

TEXAS BOARD OF WATER ENGINEERS

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BULLETIN 5304

RECORDS OF WATER-LEVEL MEASUREMENTS IN FLOYD COUNTY, TEXAS

1913 - 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

November 1953

TEXAS BOARD OF WATER ENGINEERS

1913 - 1923

BULLETIN 304

REPORT OF WATER-LEVEL MEASUREMENTS IN FLOYD COUNTY TEXAS

1913 - 1923

Compiled by

John W. ...
Texas Board of Water Engineers

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at Austin, Texas

RECORDS OF WATER-LEVEL MEASUREMENTS IN FLOYD COUNTY, TEXAS

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This bulletin contains measurements of the depths to water below land-surface datum in 98 wells in Floyd County, Texas, to February 1953. A few early measurements made in 1914 by C. L. Baker, and some measurements made in 1913 and 1915-16 by the Texas Land and Development Company, are included. No water-level measurements are available for the years between 1916 and 1934. In 1936 engineers of the Resettlement Administration obtained water-level measurements that are also included in this bulletin.

In 1937-38 an inventory of water wells in Floyd 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 were selected and water-level measurements have been made cooperatively by the Texas Board of Water Engineers and the Geological Survey since 1937. In 1945 a new inventory of wells was made to bring the old records up-to-date and obtain records of new wells.

If more than one water-level measurement was made during a month, only the highest water level for the 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 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. *
- ALEXANDER, W. H. Jr., and LANG, J. W., Ground water in the High Plains of Texas, Progress report no. 5, 1945.
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- BURLEIGH, H. P., and WELLS, H. M., Preliminary report on the underground water supply of Plainview and vicinity, Texas, 1936. *
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- HUGHES, WILLIAM F., Cost of pumping water for irrigation Texas High Plains, 1951.
- JOHNSON, W. D., The High Plains and their utilization, U. S. Geol. Survey 21st Ann. Rept., pt. 4, Hydrology, pp. 609-741, 1901; 22d Ann. Rept., pt. 4, Hydrography, pp. 637-669, 1902. *
- 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.
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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. W., 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.

_____, Water levels and artesian pressure in observation wells in the United States in 1948, Part 4, U. S. Geol. Survey Water-Supply Paper 1129, 1951.

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WHITE, W. N., and OTHERS, Ground water in the High Plains in Texas, Texas State Bd. of Water Engr., 1938. *

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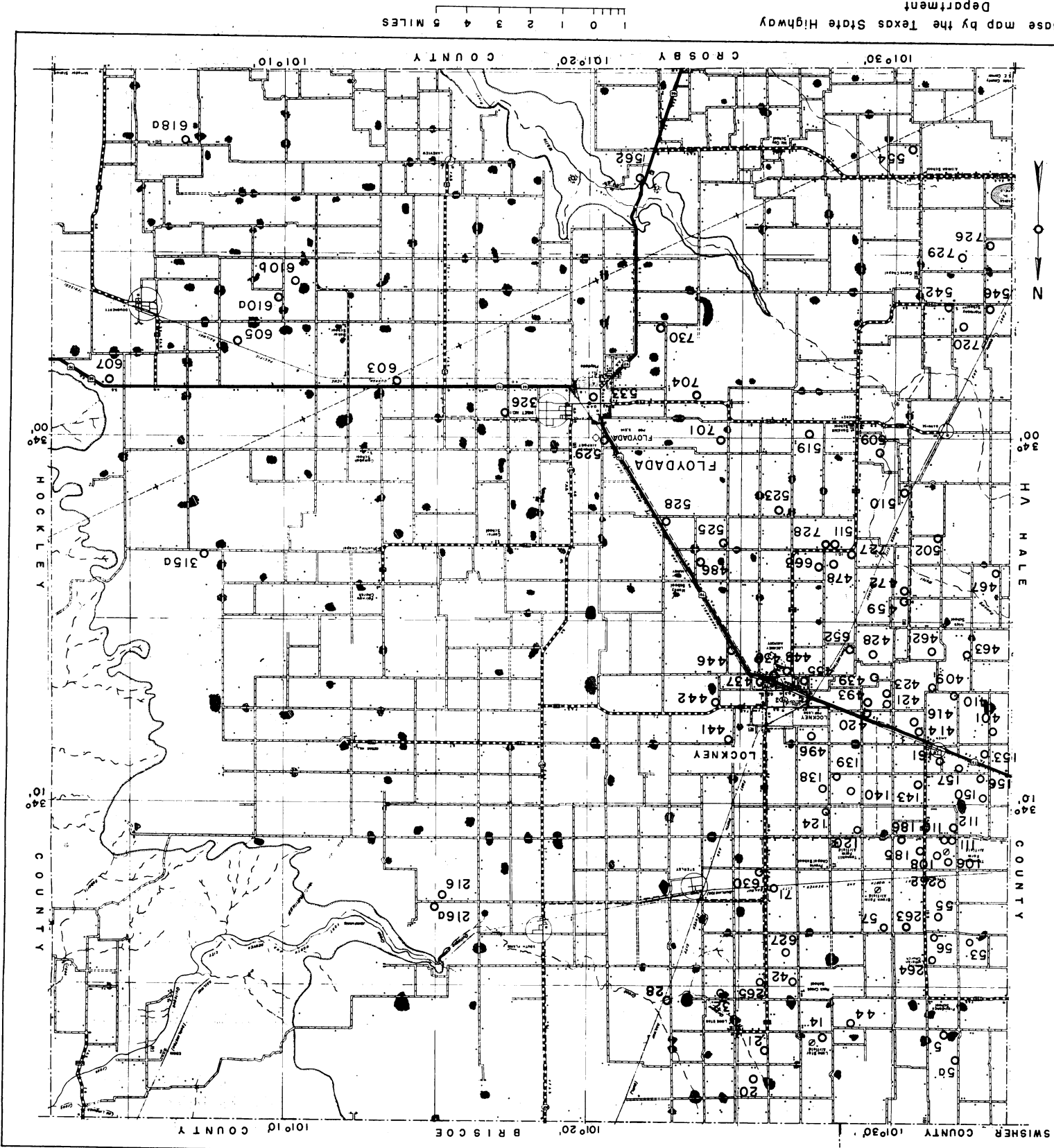
_____, Ground water in the High Plains of Texas, Texas State Bd. of Water Engr., 1940. *

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

FLOYD COUNTY, TEXAS OBSERVATION WELLS

February 1953

Bulletin 5304
Texas Board of Water Engineers
in cooperation with
U. S. Geological Survey



Base map by the Texas State Highway Department

FLOYD COUNTY

5. Lat. 34°16', long. 101°31'. Depth 200 feet.

Date	Water level	Date	Water level	Date	Water level
Apr. 28, 1936	48.00	Jan. 3, 1939	51.65	Feb. 11, 1944	53.78
May 5	49.35	Feb. 27	50.93	Feb. 12, 1945	54.53
June 1, 1937	50.79	June 21	51.49	Feb. 26, 1946	55.65
Aug. 10	52.28	Aug. 14	53.08	Jan. 17, 1947	57.07
Sept. 15	50.93	Dec. 8	52.34	Mar. 19	56.83
Oct. 1	50.73	Mar. 6, 1940	52.14	Jan. 16, 1948	58.10
Nov. 1	50.61	Oct. 27	53.68	Mar. 1	57.85
Jan. 4, 1938	50.61	Nov. 15	53.48	Mar. 4, 1949	59.39
Mar. 11	50.83	Jan. 18, 1941	53.38	Feb. 18, 1950	59.84
Apr. 13	50.73	Mar. 11	53.28	Jan. 16, 1951	60.91
May 26	51.23	Oct. 16	52.65	Jan. 15, 1952	63.20
Sept. 15	51.45	Mar. 8, 1942	52.05	Jan. 7, 1953	66.09
Oct. 18	51.26	Oct. 20	52.91		
Dec. 5	51.13	Feb. 2, 1943	52.60		

5a. Lat. 34°17', long. 101°32'.

