

Water Levels and Artesian Pressure in Observation Wells in the United States in 1945

Part 4. South-Central States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1026

*Prepared in cooperation with the States
of Arkansas, Louisiana, Oklahoma, and
Texas, and other agencies*



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Prepared under the direction of C. G. PAULSEN, Chief Hydraulic Engineer

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UNITED STATES DEPARTMENT OF THE INTERIOR

J. A. Krug, *Secretary*

GEOLOGICAL SURVEY

W. E. Wrather, *Director*

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Arkansas, Louisiana, Oklahoma, and Texas, and other agencies, by personnel of the Water Resources Branch under the direction of:

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WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1945

Part 4. SOUTH-CENTRAL STATES

INTRODUCTION

By A. N. Sayre and others

Significance of records of water level and artesian pressure

The rock formations of the earth are great natural reservoirs in which a part of the water derived from rain and snow is stored to supply wells and springs and to maintain the flow of streams during periods of fair weather. Water levels in wells register the stages of these natural reservoirs; they show the extent to which water supplies are depleted by drought or by heavy pumping, whether for public waterworks, irrigation, or industrial uses, and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The changes in pressure recorded on flowing wells indicate depletion or replenishment of the artesian reservoirs.

Annual publication of records by Geological Survey

The regular publication of records of water level and artesian pressure in the United States was begun by the Geological Survey in 1935 and has continued yearly since. The records for the entire country were published in a single volume each year through 1939. Beginning with 1940 the records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. (See fig. 1.) The following table gives the numbers of these reports. This series of water-supply papers is in a sense an inventory, year by year, of the ground-water supplies of such parts of the country as have been covered.

Water-supply papers on water levels and artesian pressure in observation wells in the United States

Year	North-eastern States	South-eastern States	North-central States	South-central States	North-western States	South-western States and Hawaii
1935	777	777	777	777	777	777
1936	817	817	817	817	817	817
1937	840	840	840	840	840	840
1938	845	845	845	845	845	845
1939	886	886	886	886	886	886
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028

Scope of present volume

The present volume covers the south-central States and gives records of water level and artesian pressure in about 1,340 observation wells of the Geological Survey and cooperating agencies in Arkansas, Louisiana, Oklahoma, and Texas. Of these wells, 28 are equipped with automatic water-stage recorders. For some wells not previously reported complete records of water level are given in this volume, including those of the years before 1945. For wells whose previous records have been published this volume gives only the current records. If a complete description of a well has been published in a previous report, only the well number or the well number and a brief identifying description are given in this report. The numbers in parentheses immediately following a well number are those of the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in the paper whose number is so marked. This report includes about 4,360 individual determinations of water level and artesian pressure.

Land-surface datum

Before 1943, in Geological Survey reports, the water levels and artesian pressures for some wells were given in feet above or below the measuring points and for other wells in feet above or below sea level or above or below various assumed datum planes. It had been considered inadvisable to adopt a standard procedure in expressing water levels and artesian heads until after a period of trial with datum planes of different kinds. In

1943, however, it was decided that uniform practice should be adopted. Accordingly, precise datum planes were established approximating the land surface at each well. The water levels and artesian heads for all wells listed in this report are given in reference to land-surface datum planes.

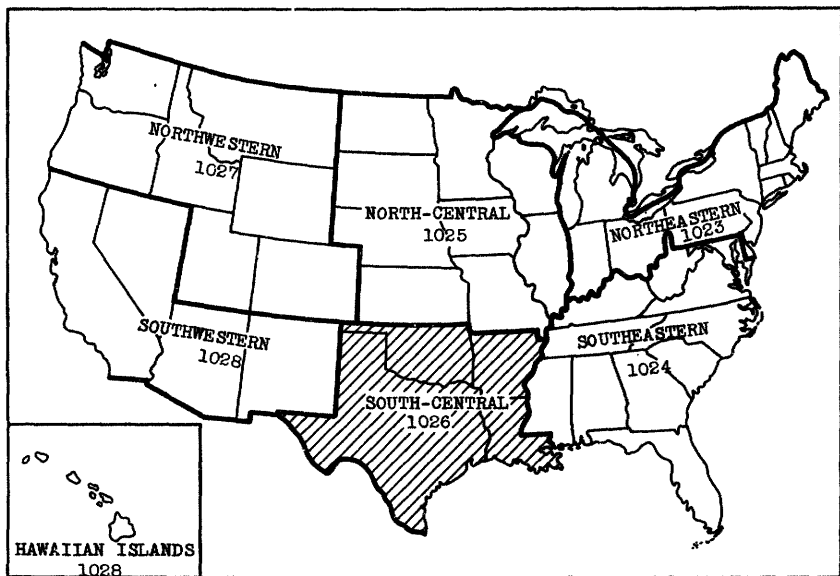


Figure 1.--Outline map of the United States showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1945. The shaded section represents the part of the country covered by this volume.

If the water levels or artesian heads are referred to land-surface datum for the first time, a conversion factor is given in the descriptive matter preceding them in order to facilitate comparison of the older and newer records. Wherever the conversion factor is given in earlier reports it is not repeated in this report. New data as to the positions of the measuring point and of the bench marks, in feet above or below land-surface datum plane, will be published in succeeding annual reports. .

Network of key observation wells

During 1942 the Geological Survey established a network of key observation wells in order to make available current information on general ground-water conditions over the country. These wells were selected

because the fluctuations of water level in them are believed to be typical and they represent the general fluctuations that occur in the parts of the country in which the wells are situated. At the end of 1945 the network included about 160 wells in 45 States. About 40 of the wells were established expressly for the network in 1942 and about 20 were established in 1943; the other 100 were selected from wells measured regularly in connection with cooperative ground-water investigations. The coverage of the country is still far from adequate, and it is expected that some wells not now included will be added to the network from time to time.

Changes in ground-water level in 1945 in the south-central part of the
United States

In 1945 the precipitation in three of the four States in the south-central section of the country was above normal and the water levels rose in many wells of the section. In Texas precipitation for the year was slightly below normal. The fluctuations of both water level and artesian pressure in wells depend, however, on many factors besides the amount of precipitation. In certain of the observation wells there are fluctuations caused by differences in the rate of pumping or artesian flow from other wells in the area, but most of the observation wells are not noticeably affected by pumping or artesian flow. A summary of the changes in ground-water level is given in the chapter for each State.

Acknowledgments

Acknowledgments for effective services in the preparation of this water-supply paper are due Misses Dorothy M. Ireland and Frances Head, Mrs. Nauvoo Ragland, and Rodney Hart. Miss Ireland had general charge of the assembling of the several reports and did the editing; Mr. Hart prepared the illustrations; and Mrs. Ragland and Miss Head did the offset typing.

ARKANSAS

GRAND PRAIRIE REGION

By R. C. Baker

PROGRAM OF WORK

Measurements of depth to water levels in wells in the Grand Prairie region of Arkansas were made in the spring of 1945 in cooperation with the State Agricultural Experiment Station and the Federal Land Bank of St. Louis. The measurements were made by Professor Kyle Engler, assisted by Mr. E. A. Gillman. Measurements of water levels in the Grand Prairie region have been made for 19 successive years. The first measurements were made in September 1927 in cooperation with the Arkansas Geological Survey.

The Grand Prairie region of Arkansas comprises Arkansas County, large parts of Lonoke and Prairie Counties, and small parts of Jefferson and Monroe Counties. Rice is extensively cultivated in the region. A large proportion of the water used for rice irrigation is taken from wells, most of which tap water-bearing material of Quaternary age. A discussion of the conditions affecting the ground-water resources of the region, and an account of the early pumping operations and their effect on the general ground-water level are given in an earlier report.^{1/} Later reports bring these records up to date and include the records of other wells as measurements in them are begun. In June 1945 a comprehensive report summarizing all of the work done in the cooperative investigations was published by the University of Arkansas.^{2/}

FLUCTUATIONS OF WATER LEVEL

The fluctuations of water level in the wells in the region are caused by several factors. The changes are in part caused by differences

^{1/} Water levels and artesian pressure in observation wells in the United States in 1935, with statements concerning previous work and results: U. S. Geol. Survey Water-Supply Paper 777, pp. 5-8, 1936.

