

TEXAS BOARD OF WATER ENGINEERS

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BULLETIN 5306

RECORDS OF WATER-LEVEL MEASUREMENTS IN LAMB COUNTY, TEXAS

1914 - 1953

Compiled by

C. R. Follett, Engineer

Texas Board of Water Engineers

Prepared in cooperation with the Geological Survey,
United States Department of the Interior

December, 1953

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This bulletin contains measurements of the depths to water below land-surface datum in 64 wells in Lamb County, Texas. A few measurements made in 1914 by C. L. Baker and in 1936 by engineers of the Resettlement Administration are included in this bulletin.

In 1937 an inventory of water wells in Lamb County including depth-to-water measurements was made cooperatively by the United States Geological Survey, the Texas Board of Water Engineers and the Work Projects Administration. Observation wells selected in 1937 for water-level measurements have been measured periodically since then as a part of a State-wide cooperative program with the U. S. Geological Survey.

If more than one water-level measurement was made during a month, only the highest water level for that month is given in this report. The accompanying map shows the location of the observation wells with the well numbers assigned to them in the records. Discussions of the water-level measurements, pumping, rainfall, recharge, geology and other factors are given in reports referred to in the following list of publications.

LIST OF PUBLICATIONS

- ALEXANDER, W. H. Jr., and BROADHURST, W. L., Progress report on ground water in the High Plains in Texas, 1942. *
- ALEXANDER, W. H. Jr., and OTHERS, Progress report on ground water in the High Plains in Texas, 1943. *
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- BROADHURST, W. L., and ALEXANDER, W. H. Jr., Progress report on ground water in the High Plains in Texas, 1944.
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- _____, Records of wells in Lamb County, 1938.
- BURLEIGH, H. P., and WELLS, H. M., Preliminary report on the underground water supply of Plainview and vicinity, Texas, 1936. *
- HUGHES, WILLIAM F., Cost of pumping water for irrigation Texas High Plains, 1951.
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- LEGGAT, E. R., Development of wells for irrigation and fluctuation of water levels in the High Plains of Texas to January 1951, Bulletin 5104, 1951.
- MEINZER, O. E., and WENZEL, L. K., Water levels and artesian pressure in wells in the United States in 1937, U. S. Geol. Survey Water-Supply Paper 840, 1938.
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- _____, Water levels and artesian pressure in observation wells in the United States in 1940, Part 4, U. S. Geol. Survey Water-Supply Paper 909, 1941.
- _____, Water levels and artesian pressure in observation wells in the United States in 1941, Part 4, U. S. Geol. Survey Water-Supply Paper 939, 1943.

LIST OF PUBLICATIONS

MEINZER, O. E., and WENZEL, L. K., Water levels and artesian pressure in observation wells in the United States in 1942, Part 4, U. S. Geol. Survey Water-Supply Paper 947, 1944.

_____, Water levels and artesian pressure in observation wells in the United States in 1943, Part 4, U. S. Geol. Survey Water-Supply Paper 989, 1946.

SAYRE, A. N., and OTHERS, Water levels and artesian pressure in observation wells in the United States in 1944, Part 4, U. S. Geol. Survey Water-Supply Paper 1019, 1947.

_____, Water levels and artesian pressure in observation wells in the United States in 1945, Part 4, U. S. Geol. Survey Water-Supply Paper 1026, 1948.

_____, Water levels and artesian pressure in observation wells in the United States in 1946, Part 4, U. S. Geol. Survey Water-Supply Paper 1074, 1949.

_____, Water levels and artesian pressure in observation wells in the United States in 1947, Part 4, U. S. Geol. Survey Water-Supply Paper 1099, 1950.

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_____, Water levels and artesian pressure in observation wells in the United States in 1949, Part 4, U. S. Geol. Survey Water-Supply Paper 1159, 1952.

_____, Water levels and artesian pressure in observation wells in the United States in 1950, Part 4, U. S. Geol. Survey Water-Supply Paper 1168, 1952.

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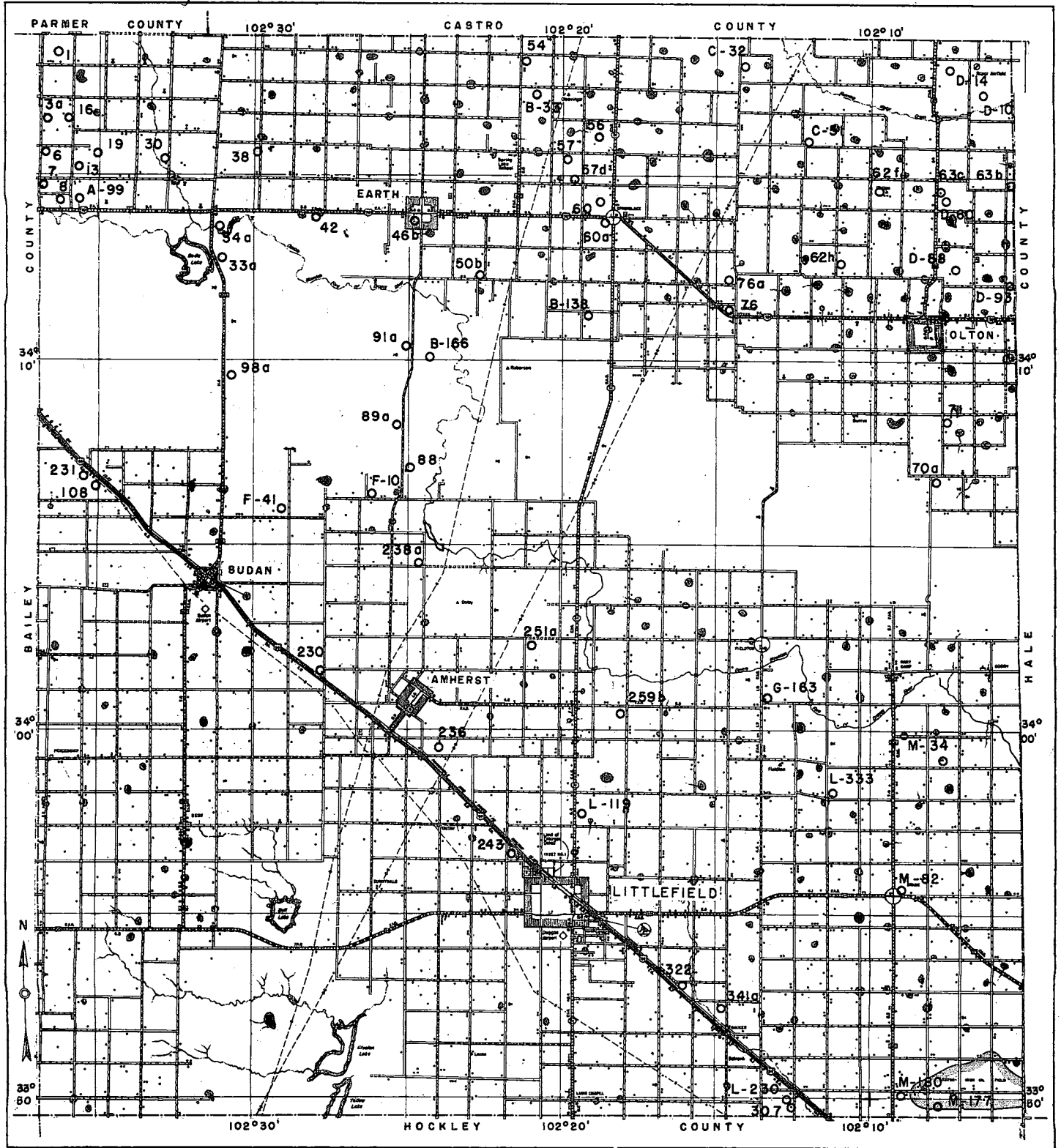
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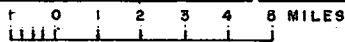
* Out of print. Copies available for references in most public libraries and at the Austin office of the U. S. Geological Survey.