Mar. 4, 1949	57.00	Jan. 16, 1951	58.12	Jan. 7, 1953	63.72
Feb. 17, 1950	57.91	Jan. 15, 1952	59.99		

14. Lat. 34°16', long. 101°27'. Depth 77 feet.

May 5, 1936	53.44	May 26, 1938	55.20	Feb. 15, 1944	58.30
May 13	54.16	June 27	55.35	Feb. 12, 1945	58.77
July 24, 1937	54.33	Aug. 12	55.52	Feb. 26, 1946	61.10
Aug. 26	54.36	Apr. 6, 1940	57.29	Jan. 17, 1947	62.07
Sept. 14	53.78	July 9	57.59	Mar. 19	62.33
Oct. 1	53.93	Nov. 15	58.30	Mar. 1, 1948	63.59
Nov. 1	54.22	Jan. 18, 1941	58.50	Mar. 5, 1949	65.86
Dec. 3	54.36	Apr. 11	58.62	Feb. 16, 1950	66.85
Jan. 4, 1938	54.61	Mar. 9, 1942	54.72	Jan. 17, 1951	66.57
Mar. 11	54.82	Oct. 20	55.46		
Apr. 13	55.08	Feb. 2, 1943	55.61		

20. Lat. 34°17', long. 101°25'. Depth 215 feet.

Mar. 7, 1947	87.28	Feb. 20, 1950	91.17	Jan. 7, 1953	105.21
Mar. 1, 1948	88.43	Jan. 17, 1951	92.48		
Mar. 5, 1949	91.24	Jan. 15, 1952	96.40		

FLOYD COUNTY

21. Lat. $34^{\circ}16'$, long. $101^{\circ}25'$. Depth 185 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1947	87.20	Feb. 20, 1950	91.68	Jan. 7, 1953	102.21
Mar. 1, 1948	88.49	Jan. 17, 1951	93.20		
Mar. 5, 1949	90.23	Jan. 15, 1952	97.36		

28. Lat. $34^{\circ}15'$, long. $101^{\circ}22'$. Depth 105 feet.

May 13, 1937	97.67	Apr. 13, 1938	97.91	Feb. 27, 1939	98.31
June 11	97.68	May 26	98.05	July 24	98.47
Nov. 1	97.95	June 27	98.19	Aug. 14	98.51
Dec. 3	97.87	Aug. 12	98.26	Oct. 4	98.57
Jan. 4, 1938	98.05	Dec. 5	98.44	Dec. 8	98.64
Mar. 11	97.93	Jan. 3, 1939	98.28		

32. Lat. $34^{\circ}15'$, long. $101^{\circ}24'$. Depth 215 feet.

May 13, 1937	91.01	Oct. 4, 1939	92.36	Feb. 26, 1946	92.50
June 11	89.37	Mar. 6, 1940	90.00	Jan. 17, 1947	94.35
July 20	91.12	Nov. 14	91.31	Mar. 1, 1948	96.00
Aug. 26	90.83	Jan. 18, 1941	91.12	Mar. 5, 1949	98.22
Sept. 14	89.92	Mar. 11	90.82	Feb. 17, 1950	99.43
Oct. 1	89.53	Dec. 22	91.60	Jan. 17, 1951	106.78
Jan. 4, 1938	89.20	Mar. 9, 1942	90.23	Jan. 15, 1952	110.60
June 27	90.10	Oct. 20	90.74	Jan. 7, 1953	111.02
Sept. 15	90.03	Feb. 2, 1943	89.95		
Jan. 3, 1939	89.22	Feb. 12, 1945	91.80		

42. Lat. $34^{\circ}14'$, long. $101^{\circ}26'$. Depth 196 feet.

Mar. 7, 1947	77.95	Feb. 16, 1950	81.90	Jan. 7, 1953	90.44
Mar. 1, 1948	79.31	Jan. 17, 1951	86.93		
Mar. 10, 1949	82.77	Jan. 15, 1952	86.40		

44. Lat. $34^{\circ}16'$, long. $101^{\circ}28'$.

May 5, 1936	62.72	Dec. 5, 1938	64.39	Mar. 6, 1940	66.38
June 13	57.49	Jan. 3, 1939	64.42	Nov. 15	68.85
May 12, 1937	62.54	Feb. 27	64.31	Jan. 18, 1941	67.90
Dec. 3	63.01	June 21	65.52	Mar. 11	67.66
Apr. 13, 1938	63.46	Aug. 14	66.16		
Oct. 18	64.26	Dec. 8	66.44		

FLOYD COUNTY

53. Lat. $34^{\circ}13'$, long. $101^{\circ}32'$. Depth 205 feet.

Date	Water level	Date	Water level	Date	Water level
June 3, 1937	49.88	Mar. 1, 1948	59.35	Jan. 16, 1952	67.97
Mar. 25, 1940	51.20	Mar. 4, 1949	62.00	Jan. 7, 1953	72.85
Mar. 7, 1947	57.63	Feb. 17, 1950	62.51		

55. Lat. $34^{\circ}13'$, long. $101^{\circ}31'$. Depth 200 feet.

June 3, 1937	59.14	Mar. 1, 1948	67.49	Jan. 16, 1952	77.50
Mar. 21, 1940	59.20	Mar. 4, 1949	70.88	Jan. 6, 1953	83.80
Mar. 7, 1947	65.63	Feb. 18, 1950	70.74		

56. Lat. $34^{\circ}13'$, long. $101^{\circ}31'$. Depth 212 feet.

Mar. 23, 1940	59.00	Mar. 4, 1949	67.69	Jan. 6, 1953	79.54
Mar. 7, 1947	62.72	Feb. 17, 1950	67.38		
Mar. 1, 1948	64.16	Jan. 16, 1952	76.53		

57. Lat. $34^{\circ}13'$, long. $101^{\circ}29'$.

May 1, 1936	60.30	Nov. 15, 1940	63.07	Jan. 17, 1947	69.80
May 3, 1937	60.10	Oct. 16, 1941	62.70	Mar. 7	69.70
Aug. 26	60.48	July 24, 1942	61.63	Mar. 1, 1948	72.70
Dec. 2	60.73	Oct. 20	61.98	Mar. 10, 1949	71.20±
June 28, 1938	61.01	Feb. 2, 1943	62.20	Feb. 15, 1950	77.18
Aug. 12	61.40	Feb. 11, 1944	63.07	Jan. 16, 1951	80.51
Dec. 8, 1939	61.83	Feb. 12, 1945	64.20	Jan. 16, 1952	83.36
Mar. 6, 1940	61.97	Feb. 26, 1946	66.69	Jan. 6, 1953	86.82

71. Lat. $34^{\circ}12'$, long. $101^{\circ}26'$. Depth 103 feet.

May 3, 1937	82.50	Sept. 14, 1937	82.44	Jan. 4, 1938	80.76
June 11	81.77	Oct. 1	81.73	Jan. 3, 1939	83.04
July 20	86.46	Nov. 1	81.21	Feb. 27	82.08
Aug. 26	83.46	Dec. 2	80.94		

FLOYD COUNTY

106. Lat. $34^{\circ}11'$, long. $101^{\circ}31'$. Depth 286 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1916	53.00	Feb. 27, 1939	57.12	Feb. 1, 1944	60.90
Apr. 17, 1934	54.45	Oct. 4	60.97	Feb. 12, 1945	62.65
Nov. 23, 1937	56.84	Dec. 8	63.22	Feb. 26, 1946	63.32
Dec. 2	56.74	Mar. 6, 1940	59.17	Mar. 1, 1948	70.16
Jan. 4, 1938	56.58	Nov. 16	62.18	Mar. 4, 1949	74.62
Mar. 10	59.15	Jan. 18, 1941	62.70	Feb. 17, 1950	77.52
May 26	58.24	Mar. 11	61.42	Jan. 16, 1951	80.65
June 23	58.10	Mar. 9, 1942	59.10	Jan. 15, 1952	83.10
Oct. 18	58.05	July 4	61.93	Jan. 6, 1953	90.41
Dec. 7	57.20	Oct. 23	60.48		
Jan. 5, 1939	57.48	Feb. 2, 1943	59.43		

108. Lat. $34^{\circ}11'$, long. $101^{\circ}31'$. Depth 278 feet.

Jan. 3, 1914	49.50	Mar. 6, 1940	58.37	Feb. 26, 1946	63.46
Mar. 29, 1938	57.84	Jan. 18, 1941	62.50	Mar. 17, 1947	67.30
Apr. 25	67.41	Mar. 11	60.40	Mar. 1, 1948	70.59
Apr. 26	67.33	Mar. 9, 1942	58.26	Mar. 4, 1949	74.53
May 26	57.67	Oct. 26	59.68	Mar. 18, 1950	78.65
June 23	57.53	Feb. 2, 1943	58.64	Jan. 16, 1951	82.79
Jan. 5, 1939	56.80	Feb. 11, 1944	60.12	Jan. 15, 1952	83.27
Oct. 4	61.40	Feb. 12, 1945	61.60	Jan. 6, 1953	90.70

110. Lat. $34^{\circ}10'$, long. $101^{\circ}31'$. Depth 281 feet.

Oct. 28, 1937	55.32	Mar. 4, 1949	73.56	Jan. 15, 1952	80.20
Mar. 17, 1947	66.05	Feb. 18, 1950	75.31	Jan. 6, 1953	85.88
Mar. 1, 1948	69.60	Jan. 16, 1951	77.55		

111. Lat. $34^{\circ}11'$, long. $101^{\circ}32'$.

1914	46.00	May 26, 1938	53.02	Oct. 21, 1942	55.44
1936	56.80	June 23	53.08	Feb. 2, 1943	54.39
Apr. 30, 1937	63.70	Oct. 18	52.83	Feb. 1, 1944	55.59
May 26	53.81	Jan. 5, 1939	52.29	Feb. 12, 1945	57.10
July 13	70.72	June 21	62.84	Feb. 26, 1946	59.28
July 20	67.06	Oct. 4	56.67	Jan. 17, 1947	62.60
Aug. 25	55.54	Mar. 6, 1940	53.88	Mar. 19	63.30
Sept. 14	52.81	Oct. 4	60.63	Feb. 26, 1948	65.37
Oct. 1	53.40	Oct. 8	60.01	Mar. 4, 1949	69.89
Nov. 1	52.01	Nov. 16	56.88	Feb. 18, 1950	74.20
Dec. 1	51.66	Jan. 18, 1941	58.03	Jan. 18, 1951	77.24
Jan. 4, 1938	51.46	Mar. 11	55.98	Jan. 15, 1952	79.05
Mar. 10	55.65	July 23	63.80	Jan. 6, 1953	86.35
Mar. 29	52.92	Dec. 20	54.70		
Apr. 14	63.61	Mar. 9, 1942	54.16		

