1.33	.60	2.31	2.66	.36	4.89	.36	.63	1.33	1.08	18.98
1948	.25	2.04	.51	2.40	1.39	7.96	4.85	.50	5.37	2.07	.98	.50	28.82
1949	2.83	3.61	3.84	7.14	.70	5.02	1.08	4.15	2.25	6.82	.00	2.46	39.90

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Hondo Station, Medina County--Continued

1950	2.66	1.85	0.22	1.27	3.79	3.97	2.26	4.27	4.09	0.23	0.20	0.10	24.91
1951	--	--	2.69	0.52	10.75	2.58	0.10	1.10	4.50	.33	1.26	.22	--
1952	0.09	2.16	2.04	1.45	3.02	3.89	1.46	0.01	4.65	0	3.47	2.32	24.56
1953	.03	1.28	1.45	.70	.73	.24	.63	2.84	7.25	4.33	.08	1.05	20.61
1954	.42	.02	.06	1.15	2.44	3.08	.52	.64	.10	1.91	1.50	.08	11.92

Riomedina Station, Medina County

1922	--	--	--	--	--	--	--	1.40	3.80	.07	0	5.27	
1923	0	5.84	2.91	2.46	.35	.23	3.60	2.16	4.38	2.24	3.19	3.85	31.21
1924	.87	2.60	2.67	6.09	4.10	4.43	.04	1.70	.25	.31	0	1.27	24.33
1925	.05	0	0	.90	2.05	0	.97	2.58	2.86	2.37	3.14	1.36	16.28
1926	2.68	0	2.94	8.40	0	2.68	1.52	0	0	1.38	1.84	2.12	23.56
1927	1.77	2.94	2.10	1.04	3.20	6.98	1.20	0	1.83	1.08	0	2.52	24.66
1928	.34	2.49	2.04	1.23	4.49	1.87	1.63	1.32	3.12	1.41	.48	1.23	21.65
1929	.48	.43	2.16	.94	8.47	1.94	4.77	.23	.70	1.60	1.59	1.20	24.51
1930	.43	0	2.53	2.35	4.17	3.20	2.38	0	0	8.88	.74	.50	25.18
1931	3.31	3.41	5.95	3.95	1.54	2.20	3.12	1.30	0	1.22	.72	3.76	30.48
1932	2.46	2.43	0	2.72	2.64	.57	6.77	6.05	7.84	0	0	1.05	32.53
1933	1.65	2.87	0	.74	2.40	4.00	1.75	3.71	1.10	.02	0	.70	18.94
1934	5.20	.83	1.39	3.21	1.40	1.70	--	0	.82	0	1.27	3.57	--
1935	.50	2.30	2.18	1.41	13.91	7.86	2.61	0	11.41	1.51	0	2.58	46.27
1936	.44	.44	1.72	.95	4.93	11.59	2.56	1.32	2.13	2.33	1.99	1.14	31.54
1937	1.12	0	2.74	.45	1.66	4.40	2.66	.61	1.64	2.91	.73	4.19	23.11
1938	3.30	1.20	2.38	4.37	2.82	1.93	.72	.20	2.25	.47	.38	1.28	21.30
1939	1.81	.56	.35	.85	1.01	.59	3.71	1.81	1.53	.50	2.27	1.06	16.05
1940	.51	1.94	.85	1.30	4.17	7.35	1.53	.40	1.22	5.12	1.72	3.89	30.00
1941	.92	7.72	4.79	4.63	2.85	3.39	2.07	.32	4.56	1.03	.42	.47	33.17
1942	0	.91	0	7.88	2.30	1.13	7.51	3.13	6.07	3.18	.34	.73	33.18
1943	.25	0	1.11	2.18	4.75	4.04	1.65	.50	1.28	.39	2.05	1.02	19.22
1944	3.12	1.60	1.80	.76	4.66	1.54	2.20	8.14	.98	1.29	3.34	3.55	32.98
1945	3.17	1.56	1.34	1.90	1.81	1.75	1.50	.60	5.11	1.78	0	1.34	21.86
1946	2.67	1.51	.66	2.75	2.82	3.38	1.37	8.87	6.83	2.58	1.64	2.03	37.11
1947	1.79	.32	1.30	.20	2.57	.55	.62	1.85	--	.34	.62	--	--
1948	.22	--	--	2.10	2.85	4.22	2.25	--	2.75	2.41	.88	--	--
1949	2.38	--	2.43	7.36	1.10	7.32	1.39	2.69	1.41	--	--	--	--
1950	1.31	1.77	.21	2.48	3.71	--	--	3.11	1.85	--	.21	.00	--
1951	.57	2.11	2.16	.43	9.67	.97	.72	.45	2.63	.33	1.06	.19	21.29
1952	.23	1.77	2.51	1.96	2.62	1.77	2.51	0	8.99	0	4.54	2.76	29.66
1953	.45	.56	.38	.70	.55	1.38	.40	4.00	4.94	2.99	.12	1.66	18.13
1954	.78	.04	0	1.39	1.99	1.90	1.05	.94	.93	2.60	1.21	.10	12.93