LAMB COUNTY, TEXAS OBSERVATION WELLS February 1953

Bulletin 5306
Texas Board of Water Engineers
in cooperation with
U. S. Geological Survey



Base map by the Texas State
Highway Department



LAMB COUNTY

1. Lat. $34^{\circ}18'$, Long. $102^{\circ}36'$. Depth 128 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1936	68.90	Nov. 14, 1940	69.95	Mar. 1, 1946	68.17
Jan. 25, 1937	68.97	Jan. 27, 1941	69.81	Mar. 13, 1947	67.08
Mar. 30, 1938	70.00	Mar. 10	69.71	Mar. 11, 1949	68.90
June 16	71.10	Nov. 7	68.50	Feb. 17, 1950	70.62
Mar. 10, 1939	68.92	Mar. 16, 1942	67.96	Jan. 12, 1951	74.03
July 7	68.62	Nov. 30	67.20	Jan. 25, 1952	71.92
Sept. 15	69.56	Feb. 4, 1943	67.03	Jan. 14, 1953	73.74
Dec. 7	69.10	Mar. 14, 1944	66.80		
Mar. 18, 1940	69.05	Feb. 19, 1945	66.48		

3a. Lat. $34^{\circ}16'$, long. $102^{\circ}36'$. Depth 82 feet.

May 9, 1936	33.38	Dec. 7, 1939	29.98	Mar. 1, 1946	26.43
Oct. 23	29.93	Nov. 14, 1940	31.75	Jan. 14, 1947	29.22
Jan. 25, 1937	30.04	Jan. 27, 1941	30.78	Mar. 13	28.58
June 21	31.82	Mar. 10	30.49	Feb. 19, 1948	30.54
Mar. 30, 1938	29.03	July 31	27.56	Mar. 11, 1949	33.85
Sept. 16	30.22	Nov. 17	24.57	Feb. 17, 1950	34.61
Oct. 25	29.98	Mar. 16, 1942	22.88	Jan. 12, 1951	35.52
Dec. 1	29.62	Nov. 30	22.08	Jan. 12, 1952	38.09
Mar. 9, 1939	29.13	Feb. 4, 1943	21.85	Jan. 14, 1953	42.15
July 7	31.22	Feb. 14, 1944	23.68		
Sept. 15	39.10	Feb. 19, 1945	24.72		

6. Lat. $34^{\circ}15'$, long. $102^{\circ}36'$. Depth 150 feet.

1914	18.00	Jan. 27, 1941	21.49	Mar. 13, 1947	22.41
June 15, 1938	21.23	Mar. 10	21.34	Feb. 18, 1948	23.55
Oct. 25	20.80	July 21	15.90	Mar. 11, 1949	27.67
Mar. 10, 1939	20.03	Nov. 1	14.15	Feb. 15, 1950	27.36
July 7	20.76	Mar. 16, 1942	13.10	Jan. 12, 1951	30.33
Sept. 15	20.70	Nov. 30	13.00	Jan. 25, 1952	32.49
Dec. 7	20.52	Feb. 4, 1943	13.32	Jan. 14, 1953	35.42
Mar. 18, 1940	20.45	Feb. 14, 1944	16.65		
Nov. 14	21.71	Feb. 19, 1945	17.80		

LAMB COUNTY

7. Lat. $34^{\circ}14'$, long. $102^{\circ}36'$. Depth 104 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 14, 1934	13.79	Dec. 7, 1939	16.10	Feb. 4, 1943	8.25
May 9, 1936	15.38	Oct. 28, 1940	17.14	Feb. 14, 1944	10.30
Aug. 16	15.43	Nov. 13	17.08	Feb. 28, 1946	14.34
Jan. 25, 1937	15.26	Jan. 27, 1941	16.89	Mar. 13, 1947	14.97
June 21	14.57	Mar. 10	16.74	Mar. 11, 1949	21.44
Mar. 30, 1938	14.63	May 30	13.12	Feb. 17, 1950	22.32
Sept. 16	15.96	July 31	7.38	Jan. 12, 1951	23.45
Oct. 25	15.76	Nov. 1	5.31	Jan. 25, 1952	23.05
Dec. 1	15.57	Mar. 16, 1942	6.72	Jan. 14, 1953	27.20
Mar. 10, 1939	15.18	July 3	8.13		
July 7	16.03	Nov. 30	8.14		

8. Lat. $34^{\circ}14'$, long. $102^{\circ}36'$. Depth 41 feet.

Oct. 26, 1936	15.79	Mar. 10, 1939	15.48	Feb. 19, 1945	12.95
Jan. 26, 1937	15.54	July 7	16.64	Feb. 28, 1946	14.67
Aug. 30	15.43	Dec. 7	16.52	Mar. 13, 1947	14.68
Nov. 21	15.00	Nov. 13, 1940	17.33	Feb. 19, 1948	17.08
Jan. 10, 1938	15.00	Jan. 27, 1941	16.96	Mar. 11, 1949	21.05
Mar. 30	14.97	Mar. 10	16.85	Feb. 17, 1950	20.12
Sept. 16	16.34	Nov. 17	6.16	Jan. 12, 1951	20.13
Oct. 25	16.00	Mar. 16, 1942	7.81	Jan. 25, 1952	22.67
Dec. 1	15.83	Feb. 15, 1944	12.52	Jan. 14, 1953	26.25