^{2/} Engler, Kyle, Thompson, D. G., and Kazmann, R. G., Ground-water supplies for rice irrigation in the Grand Prairie region, Ark.: University of Arkansas, College of Agriculture Bull. 457, 56 pp., June 1945.

in natural recharge and discharge from the aquifer. The water levels in nearly all wells in the region fluctuate as a result of changes in atmospheric pressure; this may be as much as 0.8 foot in 24 hours and 1 foot in a few days. Corrections for changes in atmospheric pressure can be made and are necessary to make accurate comparisons of water levels at different times. Measurements given in this paper have not been corrected for atmospheric changes. In the extreme southeastern portion of the region some fluctuation of water levels is probably caused by differences in the stage of the White River.

Changes in water levels are also caused by pumping. The water levels tend to stand highest in the spring just before the irrigation pumping commences, then decline during the period of pumping, the rate of decline being fairly large at first, then decreasing. Local differences in water level are caused by differences in pumping. After pumping ceases the water levels rise, fairly rapid at first, then at a decreasing rate and by spring tend to stand near the levels of the previous spring. The trend of water level or artesian head from year to year may be determined by annual measurements made in the spring, as late as possible before pumping for irrigation is begun. In some years measurements of water level were made in the fall but then the general trend of water levels may be masked by local irregularities due to differences in pumping. Water levels were not measured in the fall of 1945.

Well 280 is equipped with an automatic water-stage recorder, and measurements of the water level are given at the times the recorder charts were changed, which was generally once a week. A continuous record of the fluctuations of water level in this well has been obtained since August 1928.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Arkansas County

280 (*777, pp. 13-14; 817, pp. 4-5; 840, p. 14; 845, pp. 8-9; 886, p. 11; 909, p. 10; 939, pp. 6-7; 947, p. 9; *989, p. 7; *1019, p. 7). Fred Hederich. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 3 S., R. 5 W., about 0.5 mile south and 1 mile east of Stuttgart. Equipped with automatic water-stage recorder. Comparison of the record for 1945 with the records for previous years may be made by reference to a graph, showing the lowest water level reached each day from August 1928, when the recorder was installed, to the end of 1937. (See Water-Supply Paper 840, p. 9).

280--Continued.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	92.91	Apr. 7	93.55	July 7	94.43	Oct. 6	94.44
13	93.35	15	92.90	14	95.20	14	94.45
20	93.50	21	93.04	21	94.83	21	94.28
27	93.37	28	92.95	28	95.60	28	94.63
Feb. 3	93.44	May 5	93.20	Aug. 4	94.82	Nov. 4	94.32
10	93.39	12	92.82	11	95.33	11	94.47
17	93.42	20	93.07	21	95.31	18	94.24
24	93.61	26	92.96	25	96.91	25	94.03
Mar. 3	93.15	June 2	92.93	Sept. 1	95.45	Dec. 2	94.10
10	93.36	11	94.13	9	95.41	9	93.92
17	93.27	16	93.80	15	95.17	16	94.48
24	92.76	24	93.42	23	95.88	24	93.47
31	93.06	30	95.63	30	94.63		

The following table gives the highest and lowest water levels reached during the period 1938-45 in feet below land surface. The high stages are due in part to extremely low atmospheric pressure. Water levels given in the table have not been corrected for barometric fluctuations.

Year	Date	Lowest level	Date	Highest level
1938	Sept. 4	93.90	Feb. 18	87.71
1939	Aug. 21	84.86	Jan. 29	88.00
1940	Aug. 6	94.69	Apr. 17	89.12
1941	Aug. 17	94.90	Apr. 21	89.58
1942	Aug. 3	94.72	Apr. 9	90.10
1943	Aug. 27	96.92	May 24	90.84
1944	Aug. 20	97.62	Apr. 11	91.61
1945	Aug. 25	97.39	Mar. 1	92.20

205 (*777, p. 12; 817, p. 5; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 7). D. F. Fowler. Near NW. corner sec. 4, T. 2 S., R. 5 W. Water level, in feet below land-surface datum, 1945: Apr. 19, 6:10 p.m., 99.10.

210 (*845, p. 10; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 8). W. H. Kornbaum. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 2 S., R. 5 W. No measurements made in 1945.

245 (*909, p. 11; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 8). J. W. Darrough. Near NW. corner sec. 22, T. 2 S., R. 4 W. No measurements made in 1945.

261 (*777, p. 13; 817, p. 5; 886, p. 11; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 8). W. M. Trice. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 2 S., R. 3 W. Water level, in feet below land-surface datum, 1945: Apr. 20, 10:15 a.m., 65.85.

274 (*909, p. 12; 939, p. 7; 947, p. 9; *989, p. 8; 1019, p. 8). W. W. Crum. NW $\frac{1}{4}$ sec. 29, T. 3 S., R. 6 W. No measurements made in 1945.

293 (*845, p. 10; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 9; 1019, p. 8). J. C. Gleason. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 3 S., R. 5 W., a short distance south of railroad. No measurements made in 1945.

305 (*909, p. 12; 939, p. 7; 947, p. 9; 989, p. 9; 1019, p. 8). Pearl Clow. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, T. 3 S., R. 5 W. No measurements made in 1945.

311 (*840, p. 18; 841, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 9; 1019, p. 8). W. J. Schrock. NW $\frac{1}{4}$ sec. 5, T. 3 S., R. 4 W. Water level, in feet below land-surface datum, 1945: Apr. 18, 2:25 p.m., 104.16.

318 (*777, p. 15; 817, p. 5; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 9; *989, p. 9; 1019, p. 8). University of Arkansas. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 3 S., R. 4 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 8:05 a.m., 88.81.

344 (*840, p. 18; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8). F. T. Hill. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 3 S., R. 4 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 8:15 a.m., 95.06.

353 (*840, p. 19; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 8). R. L. Mitchell. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 3 S., R. 3 W. No measurements made in 1945.

355 (*909, p. 13; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8). W. A. Fehrenbaker. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 3 S., R. 3 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 11:20 a.m., 75.76.

362 (*909, p. 13; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8). H. Bothe Estate. NW $\frac{1}{4}$ sec. 22, T. 3 S., R. 2 W. No measurements made in 1945.

364 (*909, p. 14; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8). J. T. McWilliams. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 3 S., R. 2 W. No measurements made in 1945.

374A (*886, p. 12; 947, p. 10; 989, p. 9; 1019, p. 8). Charles W. MacDougall. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 4 S., R. 5 W. Water level, in feet below land-surface datum, 1945: Apr. 18, 11:45 a.m., 41.97.

378 (*886, p. 13; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8). Yeske. Near SE corner sec. 13, T. 4 S., R. 5 W. Water level, in feet below land-surface datum, 1945: Apr. 18, 11:25 a.m., 88.71.

392A (*777, p. 15; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 8). Fred E. Hillman. SW $\frac{1}{4}$ sec. 1, T. 4 S., R. 4 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 8:25 a.m., 91.89.

412 (*840, p. 19; 845, p. 12; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 8). Fred Dupslaff. NW $\frac{1}{4}$ sec. 5, T. 4 S., R. 2 W. No measurements made in 1945.

414 (*840, p. 19; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 8). J. T. McWilliams. Near NE corner, sec. 11, T. 4 S., R. 2 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 10:00 a.m., 61.88.