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Boerne Station, Kendall County													
1892	2.03	0.54	1.08	1.03	3.86	2.13	0.43	4.44	0.17	4.23	2.16	4.86	26.96
1893	0.21	.98	2.10	1.89	2.79	1.34	.91	1.05	.23	.60	3.84	1.02	16.96
1894	1.68	1.16	1.10	7.78	6.05	2.17	.13	6.87	1.97	2.72	0.07	0.23	31.93
1895	1.48	4.02	2.09	0.51	6.30	4.76	.16	1.22	4.30	1.55	4.75	.81	31.95
1896	4.41	2.82	.83	3.95	.98	.37	6.71	.62	5.59	4.86	.31	2.41	32.86
1897	1.56	.10	4.06	3.26	1.45	2.15	1.82	4.03	3.29	2.33	.12	2.29	26.46
1898	1.25	1.24	1.92	3.88	2.71	6.71	1.66	1.70	2.10	3.32	2.16	2.77	31.42
1899	.42	.45	.03	1.77	3.10	4.96	3.29	.39	2.97	8.96	2.59	4.91	33.84
1900	5.31	.25	3.36	12.36	7.71	1.08	8.40	2.46	1.99	4.62	1.35	1.30	50.19
1901	.47	1.08	1.20	1.15	3.74	1.86	6.04	1.18	3.06	.74	.75	.33	21.60
1902	.97	1.02	1.97	2.32	5.94	.39	2.77	.06	2.84	2.78	9.00	3.65	33.71
1903	3.35	8.70	2.21	2.03	2.05	6.15	9.50	.58	1.62	1.59	T	.75	38.53
1904	.12	1.33	.88	4.26	8.28	1.84	1.99	4.16	8.83	2.50	.55	1.67	36.41
1905	1.00	1.50	3.30	9.30	.17	4.10	1.30	1.60	3.80	2.10	4.50	1.80	34.47
1906	.40	.90	.45	2.40	1.20	1.05	7.00	1.95	5.60	1.00	1.20	3.00	26.15
1907	.20	1.00	1.40	2.40	7.75	.20	1.50	.60	1.70	7.95	10.40	1.50	36.60
1908	.40	2.10	2.00	2.40	7.60	0	5.50	5.90	1.00	.45	2.35	.83	30.53
1909	0	.30	1.57	2.10	3.89	1.05	6.90	.88	1.94	1.42	2.95	2.76	25.76
1910	.05	.68	3.70	3.38	1.91	.61	.84	T	1.43	3.11	1.34	4.41	21.46
1911	.58	2.17	5.45	4.72	1.36	.13	1.70	1.05	.40	1.97	2.95	2.95	25.43
1912	.34	3.55	3.53	2.73	1.15	3.41	.92	.86	1.73	3.47	3.84	2.18	27.71
1913	1.21	1.80	.90	1.94	3.85	6.05	.33	.53	5.64	16.37	8.03	5.82	52.47
1914	.05	1.73	1.32	6.57	15.65	.50	.84	10.00	1.56	2.52	3.80	2.24	46.78
1915	1.68	2.90	1.69	9.94	1.30	.16	1.61	5.20	5.34	1.18	.67	2.04	33.71
1916	4.35	.04	.23	6.76	7.54	.54	3.62	2.63	5.44	4.39	.87	.25	36.66
1917	1.05	1.30	.28	1.14	6.85	3.65	.58	.13	3.05	.95	.79	.05	19.82
1918	.28	1.65	.93	3.72	1.28	2.56	.12	1.27	4.01	3.47	4.72	6.57	30.58
1919	4.14	2.85	1.73	3.84	4.16	5.74	6.27	7.06	13.90	10.49	1.08	1.21	62.47
1920	2.72	.74	.94	1.31	2.44	3.89	1.53	2.99	2.63	3.54	5.04	.22	27.99
1921	2.16	.87	3.35	4.81	2.35	3.87	1.02	.90	9.69	1.02	1.39	1.38	32.81
1922	1.42	1.54	3.18	7.59	3.22	3.15	.28	.41	1.66	2.24	1.41	.13	26.23
1923	.56	5.35	3.28	4.89	1.61	1.48	3.23	1.92	9.97	7.18	4.02	4.74	48.23
1924	1.64	3.61	2.91	3.86	9.82	4.10	0	.10	4.06	.79	.24	1.66	32.79
1925	.42	.12	T	1.51	2.35	1.02	.59	2.10	3.17	6.00	2.66	1.07	21.01
1926	2.85	.11	6.04	8.11	4.17	2.96	2.85	.89	.27	4.13	3.10	3.08	38.56
1927	1.54	4.60	2.72	3.48	2.72	5.58	3.17	.15	.86	1.75	.10	3.23	29.90
1928	.64	3.90	.68	1.70	1.01	2.64	4.07	1.64	5.73	1.07	2.06	2.61	27.75
1929	1.58	.62	1.34	2.42	8.04	1.28	6.83	.64	2.02	2.86	3.17	3.26	34.06
1930	1.54	1.22	2.51	1.95	5.20	4.27	1.22	.94	2.01	9.85	2.34	1.40	34.45
1931	6.44	5.53	2.69	7.09	1.62	1.79	3.81	1.60	.17	3.15	1.84	3.78	39.51
1932	4.38	3.84	3.14	3.01	1.94	1.22	5.62	4.49	5.19	0	.47	3.35	36.65
1933	4.13	2.51	.85	1.32	3.75	1.20	2.37	.83	2.52	.13	.48	.49	20.58
1934	6.01	2.33	2.54	2.73	1.74	.55	5.17	.38	.91	.14	.99	3.29	26.78
1935	.42	3.04	.77	2.45	12.59	8.59	6.80	.57	10.40	2.14	1.35	3.81	52.93
1936	.70	.65	1.74	.97	11.17	9.27	2.80	2.44	11.43	2.97	1.77	1.68	47.59
1937	1.98	.15	2.92	1.60	5.94	5.50	3.24	1.49	.10	2.89	1.54	5.46	32.81

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Boerne Station, Kendall County--Continued

1938	4.06	1.61	2.07	4.52	2.59	1.33	1.84	0.22	3.97	0.16	0.48	1.29	24.14
1939	3.54	0.86	0.65	1.46	2.58	0.58	6.55	3.05	.48	3.16	2.33	.96	26.20
1940	0.68	3.69	1.59	2.24	3.45	3.90	0.79	1.19	1.17	4.71	3.67	5.21	32.29
1941	1.81	5.88	4.71	5.76	4.51	3.03	1.61	.55	5.00	7.02	.85	.87	41.60
1942	.41	1.17	.66	3.53	3.79	1.27	2.62	3.91	4.78	5.65	1.58	1.75	31.12
1943	.86	.07	1.71	1.27	4.26	3.57	4.16	.05	4.76	.39	1.59	2.64	26.33
1944	3.67	3.75	3.70	1.08	8.56	1.88	.87	7.56	2.25	1.37	3.91	4.38	42.98
1945	3.55	2.94	1.98	1.10	1.00	2.65	4.22	2.85	5.01	3.94	1.30	2.96	33.50
1946	3.02	2.35	1.03	3.94	3.65	3.14	2.40	6.62	9.45	4.22	2.29	2.61	45.62
1947	4.09	.37	1.91	1.51	5.92	1.05	1.28	2.49	.15	1.33	1.34	1.19	22.63
1948	.44	3.08	1.49	1.98	1.29	5.47	1.81	.87	3.56	2.43	.57	.78	23.77
1949	3.68	3.72	1.73	7.28	3.18	3.95	3.77	5.54	2.08	3.33	0	2.89	41.15
1950	.70	2.49	.34	3.73	3.08	2.02	4.14	3.88	3.29	.55	.72	0	24.94
1951	.24	1.71	2.69	2.48	4.10	1.60	.60	.31	1.44	2.08	1.26	.25	18.76
1952	.53	1.59	2.98	3.64	7.14	.96	.62	0	13.63	0	3.40	3.05	37.54
1953	.73	.89	1.18	1.47	1.60	.72	.77	4.52	3.97	3.95	.39	1.23	21.42
1954	.87	T	.08	1.07	.91	1.47	.25	.06	.57	2.72	1.94	.35	10.29

Helotes Station, Bexar County

1951	--	--	2.78	.59	4.96	2.59	.20	.59	2.73	.60	.60	.20	--
1952	.17	2.27	3.08	3.29	2.95	.65	4.99	.00	8.64	0	4.80	2.68	33.52
1953	.32	.86	.00	1.56	.70	2.31	.00	7.60	4.95	2.44	.80	1.49	23.03