FLOYD COUNTY

112. Lat. 34°10', long. 101°32'.

Date	Water level	Date	Water level	Date	Water level
Feb. 2, 1914	48.50	Feb. 27, 1939	51.08	Feb. 2, 1943	53.24
Apr. 28, 1936	54.14	June 21	62.06	Feb. 1, 1944	54.67
Apr. 30, 1937	63.36	Oct. 4	56.21	Feb. 12, 1945	56.30
May 26	53.87	Dec. 8	59.57	Feb. 26, 1946	58.89
June 11	50.96	Mar. 6, 1940	53.01	Mar. 19, 1947	61.42
Sept. 14	52.68	Oct. 8	57.04	Feb. 26, 1948	64.82
Mar. 29, 1938	51.91	Nov. 16	53.24	Mar. 4, 1949	69.64
Apr. 14	62.09	Jan. 18, 1941	57.49	Feb. 18, 1950	74.17
May 26	52.09	Mar. 11	55.22	Jan. 16, 1951	76.90
June 23	52.25	Dec. 20	53.56	Jan. 15, 1952	78.75
Oct. 18	51.87	Mar. 9, 1942	53.03	Jan. 6, 1953	86.68
Dec. 7	51.41	Oct. 26	53.35		

120. Lat. 34°10', long. 101°28'. Depth 210 feet.

Aug. 10, 1937	65.08	Jan. 18, 1941	62.49	Mar. 17, 1947	71.60
Dec. 16, 1938	58.93	Oct. 16	60.59	Jan. 16, 1948	78.75
Jan. 5, 1939	58.21	Mar. 9, 1942	59.64	Mar. 1	77.75
Feb. 27	57.84	Oct. 20	60.90	Mar. 7, 1949	84.32
June 21	63.07	Feb. 2, 1943	60.02	Feb. 17, 1950	92.85
Oct. 4	63.02	Feb. 15	61.54	Jan. 16, 1951	88.59
Dec. 8	61.59	Feb. 15, 1945	63.43	Jan. 15, 1952	94.70
Mar. 6, 1940	59.73	Feb. 26, 1946	67.17	Jan. 7, 1953	102.71
Nov. 16	62.55	Jan. 17, 1947	72.65		

124. Lat. 34°10', long. 101°27'. Depth 50 feet.

1936	37.50	Mar. 10, 1938	40.64	Jan. 18, 1941	45.12
Apr. 30, 1937	39.62	July 14	40.92	Mar. 11	45.27
June 11	39.64	May 26	41.14	Dec. 22	36.63
July 20	39.83	June 23	43.49	Mar. 9, 1942	38.50
Aug. 10	40.03	Sept. 15	41.43	July 23	41.40
Aug. 25	40.14	Mar. 1, 1939	41.80	Feb. 15, 1944	44.07
Sept. 14	40.24	June 21	43.34	Mar. 18, 1949	71.00
Oct. 1	40.23	Oct. 4	42.82	Feb. 15, 1950	74.04
Nov. 1	40.34	Mar. 6, 1940	44.83	Jan. 16, 1951	74.55
Dec. 2	40.42	Oct. 27	44.83	Jan. 15, 1952	77.05
Jan. 4, 1938	40.48	Nov. 16	44.94	Jan. 7, 1953	82.06

138. Lat. 34°09', long. 101°27'. Depth 201 feet.

Mar. 17, 1947	85.67	Mar. 18, 1949	105.98	Jan. 15, 1952	114.35
Mar. 9, 1948	96.05	Jan. 16, 1951	111.05	Jan. 7, 1953	119.41

FLOYD COUNTY

139. Lat. 34°09', long. 101°28'.

Date	Water level	Date	Water level	Date	Water level
1914	53.00	July 23, 1941	62.87	Mar. 19, 1947	81.66
Apr. 17, 1934	52.74	Dec. 22	63.05	Mar. 1, 1948	94.14
June 11, 1937	57.55	Mar. 9, 1942	62.53	Mar. 7, 1949	102.96
Nov. 23	58.19	Oct. 20	65.26	Feb. 18, 1950	105.36
Dec. 2	58.39	Feb. 2, 1943	63.76	Jan. 16, 1951	107.56
Jan. 4, 1938	57.90	Feb. 15, 1944	65.51	Jan. 11, 1952	110.82
Mar. 10	58.58	Feb. 11, 1945	68.22	Jan. 7, 1953	114.99
Mar. 29	58.71	Feb. 26, 1946	74.16		

140. Lat. 34°09', long. 101°28'.

1914	46.50	Oct. 4, 1939	54.88	Feb. 15, 1944	57.90
Mar. 29, 1938	52.54	Dec. 8	54.81	Feb. 15, 1945	60.54
Apr. 14	52.68	Mar. 6, 1940	54.84	Mar. 19, 1947	72.49
May 26	52.74	Nov. 16	55.95	Mar. 1, 1948	79.87
June 23	52.83	Jan. 18, 1941	57.37	Mar. 7, 1949	89.97
Aug. 12	53.87	Mar. 11	55.82	Feb. 15, 1950	96.27
Oct. 18	53.35	July 23	54.98	Jan. 16, 1951	95.18
Dec. 7	53.35	Dec. 22	55.04	Jan. 15, 1952	99.27
Jan. 5, 1939	53.30	Mar. 9, 1942	54.92	Jan. 7, 1953	104.27
Mar. 1	53.28	Oct. 20	56.95		
June 21	54.33	Feb. 2, 1943	55.64		

143. Lat. 34°09', long. 101°28'.

1914	51.20	Oct. 18, 1938	62.14	July 4, 1942	65.77
Nov. 3, 1915	57.00	Dec. 7	61.46	Oct. 27	64.42
Apr. 27, 1936	57.50	Jan. 5, 1939	61.26	Feb. 2, 1943	62.86
May 16	58.03	Mar. 1	60.80	Feb. 15, 1944	64.74
June 11, 1937	61.03	June 26	64.80	Feb. 12, 1945	67.00
Sept. 14	62.93	Oct. 4	66.20	Feb. 26, 1946	70.33
Nov. 1	61.41	Dec. 8	63.68	Jan. 20, 1947	77.72
Dec. 2	60.85	Mar. 6, 1940	62.80	Mar. 17	77.09
Jan. 4, 1938	60.38	Oct. 27	67.29	Mar. 4, 1949	91.00
Mar. 10	60.35	Nov. 16	66.87	Feb. 15, 1950	95.00
Apr. 14	62.14	Jan. 18, 1941	66.13	Jan. 11, 1952	102.33
May 26	62.36	July 23	62.49	Jan. 6, 1953	107.56
June 23	61.56	Dec. 11	64.04		
Sept. 15	63.04	Mar. 9, 1942	62.96		

FLOYD COUNTY

150. Lat. 34°09', long. 101°33'.

Date	Water level	Date	Water level	Date	Water level
May 4, 1936	44.55	Dec. 5, 1938	45.40	Dec. 20, 1941	46.69
May 3, 1937	46.30	Jan. 5, 1939	45.28	Mar. 9, 1942	45.89
June 7	45.98	Mar. 1	44.90	Oct. 23	46.57
July 20	46.69	June 26	46.90	Jan. 18, 1943	45.70
Aug. 25	46.93	July 25	47.94	July 20	45.94
Sept. 14	46.34	Oct. 5	47.85	Feb. 14, 1944	47.12
Oct. 1	45.85	Dec. 14	47.53	Feb. 12, 1945	49.10
Nov. 1	45.10	Mar. 6, 1940	46.77	Feb. 26, 1946	51.01
Dec. 2	44.56	Nov. 16	49.75	Feb. 19, 1947	54.53
Jan. 4, 1938	44.14	Jan. 20, 1941	49.24	Feb. 26, 1948	58.80
Aug. 12	46.27	Mar. 11	48.86		
Oct. 17	45.70	July 23	49.06		

153. Lat. 34°08', long. 101°33'. Depth 220 feet.

1914	48.00	June 3, 1938	53.78	Mar. 10, 1942	53.08
Apr. 27, 1936	52.76	June 28	52.95	Oct. 27	54.31
Apr. 30, 1937	55.30	Oct. 18	53.36	Feb. 2, 1943	53.42
May 26	53.62	Jan. 5, 1939	53.18	Feb. 15, 1944	52.93
June 4	52.79	Mar. 2	52.73	Feb. 13, 1945	55.41
July 27	56.21	June 26	54.48	Feb. 26, 1946	57.51
Aug. 25	53.77	Dec. 14	55.38	Feb. 26, 1948	68.78
Sept. 6	53.04	Mar. 7, 1940	54.40	Mar. 18, 1949	73.90
Jan. 8, 1938	51.81	Nov. 16	57.60	Jan. 16, 1952	85.60
Mar. 29	54.23	Jan. 20, 1941	57.10	Jan. 7, 1953	93.92
Apr. 14	53.13	Mar. 11	56.63		

156. Lat. 34°09', long. 101°32'.

1914	45.20	Apr. 30, 1937	57.54	June 28, 1938	55.67
May 1, 1936	55.19	June 11	55.20		
June 16	53.63	Apr. 14, 1938	55.14		

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157. Lat. 34°09', long. 101°32'.