13. Lat. $34^{\circ}15'$, long. $102^{\circ}35'$. Depth 150 feet.

Nov. 14, 1934	21.67	July 7, 1939	19.64	Feb. 14, 1944	15.70
May 9, 1936	20.84	Sept. 15	20.73	Feb. 19, 1945	16.40
Oct. 26	19.39	Dec. 7	19.70	Mar. 1, 1946	18.03
Jan. 26, 1937	19.13	Mar. 18, 1940	19.60	Jan. 14, 1947	15.43
June 24	18.46	Nov. 13	20.59	Mar. 13	19.09
Mar. 30, 1938	18.21	Jan. 27, 1941	20.37	Feb. 19, 1948	21.70
June 16	19.14	Mar. 10	20.92	Mar. 11, 1949	26.69
Sept. 16	19.41	Nov. 17	10.47	Feb. 17, 1950	27.69
Oct. 25	19.32	Mar. 16, 1942	10.59	Jan. 12, 1951	30.00
Dec. 1	19.21	Nov. 30	11.19	Jan. 25, 1952	30.06
Mar. 10, 1939	19.00	Feb. 4, 1943	11.58	Jan. 24, 1953	35.13

LAMB COUNTY

16. Lat. $34^{\circ}16'$, long. $102^{\circ}35'$. Depth 100 feet.

Date	Water level	Date	Water level	Date	Water level
May 6, 1936	37.38	Jan. 27, 1941	36.77	Jan. 14, 1947	34.31
Jan. 25, 1937	36.25	Mar. 10	36.59	Feb. 19, 1948	36.60
June 24	36.70	Nov. 17	31.59	Mar. 11, 1949	40.30
Mar. 30, 1938	35.67	Mar. 16, 1942	30.31	Feb. 17, 1950	41.40
June 16	36.23	Nov. 30	29.47	Jan. 12, 1951	43.09
Sept. 15, 1939	36.51	Feb. 4, 1943	29.11	Jan. 25, 1952	46.10
Dec. 7	36.12	Feb. 10, 1944	30.50	Jan. 14, 1953	50.15
Mar. 18, 1940	35.91	Feb. 19, 1945	31.62		
Nov. 13	37.08	Mar. 1, 1946	32.68		

19. Lat. $34^{\circ}15'$, long. $102^{\circ}35'$. Depth 103 feet.

Oct. 30, 1936	19.79	Dec. 7, 1939	19.96	Feb. 14, 1944	14.94
Jan. 26, 1937	19.59	Mar. 18, 1940	19.92	Feb. 19, 1945	16.30
Mar. 30, 1938	19.16	Nov. 13	20.67	Mar. 13, 1947	19.64
June 16	20.03	Jan. 27, 1941	20.48	Feb. 19, 1948	20.68
Sept. 16	20.01	Mar. 10	20.43	Mar. 11, 1949	26.25
Oct. 25	19.84	Nov. 17	11.57	Feb. 17, 1950	27.60
Mar. 10, 1939	19.58	Mar. 16, 1942	11.59	Jan. 12, 1951	27.98
July 7	19.94	Nov. 30	11.44	Jan. 25, 1952	30.83
Sept. 15	20.07	Feb. 4, 1943	11.98	Jan. 14, 1953	35.41

30. Lat. $34^{\circ}15'$, long. $102^{\circ}32'$. Depth 45 feet.

May 14, 1936	24.00	Dec. 7, 1939	23.58	Feb. 19, 1945	20.70
Oct. 28	24.51	Mar. 18, 1940	23.71	Feb. 28, 1946	21.95
Feb. 4, 1937	23.72	Nov. 13	23.99	Jan. 14, 1947	21.76
June 24	23.25	Jan. 27, 1941	23.96	Mar. 13	24.03
Mar. 30, 1938	23.09	Mar. 10	24.01	Feb. 19, 1948	24.87
Sept. 16	24.05	Nov. 17	17.00	Mar. 11, 1949	26.65
Oct. 25	23.76	Mar. 16, 1942	17.40	Feb. 17, 1950	29.15
Mar. 10, 1939	23.34	Nov. 30	17.22	Jan. 12, 1951	30.22
July 7	23.57	Feb. 4, 1943	17.73	Jan. 25, 1952	31.87
Sept. 15	23.72	Feb. 14, 1944	20.00	Jan. 14, 1953	35.59

LAMB COUNTY

33a. Lat. $34^{\circ}12'$, long. $102^{\circ}31'$.

Date	Water level	Date	Water level	Date	Water level
Sept. 23, 1938	25.06	Aug. 15, 1939	24.14	Mar. 20, 1941	24.41
Oct. 24	25.21	Sept. 15	23.87	May 30	23.28
Jan. 16, 1939	24.34	Oct. 17	23.88	Mar. 14, 1942	9.07
Mar. 4	24.06	Dec. 18	23.90	July 28	11.45
Apr. 3	24.03	Mar. 25, 1940	23.88	Aug. 27	12.30
June 22	24.27	Apr. 22	23.86	Nov. 30	13.04
July 7	24.27	Nov. 18	24.56	Feb. 4, 1943	13.53

34a. Lat. $34^{\circ}13'$, long. $102^{\circ}31'$.

Oct. 24, 1938	12.01	Oct. 13, 1939	11.09	July 31, 1941	3.85
Jan. 16, 1939	11.14	Dec. 18	11.31	Mar. 14, 1942	3.57
Mar. 4	11.24	Mar. 25, 1940	11.22	July 28	5.99
Apr. 3	11.21	Apr. 22	11.18	Nov. 30	5.85
June 22	11.60	Nov. 18	12.00	Feb. 4, 1943	5.74
July 7	11.26	Mar. 20, 1941	11.87		
Aug. 15	10.08	May 30	6.35		

38. Lat. $34^{\circ}15'$, long. $102^{\circ}29'$. Depth 70 feet.

Oct. 28, 1936	40.10	Feb. 19, 1945	35.70	Feb. 17, 1950	41.65
Feb. 4, 1937	39.27	Feb. 28, 1946	36.93	Jan. 12, 1951	40.14
Mar. 30, 1938	42.16	Mar. 13, 1947	37.03	Jan. 25, 1952	44.49
Feb. 11, 1943	33.78	Feb. 19, 1948	38.59	Jan. 14, 1953	46.08
Feb. 14, 1944	35.25	Mar. 11, 1949	41.38		

42. Lat. $34^{\circ}13'$, long. $102^{\circ}29'$. Depth 24 feet.

Feb. 5, 1937	19.01	Jan. 27, 1939	19.23	Mar. 20, 1941	18.80
June 24	17.95	July 7	20.02	Nov. 17	11.90
Aug. 30	19.18	Sept. 15	18.50	Mar. 16, 1942	12.52
Jan. 10, 1938	18.63	Dec. 7	18.78	Nov. 30	12.95
June 16	19.13	Mar. 25, 1940	18.84	Feb. 4, 1943	12.83
Sept. 16	19.81	Nov. 13	19.88		

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46b. Lat. $34^{\circ}13'$, long. $102^{\circ}24'$.