415 (*909, p. 14; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 9). J. W. Watkins. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 4 S., R. 2 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 9:20 a.m., 69.70.

437 (*886, p. 13; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 9; 1019, p. 9). B. L. Williams. Near SW corner sec. 7, T. 5 S., R. 4 W. No measurements made in 1945.

440 (*845, p. 11; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 9). American Southern Trust Co. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 5 S., R. 4 W. Water level, in feet below land-surface datum, 1945: Apr. 18, 3:55 p.m., 89.08.

456 (*777, p. 15; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 9; 1019, p. 9). E. W. McCuskey. Near NW corner NE $\frac{1}{4}$ sec. 16, T. 5 S., R. 3 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 1:00 p.m., 86.09.

457A (*909, p. 15; *939, p. 8; 947, p. 9; 1019, p. 9). Missouri State Insurance Co. (?) SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 5 S., R. 3 W. Water level, in feet below land-surface datum, 1945: Apr. 17, 4:30 p.m., 74.24.

461 (*886, p. 13; 909, p. 11; 939, p. 7; *989, p. 10; 1019, p. 9).
Dewitt Bank & Trust Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 5 S., R. 2 W. No measurements made in 1945.

475 (*840, p. 20; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; *989, p. 10; 1019, p. 9). Ben Lowe. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 6 S., R. 3 W. No measurements made in 1945.

491 (*909, p. 16; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9).
Cunningham & Felt. Spanish grant 2358, equivalent to sec. 24, T. 7 S., R. 4 W. No measurements made in 1945.

492 (*909, p. 16; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9).
A. M. Lowe. SE. corner sec. 3, T. 7 S., R. 3 W. Water level, in feet below land-surface datum, 1945: Mar. 17, 3:45 p.m., 44.76.

499 (*777, p. 16; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9). Quandt & Lowe. Spanish grant 2300, equivalent to sec. 27 or 34, T. 7 S., R. 3 W. No measurements made in 1945.

501 (*777, p. 16; 817, p. 5; 340, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9). W. J. Bohnert. SW $\frac{1}{4}$ (?) sec. 32, T. 7 S., R. 3 W. No measurements made in 1945.

506 (*840, p. 22; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9). J. M. Satchfield. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 7 S., R. 2 W. No measurements made in 1945.

507 (*777, p. 17; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 11; 909, p. 11; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9). J. M. Satchfield. Near SW. corner sec. 16, T. 7 S., R. 2 W. No measurements made in 1945.

514 (*909, p. 17; 939, p. 7; 947, p. 10; 989, p. 10; 1019, p. 9).
J. M. Satchfield. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 7 S., R. 2 W. No measurements made in 1945.

B87 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9).
W. E. Boyd. Center north side sec. 31, T. 2 S., R. 5 W. No measurements made in 1945.

B91 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9).
Enders. SE $\frac{1}{4}$ sec. 10, T. 2 S., R. 4 W. Water level, in feet below land-surface datum, 1945: Mar. 20, 9:35 a.m., 86.00.

B110 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9).
N $\frac{1}{2}$ sec. 20, T. 3 S., R. 5 W. No measurements made in 1945.

B133 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9).
Snow Wilson (Goetz). SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 4 S., R. 5 W. Water level, in feet below land-surface datum, 1945: Mar. 18, 9:45 a.m., 70.68.

B171 (*909, p. 17; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 9).
South side sec. 13, T. 5 S., R. 3 W. No measurements made in 1945.

B189 (*909, p. 18; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 10).
W. J. Bohnert. NW $\frac{1}{4}$ sec. 32, T. 7 S., R. 3 W., on State Highway 1. No measurements made in 1945.

B192 (*909, p. 18; 939, p. 7; 947, p. 10; *989, p. 10; 1019, p. 10).
Sec. 5, T. 8 S., R. 3 W. No measurements made in 1945.

Jefferson County

270 (*840, p. 17; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; 989, p. 11; 1019, p. 10). V. D. Harlin. NW $\frac{1}{4}$ (?) sec. 24, (?), T. 3 S., R. 7 W. No measurements made in 1945.

Lonoke County

1 (*840, p. 15; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; 989, p. 11; 1019, p. 10). NW. corner sec. 11, T. 2 N., R. 9 W. No measurements made in 1945.

5 (*909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). Carl Lilly. SE. corner SW $\frac{1}{4}$ sec. 31, T. 3 N., R. 7 W. Water level, in feet below land-surface datum, 1945: Mar. 19, 10:40 a.m., 64.11.

8 (*840, p. 16; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). Owner unknown. Near NW. corner sec. 4, T. 2 N., R. 8 W. Water level, in feet below land-surface datum, 1945: Mar. 19, 10:15 a.m., 54.78.

10 (*777, p. 8; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). G. G. Fitch. Near NW. corner NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 2 N., R. 8 W. No measurements made in 1945.

19 (*909, p. 19; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). Charles G. Miller. SW $\frac{1}{4}$ sec. 26, T. 2 N., R. 8 W. Water level, in feet below land-surface datum, 1945: Mar. 19, 9:35 a.m., 55.28.

27 (*909, p. 19; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). J. T. Kelly. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 2 N., R. 7 W. No measurements made in 1945.

28 (*840, p. 16; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). G. Koch. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 2 N., R. 7 W. No measurements made in 1945.

37 (*909, p. 19; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 2 N., R. 7 W. Water level, in feet below land-surface datum, 1945: Mar. 19, 9:25 a.m., 60.74.

61 (*886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). Lonoke County Bank, Bishop farm. 15 miles north of SW. corner SW $\frac{1}{4}$ sec. 4, T. 1 N., R. 8 W. No measurements made in 1945.

126 (*777, p. 10; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). Vennum & Patterson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 1 S., R. 7 W. No measurements made in 1945.

127 (*840, p. 17; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). Vennum & Patterson. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 1 S., R. 7 W. Water level, in feet below land-surface datum, 1945: Mar. 19, 8:45 a.m., 38.16.

Monroe County

178 (*909, p. 20; 939, p. 9; 947, p. 10; *989, p. 11; 1019, p. 10). Kreimeir Estate. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 1 S., R. 4 W. Water level, in feet below land-surface datum, 1945: Mar. 20, 11:45 a.m., 75.34.

193 (*886, p. 15; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). Hugh H. Burns. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 1 S., R. 3 W. No measurements made in 1945.

Prairie County

45 (*909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). Frank Dvorak. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 2 N., R. 6 W. Water level, in feet below land-surface datum, 1945: Mar. 20, 11:15 a.m., 82.77.

55 (*777, p. 9; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). George Jensen (?). Near SW. corner sec. 13, T. 2 N., R. 5 W. Water level, in feet below land-surface datum, 1945: Mar. 19, 3:55 p.m., 87.92.

88 (*886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). Herman Hardke. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 1 N., R. 6 W. No measurements made in 1945.

97 (*909, p. 21; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). J. A. Papan. SW. corner sec. 20, T. 1 N., R. 6 W. No measurements made in 1945.

100 (*840, p. 16; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). George Ballo. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 1 N., R. 6 W. No measurements made in 1945.

110 (*909, p. 21; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). F. W. Sickel. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 1 N., R. 5 W. No measurements made in 1945.

122 (*886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). George Randall. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 1 N., R. 4 W. No measurements made in 1945.

135 (*777, p. 11; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). C. D. Hohe. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 1 S., R. 6 W. Water level, in feet below land-surface datum, 1945: Mar. 18, 11:10 a.m., 87.67.

144 (*777, p. 11; 817, p. 5; 840, p. 15; 845, p. 9; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). Powell. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 1 S., R. 5 W. Water level, in feet below land-surface datum, 1945: Mar. 18, 11:30 a.m., 83.33.