Date	Water level	Date	Water level	Date	Water level
Feb. 29, 1916	47.00	Dec. 5, 1938	54.20	Oct. 27, 1942	54.33
Apr. 17, 1934	48.15	Jan. 5, 1939	54.03	Feb. 2, 1943	53.18
Apr. 30, 1937	58.00	Mar. 1	53.70	Feb. 15, 1944	54.86
May 26	57.02	June 26	57.72	Feb. 12, 1945	57.00
Oct. 1	56.15	Oct. 4	55.43	Feb. 26, 1946	59.46
Nov. 1	54.32	Dec. 14	54.18	Mar. 19, 1947	62.58
Dec. 2	53.78	Mar. 6, 1940	53.46	Mar. 1, 1948	71.00
Jan. 4, 1938	53.41	Nov. 16	57.37	Mar. 7, 1949	77.00
Mar. 10	53.10	Jan. 20, 1941	56.50	Feb. 15, 1950	80.81
Apr. 14	53.89	Mar. 11	56.09	Jan. 16, 1951	85.95
June 28	56.13	Dec. 20	53.90	Jan. 11, 1952	91.65
Oct. 17	54.73	Mar. 9, 1942	53.08	Jan. 6, 1953	98.28

161. Lat. 34°08', long. 101°31'. Depth 215 feet.

1914	50.00	Dec. 5, 1938	59.72	Oct. 27, 1942	62.43
Apr. 27, 1936	57.90	Jan. 5, 1939	60.10	Feb. 2, 1943	61.26
May 26, 1937	60.82	Mar. 1	59.43	Feb. 15, 1944	62.98
June 7	60.74	June 26	62.34	Feb. 12, 1945	65.35
July 27	62.05	Oct. 4	63.01	Feb. 26, 1946	70.15
Aug. 25	61.63	Dec. 8	61.73	Mar. 17, 1947	76.53
Sept. 14	60.24	Mar. 6, 1940	61.10	Mar. 1, 1948	79.77
Oct. 1	59.73	Oct. 9	65.97	Mar. 7, 1949	88.37
Nov. 1	59.14	Oct. 31	65.34	Feb. 15, 1950	95.29
Dec. 2	58.81	Nov. 5	65.40	Mar. 2	94.52
Jan. 4, 1938	58.55	Nov. 16	65.15	Jan. 15, 1951	96.88
Mar. 10	58.50	Jan. 20, 1941	64.52	Jan. 11, 1952	101.90
May 26	60.33	Mar. 11	64.09	Jan. 6, 1953	108.23
June 23	59.85	Dec. 22	61.63		
Oct. 17	60.20	Mar. 9, 1942	60.99		

185. Lat. 34°11', long. 101°31'. Depth 303 feet.

Oct. 22, 1945	66.07	Mar. 4, 1949	76.28	Jan. 15, 1952	85.50
Mar. 17, 1947	68.02	Feb. 15, 1950	81.43	Jan. 6, 1953	93.77
Mar. 1, 1948	71.80	Jan. 16, 1951	84.63		

186. Lat. 34°11', long. 101°30'. Depth 194 feet.

Mar. 17, 1947	70.70	Mar. 7, 1949	81.01	Jan. 15, 1952	91.15
Mar. 1, 1948	75.40	Jan. 16, 1951	89.29	Jan. 6, 1953	99.43

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216. Lat. $34^{\circ}12'$, long. $101^{\circ}15'$. Depth 410 feet.

Date	Water level	Date	Water level	Date	Water level
Aug. 14, 1939	192.04	Mar. 10, 1949	193.52	Jan. 15, 1952	195.30
Mar. 7, 1947	192.37	Feb. 15, 1950	193.40	Jan. 9, 1953	196.46
Mar. 12, 1948	192.92	Jan. 17, 1951	193.77		

216a. Lat. $32^{\circ}12'$, long. $101^{\circ}14'$.

Mar. 12, 1948	195.05	Jan. 17, 1951	196.50	Jan. 9, 1953	201.35
Mar. 10, 1949	196.88	Jan. 15, 1952	197.65		

262. Lat. $34^{\circ}12'$, long. $101^{\circ}31'$.

Mar. 7, 1947	63.24	Jan. 16, 1952	78.27	Jan. 6, 1953	84.65
Mar. 1, 1948	65.82				

263. Lat. $34^{\circ}13'$, long. $101^{\circ}30'$. Depth 255 feet.

Mar. 7, 1947	77.92	Mar. 10, 1949	84.47	Jan. 16, 1951	87.74
Mar. 1, 1948	81.18	Feb. 15, 1950	83.78	Jan. 6, 1953	97.40

264. Lat. $34^{\circ}14'$, long. $101^{\circ}31'$. Depth 220 feet.

Mar. 7, 1947	58.82	Feb. 17, 1950	64.31	Jan. 7, 1953	77.68
Mar. 12, 1948	60.30	Jan. 16, 1951	66.24		
Mar. 4, 1949	64.18	Jan. 16, 1952	69.40		

265. Lat. $34^{\circ}14'$, long. $101^{\circ}25'$. Depth 201 feet.

Mar. 7, 1947	81.56	Feb. 17, 1950	86.80	Jan. 7, 1953	95.41
Mar. 1, 1948	83.18	Jan. 17, 1951	88.60		
Mar. 5, 1949	85.86	Jan. 15, 1952	90.64		

315a. Lat. $34^{\circ}03'$, long. $101^{\circ}07'$.

Mar. 28, 1949	235.70	Jan. 17, 1951	235.48	Jan. 9, 1953	236.60
Feb. 17, 1950	235.96	Jan. 15, 1952	235.49		

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326. Lat. 33°59', long. 101°17'. Depth 310 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 9, 1937	149.93	Oct. 22, 1942	147.98	Mar. 9, 1948	147.20
Jan. 26, 1939	148.34	Jan. 29, 1943	148.08	Mar. 9, 1949	150.00
Nov. 27, 1940	148.40	July 20	148.08	Feb. 17, 1950	148.50
Mar. 12, 1941	148.43	Feb. 15, 1945	147.73	Jan. 17, 1951	148.05
Mar. 11, 1942	148.17	Feb. 17, 1946	147.57	Jan. 14, 1952	149.70
July 24	148.21	Mar. 17, 1947	147.49	Jan. 12, 1953	150.13

401. Lat. 34°07', long. 101°33'. Depth 66 feet.

June 16, 1936	54.55	June 3, 1938	56.01	Mar. 7, 1940	57.12
Apr. 30, 1937	55.32	Aug. 12	56.13	Nov. 15	57.80
June 4	55.41	Oct. 18	56.26	Jan. 20, 1941	57.99
June 9	55.42	Dec. 19	56.33	Mar. 11	58.11
Nov. 1	55.74	Jan. 5, 1939	56.35	July 23	58.49
Dec. 2	55.76	Mar. 2	56.44	Dec. 22	58.48
Jan. 8, 1938	55.83	Aug. 14	56.72	Mar. 10, 1942	58.36
Mar. 10	55.96	Oct. 5	56.82	Feb. 2, 1943	58.17
Apr. 14	56.15	Dec. 14	56.95		

409. Lat. 34°06', long. 101°31'.

Apr. 2, 1914	44.50	June 23, 1938	51.99	June 2, 1941	57.05
Apr. 22, 1936	49.90	Aug. 12	53.87	July 23	56.01
Apr. 29, 1937	51.65	Oct. 18	52.01	Dec. 22	53.94
May 25	51.91	Dec. 5	51.78	Mar. 10, 1942	53.28
June 4	51.34	Jan. 5, 1939	51.83	Oct. 28	54.39
Aug. 25	52.23	Mar. 2	51.45	Feb. 2, 1943	53.18
Sept. 14	51.58	June 23	53.74	Feb. 14, 1945	57.29
Oct. 1	51.44	Aug. 14	54.10	Feb. 27, 1946	60.83
Nov. 1	51.07	Oct. 5	54.86	Mar. 19, 1947	67.00
Dec. 2	50.83	Dec. 14	54.22	Mar. 2, 1948	75.18
Jan. 4, 1938	50.62	Mar. 7, 1940	53.34	Mar. 7, 1949	82.60
Mar. 10	50.51	Nov. 15	57.24	Feb. 17, 1950	84.53
Mar. 29	51.86	Jan. 20, 1941	55.56	Jan. 10, 1953	103.82
Apr. 13	52.20	Mar. 11	56.01		

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410. Lat. $34^{\circ}07'$, long. $101^{\circ}32'$. Depth 283 feet.