Date	Water level	Date	Water level	Date	Water level
Feb. 28, 1946	37.12	Mar. 11, 1949	39.78	Jan. 25, 1952	39.55
Mar. 18, 1947	36.42	Feb. 16, 1950	39.84	Jan. 14, 1953	42.55
Feb. 19, 1948	37.48	Jan. 12, 1951	38.63		

50b. Lat. $34^{\circ}12'$, long. $102^{\circ}22'$. Depth 150 feet.

Aug. 14, 1942	48.18	Mar. 1, 1946	46.54	Jan. 12, 1951	50.71
Nov. 12	44.63	Mar. 13, 1947	46.08	Jan. 29, 1952	47.57
Feb. 23, 1943	43.65	Feb. 19, 1948	46.43	Jan. 14, 1953	50.10
Feb. 8, 1944	44.72	Mar. 11, 1949	48.95		
Feb. 22, 1945	45.08	Feb. 16, 1950	49.20		

54. Lat. $34^{\circ}18'$, long. $102^{\circ}21'$. Depth 225 feet.

Apr. 1, 1937	87.42	Feb. 22, 1945	87.27	Feb. 16, 1950	95.77
June 13, 1938	88.94	Mar. 2, 1946	88.43	Jan. 12, 1951	94.93
Nov. 10, 1942	88.93	Mar. 13, 1947	89.14	Jan. 25, 1952	97.38
Feb. 23, 1943	86.08	Feb. 19, 1948	90.45	Jan. 14, 1953	100.33
Feb. 7, 1944	86.30	Mar. 11, 1949	92.76		

56. Lat. $34^{\circ}16'$, long. $102^{\circ}19'$. Depth 215 feet.

Sept. 3, 1940	101.33	Feb. 22, 1945	97.10	Jan. 12, 1951	124.23
Nov. 12, 1942	97.30	Mar. 13, 1947	99.48	Jan. 31, 1952	108.75
Feb. 23, 1943	96.78	Feb. 19, 1948	101.04	Jan. 14, 1953	110.23
Feb. 4, 1944	97.29	Mar. 11, 1949	102.73		

57. Lat. $34^{\circ}15'$, long. $102^{\circ}19'$. Depth 224 feet.

Nov. 10, 1942	87.56	Mar. 2, 1946	88.67	Jan. 12, 1951	89.35
Feb. 23, 1943	86.88	Mar. 13, 1947	89.44	Jan. 25, 1952	96.05
Feb. 7, 1944	87.40	Feb. 19, 1948	91.10	Jan. 14, 1953	98.70
Feb. 22, 1945	87.27	Mar. 11, 1949	92.18		

LAMB COUNTY

57d. Lat. $34^{\circ}14'$, long. $102^{\circ}19'$. Depth 230 feet.

Date	Water level	Date	Water level	Date	Water level
Aug. 13, 1942	93.95	Feb. 22, 1945	88.90	Mar. 11, 1949	94.30
Nov. 10	89.22	Mar. 2, 1946	90.54	Jan. 12, 1951	97.00
Feb. 23, 1943	88.42	Mar. 13, 1947	93.24	Jan. 25, 1952	100.53
Feb. 7, 1944	88.93	Feb. 19, 1948	92.86	Jan. 14, 1953	101.91

60. Lat. $34^{\circ}14'$, long. $102^{\circ}18'$. Depth 220 feet.

June 24, 1937	69.12	Nov. 19, 1941	69.49	Jan. 14, 1947	70.38
Aug. 30	69.37	Mar. 16, 1942	68.84	Feb. 19, 1948	71.79
June 7, 1938	69.79	Nov. 10	67.30	Mar. 11, 1949	74.56
Jan. 27, 1939	69.42	Feb. 4, 1943	66.80	Feb. 16, 1950	74.57
Sept. 15	71.70	Feb. 8, 1944	67.97	Jan. 25, 1952	78.51
Nov. 13, 1940	71.38	Feb. 22, 1945	68.07	Jan. 14, 1953	81.31
Mar. 20, 1941	70.54	Feb. 28, 1946	69.39		

60a. Lat. $34^{\circ}13'$, long. $102^{\circ}18'$.

Mar. 11, 1949	55.02	Jan. 12, 1951	56.65	Jan. 15, 1953	62.45
Feb. 16, 1950	55.84	Jan. 25, 1952	59.55		

62f. Lat. $34^{\circ}14'$, long. $102^{\circ}09'$. Depth 232 feet.

Nov. 9, 1942	93.52	Mar. 18, 1947	93.37	Jan. 12, 1951	102.12
Feb. 23, 1943	93.50	Feb. 19, 1948	98.53	Jan. 31, 1952	106.80
Feb. 1, 1944	93.78	Mar. 11, 1949	101.20	Jan. 14, 1953	110.78
Feb. 23, 1945	93.67	Feb. 16, 1950	101.80		

62h. Lat. $34^{\circ}12'$, long. $102^{\circ}11'$. Depth 185 feet.

Nov. 9, 1942	82.22	Mar. 2, 1946	82.80	Feb. 16, 1950	92.32
Feb. 23, 1943	81.92	Mar. 18, 1947	83.88	Jan. 12, 1951	97.64
Feb. 1, 1944	82.00	Feb. 19, 1948	86.06	Jan. 31, 1952	95.43
Feb. 23, 1945	81.88	Mar. 11, 1949	89.33	Jan. 14, 1953	99.32

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63b. Lat. 34°14', long. 102°05'. Depth 240 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 9, 1942	90.90	Feb. 23, 1945	91.50	Mar. 11, 1949	99.19
Feb. 23, 1943	90.74	Mar. 18, 1947	94.22	Jan. 25, 1952	105.90
Feb. 1, 1944	91.15	Feb. 19, 1948	96.14	Jan. 13, 1953	111.90

63c. Lat. 34°14', long. 102°07'.

Sept. 11, 1942	78.32	Feb. 23, 1945	78.30	Feb. 19, 1948	81.55
Nov. 9	78.27	Mar. 2, 1946	78.95		
Feb. 23, 1943	78.20	Mar. 18, 1947	80.68		

70a. Lat. 34°06', long. 102°07'.