San Antonio Airport Station, Bexar County

1871	1.38	.60	1.10	.76	3.44	.18	0	.95	5.81	6.65	1.92	0	22.79
1872	.40	1.56	1.14	.70	4.58	8.30	1.84	1.62	.05	2.49	2.80	3.61	29.09
1873	.50	.62	2.43	.58	4.34	9.37	2.56	1.89	5.94	3.86	1.56	.37	34.02
1874	.44	1.27	3.64	.55	1.32	2.26	2.74	1.02	11.71	.52	9.16	6.92	41.55
1875	.19	3.21	.69	3.09	.48	.30	1.54	3.11	2.19	.50	4.62	2.03	21.95
1876	1.19	1.20	2.61	.69	2.78	2.59	1.93	.15	--	--	--	.78	--
1877	.37	1.64	1.01	2.47	.56	3.59	2.87	.56	2.67	5.61	1.67	7.27	30.29
1878	1.70	2.32	.94	2.25	6.71	4.53	6.09	3.93	3.98	.56	4.68	1.91	39.60
1879	.98	1.07	.28	5.71	.61	2.32	.12	4.07	5.91	1.26	0	.47	22.80
1880	3.48	4.01	2.42	3.94	3.09	2.26	6.30	8.67	2.93	2.35	2.06	.40	41.91
1881	.58	1.24	1.06	3.25	4.70	T	1.37	.95	5.86	4.19	2.07	1.51	26.78
1882	1.91	2.18	4.24	.92	6.79	.11	2.92	3.84	8.95	2.71	1.12	.70	36.39
1883	.37	.33	5.30	1.54	.29	--	--	--	--	--	--	--	--
1885	3.00	T	3.87	5.12	7.92	.86	6.56	.95	1.51	.65	.70	1.78	32.92
1886	.75	3.15	2.39	2.23	2.61	3.52	1.41	4.79	4.12	.62	.33	.30	26.22
1887	.21	.70	.51	.60	2.61	2.21	.70	3.63	1.77	2.17	2.44	2.58	20.13
1888	1.61	2.56	2.13	7.72	4.25	4.00	.79	7.76	1.93	.82	4.58	2.40	40.55
1889	5.11	3.46	3.74	2.91	.55	4.79	4.04	3.19	5.47	.97	4.46	.27	38.96
1890	1.87	2.92	.98	5.22	2.39	4.16	.88	1.44	5.41	1.92	1.02	1.58	29.79

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
San Antonio Airport Station, Bexar County--Continued													
1891	5.63	1.38	1.18	4.57	2.36	2.16	0.85	1.06	3.60	0.60	0.92	5.73	30.04
1892	1.51	0.71	1.75	0.16	0.89	3.83	.05	9.09	1.09	1.48	1.09	4.16	25.81
1893	0.11	1.11	2.14	2.18	3.36	1.90	.96	0.92	0.10	.08	4.62	0.76	18.24
1894	1.42	.52	.80	2.65	1.71	3.09	.60	8.55	1.48	.89	T	.04	21.75
1895	1.24	3.97	2.24	.29	6.66	2.09	1.07	1.90	1.25	1.43	3.38	.55	26.07
1896	2.90	2.36	.66	2.73	2.74	.61	2.69	2.96	8.87	6.04	.79	.74	34.09
1897	1.55	.15	1.65	1.84	3.13	2.19	.28	.40	1.61	1.35	.43	1.34	15.92
1898	.46	1.16	1.47	1.46	1.06	7.06	2.24	3.35	1.32	.03	1.34	1.54	22.49
1899	.38	.31	T	2.60	2.22	4.32	2.85	0	.57	1.31	1.70	3.39	19.65
1900	5.42	.34	4.35	9.11	4.47	.78	2.24	4.05	.97	2.94	1.82	.70	37.19
1901	.41	.71	.54	.59	2.47	1.86	3.79	.96	4.20	.12	.64	.15	16.44
1902	.70	.55	.12	2.31	3.14	.02	3.85	0	5.52	2.54	3.53	2.51	24.79
1903	2.39	7.88	1.29	1.74	1.95	4.75	7.52	.20	2.96	1.61	T	.82	33.11
1904	.30	.64	.16	3.25	5.93	1.73	3.50	1.97	7.74	2.86	.24	1.06	29.38
1905	.88	1.62	2.74	6.08	4.11	6.01	2.82	.51	1.80	1.83	2.63	1.56	32.59
1906	.29	1.07	1.29	3.94	.86	.62	4.34	2.25	1.74	1.09	1.33	1.60	20.42
1907	.80	.78	1.88	3.77	4.64	.18	2.68	.80	1.11	3.54	6.79	.80	27.77
1908	1.01	2.42	1.31	2.87	6.07	.30	.66	4.27	3.92	1.47	2.61	1.61	28.52
1909	.10	.71	.88	.82	1.77	1.65	3.27	1.70	.56	1.55	.53	1.38	14.92
1910	.88	.78	.42	3.31	1.56	.55	1.37	.37	.56	3.35	1.38	1.69	16.22
1911	.02	1.66	2.72	3.41	2.01	.30	1.03	.48	.12	3.57	2.01	1.35	18.68
1912	.28	5.12	1.86	1.78	1.49	3.22	1.27	.29	1.47	2.74	1.45	2.76	23.73
1913	.90	1.91	1.36	1.32	2.88	2.90	.03	1.29	7.21	8.86	4.55	4.47	37.68
1914	.09	1.38	.83	5.26	5.59	.01	.02	7.80	2.24	5.78	3.24	1.43	33.67
1915	.53	1.81	1.20	11.64	1.89	.03	.92	3.90	2.39	1.11	.29	1.57	27.28
1916	2.25	.01	.79	1.85	3.85	.49	4.53	5.07	3.78	2.57	2.14	.33	27.66
1917	.95	.49	.16	.28	3.30	.02	2.19	.10	1.39	.48	.75	T	10.11
1918	.10	1.10	1.45	5.14	2.80	3.35	1.68	2.61	1.49	4.05	2.53	3.61	29.91
1919	3.78	1.56	1.39	3.60	3.06	7.01	7.88	2.14	7.61	8.66	1.56	2.05	50.30
1920	3.36	.27	.83	1.09	2.42	2.83	.39	2.26	.15	2.85	2.95	.16	19.56
1921	1.40	.23	5.91	2.78	2.01	4.59	.48	.45	8.27	1.02	1.16	.23	28.53
1922	1.23	1.26	3.29	5.46	3.46	3.92	.10	.27	.97	3.55	.98	.10	24.59
1923	.46	5.47	3.07	3.24	1.33	.79	2.54	2.94	2.98	1.39	4.21	4.29	32.71
1924	.97	3.02	1.29	3.36	4.71	4.66	.05	T	2.52	.52	.24	2.31	23.65
1925	.36	.09	.24	.18	2.85	.48	1.24	1.72	2.87	2.23	1.44	1.29	14.99
1926	3.42	.08	4.77	7.06	3.33	3.57	1.37	.31	.43	1.82	1.99	2.24	30.39
1927	.65	1.96	2.02	2.05	2.04	7.91	.49	.15	1.52	1.44	.03	2.49	22.75
1928	.65	2.85	2.34	1.70	3.90	3.29	1.03	1.21	6.30	1.69	2.29	2.95	30.20
1929	2.21	.16	3.12	2.37	7.73	2.19	2.58	.01	2.02	1.60	3.17	2.08	29.24
1930	1.25	.94	1.76	2.20	.89	4.03	1.99	.41	1.74	4.01	2.69	.88	22.79
1931	5.86	2.68	2.06	2.28	1.36	3.10	3.09	.30	.01	.75	.72	2.79	25.00
1932	3.30	1.86	1.05	2.61	2.10	1.94	5.52	6.71	8.77	.60	.10	1.01	35.57
1933	.66	1.92	.54	1.39	2.23	1.74	1.98	2.78	3.18	.27	.65	.39	17.64
1934	4.88	.43	2.05	4.56	1.65	.18	3.83	.88	1.95	.19	2.88	4.17	27.65
1935	.31	1.87	2.31	3.52	14.07	8.41	1.61	.98	5.61	1.94	.44	1.86	42.93
1936	.43	.40	2.66	2.77	6.13	6.43	2.68	2.73	4.07	1.89	2.17	1.75	34.11