Date	Water level	Date	Water level	Date	Water level
1914	40.20	Oct. 5, 1939	52.94	Feb. 16, 1944	50.83
Apr. 27, 1936	47.29	Dec. 14	51.96	Feb. 14, 1945	53.40
Apr. 30, 1937	50.29	Mar. 7, 1940	49.99	Feb. 27, 1946	56.21
Mar. 31, 1938	50.93	Nov. 15	53.55	Jan. 20, 1947	61.59
June 3	49.24	Jan. 20, 1941	52.68	Mar. 19	60.87
Oct. 18	48.84	Mar. 11	52.50	Mar. 2, 1948	67.80
Dec. 5	48.59	Dec. 22	49.95	Mar. 7, 1949	74.98
Jan. 5, 1939	48.98	Mar. 10, 1942	49.42	Jan. 16, 1951	83.45
Mar. 2	48.12	Oct. 28	50.50	Jan. 11, 1952	88.86
June 23	50.96	Feb. 2, 1943	49.43	Jan. 8, 1953	96.73

414. Lat. $34^{\circ}08'$, long. $101^{\circ}30'$. Depth 227 feet.

July 1913	49.50	Oct. 4, 1939	65.50	Oct. 28, 1942	62.00
1914	49.50	Dec. 8	63.08	Feb. 2, 1943	62.47
Mar. 29, 1938	60.95	Mar. 6, 1940	63.08	Feb. 15, 1944	65.71
June 23	61.16	Nov. 15	68.99	Feb. 14, 1945	70.20
Oct. 18	61.62	Jan. 20, 1941	67.45	Mar. 7, 1949	98.65
Dec. 5	60.66	Mar. 5	66.37	Feb. 17, 1950	100.48
Jan. 5, 1939	61.12	July 23	67.20	Jan. 11, 1952	111.45
Mar. 2	60.40	Dec. 22	63.48	Jan. 8, 1953	117.37
July 5	63.61	Mar. 10, 1942	62.43		

416. Lat. $34^{\circ}07'$, long. $101^{\circ}30'$. Depth 213 feet.

Aug. 1913	48.20	Mar. 6, 1940	61.88	Feb. 14, 1945	70.75
1914	48.20	Nov. 15	66.23	Feb. 26, 1946	73.80
June 23, 1938	62.60	Jan. 20, 1941	64.72	Jan. 16, 1947	81.10
Oct. 18	61.11	Mar. 5	66.11	Mar. 19	78.92
Dec. 5	60.24	Dec. 22	63.40	Mar. 2, 1948	87.30
Jan. 5, 1939	60.66	Mar. 10, 1942	62.11	Mar. 7, 1949	98.90
Mar. 2	60.02	Oct. 28	64.71	Feb. 18, 1950	103.67
Oct. 4	62.45	Feb. 2, 1943	62.63	Jan. 8, 1953	118.29
Dec. 8	62.30	Feb. 15, 1944	65.08		

420. Lat. $34^{\circ}07'$, long. $101^{\circ}29'$.

Mar. 17, 1947	85.00	Feb. 18, 1950	111.17	Jan. 8, 1953	122.21
Mar. 2, 1948	98.89	Jan. 17, 1951	113.66		
Mar. 8, 1949	107.29	Jan. 11, 1952	117.63		

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421. Lat. $34^{\circ}07'$, long. $101^{\circ}29'$. Depth 260 feet.

Date	Water level	Date	Water level	Date	Water level
Dec. 11, 1913	50.00	Oct. 17, 1938	59.54	July 4, 1942	63.10
1914	50.00	Dec. 5	59.26	Oct. 28	63.88
Apr. 17, 1934	52.45	Jan. 5, 1939	59.22	Feb. 2, 1943	62.33
Apr. 22, 1936	54.96	Mar. 2	59.08	Feb. 15, 1944	64.50
Mar. 17, 1937	56.49	June 26	60.90	Feb. 14, 1945	67.70
June 7	57.85	Oct. 4	62.24	Feb. 26, 1946	73.37
July 27	58.87	Dec. 8	61.25	Jan. 16, 1947	79.72
Aug. 25	59.56	Mar. 6, 1940	60.80	Mar. 17	80.15
Sept. 14	58.90	Oct. 27	65.93	Jan. 16, 1948	94.50
Oct. 1	58.62	Nov. 15	65.40	Mar. 2	91.10
Nov. 1	58.25	Jan. 20, 1941	64.74	Dec. 1	103.00
Dec. 2	58.00	Mar. 11	64.28	Mar. 8, 1949	100.90
Jan. 4, 1938	57.85	June 2	65.27	Feb. 18, 1950	102.56
Mar. 29	57.97	July 23	64.15	Jan. 17, 1951	106.32
Apr. 13	58.17	Dec. 11	62.86	Jan. 11, 1952	110.39
June 3	59.06	Mar. 10, 1942	62.06	Jan. 8, 1953	115.48

423. Lat. $34^{\circ}07'$, long. $101^{\circ}29'$. Depth 270 feet.

Apr. 19, 1915	45.80	Mar. 8, 1949	91.23	Jan. 11, 1952	103.54
Mar. 17, 1947	72.48	Feb. 18, 1950	93.63	Jan. 8, 1953	109.08
Mar. 2, 1948	82.25	Jan. 16, 1951	102.04		

428. Lat. $34^{\circ}06'$, long. $101^{\circ}29'$. Depth 210 feet.

1914	42.70	Dec. 8, 1939	50.29	Dec. 15, 1944	52.33
Mar. 29, 1938	48.95	Mar. 6, 1940	50.04	Feb. 14, 1945	54.54
June 26	49.00	Nov. 15	52.97	Feb. 26, 1946	59.88
Oct. 18	49.14	Jan. 20, 1941	52.48	Mar. 19, 1947	67.50
Dec. 5	48.75	Mar. 11	52.33	Mar. 2, 1948	74.50
Jan. 5, 1939	48.64	Dec. 22	50.91	Mar. 7, 1949	82.45
Mar. 2	48.46	Mar. 10, 1942	50.37	Feb. 17, 1950	84.90
June 26	49.98	Oct. 28	51.53	Jan. 18, 1951	90.90
Oct. 4	52.77	Feb. 2, 1943	50.59	Jan. 11, 1952	96.25

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435. Lat. 34°06', long. 101°27'. Depth 130 feet.

Date	Water level	Date	Water level	Date	Water level
June 7, 1937	57.41	Mar. 2, 1939	57.66	Dec. 22, 1941	61.48
July 27	57.78	June 21	59.01	Mar. 11, 1942	60.82
Nov. 16	57.06	July 25	59.25	Oct. 28	64.84
Apr. 14, 1938	57.56	Oct. 4	60.35	Jan. 29, 1943	62.53
June 24	57.72	Dec. 8	59.70	Feb. 26, 1946	75.74
Aug. 12	58.45	Mar. 6, 1940	59.18	Mar. 19, 1947	82.95
Oct. 17	58.55	Nov. 15	63.21	Mar. 2, 1948	93.10
Dec. 5	58.06	Jan. 20, 1941	62.45	Mar. 8, 1949	98.85
Jan. 5, 1939	57.90	July 22	64.58		

436. Lat. 34°06', long. 101°26'. Depth 62 feet.

July 27, 1937	45.44	Mar. 6, 1940	48.16	Feb. 1, 1944	51.18
Sept. 6	56.88	Mar. 11, 1941	50.61	Feb. 15, 1945	52.95
Jan. 24, 1938	45.28	Mar. 11, 1942	46.10	Feb. 26, 1946	58.53
Apr. 19	46.00	Oct. 28	48.16		
June 26	46.26	Jan. 29, 1943	47.69		

437. Lat. 34°06', long. 101°25'. Depth 55 feet.

June 8, 1937	49.91	Dec. 8, 1939	52.20	Jan. 29, 1943	52.97
July 27	50.05	Mar. 6, 1940	52.39	Feb. 1, 1944	54.22
Sept. 6	50.23	Nov. 15	53.82	Feb. 15, 1945	55.90
Jan. 24, 1938	50.34	Jan. 20, 1941	54.07	Feb. 26, 1946	58.92
Apr. 19	50.39	Mar. 11	54.16	Mar. 19, 1947	62.86
June 26	50.53	Dec. 22	52.93	Mar. 2, 1948	67.15
Oct. 4, 1939	51.98	Mar. 11, 1942	52.58	Mar. 8, 1949	72.20

439. Lat. 34°06', long. 101°29'.

1914	43.20	Mar. 2, 1939	50.95	Dec. 22, 1941	53.65
Mar. 29, 1938	51.33	Oct. 4	55.89	Mar. 10, 1942	53.11
Apr. 25	53.40	Dec. 8	53.48	Oct. 28	54.40
June 26	51.58	Mar. 6, 1940	52.47	Feb. 2, 1943	53.40
Oct. 17	51.48	Nov. 15	54.79	Feb. 15, 1944	55.64
Dec. 5	51.22	Jan. 20, 1941	55.24		
Jan. 5, 1939	51.12	Mar. 11	55.05		

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441. Lat. 34°08', long. 101°24'.