June 14, 1938	64.15	Feb. 8, 1944	55.55	Feb. 20, 1948	58.05
Sept. 11, 1942	57.14	Feb. 23, 1945	55.42	Mar. 14, 1949	61.82
Nov. 12	56.57	Mar. 2, 1946	56.89	Jan. 31, 1952	64.94
Feb. 23, 1943	55.80	Mar. 18, 1947	58.83	Jan. 13, 1953	68.84

71. Lat. 34°08', long. 102°07'. Depth 170 feet.

May 28, 1937	62.18	Feb. 23, 1945	59.65	Jan. 13, 1951	74.02
Aug. 12, 1942	61.51	Mar. 18, 1947	61.79	Jan. 31, 1952	69.20
Nov. 12	60.93	Feb. 20, 1948	63.79	Jan. 15, 1953	71.31
Feb. 23, 1943	60.20	Mar. 14, 1949	65.97		
Feb. 8, 1944	59.58	Feb. 16, 1950	67.22		

76. Lat. 34°11', long. 102°14'. Depth 220 feet.

June 24, 1937	76.30	Mar. 16, 1942	71.69	Mar. 18, 1947	69.13
Jan. 10, 1938	75.47	Nov. 10	70.93	Feb. 18, 1948	71.34
June 7	77.54	Feb. 4, 1943	70.39	Mar. 14, 1949	73.98
Jan. 27, 1939	75.73	Feb. 8, 1944	69.75	Feb. 16, 1950	75.45
Mar. 20, 1941	75.15	Mar. 2, 1946	68.89	Jan. 14, 1953	87.16

LAMB COUNTY

76a. Lat. $34^{\circ}12'$, long. $102^{\circ}14'$. Depth 123 feet.

Date	Water level	Date	Water level	Date	Water level
June 7, 1938	84.21	Mar. 20, 1941	82.47	July 28, 1942	81.32
Jan. 27, 1939	84.27	July 31	81.10	Nov. 10	79.03
Apr. 22, 1940	83.51	Nov. 19	80.67	Feb. 4, 1943	80.14
Nov. 13	82.56	Mar. 16, 1942	80.89	Feb. 8, 1944	77.85

88. Lat. $34^{\circ}06'$, long. $102^{\circ}25'$. Depth 42 feet.

Feb. 23, 1937	38.64	Dec. 18, 1939	37.98	Mar. 2, 1946	35.29
Aug. 12, 1938	39.03	Mar. 25, 1940	38.08	Mar. 18, 1947	34.80
Sept. 23	39.20	Dec. 2	38.64	Feb. 20, 1948	34.28
Oct. 24	39.21	Mar. 20, 1941	38.61	Mar. 14, 1949	36.16
Jan. 16, 1939	39.13	May 30	37.75	Feb. 17, 1950	36.29
Mar. 4	39.03	July 31	35.38	Jan. 17, 1951	34.76
Apr. 3	39.08	Nov. 19	33.60	Jan. 19, 1952	35.83
June 22	39.29	Mar. 14, 1942	32.61	Jan. 15, 1953	37.20
Aug. 15	38.41	Feb. 8, 1944	34.00		
Oct. 13	37.90	Feb. 19, 1945	34.45		

89a. Lat. $34^{\circ}08'$, long. $102^{\circ}25'$. Depth 65 feet.

July 13, 1939	30.03	Mar. 25, 1940	29.28	July 31, 1941	26.62
Aug. 15	28.68	Dec. 2	30.13	Nov. 19	25.28
Oct. 13	28.97	Mar. 30, 1941	30.10	Mar. 14, 1942	23.97
Dec. 18	29.20	May 30	28.80	Feb. 4, 1943	23.76

91a. Lat. $34^{\circ}10'$, long. $102^{\circ}25'$.

Oct. 24, 1938	11.73	July 7, 1939	11.42	Mar. 20, 1941	12.33
Jan. 16, 1939	10.68	July 14	11.63	May 30	8.38
Mar. 4	11.75	Aug. 15	9.88	July 31	1.36
Apr. 3	11.88	Oct. 13	11.54	Nov. 19	0.41
June 22	11.72	Dec. 18	11.70	Aug. 27, 1942	4.60
June 27	11.53	Mar. 25, 1940	11.90	Mar. 21, 1943	4.65

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98a. Lat. 34°09', long. 102°30'. Depth 46 feet.

Date	Water level	Date	Water level	Date	Water level
June 22, 1939	37.70	Apr. 22, 1940	37.78	Mar. 14, 1942	36.12
Aug. 15	37.66	Nov. 18	38.85	July 28	35.25
Oct. 13	37.85	Mar. 20, 1941	38.85	Nov. 30	34.50
Dec. 18	37.98	May 30	38.28	Feb. 4, 1943	34.32
Mar. 25, 1940	37.98	Nov. 19	36.98	Feb. 2, 1944	34.70

108. Lat. 34°06', long. 102°30'. Depth 100+ feet.

Aug. 17, 1937	78.22	June 19, 1939	80.10	Mar. 20, 1941	79.92
Jan. 21, 1938	78.78	Aug. 15	72.36	July 30	71.86
Apr. 11	78.97	Oct. 12	78.80	Mar. 14, 1942	77.44
June 9	79.04	Dec. 18	78.80	Feb. 4, 1943	76.34
Sept. 19	79.09	Mar. 25, 1940	79.01		
Mar. 9, 1939	79.31	Nov. 18	79.08		

230. Lat. 34°01', long. 102°27'. Depth 130 feet.

June 25, 1937	90.81	Mar. 9, 1939	86.23	May 30, 1941	85.52
Aug. 17	88.97	June 19	86.10	July 30	84.99
Jan. 21, 1938	84.48	Aug. 15	86.04	Nov. 19	81.16
Apr. 11	92.42	Oct. 13	86.00	Mar. 14, 1942	78.32
June 4	86.56	Nov. 18, 1940	85.52	July 28	77.81
Sept. 19	86.58	Mar. 20, 1941	85.50	Feb. 4, 1943	77.28

231. Lat. 34°06', long. 102°35'. Depth 136 feet.

June 25, 1937	96.07	Dec. 18, 1939	96.37	Feb. 2, 1944	101.60
Jan. 21, 1938	96.56	Mar. 25, 1940	96.37	Mar. 2, 1946	94.21
Apr. 11	96.54	Nov. 18	96.60	Mar. 18, 1947	93.55
June 9	96.49	Mar. 20, 1941	96.28	Feb. 20, 1948	93.62
Sept. 19	96.52	May 30	96.31	Mar. 14, 1949	93.33
Mar. 9, 1939	97.43	July 30	96.24	Feb. 17, 1950	92.61
June 19	96.62	Nov. 19	96.11	Jan. 17, 1951	93.60
Aug. 15	96.74	Mar. 14, 1942	95.72	Jan. 29, 1952	94.70
Oct. 12	96.41	July 28	95.63	Jan. 15, 1953	94.81

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236. Lat. 33°59', long. 102°35'. Depth 135 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 8, 1937	70.50	Mar. 14, 1942	75.51	Mar. 18, 1947	69.85
Jan. 21, 1938	78.30	Feb. 4, 1943	73.45	Feb. 20, 1948	67.90
June 19	78.12	Feb. 22, 1944	71.84	Jan. 17, 1951	73.99
Nov. 18, 1940	78.94	Feb. 19, 1945	71.00	Jan. 28, 1952	74.05
Mar. 20, 1941	78.21	Mar. 2, 1946	71.52	Jan. 15, 1953	77.53

238a. Lat. 34°04', long. 102°24'. Depth 65 feet.