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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San Antonio Airport Station, Bexar County--Continued

1937	0.96	0.13	2.10	0.84	7.68	2.19	1.82	0.14	0.04	3.09	0.86	6.22	26.07
1938	3.35	0.33	3.82	6.06	3.88	0.65	0.91	.44	1.82	0.13	.63	1.24	23.26
1939	2.08	.95	.65	.78	3.22	.10	2.12	5.08	1.90	.07	.99	.89	18.83
1940	.64	1.86	.94	2.50	4.19	7.47	.64	1.22	1.42	4.66	2.40	2.85	30.79
1941	2.14	1.86	2.95	4.36	2.50	2.03	.62	.23	4.88	3.13	.47	.97	26.34
1942	.13	2.01	.29	3.48	2.19	1.95	8.19	1.88	7.67	9.56	.47	.64	38.46
1943	.73	.09	1.58	1.48	2.56	1.91	3.72	.78	4.34	.17	1.95	1.20	20.51
1944	3.49	1.68	3.72	.94	6.76	1.64	T	4.32	1.30	1.52	3.66	4.16	33.19
1945	2.97	3.90	2.73	2.91	1.24	5.31	1.19	1.19	3.00	3.49	1.35	1.18	30.46
1946	3.64	2.24	1.75	5.54	3.47	2.92	.20	4.03	15.78	1.31	1.86	2.43	45.17
1947	2.14	.29	1.46	.30	3.32	.31	1.00	5.34	.06	.10	1.01	1.90	17.32
1948	.61	1.86	.59	1.40	1.59	2.96	2.35	5.83	1.98	3.24	1.00	.23	23.64
1949	2.91	2.98	2.27	8.99	.85	8.26	2.24	1.03	.78	7.58	.13	2.79	40.81
1950	.32	1.43	.24	3.42	2.44	1.03	1.60	6.15	3.02	.09	.13	.03	19.89
1951	.25	2.43	2.76	.93	4.44	7.07	.51	.06	3.75	1.44	.67	.13	24.44
1952	.81	2.01	2.34	3.40	1.91	1.86	2.75	0	3.02	T	4.47	3.67	26.24
1953	.41	.90	.53	2.08	1.00	2.19	.01	3.12	2.48	3.06	.34	1.44	17.56
1954	.51	.03	.03	1.94	1.46	2.71	1.25	1.05	.52	1.98	2.02	.20	13.70

San Antonio Nursery Station, Bexar County

1946	3.08	1.88	1.78	7.27	2.63	5.59	.85	7.18	27.55	2.61	1.17	1.32	62.91
1947	3.44	.17	1.58	.10	2.60	.48	.23	3.22	0	.42	1.00	1.40	14.64
1948	--	--	--	--	--	3.63	.78	2.48	2.20	2.11	1.32	.13	--
1949	2.38	2.75	.89	7.64	2.37	11.19	2.53	1.04	.12	6.31	.08	2.92	40.22
1950	.18	1.50	.32	2.92	1.17	1.73	2.80	2.25	3.63	.13	0	.03	16.66
1951	.24	1.92	2.67	1.27	5.99	--	.49	.80	3.50	--	--	--	--

Classens Ranch Station, Bexar County

1948	.93	2.94	1.19	1.57	1.41	3.46	1.52	1.78	1.68	2.68	.89	.38	20.43
1949	3.23	2.99	1.64	8.72	.23	5.01	2.61	2.47	3.88	6.43	T	2.72	39.93
1950	.63	2.93	.29	3.49	2.42	1.68	--	3.22	2.09	--	.32	0	--
1951	.38	--	2.89	.64	3.73	3.88	.53	T	5.21	1.86	1.35	.57	--
1952	.22	2.11	3.34	3.71	3.04	3.26	4.54	0	10.51	T	5.69	3.62	40.04
1953	.53	1.18	1.19	5.42	.89	3.47	.97	5.68	1.42	2.60	.42	3.15	26.92
1954	1.07	.09	.08	1.83	1.42	2.11	4.26	.82	.26	1.62	.91	.22	14.69

Randolph Field Station, Bexar County

1940	--	--	--	--	--	--	--	--	--	--	1.50	3.56	--
*1941	2.49	2.22	2.59	6.73	4.01	6.64	.59	.61	4.82	4.54	.75	1.14	37.23
*1942	.33	2.25	.32	3.05	2.02	2.32	9.31	3.90	7.86	8.50	.58	.16	40.60

* Unpublished data copied from the records of the Houston Weather Bureau
T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Randolph Field Station, Bexar County--Continued

*1943	0.99	0.16	1.33	1.75	3.54	2.89	3.97	--	1.78	0.61	--	--	--
*1944	2.81	1.61	3.54	1.51	6.35	1.22	0	3.07	2.76	1.02	2.87	2.14	28.90
1946	--	1.60	--	4.60	3.30	2.12	.10	5.43	7.26	1.57	1.73	1.60	--
1947	2.60	.17	1.24	.35	6.29	.08	.96	.12	0	.45	1.10	1.71	15.07
1948	--	--	--	--	--	--	--	1.40	1.59	2.43	1.15	.12	--
1949	1.87	3.21	1.22	9.94	1.38	--	--	--	1.16	11.20	0	2.80	--
1950	.13	2.27	.40	2.43	2.00	2.30	.89	--	1.66	.30	.24	.05	--
1951	--	1.51	--	.45	3.51	2.85	0	--	--	--	--	--	--

Fair Oaks Ranch Station, Comal County

1948	0	2.51	1.02	2.20	1.29	6.08	3.27	.97	2.18	2.18	.73	1.47	23.90
1949	2.62	3.90	3.54	--	--	2.88	4.74	4.56	2.57	4.00	0	3.05	--
1950	.97	3.14	.05	2.75	3.33	.85	3.00	4.14	.98	.10	3.18	0	22.99
1951	.13	2.79	3.17	.98	4.22	1.59	0	.65	1.60	1.00	.80	.43	17.36
1952	.48	3.04	3.13	4.45	4.98	2.58	1.45	0	8.88	0	5.15	3.38	37.52
1953	.48	1.50	.67	1.97	1.37	.95	.60	5.81	3.77	4.32	.20	1.25	22.89
1954	2.04	0	0	1.13	.91	.63	1.29	1.35	.24	2.22	1.18	.02	11.01