Date	Water level	Date	Water level	Date	Water level
Oct. 1, 1937	61.88	June 26, 1939	62.98	Dec. 20, 1941	63.55
Nov. 1	61.90	July 24	63.01	Mar. 11, 1942	63.20
Dec. 2	61.93	Aug. 14	63.05	July 24	62.79
Jan. 4, 1938	61.97	Oct. 4	63.17	Oct. 20	62.83
Mar. 11	62.06	Dec. 8	63.29	Feb. 2, 1943	62.67
Apr. 13	62.10	Jan. 13, 1940	63.41	Feb. 15, 1944	63.68
May 26	62.19	Mar. 6	63.54	Feb. 14, 1945	65.02
June 24	62.24	Oct. 27	64.18	Feb. 26, 1946	66.38
Aug. 12	62.32	Nov. 15	64.23	Jan. 20, 1947	67.65
Oct. 17	62.46	Dec. 21	64.34	Mar. 19	67.97
Dec. 5	62.53	Jan. 20, 1941	64.43	Mar. 2, 1948	73.30
Jan. 3, 1939	62.59	Mar. 11	64.60	Mar. 7, 1949	79.00
Mar. 2	62.70	June ?	64.91		
May 21	62.96	July 23	64.81		

442. Lat. 34°07', long. 101°24'. Depth 44 feet.

Nov. 1, 1937	36.10	July 4, 1942	27.18	Sept. 3, 1950	38.50
Dec. 2	35.57	Oct. 20	27.69	Oct. 27	37.67
Jan. 4, 1938	35.22	Feb. 2, 1943	26.16	Nov. 24	35.64
Mar. 11	34.62	Feb. 15, 1944	31.72	Dec. 15	34.99
Apr. 13	34.68	Feb. 22, 1945	34.52	Jan. 30, 1951	34.09
May 26	34.42	Feb. 26, 1946	36.05	Mar. 2	34.05
June 24	35.08	Mar. 2, 1948	37.08	Apr. 3	33.92
Aug. 12	35.43	Oct. 13	37.95	May 21	33.00
Oct. 17	35.95	Nov. 29	39.19	June 8	31.49
Dec. 5	36.50	Dec. 31	38.19	July 27	29.38
Jan. 3, 1939	36.77	Jan. 31, 1949	38.24	Aug. 21	29.02
Mar. 2	37.22	Feb. 28	38.24	Sept. 5	28.86
June 21	37.81	Mar. 31	38.34	Oct. 4	28.38
July 24	37.48	Apr. 29	38.40	Nov. 5	28.28
Aug. 14	37.64	May 31	38.56	Dec. 2	28.75
Oct. 4	37.94	June 30	38.50	Jan. 7, 1952	29.44
Dec. 8	38.13	Aug. 1	38.54	Feb. 15	30.00
Jan. 13, 1940	38.23	Sept. 30	38.70	Mar. 1	30.10
Mar. 6	38.53	Oct. 31	38.72	Apr. 8	30.42
July 9	38.58	Nov. 30	38.77	May 1	30.64
Nov. 15	38.81	Dec. 31	38.87	June 1	32.10
Dec. 21	38.86	Feb. 6, 1950	38.92	July 1	33.28
Jan. 20, 1941	38.90	Mar. 2	38.98	Aug. 1	33.93
Mar. 11	40.00	Apr. 7	36.90	Sept. 1	34.29
June 2	38.61	May 1	39.05	Oct. 1	34.86
July 23	30.52	June 1	39.16	Nov. 1	35.41
Dec. 20	23.78	July 18	39.38	Dec. 1	35.82
Mar. 10, 1942	25.13	Aug. 4	39.21		

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446. Lat. 34°05', long. 101°24'. Depth 47 feet.

Date	Water level	Date	Water level	Date	Water level
June 8, 1937	42.83	Oct. 17, 1938	43.18	Nov. 15, 1940	44.65
July 27	42.92	Dec. 5	43.18	Jan. 20, 1941	44.75
Sept. 6	42.07	Jan. 3, 1939	43.21	Mar. 11	44.57
Nov. 1	43.13	Mar. 2	43.20	Dec. 22	43.60
Dec. 2	42.92	June 21	43.42	July 24, 1942	42.13
Jan. 4, 1938	42.93	Aug. 14	43.50	Jan. 29, 1943	41.72
Apr. 13	43.01	Oct. 4	43.62	Feb. 1, 1944	41.85
Apr. 19	43.04	Dec. 8	43.64	Feb. 15, 1945	42.90
May 26	43.13	Jan. 13, 1940	43.67	Feb. 27, 1946	44.66
June 24	43.13	Mar. 6	43.69	Jan. 20, 1947	46.40
Aug. 12	43.00	Oct. 27	45.21	Mar. 19	46.35

448. Lat. 34°06', long. 101°26'. Depth 289 feet.

May 2, 1940	48.57	Mar. 8, 1949	83.24	Jan. 11, 1952	95.63
Mar. 17, 1947	70.65	Feb. 18, 1950	89.49	Jan. 7, 1953	102.61
Mar. 2, 1948	77.06	Jan. 18, 1951	91.17		

459. Lat. 34°04', long. 101°30'.

1917	43.00	Jan. 5, 1939	48.00	July 20, 1943	51.93
Apr. 17, 1934	43.89	Mar. 2	48.85	Feb. 15, 1944	49.90
Aug. 25, 1937	48.22	June 23	49.76	Feb. 14, 1945	51.50
Sept. 14	47.08	Aug. 14	50.14	Feb. 27, 1946	55.29
Oct. 1	46.84	Oct. 4	49.30	Jan. 20, 1947	60.50
Nov. 1	46.63	Dec. 8	50.18	Mar. 19	56.12
Dec. 2	46.54	Mar. 6, 1940	49.17	Mar. 2, 1948	62.55
Jan. 4, 1938	46.48	Nov. 15	51.54	Mar. 7, 1949	73.60±
Mar. 10	47.38	Jan. 20, 1941	51.24	Feb. 17, 1950	81.33
Apr. 13	49.00	Mar. 11	51.22	Jan. 18, 1951	81.14
June 3	48.77	Dec. 20	48.53	Jan. 16, 1952	83.47
June 28	47.85	Mar. 10, 1942	48.13	Jan. 9, 1953	89.28
Oct. 18	48.80	June 28	48.39		
Dec. 5	48.04	Jan. 29, 1943	47.95		

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462. Lat. $34^{\circ}04'$, long. $101^{\circ}31'$. Depth 53 feet.

Date	Water level	Date	Water level	Date	Water level
Apr. 22, 1936	49.84	Nov. 1, 1937	50.94	Aug. 12, 1938	52.03
June 17	50.15	Jan. 4, 1938	50.49	Oct. 18	52.22
May 10, 1937	51.34	Mar. 10	50.18	Dec. 7	51.97
Aug. 25	51.89	Apr. 13	50.72	Jan. 5, 1939	51.83
Sept. 14	51.86	June 3	51.50	Mar. 2	51.50
Oct. 1	51.45	June 26	51.62		

463. Lat. $34^{\circ}05'$, long. $101^{\circ}32'$.

Mar. 22, 1915	45.30	Mar. 2, 1939	48.91	Feb. 16, 1944	50.32
Apr. 16, 1934	44.93	Dec. 14	51.92	Feb. 14, 1945	52.97
June 12, 1937	49.64	Mar. 7, 1940	50.88	Feb. 27, 1946	55.70
Dec. 2	48.15	Nov. 15	54.19	Jan. 20, 1947	61.50
Jan. 8, 1938	47.83	Jan. 20, 1941	53.21	Mar. 19	60.50
Mar. 10	47.94	Mar. 11	53.07	Mar. 2, 1948	67.20
June 26	50.21	Dec. 22	49.92	Mar. 7, 1949	72.83
Oct. 18	50.24	Mar. 10, 1942	49.23	Jan. 18, 1951	83.21
Dec. 7	49.58	Oct. 27	49.99	Jan. 14, 1952	87.00
Jan. 5, 1939	49.41	Feb. 2, 1943	48.84	Jan. 8, 1953	96.68

467. Lat. $34^{\circ}03'$, long. $101^{\circ}33'$. Depth 300 feet.

July 29, 1937	38.38	Jan. 5, 1939	38.08	Feb. 16, 1944	39.45
Aug. 9	38.12	Mar. 2	37.85	Feb. 14, 1945	42.03
Sept. 10	38.15	Mar. 7, 1940	40.69	Feb. 27, 1946	42.92
Oct. 2	37.54	Nov. 15	44.18	Jan. 20, 1947	50.02
Nov. 2	37.03	Jan. 20, 1941	43.08	Mar. 11	49.35
Jan. 8, 1938	36.32	Mar. 11	42.82	Mar. 9, 1948	53.69
May 26	38.91	Dec. 20	39.30	Mar. 7, 1949	60.86
June 28	38.23	Mar. 10, 1942	38.15	Jan. 18, 1951	65.60
Oct. 17	38.36	Oct. 27	37.82	Jan. 14, 1952	68.60
Dec. 7	38.12	Jan. 29, 1943	36.90	Jan. 8, 1953	76.48