Aug. 10, 1938	55.08	Apr. 3, 1939	54.70	Mar. 25, 1940	53.57
Sept. 23	55.43	June 22	55.11	Dec. 2	54.21
Oct. 24	55.50	July 13	54.78	Mar. 20, 1941	53.77
Dec. 22	55.57	Aug. 15	54.57	Mar. 14, 1942	45.02
Jan. 16, 1939	55.01	Oct. 13	54.06	Feb. 4, 1943	46.44
Mar. 4	54.69	Dec. 18	53.88		

243. Lat. 33°56', long. 102°21'. Depth 130 feet.

June 25, 1937	78.04	Dec. 9, 1940	77.72	Mar. 2, 1946	75.59
Jan. 20, 1938	77.65	Mar. 20, 1941	77.70	Jan. 16, 1947	74.60
Apr. 11	77.81	July 30	76.90	Mar. 18	74.50
June 9	77.78	Nov. 19	76.36	Feb. 10, 1948	74.00
Sept. 19	77.93	Mar. 14, 1942	75.43	Feb. 17, 1950	75.40
Mar. 10, 1939	77.74	Feb. 1, 1943	75.30	Jan. 17, 1951	75.52
June 19	77.75	Feb. 22, 1944	75.30	Jan. 28, 1952	78.65
Oct. 13	77.67	Feb. 19, 1945	75.30	Jan. 15, 1953	80.21

251a. Lat. 34°02', long. 102°20'. Depth 92 feet.

June 22, 1939	67.88	Dec. 9, 1940	67.61	Feb. 21, 1944	51.30
Aug. 15	67.50	Mar. 20, 1941	67.67	Feb. 19, 1945	53.65
Oct. 3	67.58	Nov. 19	62.14	Feb. 20, 1948	53.49
Dec. 18	69.60	Mar. 13, 1942	56.88	Mar. 14, 1950	55.43
Mar. 25, 1940	67.56	Feb. 1, 1943	52.71		

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259b. Lat. 34°00', long. 102°18'. Depth 99 feet.

Date	Water level	Date	Water level	Date	Water level
June 21, 1938	76.32	Mar. 4, 1939	76.12	Mar. 25, 1940	76.20
Aug. 10	76.22	Apr. 3	76.21	Dec. 9	76.39
Sept. 23	76.19	June 22	76.53	Mar. 20, 1941	76.37
Oct. 24	76.19	Aug. 15	76.56	Nov. 19	73.78
Dec. 22	76.17	Oct. 13	76.55	Mar. 13, 1942	72.10
Jan. 16, 1939	76.14	Dec. 18	76.40	Feb. 1, 1943	71.05

307. Lat. 33°49', long. 102°12'. Depth 100 feet.

May 5, 1937	31.70	Mar. 14, 1949	39.39	Jan. 11, 1951	44.50
Mar. 15, 1947	36.43	Feb. 15, 1950	41.54	Jan. 29, 1952	45.36
Feb. 20, 1948	36.53	Sept. 16	55.92	Jan. 15, 1953	52.41

322. Lat. 33°53', long. 102°16'.

Apr. 29, 1937	40.90	Aug. 15, 1939	40.82	Feb. 19, 1945	36.45
Aug. 17	40.99	Dec. 16, 1940	41.10	Mar. 2, 1946	39.88
Jan. 20, 1938	40.75	Mar. 20, 1941	41.10	Mar. 18, 1947	39.92
Apr. 11	40.86	July 29	39.70	Feb. 20, 1948	43.10
June 9	40.88	Nov. 18	37.54	Mar. 14, 1949	46.37
Sept. 19	40.97	Mar. 26, 1942	36.75	Feb. 17, 1950	47.69
Jan. 16, 1939	40.83	July 28	36.64	Jan. 17, 1951	48.45
Mar. 10	40.88	Feb. 1, 1943	35.75	Jan. 29, 1952	49.19
June 19	40.98	Jan. 29, 1944	35.35	Jan. 15, 1953	54.56

341a. Lat. 33°52', long. 102°14'.

Aug. 16, 1937	40.86	Oct. 13, 1939	41.84	Mar. 2, 1946	41.72
Sept. 22	40.90	Dec. 16, 1940	42.69	Jan. 16, 1947	42.99
Jan. 20, 1938	40.92	Mar. 20, 1941	42.52	Mar. 18	41.21
Apr. 11	41.13	May 30	42.23	Feb. 20, 1948	46.29
June 21	41.38	July 29	41.20	Mar. 14, 1949	45.80
Sept. 19	41.58	Nov. 18	39.92	Feb. 17, 1950	47.46
Jan. 16, 1939	41.60	Mar. 26, 1942	39.28	Jan. 17, 1951	48.54
Mar. 10	41.53	Feb. 1, 1943	38.34	Jan. 29, 1952	55.10
June 19	41.86	Jan. 29, 1944	37.84	Jan. 15, 1953	59.15
Aug. 15	41.63	Feb. 19, 1945	38.60		

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A-99. Lat. $34^{\circ}14'$, long. $102^{\circ}35'$. Depth 120 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 4, 1949	18.9	Apr. 24, 1950	24.6	Mar. 22, 1951	17.8
Apr. 28	35.6	May 22	23.0	Apr. 23	23.0
May 31	20.6	June 26	23.3	May 21	25.6
June 20	20.0	July 24	22.8	June 26	20.9
Aug. 26	35.5	Sept. 7	28.9	July 24	18.4
Sept. 30	25.3	Sept. 25	22.9	Aug. 28	28.3
Oct. 25	22.2	Oct. 19	20.8	Oct. 23	29.0
Nov. 25	20.5	Nov. 24	19.5	Nov. 27	24.5
Dec. 23	19.7	Dec. 21	18.9	Dec. 26	22.5
Jan. 25, 1950	19.1	Jan. 23, 1951	18.6	Jan. 30, 1952	20.4
Feb. 24	20.1	Feb. 23	18.2	Feb. 25	22.0

B-33. Lat. $34^{\circ}17'$, long. $102^{\circ}20'$. Depth 213 feet.