Bulverde Station, Comal County

1940	--	1.14	.79	2.84	3.69	4.47	1.91	1.50	1.48	2.88	4.94	5.81	--
1941	1.18	4.31	3.85	6.00	3.00	5.48	2.02	.54	3.52	7.05	.48	1.54	38.97
1942	.12	2.76	.20	3.97	2.40	2.17	4.86	3.15	7.17	8.15	1.32	.72	36.99
1943	.55	.15	1.53	1.78	3.62	2.17	7.45	.12	7.57	1.42	1.98	2.78	31.12
1944	3.91	3.81	4.42	4.83	5.87	2.53	.75	4.89	2.33	1.13	5.80	5.61	45.88
1945	3.21	4.08	5.19	1.45	.78	3.00	1.14	.35	2.92	4.43	.78	2.06	29.39
1946	3.55	2.53	5.07	3.77	4.05	3.59	.54	5.33	12.96	2.53	6.69	3.77	54.38
1947	2.86	.37	1.55	.55	2.87	0	.79	4.22	.58	1.01	.85	1.33	16.98
1948	.53	2.91	.88	1.94	2.45	2.25	1.44	.97	1.90	2.00	1.15	.92	19.34
1949	4.24	3.16	2.27	10.23	.98	3.75	4.03	1.50	1.72	4.41	.24	3.02	39.55
1950	.65	3.21	.31	3.96	6.39	1.92	3.07	3.96	3.04	.30	.30	.09	27.20
1951	.19	3.54	2.86	1.32	5.53	1.51	0.00	T	3.14	1.34	.84	.30	20.57
1952	.40	2.49	2.78	4.23	2.68	3.31	3.68	0	11.31	0	6.18	3.16	40.22
1953	.63	1.07	.71	3.90	.94	1.33	3.69	5.53	3.65	4.17	.29	1.02	26.93
1954	.92	.10	.03	1.49	2.14	1.44	1.18	3.28	.37	3.19	.76	.26	15.16

* Unpublished data copied from the records of the Houston Weather Bureau
T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Fischer Store Station, Comal County													
1890	1.70	1.55	0.20	4.95	4.32	3.91	0	1.77	7.00	1.26	1.56	0.81	29.03
1891	5.50	0.76	.76	4.40	2.60	1.71	0.80	1.65	4.30	.01	1.75	8.40	32.64
1892	2.00	.16	.65	.25	3.90	1.60	1.70	5.46	.28	2.05	1.16	5.05	24.26
1893	0	.10	2.40	.75	2.40	1.55	.25	.05	.01	0	4.85	1.25	13.61
1894	1.25	.50	.40	4.55	3.20	1.30	.45	7.35	1.00	1.75	0	.25	22.00
1895	1.25	2.45	1.35	1.25	5.20	4.90	0	1.25	2.65	1.76	3.30	.60	25.96
1896	4.50	3.60	1.10	4.85	0	1.00	4.20	0	12.25	4.80	.15	2.10	38.55
1897	1.90	0	3.20	2.65	.85	2.10	.50	3.10	.85	2.00	0	1.10	18.25
1898	.75	.75	1.25	1.90	1.50	5.75	3.35	1.50	.50	.15	.75	.25	18.40
1899	0	0	0	1.90	2.15	6.45	3.20	0	.50	4.48	1.50	4.00	24.18
1900	4.50	0	2.40	9.35	5.18	0	5.35	4.15	2.25	1.55	.50	.75	35.98
1901	0	0	.85	.50	4.52	.75	2.25	1.00	3.50	0	.50	0	13.87
1902	.75	.75	1.85	2.25	4.63	1.15	6.00	0.	3.95	2.00	5.05	3.50	31.88
1903	2.00	7.25	1.00	2.10	.50	4.00	7.00	2.65	.25	3.75	0	2.00	32.50
1904	0	0	.75	4.13	6.80	4.65	2.75	3.50	3.50	2.50	.25	.75	29.58
1905	1.75	1.75	3.25	6.75	2.00	2.40	2.50	1.25	2.75	2.50	2.50	1.00	30.40
1906	0	1.00	.50	1.50	1.10	1.50	4.38	.75	3.50	0	1.00	3.50	18.73
1907	.20	.25	1.00	2.53	7.25	1.25	1.00	0	1.50	5.50	5.25	0	25.73
1908	1.50	1.50	1.38	.50	5.00	.25	0	4.65	.50	1.50	.75	1.50	19.03
1909	0	0	.50	1.55	5.65	.80	4.25	.75	1.25	2.50	3.85	1.50	22.60
1910	0	.50	.56	4.00	4.75	1.50	1.50	.87	.90	2.88	1.25	3.33	22.04
1911	0	1.75	2.40	6.75	3.00	0	.50	.25	.65	1.27	2.75	2.00	21.32
1912	0	3.00	1.65	3.00	.95	3.75	.35	1.00	.25	3.75	2.25	1.50	21.45
1913	.75	1.25	1.20	.75	2.75	5.25	0	3.35	11.25	11.75	0	8.40	46.70
1914	0	.75	5.65	5.94	6.75	.75	0	16.85	1.00	2.75	2.40	2.00	44.84
1915	1.25	2.00	1.25	10.75	1.40	.30	2.63	3.00	2.25	0	.75	3.00	28.58
1916	3.90	0	4.15	1.15	7.35	.50	7.00	3.25	2.00	1.70	2.25	.25	33.50
1917	.50	.87	0	1.15	5.98	0	1.00	.75	.50	.25	1.25	0	12.25
1918	.60	2.00	1.10	6.73	1.75	1.15	1.25	3.30	.90	2.75	3.25	6.00	30.78
1919	3.55	2.75	1.95	2.00	4.03	5.50	10.00	5.00	7.40	8.50	.25	.75	51.68
1920	4.25	.35	1.22	0	7.25	2.55	.25	4.85	1.13	2.25	2.75	0	26.85
1921	1.65	1.00	3.50	4.60	1.75	5.60	1.25	0	12.00	.75	.75	0	32.85
1922	1.50	1.05	2.80	6.60	3.25	3.10	.25	3.15	2.00	2.50	1.40	0	27.60
1923	0	5.25	2.85	3.75	1.85	1.75	1.35	1.20	7.30	3.90	3.60	4.55	37.35
1924	1.38	3.30	2.65	3.20	6.20	1.75	1.34	.15	3.50	0	0	1.35	24.82
1925	.60	0	0	2.27	1.35	.67	2.37	3.14	1.76	7.73	2.65	1.00	23.54
1926	4.02	0	4.52	6.90	4.55	3.05	6.95	.90	.90	3.19	2.35	3.36	40.69
1927	1.28	3.02	2.45	2.36	1.40	5.15	2.06	.40	.70	8.15	0	2.95	29.92
1928	.53	3.57	1.38	1.75	5.15	3.28	3.19	.28	3.80	.80	2.85	2.25	28.83
1929	2.87	0	3.00	4.70	15.15	1.40	5.70	0	1.00	1.53	3.85	1.40	40.60
1930	.95	1.15	1.77	1.60	8.90	2.00	1.05	.32	2.27	6.71	2.05	2.03	30.80
1931	4.35	4.53	3.20	5.50	.90	3.27	4.25	1.35	0	.75	1.00	3.47	32.57
1932	5.21	2.12	2.47	1.00	1.52	.90	1.90	6.20	3.35	.15	.78	1.98	27.58
1933	3.50	2.03	.60	1.38	2.70	1.70	4.20	5.05	1.97	1.97	.60	1.20	26.90
1934	6.77	2.13	2.90	4.70	1.10	.20	2.65	.45	.70	0	3.45	3.57	28.62