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472. Lat. 34°04', long. 101°30'. Depth 293 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 29, 1938	47.59	Mar. 6, 1940	48.47	Feb. 14, 1945	50.80
Apr. 13	47.34	Nov. 15	50.82	Oct. 13	53.98
June 28	47.06	Jan. 20, 1941	50.53	Feb. 27, 1946	54.49
Dec. 5	47.28	Mar. 11	50.55	Mar. 19, 1947	59.30
Jan. 5, 1939	47.25	Dec. 20	47.56	Mar. 2, 1948	64.32
Mar. 2	47.09	Mar. 10, 1942	47.20	Mar. 7, 1949	71.68
June 23	48.96	Oct. 28	47.50	Feb. 17, 1950	80.34
Aug. 14	49.44	Jan. 29, 1943	47.10	Jan. 18, 1951	78.25
Oct. 4	49.41	July 20	50.91	Jan. 16, 1952	82.00
Dec. 8	48.57	Feb. 15, 1944	48.50	Jan. 9, 1953	87.58

478. Lat. 34°03', long. 101°27'. Depth 280 feet.

Mar. 18, 1947	63.71	Feb. 18, 1950	93.29	Jan. 9, 1953	96.05
Mar. 2, 1948	68.88	Jan. 18, 1951	82.74		
Mar. 8, 1949	73.84	Jan. 14, 1952	88.11		

486. Lat. 34°03', long. 101°23'. Depth 59 feet.

July 28, 1937	35.53	Nov. 15, 1940	35.75	Feb. 15, 1945	32.45
Jan. 24, 1938	33.40	Jan. 20, 1941	35.84	Feb. 27, 1946	33.67
June 26	34.05	Mar. 12	35.90	Mar. 17, 1947	34.70
June 23, 1939	35.05	July 23	27.90	Mar. 2, 1948	35.25
Oct. 4	35.21	Dec. 20	26.90	Mar. 8, 1949	35.70
Dec. 8	35.34	Mar. 10, 1942	28.86	Feb. 19, 1950	30.50
Jan. 13, 1940	35.40	July 24	30.14	Jan. 17, 1951	30.50
Mar. 6	35.50	Oct. 28	29.12	Feb. 19	30.35
July 9	35.63	Jan. 29, 1943	30.12	Jan. 14, 1952	31.85
Oct. 27	35.72	Dec. 15, 1944	31.18	Jan. 9, 1953	36.50

493. Lat. 34°07', long. 101°29'. Depth 275 feet.

Oct. 27, 1945	78.26	Mar. 8, 1949	104.99	Jan. 8, 1953	121.36
Mar. 17, 1947	83.20	Jan. 17, 1951	110.24		
Mar. 2, 1948	95.98	Jan. 11, 1952	116.58		

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496. Lat. 34°08', long. 101°27'. Depth 200 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 17, 1947	86.00	Mar. 7, 1949	109.67	Jan. 11, 1952	118.97
Mar. 1, 1948	99.90	Feb. 15, 1950	113.44	Jan. 7, 1953	123.12

502. Lat. 34°02', long. 101°31'. Depth 192 feet.

Mar. 18, 1947	57.50	Feb. 17, 1950	70.17	Jan. 14, 1952	73.75
Mar. 9, 1948	62.11	Jan. 18, 1951	71.52	Jan. 9, 1953	82.25

509. Lat. 34°00', long. 101°29'. Depth 56 feet.

May 14, 1937	39.38	June 28, 1938	39.85	Nov. 15, 1940	44.94
June 18	39.12	Oct. 17	40.15	Jan. 20, 1941	44.99
Aug. 25	39.03	Dec. 5	40.32	Mar. 11	45.33
Sept. 14	38.87	Jan. 3, 1939	40.34	July 23	43.00
Oct. 1	38.71	Mar. 2	40.49	Dec. 20	41.63
Nov. 1	38.68	June 23	41.27	Mar. 10, 1942	41.42
Dec. 2	38.76	Aug. 14	41.47	Oct. 28	41.83
Jan. 4, 1938	38.90	Oct. 4	42.01	Jan. 29, 1943	41.18
Mar. 11	39.18	Dec. 8	42.10	Feb. 15, 1944	42.18
Apr. 13	39.53	Mar. 6, 1940	42.40		
May 26	39.83	July 9	43.68		

510. Lat. 34°01', long. 101°30'. Depth 309 feet.

June 18, 1937	40.20	Nov. 15, 1940	50.63	Jan. 20, 1947	52.90
Dec. 2	39.88	Jan. 20, 1941	48.22	Mar. 19	52.41
Jan. 4, 1938	39.94	Mar. 11	49.40	Mar. 9, 1948	55.98
June 28	41.65	Dec. 20	41.67	Mar. 9, 1949	59.30
Dec. 5	42.44	Mar. 10, 1942	40.64	Feb. 1, 1950	59.30
Jan. 3, 1939	42.27	Oct. 28	42.08	Jan. 18, 1951	66.63
Mar. 2	41.77	Jan. 29, 1943	40.70	Jan. 14, 1952	64.60
June 23	46.13	Feb. 15, 1944	43.35	Jan. 9, 1953	72.87
Dec. 8	46.02	Feb. 14, 1945	46.48		
Mar. 6, 1940	44.53	Feb. 27, 1946	49.49		

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511. Lat. $34^{\circ}02'$, long. $101^{\circ}28'$. Depth 240 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 17, 1937	46.06	Mar. 2, 1948	65.45	Jan. 18, 1951	77.85
Mar. 18, 1947	60.95	Mar. 8, 1949	68.65	Jan. 14, 1952	81.95

519. Lat. $33^{\circ}59'$, long. $101^{\circ}27'$.

May 8, 1936	48.09	Mar. 2, 1939	50.69	Feb. 15, 1944	50.56
May 10, 1937	49.20	June 23	50.64	Feb. 14, 1945	52.90
Aug. 25	49.75	Aug. 14	51.07	Feb. 27, 1946	54.68
Sept. 14	49.73	Oct. 4	51.39	Jan. 20, 1947	55.85
Oct. 1	49.88	Dec. 8	51.59	Mar. 19	55.90
Nov. 1	49.84	Mar. 6, 1940	51.84	Jan. 16, 1948	56.78
Dec. 2	49.43	Nov. 15	53.05	Mar. 9	56.82
Jan. 4, 1938	49.46	Jan. 20, 1941	53.24	Mar. 9, 1949	58.76
Mar. 11	49.52	Mar. 11	53.25	Feb. 18, 1950	60.21
May 26	49.99	Dec. 20	52.04	Jan. 18, 1951	61.65
June 28	50.11	Mar. 10, 1942	51.32	Jan. 14, 1952	63.70
Oct. 17	50.49	July 4	51.40	Jan. 10, 1953	66.38
Dec. 5	50.60	Nov. 25	51.38		
Jan. 3, 1939	50.62	Jan. 29, 1943	50.63		

523. Lat. $34^{\circ}02'$, long. $101^{\circ}26'$. Depth 277 feet.

Dec. 8, 1939	57.74	Dec. 20, 1941	56.80	Jan. 20, 1947	69.57
Mar. 6, 1940	56.06	Mar. 10, 1942	55.72	Mar. 19	69.00
Oct. 20	62.03	Oct. 28	57.98	Mar. 9, 1948	73.20
Nov. 15	60.78	Jan. 29, 1943	55.97	Mar. 9, 1949	77.90
Jan. 20, 1941	59.47	Feb. 15, 1944	57.93	Jan. 14, 1952	94.93
Mar. 11	59.16	Feb. 14, 1945	60.33	Jan. 9, 1953	100.60
July 23	66.20	Feb. 27, 1946	64.92		

525. Lat. $34^{\circ}02'$, long. $101^{\circ}24'$. Depth 298 feet.

May 14, 1937	40.29	Oct. 11, 1938	40.10	July 24, 1942	37.32
June 8	40.25	Dec. 5	40.15	Oct. 28	37.19
July 27	40.43	Jan. 3, 1939	40.14	Jan. 29, 1943	36.84
Aug. 25	40.55	Mar. 2	40.23	July 20	36.75
Sept. 14	40.40	June 23	40.68	Feb. 15, 1944	37.05
Oct. 1	40.37	Aug. 14	40.81	Feb. 14, 1945	38.80
Nov. 1	40.21	Dec. 8	40.87	Feb. 27, 1946	40.62
Dec. 2	40.12	Mar. 6, 1940	40.93	Jan. 20, 1947	42.44
Jan. 4, 1938	40.05	July 9	41.45	Mar. 17	42.60
Mar. 11	39.91	Oct. 27	41.71	Mar. 2, 1948	44.35
Apr. 13	40.16	Jan. 20, 1941	41.76	Mar. 8, 1949	46.16
May 26	40.28	Mar. 11	41.87	Feb. 18, 1950	49.23
June 24	40.18	July 23	41.64	Jan. 17, 1951	47.05
Aug. 12	40.28	Mar. 10, 1942	37.84	Jan. 18, 1952	48.35

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528. Lat. 34°02', long. 101°22'. Depth 73 feet.