201 (*845, p. 10; 886, p. 16; 909, p. 20; 939, p. 9; 947, p. 10; *989, p. 12; 1019, p. 11). N $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 14, T. 2 S., R. 6 W., a short distance south of old railroad grade. Water level, in feet below land-surface datum, 1945: Mar. 18, 5:35 p.m., 49.97.

LOUISIANA

By H. B. Shepherd, E. E. Richardson, and P. H. Jones

PROGRAM OF WORK

The observation-well program in Louisiana was begun in May 1938 in cooperation with the Louisiana Department of Conservation. An expansion of the program was made possible in 1943 when the Louisiana Department of Public Works also entered into the cooperation.

Observations of water level were made in 254 key wells in 28 parishes in 1945, in which a total of 1,050 individual measurements was made. Automatic water-stage recorders were in operation on 23 wells for at least a part of the year, enabling more reliable interpretation of measured water-level fluctuations. Of these recorders, 16 were of the weekly type and 7 were of the continuous type.

Measurements were made at monthly intervals in 106 wells, at weekly intervals in 12 wells, and the remainder were measured at irregular intervals. All measurements were made by members of the technical staff of the Federal Geological Survey with the exception of those for well Sc-6, at Norco, which were obtained through the cooperation of J. L. Davies, of the Shell Oil Company.

During the early part of the year the observation-well program was primarily directed toward solution of the industrial water-supply problems at Baton Rouge and Lake Charles. During the latter part of the year the focus of investigations shifted to the rice-farming area of southwestern Louisiana, where an intensive observation-well program was begun. A progress report ^{1/} on ground-water conditions at Baton Rouge was published in July.

^{1/} Cushing, E. M., and Jones, P. H., Ground-water conditions in the vicinity of Baton Rouge: Louisiana Dept. of Public Works, p. 33, 1945.

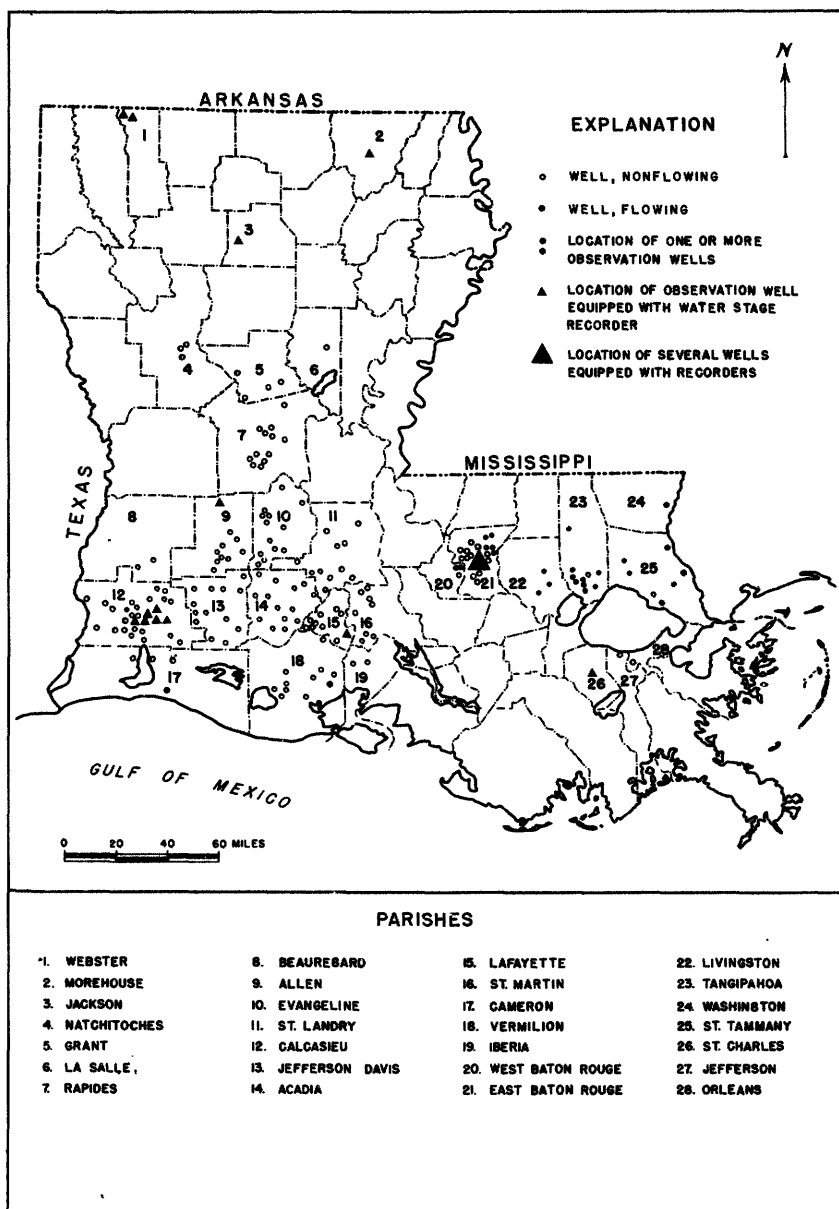


Figure 2.--Map of Louisiana showing locations of observation wells, 1945

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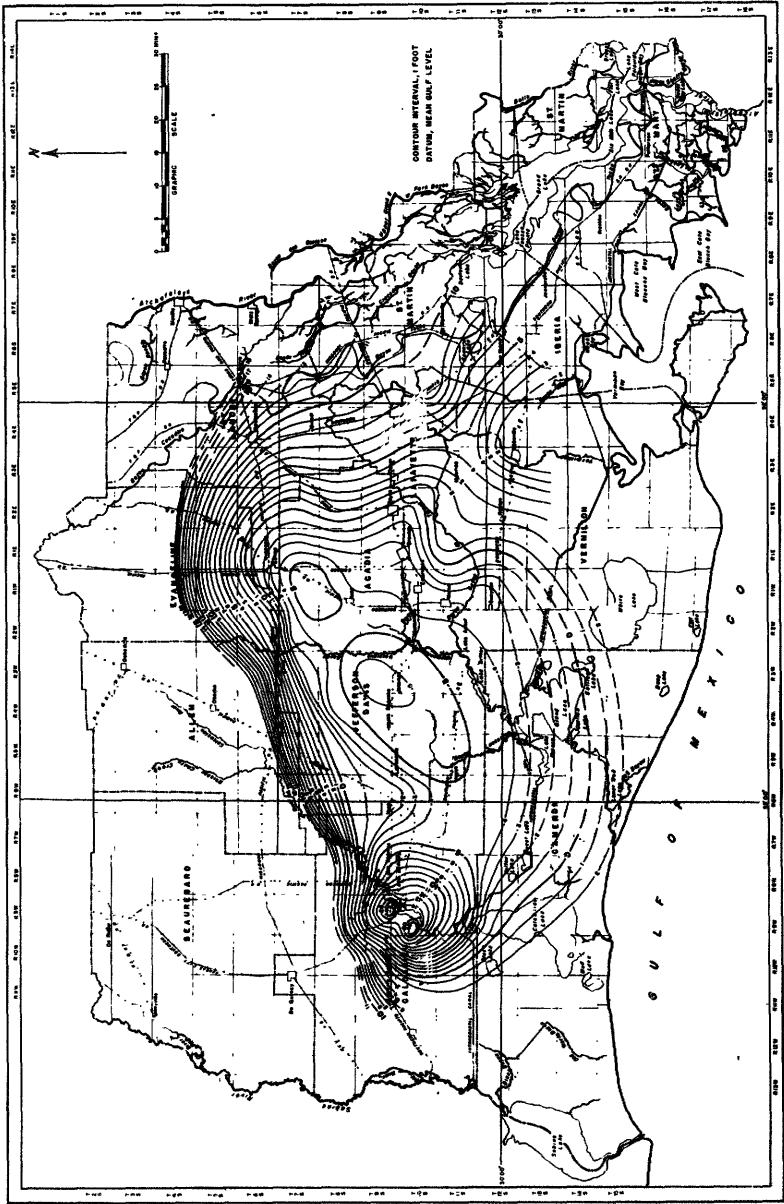


Figure 3.—Map of southwestern Louisiana showing piezometric surface of water in Pleistocene sands and gravels, December 1945.