Nov. 10, 1942	90.94	Mar. 13, 1947	98.80	Jan. 12, 1951	100.50
Feb. 23, 1943	90.10	Feb. 19, 1948	93.59	Jan. 25, 1952	103.10
Feb. 7, 1944	90.40	Mar. 11, 1949	95.35	Jan. 14, 1953	105.38
Feb. 22, 1945	91.40	Feb. 16, 1950	96.48		

B-138. Lat. $34^{\circ}12'$, long. $102^{\circ}22'$. Depth 186 feet.

Feb. 23, 1943	43.36	Oct. 11, 1950	47.48	Jan. 29, 1952	48.85
Mar. 11, 1949	48.75	Jan. 12, 1951	57.36	Jan. 14, 1953	52.15

B-166. Lat. $34^{\circ}10'$, long. $102^{\circ}24'$. Depth 202 feet.

Jan. 11, 1951	28.15	Sept. 1, 1951	27.63	May 8, 1952	28.20
Feb. 5	28.13	Oct. 1	27.77	June 1	28.31
Mar. 27	28.00	Nov. 1	27.91	July 1	28.69
Apr. 29	27.90	Dec. 4	27.94	Aug. 1	29.04
May 31	27.85	Jan. 1, 1952	28.02	Sept. 1	29.22
June 27	27.67	Feb. 2	28.05	Oct. 1	29.39
July 21	27.60	Mar. 1	28.09	Nov. 1	29.54
Aug. 4	27.59	Apr. 1	28.17	Dec. 8	29.80

C-32. Lat. $34^{\circ}18'$, long. $102^{\circ}14'$. Depth 204 feet.

Mar. 11, 1949	86.67	Jan. 12, 1951	88.94	Jan. 14, 1953	92.52
Feb. 16, 1950	87.28	Jan. 31, 1952	91.50		

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C-51. Lat. $34^{\circ}15'$, long. $102^{\circ}11'$. Depth 198 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 11, 1949	96.27	Jan. 12, 1951	98.55	Jan. 14, 1953	108.86
Feb. 16, 1950	98.35	Jan. 31, 1952	104.78		

D-10. Lat. $34^{\circ}17'$, long. $102^{\circ}06'$. Depth 185 feet.

May 27, 1937	66.05	Feb. 16, 1950	73.25	Jan. 25, 1952	74.85
Mar. 22, 1949	70.43	Oct. 30	74.46	Jan. 13, 1953	78.85

D-14. Lat. $34^{\circ}17'$, long. $102^{\circ}07'$. Depth 180 feet.

May 27, 1937	77.43	Feb. 16, 1950	80.12	Jan. 25, 1952	85.27
Mar. 22, 1949	79.18	Jan. 12, 1951	86.27	Jan. 13, 1953	90.55

D-60. Lat. $34^{\circ}14'$, long. $102^{\circ}07'$. Depth 233 feet.

Feb. 16, 1950	89.87	Jan. 25, 1952	89.20	Jan. 13, 1953	93.14
Oct. 30	87.73				

D-88. Lat. $34^{\circ}12'$, long. $102^{\circ}07'$. Depth 230 feet.

Mar. 24, 1949	88.4	Mar. 24, 1950	89.0	May 21, 1951	100.3
Apr. 25	88.3	June 26	95.8	June 26	92.8
May 31	88.0	July 24	94.2	July 24	92.2
June 20	87.9	Aug. 25	92.3	Aug. 28	96.8
July 25	88.3	Sept. 25	91.9	Sept. 24	93.7
Sept. 30	90.4	Oct. 19	91.6	Oct. 24	92.3
Oct. 25	89.5	Nov. 24	91.4	Nov. 27	92.0
Nov. 25	89.2	Dec. 21	91.4	Dec. 26	92.0
Dec. 23	89.1	Jan. 23, 1951	91.4	Jan. 30, 1952	91.7
Jan. 25, 1950	89.1	Feb. 23	91.2	Feb. 25	91.8
Feb. 27	89.0	Mar. 22	91.2		

D-93. Lat. $34^{\circ}12'$, long. $102^{\circ}05'$.

Aug. 14, 1942	83.00	Mar. 2, 1946	84.15	Jan. 12, 1951	97.15
Nov. 9	82.90	Mar. 18, 1947	85.81	Jan. 25, 1952	100.70
Feb. 23, 1943	82.80	Feb. 19, 1948	89.23	Jan. 13, 1953	106.84
Feb. 23, 1945	83.00	Oct. 30, 1950	98.10		

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F-10. Lat. 34°06', long. 102°26'. Depth 200 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 24, 1949	36.5	Apr. 24, 1950	43.4	Apr. 23, 1951	43.8
Apr. 25	38.1	May 22	46.4	May 21	41.9
May 31	37.3	June 26	40.4	June 26	39.4
June 20	36.6	July 24	40.0	Aug. 28	39.4
July 25	35.7	Aug. 25	38.9	Sept. 25	37.7
Sept. 30	37.6	Sept. 25	37.6	Oct. 23	37.2
Oct. 25	36.9	Oct. 19	36.9	Nov. 27	36.7
Nov. 25	37.0	Nov. 24	35.2	Dec. 26	36.8
Dec. 23	36.5	Dec. 21	34.7	Jan. 30, 1952	36.4
Jan. 25, 1950	36.5	Jan. 23, 1951	34.7	Feb. 25	36.0
Feb. 24	36.3	Feb. 23	34.4		
Mar. 24	36.7	Mar. 22	36.6		

F-41. Lat. 34°05', long. 102°28'. Depth 210 feet.

Sept. 3, 1942	40.06	Feb. 20, 1948	33.72	Jan. 29, 1952	35.35
Feb. 2, 1944	36.75	Feb. 17, 1950	39.90	Jan. 15, 1953	37.62
Feb. 19, 1945	36.25	Aug. 1	38.60		
Mar. 18, 1947	34.94	Jan. 17, 1951	41.54		

G-163. Lat. 34°00', long. 102°13'. Depth 170 feet.

Apr. 1, 1937	84.89	Feb. 17, 1950	89.71	Jan. 29, 1952	93.55
May 7	87.80	Sept. 1	97.90	Jan. 15, 1953	96.50
Mar. 22, 1949	88.56	Jan. 17, 1951	95.60		

L-119. Lat. 33°57', long. 102°19'. Depth 184 feet.