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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Fischer Store Station, Comal County--Continued

1935	1.51	3.68	0.50	0.50	11.43	7.48	3.80	1.28	5.84	2.75	0.20	3.10	42.07
1936	0.43	0.85	1.18	2.25	8.03	5.85	3.83	1.95	6.65	2.60	1.95	2.29	37.86
1937	3.00	0	2.87	0.85	3.44	1.91	1.63	1.22	0.51	5.41	1.55	6.55	28.94
1938	3.80	1.43	1.35	5.21	3.05	2.33	2.20	0.43	.70	.41	.52	1.70	23.13
1939	10.08	1.23	.41	2.98	1.84	0.83	4.89	2.64	.32	1.10	1.82	1.39	29.53
1940	3.95	3.65	1.51	2.50	1.08	2.82	4.00	3.12	1.40	3.30	4.20	5.75	37.28
1941	2.20	2.47	4.23	5.71	3.73	8.75	0	0	2.18	4.98	.60	1.17	36.02
1942	0	1.50	.96	4.64	2.38	2.20	3.14	4.62	6.40	3.48	1.23	.60	31.15
1943	.69	.18	2.55	1.60	5.39	1.78	3.15	1.00	2.68	.45	1.05	2.31	22.83
1944	5.67	3.45	3.17	1.15	6.50	1.84	.38	4.02	2.88	1.35	5.59	5.55	41.55
1945	3.33	4.22	4.55	1.38	0.73	3.68	4.10	2.60	3.41	3.40	.80	3.10	35.30
1946	4.42	2.70	4.95	2.78	3.90	3.18	2.91	3.82	6.55	1.50	6.48	3.60	36.79
1947	4.70	.44	2.33	1.08	2.84	1.83	.85	2.90	0	.80	2.03	1.34	21.14
1948	.58	--	--	1.70	--	4.65	--	--	1.91	--	.70	--	--
1949	--	--	2.18	2.64	--	1.84	3.25	--	--	4.93	0	2.33	--
1950	.78	3.60	.15	3.96	3.35	2.06	--	.84	4.05	1.05	.72	0	--
1951	.24	3.31	3.75	1.28	3.40	3.27	0	.57	3.49	1.61	1.21	.78	22.91
1952	.34	2.39	2.69	4.60	5.41	2.04	1.53	0	11.94	0	3.97	3.25	38.16
1953	.48	1.44	.91	3.27	1.79	.88	3.42	5.29	5.65	2.56	.57	2.94	29.20
1954	1.43	.16	.08	1.85	.71	1.34	.14	2.38	1.14	3.82	.61	.32	13.98

Smithsons Valley Station, Comal County

*1946	--	--	--	--	--	--	--	--	--	--	--	3.75	--
*1947	2.96	.35	2.20	.60	3.89	.49	.83	7.18	.06	.30	1.45	1.15	21.46
1948	--	--	--	--	--	--	--	.72	--	--	--	--	--
1949	6.28	--	--	--	--	1.91	3.99	4.67	1.15	6.36	.15	3.40	--
1950	.57	4.13	--	3.34	2.98	2.98	1.39	1.14	2.79	.98	0	0	--
1951	--	3.56	3.81	1.82	2.21	3.79	0	0	4.49	1.31	1.16	.10	--
1952	.76	2.71	3.15	4.17	4.87	1.44	2.16	T	15.54	0	7.05	3.79	45.64
1953	.47	1.21	1.03	3.27	1.30	1.38	7.94	2.27	4.21	5.08	.23	2.52	30.91
1954	.23	0	--	2.23	2.47	0	1.50	1.36	0	6.38	0	.25	--

New Braunfels Station, Comal County

1888	--	--	--	--	--	--	--	--	--	--	--	3.95	--
1889	6.00	3.73	4.00	1.93	.71	7.42	2.60	6.00	7.96	.90	4.73	T	45.98
1890	.70	2.40	1.01	8.41	3.82	4.38	.84	1.58	6.47	2.58	.63	1.24	34.06
1891	6.33	.49	.32	6.35	2.11	2.55	3.19	1.72	2.58	1.14	.81	7.22	34.83
1892	2.03	.54	1.08	1.03	3.86	1.76	2.41	4.92	1.29	2.68	1.48	4.98	28.06
1893	.11	.69	2.27	3.28	2.87	.55	.39	1.27	.07	0	3.35	.58	15.43
1894	.93	.58	1.14	3.07	3.59	3.45	1.03	8.12	.81	1.91	0	0	24.63
1895	1.38	2.75	2.38	.32	7.51	9.39	T	1.93	.60	1.17	4.15	1.03	32.61
1896	3.01	2.27	.33	3.34	.64	.12	1.10	T	4.59	6.19	0	1.90	23.49
1897	1.56	.14	2.43	3.10	1.75	2.93	1.19	1.19	1.24	1.72	.32	1.84	20.13

* Unpublished data. Copied from the records at Houston Weather Bureau.