* FLUCTUATIONS OF WATER LEVEL

Northern Louisiana.--Investigations were begun in the Springhill area, in Webster Parish, and automatic water-stage recorders were installed on two unused wells of the International Paper Co., Southern Kraft Division, at the Cullen mill, which requires up to 20 million gallons of ground water each day. Investigations were resumed and intensified in the Bastrop area, in Morehouse Parish, and continuous recorders were installed on two unused wells of the International Paper Company, Southern Kraft Division at the Louisiana mill. Ground-water conditions at both Springhill and Bastrop are critical, and no alternative supply appears to be available.

Observations of water level were begun in one unused well of the Southern Advance Bag & Paper Co., at Hodge, and a continuous recorder was installed on the well in June. The records for the last 6 months of 1945 show a gradual rise of water level in this well from 97 feet to 76.2 feet below land-surface datum.

Central Louisiana.--During 1945 a total of 72 measurements of water level was made in 19 wells in Natchitoches, Grant, LaSalle, and Rapides Parishes. With the end of the war the intensity of ground-water studies in the U. S. Army cantonments in Rapides Parish was greatly reduced. In the Natchitoches area a pressure head decline of 9.2 feet from 1944 was apparent in one well which taps a Wilcox sand that supplies about one-third of the public water-supply of the city. Since the observation well was completed, in January 1944, the pressure head has declined from 38.5 feet above the land surface to 23.3 feet above that datum. At Fishville, in Grant Parish, the recorded pressure head of a well 397 feet deep has ranged from 3.19 feet to 0.92 foot above land-surface datum in the past 7 years, the lowest head being recorded in 1945. Observation wells at Camp Claiborne, in Rapides Parish, screened in Pleistocene sands and gravels at a depth less than 200 feet showed a decline of less than 2 feet from the 1944 levels and a total decline of less than 20 feet from original static levels. The entire camp water supply, a maximum of about 4 million gallons a day, is obtained from wells which tap this source. Wells in the Alexandria area which tap the "1100-foot" sand, the principal aquifer, showed a marked recovery in most of the area, as indicated by the hydrographs, figure 4. For the first time on record the downward trend has been

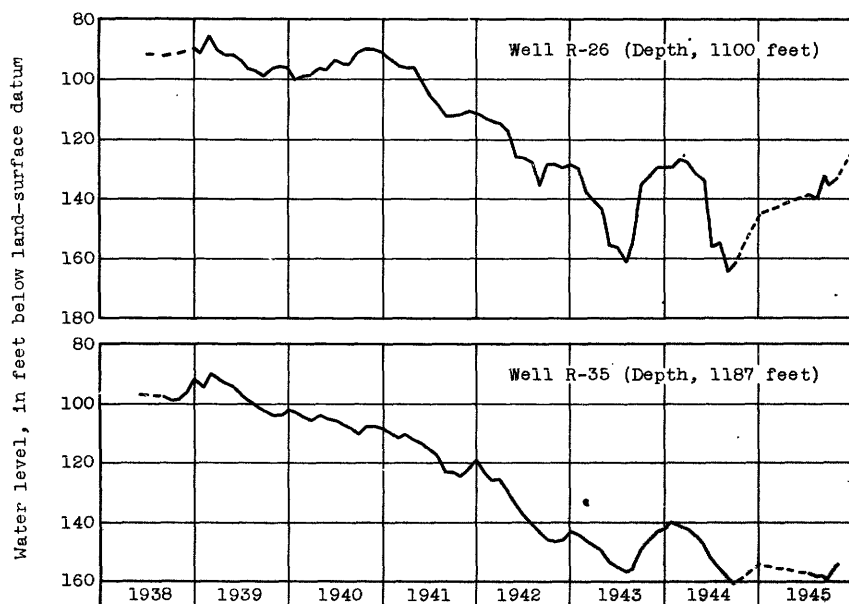


Figure 4.--Graphs showing fluctuations of water level in 2 wells at Alexandria, La., 1938-45.

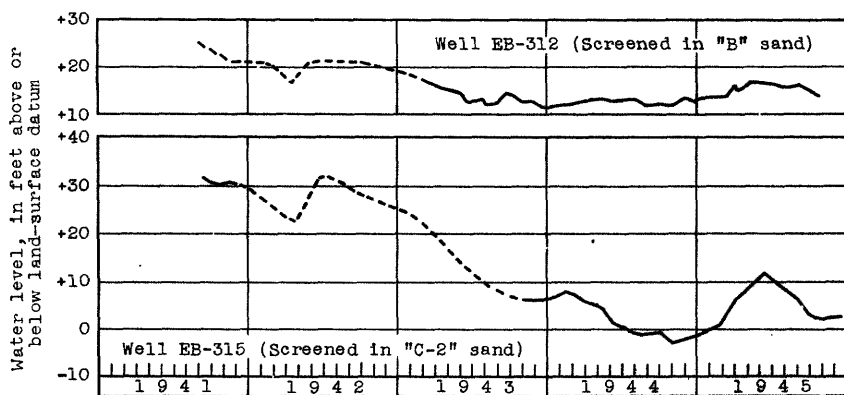


Figure 5.--Graphs showing fluctuations of water in 3 typical wells in the Baton Rouge, La., area, 1941-45.

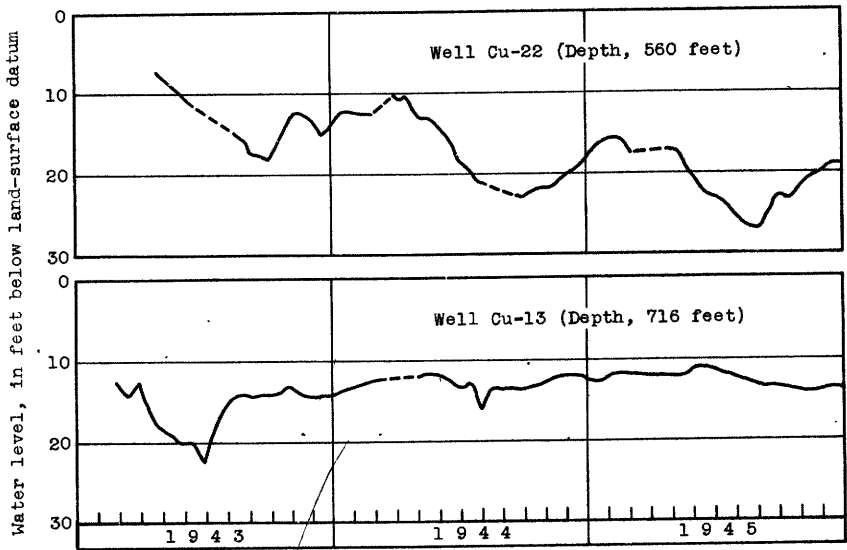


Figure 6.--Graphs showing fluctuations of water level in 2 wells in the Lake Charles industrial area, Calcasieu Parish, La.