Mar. 24, 1949	56.7	Feb. 24, 1950	59.2	Apr. 23, 1951	68.9
Apr. 25	59.2	Mar. 24	59.5	May 21	64.7
May 31	58.1	June 26	63.8	June 26	62.9
June 20	57.7	July 24	63.8	July 24	62.3
July 25	57.4	Aug. 25	61.7	Aug. 28	64.6
Aug. 26	63.7	Sept. 25	61.2	Sept. 25	63.4
Sept. 30	60.4	Oct. 19	60.7	Oct. 23	63.0
Oct. 25	60.0	Nov. 24	60.2	Nov. 26	62.5
Nov. 25	59.7	Dec. 21	60.0	Dec. 26	62.5
Dec. 23	59.4	Jan. 23, 1951	59.8	Jan. 30, 1952	62.0
Jan. 25, 1950	59.3	Feb. 23	59.6	Feb. 25	61.9

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L-230. Lat. $33^{\circ}49'$, long. $102^{\circ}12'$. Depth 100 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1947	36.54	Jan. 17, 1951	44.73	Jan. 15, 1953	50.34
Feb. 17, 1950	40.85	Jan. 29, 1952	44.65		

L-333. Lat. $33^{\circ}58'$, long. $102^{\circ}11'$. Depth 126 feet.

Apr. 9, 1937	99.14	Feb. 17, 1950	105.73	Jan. 29, 1952	104.65
Mar. 22, 1949	101.57	Jan. 17, 1951	103.75	Jan. 15, 1953	108.22

M-34. Lat. $33^{\circ}59'$, long. $102^{\circ}07'$. Depth 151 feet.

Apr. 14, 1937	74.95	Feb. 17, 1950	85.46	Jan. 29, 1952	87.10
Mar. 22, 1949	80.65	Jan. 17, 1951	86.08	Jan. 15, 1953	92.10

M-82. Lat. $33^{\circ}55'$, long. $102^{\circ}09'$. Depth 195 feet.

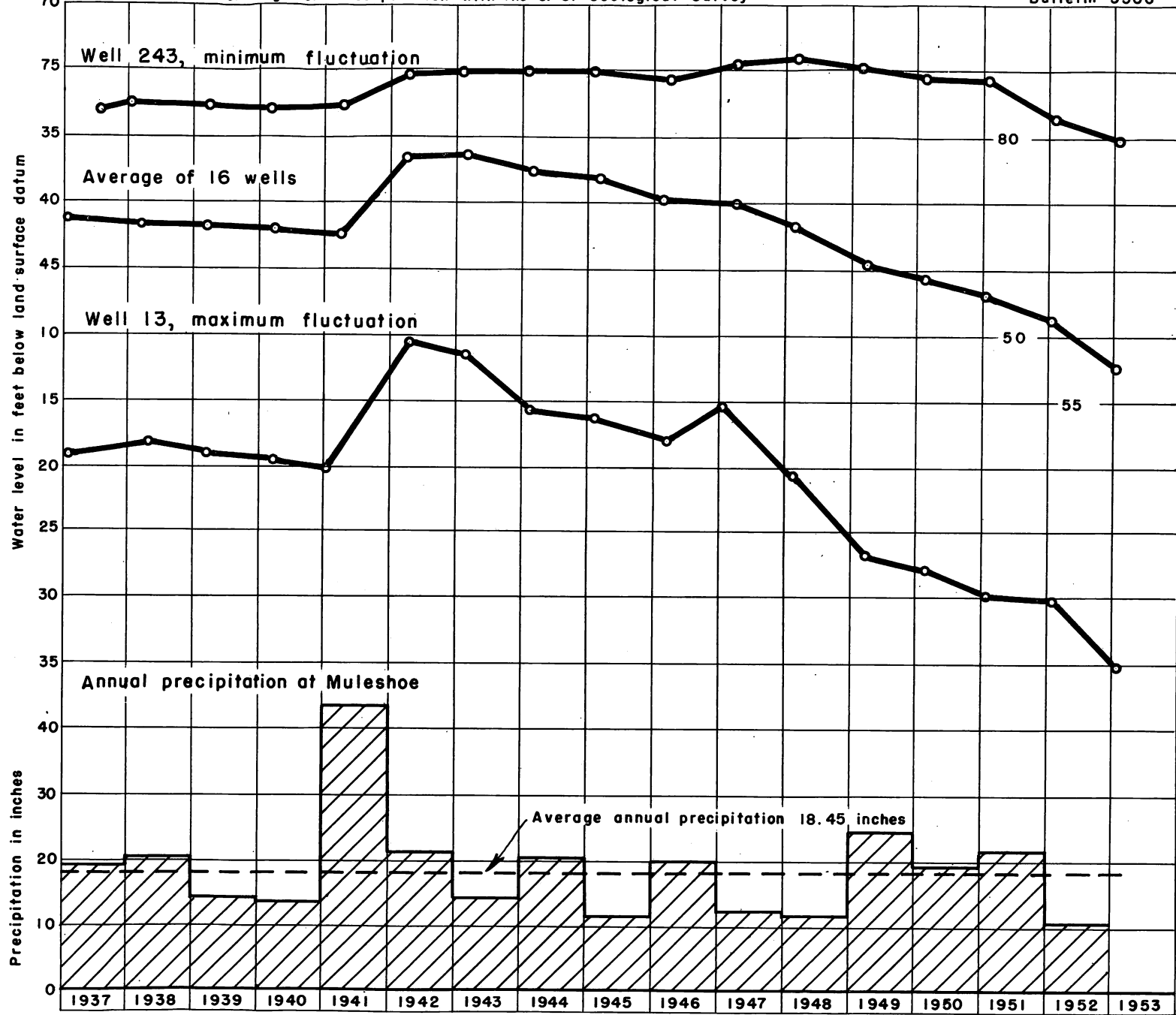
Apr. 9, 1937	104.95	Jan. 17, 1951	109.00	Jan. 15, 1953	113.85
Mar. 22, 1949	106.71	Jan. 29, 1952	111.50		

M-177. Lat. $33^{\circ}49'$, long. $102^{\circ}09'$. Depth 160 feet.

Jan. 17, 1951	97.16	Jan. 29, 1952	98.95	Jan. 16, 1953	99.60
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M-180. Lat. $35^{\circ}49'$, long. $102^{\circ}09'$. Depth 150 feet.

Mar. 17, 1947	71.38	Mar. 8, 1949	85.20	Jan. 15, 1953	91.35
Feb. 20, 1948	77.64	Jan. 29, 1952	86.48		



Hydrographs of Lamb County wells showing minimum, average, and maximum fluctuations and annual precipitation at Muleshoe, Tex.