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
New Braunfels Station, Comal County--Continued													
1898	0.90	1.16	1.31	2.40	4.60	7.60	3.02	3.18	1.83	0.29	1.24	1.53	29.06
1899	.31	.46	0	2.20	2.35	5.21	5.94	0	1.17	2.43	2.89	4.29	27.25
1900	4.00	.74	4.45	11.80	3.75	T	3.58	2.73	4.55	3.78	1.48	1.22	42.08
1901	.57	.69	1.40	1.30	5.25	1.99	3.16	.86	2.72	.02	.47	.81	19.24
1902	1.08	.66	.63	2.40	3.35	.22	7.89	0	7.31	2.04	4.60	2.31	32.49
1903	2.73	9.87	1.38	1.82	1.89	5.63	6.15	3.19	.55	2.20	0	1.82	37.23
1904	.24	.71	.43	2.99	7.06	2.42	2.13	1.35	5.76	2.84	.73	1.27	27.93
1905	1.77	2.33	4.44	7.66	2.31	4.39	1.81	.26	1.11	2.57	3.94	2.39	34.98
1906	.39	1.31	1.70	2.84	.61	1.84	3.25	3.66	1.45	1.30	1.81	3.60	23.76
1907	.24	.26	2.24	2.11	--	--	--	--	--	6.24	9.28	--	--
1908	.91	3.19	1.88	3.52	3.90	.21	.43	3.08	3.78	3.04	1.58	3.98	29.50
1909	0	.47	.51	1.31	2.36	1.12	3.77	1.27	.19	4.57	2.48	1.61	19.66
1910	.27	1.03	.19	3.70	2.71	.39	.80	.18	1.40	2.52	.45	2.36	16.00
1911	.04	2.34	5.50	4.64	2.17	.29	.79	1.18	1.00	3.17	1.65	2.79	25.56
1912	.46	5.38	2.76	1.51	2.21	2.54	.77	T	1.34	2.51	3.07	3.35	25.90
1913	1.05	2.36	1.48	.95	3.11	5.64	1.40	2.25	4.66	12.78	6.60	8.12	50.40
1914	.19	1.85	2.37	5.41	4.79	1.41	.62	7.35	1.66	5.51	4.09	2.46	37.71
1915	1.23	1.98	1.62	9.75	2.78	.18	.94	3.23	2.66	.49	.63	2.47	27.96
1916	2.67	0	0	3.11	4.99	.71	3.77	3.12	1.41	2.54	1.93	.33	24.58
1917	1.23	1.29	.24	.64	4.51	.11	3.31	T	1.39	.57	0	0	13.29
1918	.87	1.04	1.19	2.36	3.72	1.39	.20	.54	1.79	4.55	3.42	4.79	25.86
1919	4.81	1.94	1.47	4.02	5.88	6.72	6.97	3.82	5.54	16.44	1.18	1.42	60.21
1920	3.64	.42	.84	1.00	3.98	3.12	.14	6.98	.88	2.02	2.68	.18	25.88
1921	3.11	.67	5.70	5.60	1.68	5.04	.23	.90	10.07	.98	.38	1.16	35.52
1922	1.36	1.72	5.08	6.81	4.02	3.32	.58	.53	1.33	4.59	1.31	.20	30.85
1923	1.16	4.44	2.48	3.77	3.32	2.25	2.15	1.58	3.77	5.57	3.06	5.94	39.49
1924	1.57	3.32	1.98	4.08	5.77	2.36	T	.15	2.30	.61	.05	2.39	24.58
1925	.20	.14	0	.33	1.94	3.13	.30	2.94	4.28	3.70	2.09	1.11	20.16
1926	4.37	.12	6.55	9.64	3.97	1.41	.90	.42	1.61	2.29	2.00	2.98	36.26
1927	1.29	1.64	3.73	1.37	1.71	4.78	1.20	0	1.18	3.87	0	2.17	22.94
1928	.81	5.13	1.18	1.58	3.13	8.36	2.44	.84	4.71	1.58	3.03	3.28	36.07
1929	2.47	.35	4.69	2.59	11.39	2.02	5.37	.64	1.85	3.69	3.35	1.74	40.15
1930	1.58	2.09	2.11	1.64	3.01	7.21	.30	0	1.56	5.24	2.28	1.68	28.71
1931	5.79	4.10	5.34	1.66	.93	2.41	4.34	1.77	.08	.35	.86	3.95	31.58
1932	4.66	2.92	1.61	2.76	1.92	1.61	2.50	4.90	5.19	.28	.75	2.05	31.15
1933	1.48	2.15	1.37	2.36	4.98	1.29	5.69	1.38	1.80	2.53	.83	.89	26.75
1934	7.98	1.94	3.02	1.85	.92	.29	3.02	.58	2.49	.18	2.55	5.98	30.80
1935	.71	2.84	1.87	2.44	11.81	4.21	3.10	.18	9.88	.93	.31	3.39	41.67
1936	.80	.63	1.64	2.51	5.47	3.60	1.29	3.28	4.53	2.55	2.67	1.44	30.41
1937	1.33	.15	4.07	.85	4.43	5.41	.53	.54	.51	3.30	1.90	6.17	29.19
1938	4.12	1.61	2.39	8.81	5.20	.75	2.22	.29	.65	.20	.98	1.11	28.32
1939	1.35	.81	.95	.98	2.15	.90	1.93	1.07	.67	.50	1.32	.72	13.35
1940	.90	2.95	1.57	3.62	3.45	9.89	1.04	1.00	1.43	3.74	4.50	4.02	38.11
1941	2.04	3.17	3.65	8.07	6.28	6.69	1.60	.49	3.70	4.51	1.28	1.51	42.99
1942	.46	2.92	.67	3.63	2.87	2.21	10.44	3.61	6.49	7.15	1.60	.57	42.08

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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New Braunfels Station, Comal County--Continued

1943	1.44	0.22	1.17	0.58	3.30	3.32	4.73	0	9.50	1.25	2.46	1.96	29.93
1944	6.24	3.22	4.03	1.58	8.93	1.68	0.22	3.94	1.34	0.46	6.48	5.02	43.14
1945	3.71	5.33	6.27	2.41	0.89	3.29	2.41	1.41	2.11	8.45	1.44	1.66	39.38
1946	4.77	2.58	3.96	2.02	5.75	10.88	1.89	7.14	8.33	3.74	2.60	3.21	56.60
1947	4.83	.42	2.00	1.72	7.32	0.71	1.49	4.54	0.74	T	1.67	2.08	27.52
1948	.56	2.99	1.11	1.98	1.52	1.23	1.59	2.82	1.81	2.69	1.58	--	--
1949	3.88	3.72	1.47	9.15	.75	5.43	.97	2.55	1.88	10.36	0.06	2.99	43.21
1950	.55	3.76	.42	4.11	3.14	3.02	2.25	.72	1.83	1.20	.13	0	21.13
1951	.41	2.64	2.92	.92	4.03	4.69	.04	.25	5.36	1.38	1.66	.54	24.84
1952	1.39	1.79	2.98	3.75	2.89	1.99	2.03	.02	9.53	.02	4.40	3.08	33.87
1953	.84	1.24	1.03	7.05	1.05	4.12	.32	4.15	2.18	3.84	.33	3.91	30.06
1954	1.74	.15	.08	1.99	1.57	1.74	.51	.14	.41	1.17	.50	.12	10.12