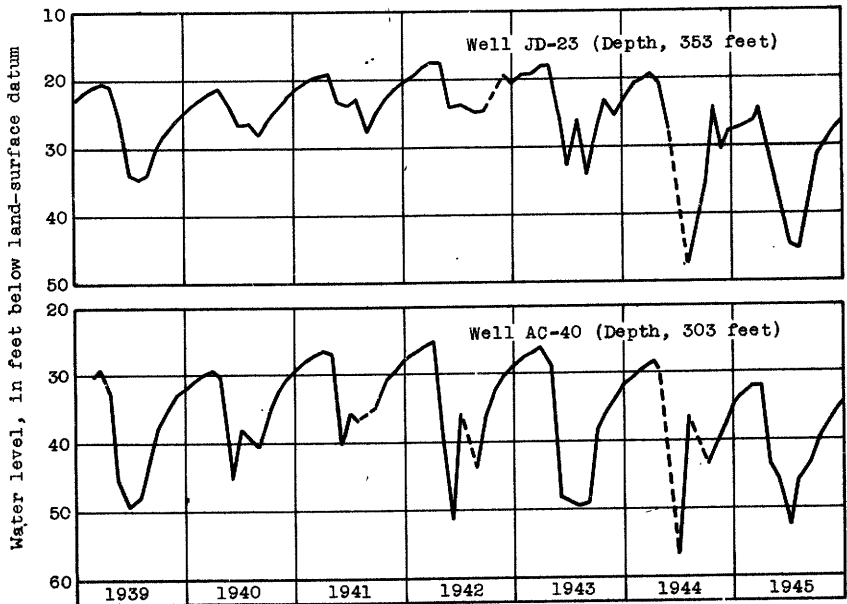


Figure 7.--Graphs showing influence of pumpage on water levels in wells in the rice area of southwestern Louisiana.

checked. Reduced demand from municipal wells in the urban area, made possible by completion of Bayou Rapides well field outside the city, is probably the most important factor influencing the trend.

Southwestern Louisiana.--During 1945, 728 measurements were made in 152 wells in 12 parishes in southwestern Louisiana. The observation-well program in this area has been broadened in scope to enable preparation of piezometric maps of water in the Pleistocene sands and gravels which supply water to irrigate about 45 percent of the rice acreage of this area--about 250,000 acres. Figure 3 is a piezometric map based upon water-level measurements in observation wells in December 1945. Precipitation during the rice-growing season this year was very near the average of a 55-year record, except in July which was wetter than the average. Water levels in key wells continued a decline begun in 1943, however, because of increased acreage under irrigation. This required greater withdrawals and resulted in failure of levels to recover fully during the winter and spring months. The hydrographs, figure 7, illustrate the trend.

Water levels in wells which tap the "500-foot" sand in the Lake Charles industrial area were the lowest on record in August of this year. This was largely the result of increased withdrawals from wells at the new Cities Service Co. refinery and butadiene plant, and the Firestone Tire & Rubber Co. plant. Levels in the "700-foot" sand, which is tapped by fewer industrial wells but supplies the entire municipal needs of the city, showed a gradual decline during the summer months. At no time during the year were levels as low as in the previous 2 years. See figure 6. Water levels in the "200-foot" sand in the Lake Charles area, which is tapped by two large industrial wells, had apparently reached near-equilibrium in 1945.

Automatic water-stage recorders were operated on eight wells in southwestern Louisiana in 1945; six of these were on wells in the Lake Charles area, one was on a well at Elizabeth, in Allen Parish, and one was on a well near Broussard, in Lafayette Parish.

Southeastern Louisiana.--The observation-well program in southeastern Louisiana was reduced in intensity but not in scope in 1945. A total of 246 measurements was made in 66 wells in 9 parishes, and automatic water-stage recorders were operated on 8 wells in East Baton Rouge Parish, 1

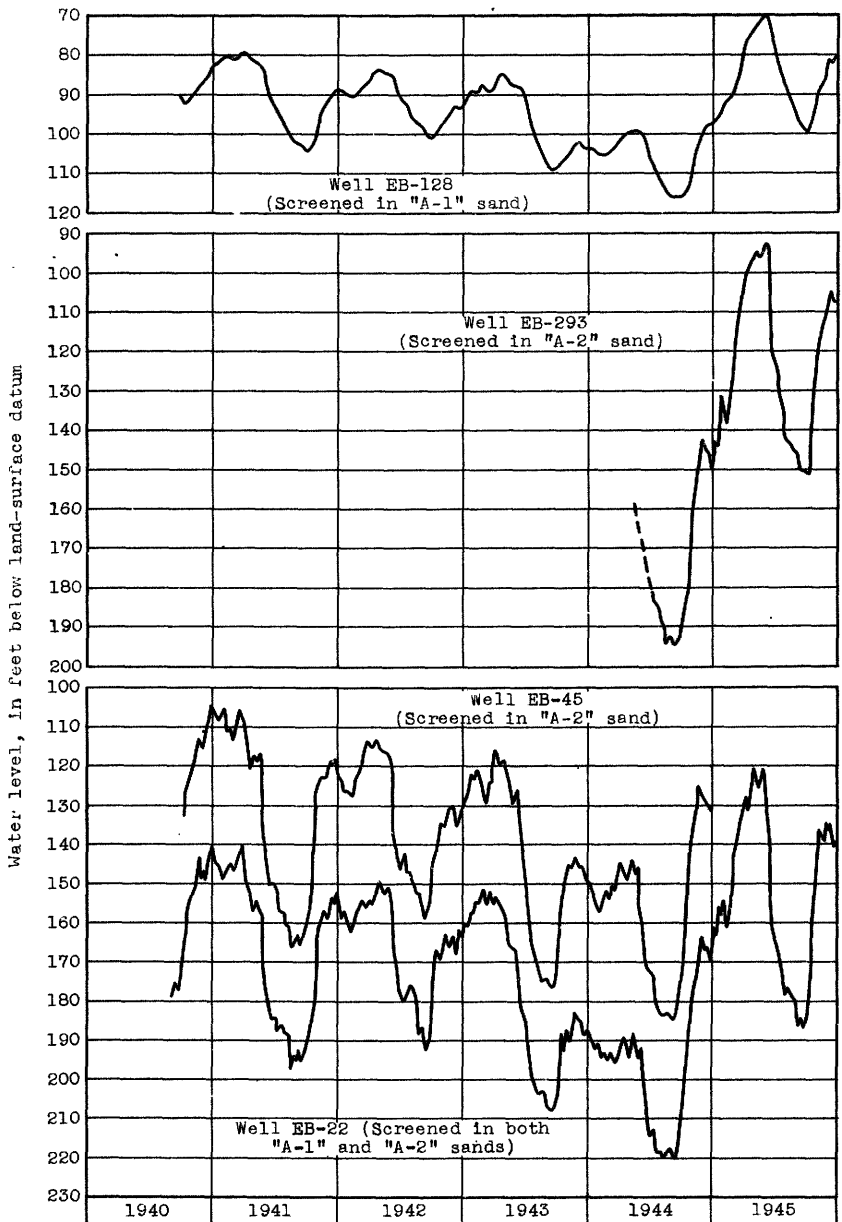


Figure 8.--Graphs showing fluctuation of water level in wells in the industrial district of the Baton Rouge, La., area, 1940-45.

well in St. Charles Parish, and 1 well in Tangipahoa Parish. The emphasis was upon the study in the Baton Rouge area, as in previous years, and 201 measurements were made in 39 wells in East Baton Rouge Parish.

In the spring months water levels in wells which tap the "A-1" and "A-2" sands in the Baton Rouge area showed a rise of as much as 70 feet from levels of the previous spring, largely as a result of the reduction in withdrawals from wells of the Ethyl Corporation made possible by completion of a large river-water clarification plant. The recovery of water levels in key wells which tap those sands is graphically illustrated in figure 8. Recovery of water levels also occurred in the deep wells which tap sands of the "B" and "C" sand zones in the Baton Rouge area, as illustrated by figure 5. The "A-1" and "A-2" sands are commonly referred to as the "400-foot" and "600-foot" sands; the "B" sand zone occurs between depths of 1,200 and 1,700 feet in the Baton Rouge area, and the "C" sand zone occurs below a depth of 1,700 feet. The total ground-water requirements in the industrial district were considerably reduced when production was curtailed at the end of the war, and at least a temporary respite from critical ground-water conditions was enjoyed by industrial water users.