Date	Water level	Date	Water level	Date	Water level
June 8, 1937	50.74	Jan. 13, 1940	51.03	Mar. 11, 1942	50.13
July 27	50.56	Mar. 22	51.09	July 24	49.60
Sept. 6	50.95	Nov. 27	51.29	Oct. 28	49.25
Jan. 24, 1938	50.92	Jan. 20, 1941	51.14	Jan. 29, 1943	49.00
Apr. 19	50.87	Mar. 12	51.36	Feb. 1, 1944	47.88
June 26	50.84	July 23	50.44		
Dec. 17, 1939	50.99	Dec. 22	50.25		

529. Lat. 34°00'. long. 101°20'. Depth 138 feet.

June 15, 1937	109.96	Mar. 11, 1942	110.88	Mar. 9, 1948	109.82
July 27	109.60	Jan. 29, 1943	110.42	Mar. 9, 1949	110.11
Nov. 30, 1938	110.09	Feb. 1, 1944	109.49	Feb. 17, 1950	110.10
Dec. 17, 1939	110.24	Feb. 15, 1945	109.50	Jan. 17, 1951	110.19
Mar. 22, 1940	110.38	Feb. 27, 1946	110.51	Jan. 14, 1952	109.70
Nov. 27	110.54	Mar. 17, 1947	109.50	Jan. 9, 1953	109.75

533. Lat. 33°49', long. 101°20'. Depth 134 feet.

June 8, 1937	122.12	Jan. 26, 1939	122.25	July 24, 1942	122.48
July 27	122.18	Dec. 17	122.57	Oct. 22	122.75
Sept. 6	122.07	Mar. 22, 1940	122.37	Jan. 29, 1943	122.28
Jan. 24, 1938	122.21	Nov. 27	122.83	Feb. 15, 1945	112.50 122.50
Apr. 18	122.23	Mar. 12, 1941	122.70		
June 26	122.22	Mar. 11, 1942	121.95		

542. Lat. 33°56', long. 101°31'. Depth 325 feet.

Aug. 3, 1939	64.39	Mar. 9, 1949	74.27	Jan. 16, 1952	82.34
Mar. 18, 1947	68.72	Feb. 17, 1950	80.81	Jan. 10, 1953	89.62
Mar. 9, 1948	70.70	Jan. 18, 1951	80.68		

546. Lat. 33°56', long. 101°33'. Depth 367 feet.

Nov. 19, 1937	61.64	Mar. 9, 1948	70.20	Jan. 16, 1952	81.25
Mar. 18, 1947	68.49	Mar. 9, 1949	74.70	Jan. 10, 1953	85.48

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554. Lat. 33°57', long. 101°30'. Depth 215 feet.

Date	Water level	Date	Water level	Date	Water level
Mar. 18, 1947	83.70	Jan. 18, 1951	91.80	Jan. 10, 1953	96.32
Mar. 10, 1949	87.20	Jan. 16, 1952	93.60		

562. Lat. 33°52', long. 101°21'. Depth 164 feet.

June 12, 1937	132.55	Dec. 18, 1941	132.27	Mar. 9, 1949	138.60
July 28	134.18	Mar. 11, 1942	132.18	Feb. 17, 1950	141.50
June 23, 1939	133.82	Jan. 28, 1943	132.37	Jan. 18, 1951	142.38
Sept. 30	134.33	Feb. 15, 1945	133.18	Jan. 23, 1952	143.58
Dec. 17	133.61	Feb. 27, 1946	133.76	Jan. 10, 1953	151.29
Mar. 22, 1940	134.39	Mar. 9, 1948	135.13		

603. Lat. 33°58', long. 101°13'. Depth 190 feet.

June 14, 1937	175.76	Jan. 13, 1940	175.30	Jan. 29, 1943	175.53
July 28	175.82	Nov. 27	176.06	July 20	175.45
Apr. 18, 1938	175.42	Mar. 12, 1941	176.04	Feb. 15, 1945	175.15
Nov. 30	173.90	Mar. 11, 1942	175.59	Jan. 12, 1953	175.20
Jan. 26, 1939	176.12	Oct. 22	175.32		

605. Lat. 33°47', long. 101°08'. Depth 245 feet.

June 14, 1937	208.97	Nov. 27, 1940	213.01	Jan. 29, 1943	207.00
July 28	212.10	Mar. 12, 1941	211.90	July 20	215.30
Jan. 26, 1939	212.83	Dec. 18	211.20		
Jan. 13, 1940	212.49	Mar. 11, 1942	213.07		

607. Lat. 33°58', long. 101°04'. Depth 270 feet.

June 14, 1937	238.76	Jan. 26, 1939	240.30	Mar. 12, 1941	238.99
July 28	238.55	Jan. 13, 1940	239.17		
Apr. 18, 1938	240.05	Nov. 27	239.09		

610a. Lat. 33°56', long. 101°09'.

Dec. 3, 1948	210.20	Jan. 17, 1951	209.78	Jan. 12, 1953	212.19
Mar. 28, 1949	211.50	Jan. 23, 1952	212.40		

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610b. Lat. 33°55', long. 101°10'.

Date	Water level	Date	Water level	Date	Water level
Dec. 3, 1948	211.75	Feb. 17, 1950	214.16	Jan. 23, 1952	212.05
Mar. 28, 1949	209.10	Jan. 17, 1951	213.80	Jan. 12, 1953	209.38

618a. Lat. 33°52', long. 101°06'.

Mar. 28, 1949	235.95	Jan. 23, 1952	235.82	Jan. 12, 1953	236.34
Feb. 17, 1950	237.11				

627. Lat. 34°13', long. 101°26'. Depth 207 feet.

Mar. 7, 1947	77.41	Feb. 16, 1950	83.13	Jan. 15, 1952	88.29
Mar. 1, 1948	79.42	Jan. 17, 1951	84.94	Jan. 7, 1953	93.53

630. Lat. 34°11', long. 101°25'. Depth 216 feet.

Mar. 17, 1947	98.77	Mar. 7, 1949	107.97	Jan. 15, 1952	119.65
Mar. 1, 1948	103.42	Feb. 16, 1950	112.89	Jan. 7, 1953	121.72

652. Lat. 34°05', long. 101°28'. Depth 298 feet.

Mar. 19, 1947	65.76	Feb. 17, 1950	86.46	Jan. 7, 1953	102.51
Mar. 2, 1948	75.70	Jan. 18, 1951	90.49		
Mar. 7, 1949	82.55	Jan. 11, 1952	96.12		

663. Lat. 34°03', long. 101°27'. Depth 280 feet.

Mar. 18, 1947	65.75	Feb. 18, 1950	91.98	Jan. 9, 1953	98.01
Mar. 2, 1948	70.12	Jan. 18, 1951	84.25		
Mar. 8, 1949	75.78	Jan. 14, 1952	91.73		

701. Lat. 34°00', long. 101°24'. Depth 303 feet.

Mar. 18, 1947	78.11	Feb. 18, 1950	87.42	Jan. 14, 1952	92.98
Mar. 8, 1949	85.20	Jan. 18, 1951	88.45	Jan. 10, 1953	100.31

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704. Lat. 33°58', long. 101°23'. Depth 331 feet.

Date	Water level	Date	Water level	Date	Water level
Oct. 23, 1945	90.29	Mar. 9, 1949	95.15	Jan. 10, 1953	110.00
Mar. 17, 1947	90.03	Jan. 18, 1951	101.67		
Mar. 9, 1948	91.89	Jan. 14, 1952	102.55		

720. Lat. 33°57', long. 101°32'. Depth 340 feet.

Mar. 18, 1947	63.86	Jan. 16, 1952	77.80	Jan. 10, 1953	85.19
Jan. 18, 1951	80.15				

726. Lat. 33°54', long. 101°33'. Depth 380½ feet.

Oct. 13, 1945	58.65	Mar. 9, 1949	72.35	Jan. 16, 1952	77.00
Mar. 18, 1947	67.28	Feb. 17, 1950	82.69	Jan. 10, 1953	80.28
Mar. 9, 1948	70.00	Jan. 18, 1951	78.35		

727. Lat. 34°03', long. 101°28'.

Mar. 18, 1947	58.90	Mar. 8, 1949	68.74	Jan. 14, 1952	80.73
Mar. 2, 1948	64.09	Jan. 18, 1951	76.68	Jan. 9, 1953	87.68

728. Lat. 34°02', long. 101°27'. Depth 300 feet.

Mar. 18, 1947	61.88	Feb. 18, 1950	90.75	Jan. 9, 1953	94.52
Mar. 2, 1948	67.00	Jan. 18, 1951	81.43		
Mar. 8, 1949	71.92	Jan. 14, 1952	86.55		

729. Lat. 33°55'. long. 101°32'. Depth 388 feet.

Mar. 18, 1947	75.41	Mar. 9, 1949	79.93	Jan. 16, 1952	84.00
Mar. 9, 1948	75.78	Jan. 18, 1951	87.55	Jan. 10, 1953	88.88

730. Lat. 33°57', long. 101°22'. Depth 360 feet.

Mar. 17, 1947	108.83	Feb. 18, 1950	134.73	Jan. 10, 1953	126.76
Mar. 9, 1948	110.15	Jan. 18, 1951	121.46		
Mar. 9, 1949	113.73	Jan. 14, 1952	120.70		