San Marcos Station, Hays County

1893	--	--	--	2.32	1.90	2.90	1.27	.80	.22	0	4.73	.46	--
1894	1.41	1.07	1.84	3.50	3.59	4.47	.23	3.18	1.29	2.05	0	.09	22.72
1895	1.30	2.27	1.41	1.39	9.94	6.61	.05	1.36	1.64	2.30	4.26	1.27	33.80
1896	3.15	2.84	1.43	3.00	.51	0	1.35	.45	9.78	4.58	.47	2.41	29.97
1897	1.61	.25	3.15	2.47	2.40	4.95	1.45	2.07	1.49	5.03	.33	2.37	27.57
1898	1.39	.54	1.54	2.32	6.40	6.85	1.09	2.10	2.30	1.11	1.74	1.32	28.70
1899	.46	.45	0	1.94	3.61	5.32	5.58	0	.94	3.00	2.10	4.97	28.37
1900	4.83	.85	4.54	12.37	5.01	0	8.79	2.41	2.58	5.50	3.65	1.60	52.13
1901	.20	1.80	.87	.60	3.14	1.11	5.40	1.02	3.99	.15	.87	.40	19.55
1902	.89	1.03	.40	3.16	4.51	.72	14.83	0	9.34	1.51	5.87	0	42.26
1903	3.63	10.31	2.60	1.27	1.53	3.90	8.96	.79	T	2.75	T	1.35	37.09
1904	0	1.55	.13	1.64	7.74	4.55	4.03	4.25	2.54	3.43	.33	1.33	31.52
1905	1.66	2.60	6.68	9.54	2.12	5.49	2.93	.65	.89	2.06	4.10	2.18	40.90
1906	.56	1.81	2.20	1.45	1.02	1.67	2.30	4.48	3.34	.37	2.23	2.06	23.49
1907	.90	.16	1.44	6.16	8.52	3.57	1.03	1.05	.84	3.88	7.99	1.02	36.56
1908	.86	3.87	1.25	2.45	3.58	.50	1.65	1.90	3.09	2.94	3.00	5.13	30.22
1909	0	.40	1.13	2.30	4.65	1.47	3.45	2.11	0	10.10	1.70	2.50	29.81
1910	.20	.93	1.10	3.80	2.80	.20	.77	.36	1.36	3.61	2.18	4.02	21.33
1911	0	1.57	3.40	5.09	2.52	.35	.22	1.65	.14	3.41	1.99	3.32	23.66
1912	1.17	5.06	2.55	1.36	1.64	2.71	.20	.12	.25	2.80	3.23	3.02	24.11
1913	.47	2.53	1.43	1.61	2.02	2.13	0	1.60	2.40	15.54	4.91	17.10	51.74
1914	.45	1.85	4.87	6.08	6.90	1.19	.30	5.12	1.70	5.45	3.09	2.41	39.41
1915	1.60	2.41	1.70	5.65	1.94	.29	2.29	3.89	1.76	.42	.50	2.23	24.68
1916	4.36	0	0	2.30	3.49	.80	2.11	3.14	2.24	1.80	2.15	.30	22.69
1917	1.20	1.67	.11	.47	7.06	.10	2.57	.30	.54	.35	1.40	0	15.77
1918	.82	2.10	3.10	6.49	2.61	1.89	T	1.26	1.65	3.94	2.23	3.52	29.61
1919	2.20	2.23	2.88	3.99	4.26	8.96	5.39	1.71	4.56	10.70	1.19	1.66	49.73
1920	4.38	0	1.10	.60	10.50	5.84	.70	6.19	1.08	2.10	3.03	.16	35.68
1921	2.66	1.45	9.40	8.00	2.40	7.00	.80	0	12.64	.50	0	0	44.85
1922	.35	2.37	4.90	9.45	4.75	2.10	.06	.28	.97	1.45	1.28	.27	28.23

T, trace.

Monthly precipitation in inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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San Marcos Station, Hays County--Continued

1923	2.09	6.99	2.13	4.16	1.55	0.73	1.08	4.30	4.25	5.61	3.90	6.38	43.17
1924	1.18	3.51	2.01	3.02	4.71	2.14	T	.29	2.30	T	0.40	2.40	21.96
1925	0.43	0.20	T	1.93	1.10	2.10	0.30	1.30	3.98	9.37	1.80	7.15	23.66
1926	4.45	0	8.50	10.30	2.35	2.04	4.05	1.30	1.80	3.80	3.30	4.40	46.29
1927	2.50	3.05	2.80	3.10	1.80	6.10	3.60	0	1.50	5.82	T	3.36	33.63
1928	.63	6.66	1.98	1.42	2.90	4.15	2.81	1.63	5.35	.33	2.80	3.28	33.94
1929	1.72	.16	4.93	3.99	14.35	1.00	4.59	0	.99	3.09	3.07	2.35	39.79
1930	1.52	2.62	2.79	1.34	4.75	3.14	.20	.46	3.52	6.04	2.25	2.69	31.32
1931	5.79	3.76	3.54	2.97	.58	2.38	1.66	1.23	T	.17	1.85	4.09	28.02
1932	5.63	1.25	2.85	2.75	1.33	.84	2.99	5.36	3.10	.11	.30	2.65	29.16
1933	2.51	2.88	1.12	1.90	3.58	2.17	8.91	.71	2.74	1.47	.68	1.14	29.81
1934	6.47	2.72	3.08	3.47	2.31	1.80	4.75	.71	2.60	.10	2.73	4.93	35.67
1935	2.37	3.61	1.71	1.60	11.67	4.78	2.26	.42	8.32	.78	.82	2.75	41.09
1936	.67	1.26	2.20	1.16	5.72	.93	7.30	1.46	4.95	2.54	2.69	2.60	33.48
1937	--	--	4.84	.71	3.55	3.29	1.06	.96	.56	3.95	1.71	5.40	--
1938	5.11	1.74	1.61	6.42	4.00	2.53	1.48	.43	1.77	.49	1.26	1.33	28.17
1939	2.33	.92	.82	2.03	1.98	.67	4.68	.78	1.37	.32	1.76	.93	18.59
1940	1.08	3.85	2.26	3.85	1.48	11.17	.80	.67	1.70	5.16	5.54	6.01	43.57
1941	2.21	3.18	3.96	6.10	2.30	6.82	6.86	.53	4.28	7.93	1.03	3.21	48.41
1942	.18	2.60	.11	4.01	2.06	2.04	7.92	4.10	9.91	9.42	1.65	.65	44.65
1943	1.24	.47	1.55	.61	3.41	1.92	3.57	T	6.96	1.64	2.26	1.82	25.45
1944	5.50	3.72	5.28	1.49	10.65	3.88	.16	3.43	3.06	.75	6.12	3.38	47.42
1945	3.80	5.18	--	3.43	.67	4.49	2.37	1.51	2.59	4.81	.79	2.10	--
1946	3.28	2.03	3.59	3.28	5.02	8.47	1.76	9.24	7.64	2.44	4.51	.98	52.24
1947	4.09	.36	3.31	1.53	6.56	.55	1.22	5.59	1.25	T	1.45	1.62	27.53
1948	--	3.70	--	--	3.22	2.66	.22	4.38	2.00	3.03	1.20	.86	21.27
1949	3.74	3.86	1.53	7.58	.61	2.61	1.81	2.43	2.24	8.46	0	2.35	36.22
1950	.25	3.75	.38	5.08	1.93	4.41	1.39	.62	2.16	1.09	.04	0	21.10
1951	.40	3.18	2.91	1.04	4.65	5.77	.28	.75	8.42	1.00	.97	1.51	30.88
1952	1.40	1.56	2.77	4.40	3.41	2.92	2.40	T	11.25	0	6.58	3.22	39.91
1953	.05	2.13	.91	5.95	1.28	3.96	2.04	3.53	4.42	5.26	.70	3.16	33.39
1954	1.07	.07	.07	2.36	2.54	--	.27	.95	1.08	2.31	.71	.57	--

T, trace.