Artesian pressures in key wells in the flowing-well area of southeastern Louisiana showed little change from previous years, largely because precipitation was at or above normal during the strawberry growing season.

Records for a key well 404 feet deep, at the Shell Oil Co., Norco Refinery, near New Orleans, showed a continued decline of 2.75 feet a year, based on average weekly water levels.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Acadia Parish

Ac-1 (*845, p. 148). W.M. Hoyt. 1.2 miles from Midland toward Estherwood, on Highway 90. No measurements made in 1945.

Ac-2 (*845, p. 148; 1019, p. 20). W. M. Hoyt. 1.2 miles from Midland toward Estherwood, on Highway 90. No measurements made in 1945.

Ac-5 (*886, p. 232; 909, p. 28; 939, p. 16, 947, p. 20; *989, p. 22; 1019, p. 20). Mrs. W. S. Bruner. NW $\frac{1}{4}$ sec. 15, T. 8 S., R. 2 E. No measurements made in 1945.

Ac-6 (*1019, p. 20). Holt & Le Blanc. NE $\frac{1}{4}$ sec. 27, T. 9 S., R. 2 E. No measurements made in 1945.

Ac-7 (*886, p. 233; 909, p. 28; 947, p. 20; 989, p. 22; 1019, p. 20). Lozer Leger. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 21	47.72	Oct. 9	33.75	Nov. 16	31.48
Sept. 11	36.02	Nov. 8	32.16	Dec. 12	30.88

Ac-8 (*1019, p. 21). A. C. Dishler. SE $\frac{1}{4}$ sec. 12, T. 10 S., R. 1 E. No measurements made in 1945.

Ac-9 (*1019, p. 21). Sidney J. Richard. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 10 S., R. 1 W. No measurements made in 1945.

Ac-12 (*1019, p. 21). Steven Fontenot. NW $\frac{1}{4}$ sec. 24, T. 8 S., R. 1 W. No measurements made in 1945.

Ac-15 (*1019, p. 21). Arthur Loewer. NW $\frac{1}{4}$ sec. 5, T. 8 S., R. 1 E. No measurements made in 1945.

Ac-17 (*1019, p. 21). Dr. F. N. Hayes. SW $\frac{1}{4}$ sec. 3, T. 8 S., R. 1 W. No measurements made in 1945.

Ac-18 (*1019, p. 21). Dr. F. N. Hayes. SE $\frac{1}{4}$ sec. 42, T. 7 S., R. 1 W. No measurements made in 1945.

Ac-19 (*886, p. 233; 1019, p. 21). Joseph Chlenforst. SE $\frac{1}{4}$ sec. 42, T. 7 S., R. 1 W. No measurements made in 1945.

Ac-20 (*1019, p. 22). Lorenz Zaunbrecher. NE $\frac{1}{4}$ sec. 35, T. 7 S., R. 1 W. No measurements made in 1945.

Ac-22 (*886, p. 233; 909, p. 28; 939, p. 16; 947, p. 20; 989, p. 22; 1019, p. 22). Harry Frey. S $\frac{1}{2}$ sec. 19, T. 7 S., R. 1 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 19	76.16	Oct. 10	54.80	Nov. 26	50.58
Sept. 12	59.28	Nov. 8	52.50	Dec. 13	50.49

Ac-25 (*1019, p. 22). Raymond McManas. SE $\frac{1}{4}$ sec. 21, T. 7 S., R. 1 W. No measurements made in 1945.

Ac-27 (*1019, p. 22). Mrs. M. L. Vincent. SE $\frac{1}{4}$ sec. 30, T. 7 S., R. 1 W. No measurements made in 1945.

Ac-32 (*886, p. 233; 1019, p. 22). John Wilfert. SW $\frac{1}{4}$ sec. 10, T. 7 S., R. 1 W. No measurements made in 1945.

Ac-34 (*886, p. 233; 909, p. 29; 939, p. 16; 947, p. 20; 989, p. 22; 1019, p. 22). Dr. F. N. Hayes. SW $\frac{1}{4}$ sec. 10, T. 7 S., R. 2 W. Water levels, in feet below land-surface datum, 1945: Oct. 10, 51.60; Nov. 8, 49.08; Nov. 27, 47.54; Dec. 13, 46.73.

Ac-35 (*886, p. 233; 909, p. 29; 939, p. 16; 947, p. 20; 989, p. 23; 1019, p. 22). Onezime Doucet. NW $\frac{1}{4}$ sec. 22, T. 8 S., R. 2 W.

Water level, in feet below land-surface datum, 1945

July 20	57.16	Nov. 8	45.38	Dec. 13	43.04
Oct. 10	47.70	27	44.16		

Ac-36 (*1019, p. 22). Morris Miller. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 8 S., R. 1 W. No measurements made in 1945.

Ac-40 (*886, p. 234; 909, p. 29; 939, p. 16; 947, p. 21; 989, p. 23; 1019, p. 22). H. A. Kerr. NE $\frac{1}{4}$ sec. 1, T. 9 S., R. 1 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	33.56	May 25	45.73	Sept. 12	43.11	Nov. 8	37.31
Mar. 1	32.19	June 29	52.37	Oct. 10	39.68	Dec. 13	35.09
27	32.11	July 29	45.99				

Ac-44 (*1019, p. 23). Mr. W. L. Trimble. NW $\frac{1}{4}$ sec. 6, T. 9 S., R. 1 E.
No measurements made in 1945.

Ac-47 (*1019, p. 23). Mrs. W. J. Zaunbrecher. NE $\frac{1}{4}$ sec. 18, T. 8 S.,
R. 1 E. No measurements made in 1945.

Ac-48 (*1019, p. 23). Winston Atteberry. SW $\frac{1}{4}$ sec. 20, T. 7 S.,
R. 1 E. No measurements made in 1945.

Ac-51 (*1019, p. 23). Allen Laughlin. SE $\frac{1}{4}$ sec. 14, T. 7 S., R. 1 E.
No measurements made in 1945.

Ac-55 (*1019, p. 23). W. E. Trimble. SW $\frac{1}{4}$ sec. 24, T. 7 S., R. 1 E.
No measurements made in 1945.

Ac-56 (*886, p. 234; 909, p. 29; 939, p. 17; 947, p. 21; 989, p. 23;
1019, p. 23). Henry Bieber. NW $\frac{1}{4}$ sec. 36, T. 7 S., R. 1 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Sept. 12	63.91	Nov. 8	57.83	Dec. 13	55.42
Oct. 10	60.05	26	56.56		

Ac-57 (*1019, p. 23). Henry Bieber. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 7 S., R. 1 E.
No measurements made in 1945.

Ac-59 (*1019, p. 23). Fred Loewer. NE $\frac{1}{4}$ sec. 33, T. 7 S., R. 1 E.
No measurements made in 1945.

Ac-61 (*1019, p. 23). Spears & Spears. NE $\frac{1}{4}$ sec. 18, T. 7 S., R. 2 E.
No measurements made in 1945.

Ac-66 (*1019, p. 24). Mrs. August Zaunbrecher. SW $\frac{1}{4}$ sec. 3, T. 8 S.,
R. 1 E. No measurements made in 1945.

Ac-76 (*1019, p. 24). John Bischoff. SW $\frac{1}{4}$ sec. 11, T. 8 S., R. 1 E.
No measurements made in 1945.

Ac-78 (*1019, p. 24). Walter Bruner. NW $\frac{1}{4}$ sec. 13, T. 8 S., R. 1 E.
No measurements made in 1945.

Ac-82 (*1019, p. 24). B. F. Link. NW $\frac{1}{4}$ sec. 24, T. 8 S., R. 1 E.
No measurements made in 1945.

Ac-89 (*1019, p. 24). Leonard Travis. NW $\frac{1}{4}$ sec. 29, T. 8 S., R. 1 E.
No measurements made in 1945.

Ac-94 (*1019, p. 24). J. B. Stakes. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 8 S., R. 1 E.
No measurements made in 1945.

Ac-104 (*886, p. 234; 1019, p. 25). Hanle Hartwell. SW $\frac{1}{4}$ sec. 2,
T. 9 S., R. 1 E.

Water level, in feet below land-surface datum, 1945

Sept. 12	46.53	Nov. 8	41.03	Dec. 13	39.00
Oct. 10	45.26	27	40.05		

Ac-115 (*1019, p. 25). C. A. Savoy. South corner of irregular
sec. 77, T. 8 S., R. 2 E.

Water level, in feet below land-surface datum, 1945

July 19	63.99	Oct. 10	58.38	Nov. 26	36.90
Sept. 12	61.27	Nov. 8	56.43	Dec. 13	51.71

Ac-117 (*1019, p. 25). David Bergeron. SE $\frac{1}{4}$ sec. 7, T. 8 S., R. 3 E.
No measurements made in 1945.

Ac-118 (*1019, p. 25). C. J. Thibodeau. NW $\frac{1}{4}$ sec. 23, T. 8 S., R. 2 E.
No measurements made in 1945.

Ac-119 (*1019, p. 25). W. S. Bruner Estate. SE $\frac{1}{4}$ sec. 15, T. 8 S.,
R. 2 E. No measurements made in 1945.

Ac-123 (*1019, p. 25). Clovis Thibodeau. SW $\frac{1}{4}$ sec. 16, T. 8 S., R. 2 E.
No measurements made in 1945.

Ac-124 (*1019, p. 25). Walt Bruner. NW $\frac{1}{4}$ sec. 63, T. 8 S., R. 2 E.
No measurements made in 1945.

Ac-128 (*1019, p. 25). Theodore Heiner. N $\frac{1}{2}$ sec. 17, T. 9 S., R. 2 E.
No measurements made in 1945.

Ac-135 (*1019, p. 26). Overy Arcenau. SW $\frac{1}{4}$ sec. 1, T. 9 S., R. 2 E.
No measurements made in 1945.

Ac-136 (*1019, p. 26). Holt & Cunningham. NW $\frac{1}{4}$ sec. 60, T. 8 S.,
R. 2 E. No measurements made in 1945.

Ac-137 (*1019, p. 26). Kennedy Estate. SE $\frac{1}{4}$ sec. 48, T. 8 S., R. 3 E.
No measurements made in 1945.

Ac-138 (*1019, p. 26). Walter Larcade. NW $\frac{1}{4}$ sec. 34, T. 8 S., R. 3 E.
Water levels, in feet below land-surface datum, 1945: July 19, 43.74;
Sept. 11, 42.46.

Ac-139 (*886, p. 234; 1019, p. 26). Emile Petitjean. SE $\frac{1}{4}$ sec. 13,
T. 9 S., R. 2 E. No measurements made in 1945.

Ac-140 (*1019, p. 26). Albert Hains. NW $\frac{1}{4}$ sec. 25, T. 9 S., R. 2 E.
No measurements made in 1945.

Ac-142 (*1019, p. 26). John Hoffpauir. NW $\frac{1}{4}$ sec. 8, T. 10 S., R. 2 E.
No measurements made in 1945.

Ac-143 (*1019, p. 27). Earl Jeffers. NW $\frac{1}{4}$ sec. 19, T. 10 S., R. 2 E.
No measurements made in 1945.

Ac-144 (*1019, p. 27). J. W. Adcock. SE $\frac{1}{4}$ sec. 39, T. 10 S., R. 2 E.
No measurements made in 1945.

Ac-145 (*886, p. 234; *1019, p. 27). A. F. Horn. NW $\frac{1}{4}$ sec. 11, T. 10 S.,
R. 1 E. No measurements made in 1945.

Ac-147 (*886, p. 235; 1019, p. 27). Ed Faulk. SW $\frac{1}{4}$ sec. 34, T. 10 S.,
R. 1 E. Water levels, in feet below land-surface datum, 1945: Nov. 9,
20.90; Nov. 27, 20.26; Dec. 14, 19.65.

Ac-148 (*1019, p. 27). L. A. Habetz. NE $\frac{1}{4}$ sec. 4, T. 10 S., R. 2 E.
No measurements made in 1945.

Ac-149 (*1019, p. 27). Z. N. Dupont. SE $\frac{1}{4}$ sec. 8, T. 10 S., R. 2 E.
No measurements made in 1945.

Ac-152 (*886, p. 235; 1019, p. 27). L. W. Hoyt. NW $\frac{1}{4}$ sec. 4, T. 11 S.,
R. 1 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 20	26.47	Nov. 9	20.23	Dec. 14	18.82
Oct. 11	21.70	27	19.50		

Ac-156 (*1019, p. 28). Louisiana Irrigation Co. NW $\frac{1}{4}$ sec. 10, T. 10 S., R. 2 E. No measurements made in 1945.

Ac-157 (*1019, p. 28). Henry Habetz. SE $\frac{1}{4}$ sec. 4, T. 10 S., R. 2 E. No measurements made in 1945.

Ac-158 (*1019, p. 28). Plattsmier-Hulin, Inc. SW $\frac{1}{4}$ sec. 4, T. 10 S., R. 2 E. No measurements made in 1945.

Ac-159 (*1019, p. 28). Lenet. SW $\frac{1}{4}$ sec. 4, T. 10 S., R. 2 E. No measurements made in 1945.

Ac-163 (*1019, p. 28). Gerard Hoffpauir. SW $\frac{1}{4}$ sec. 54, T. 10 S., R. 1 W. No measurements made in 1945.

Ac-174 (*1019, p. 28). S. L. Wright. NW $\frac{1}{4}$ sec. 19, T. 10 S., R. 1 E. No measurements made in 1945.

Ac-175 (*886, p. 235; 909, p. 17; 947, p. 21; 989, p. 23; 1019, p. 28). Leon P. Lapleau. North line sec. 46, T. 10 S., R. 2 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 20	22.54	Oct. 11	17.64	Nov. 27	15.05
Sept. 12	19.98	Nov. 9	15.85	Dec. 14	14.12

Ac-176 (*1019, p. 28). W. E. Lawson Estate. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 10 S., R. 1 E. No measurements made in 1945.

Ac-177 (*1019, p. 28). Davis Doudreaus. Sec. 30, T. 10 S., R. 2 E. No measurements made in 1945.

Ac-179 (*886, p. 235; 909, p. 30; 939, p. 17; 947, p. 21; 989, p. 23; 1019, p. 28). Dr. F. N. Hyes. NW $\frac{1}{4}$ sec. 34, T. 8 S., R. 1 W.

Water level, in feet below land-surface datum, 1945

Sept. 12	46.15	Nov. 8	40.55	Dec. 13	33.34
Oct. 10	42.95	27	39.43		

Ac-180 (*1019, p. 29). Chas. Houssiere. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 8 S., R. 1 W. No measurements made in 1945.

Ac-181 (*1019, p. 29). Lozen Leger. SE $\frac{1}{4}$ sec. 9, T. 10 S., R. 2 E. No measurements made in 1945.

Ac-184 (*1019, p. 29). Glassell & Glassell. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 42, T. 9 S., R. 2 W. No measurements made in 1945.

Ac-185 (*1019, p. 29). Walter Larcade. SW $\frac{1}{4}$ sec. 23, T. 9 S., R. 2 E. No measurements made in 1945.

Ac-188 (*1019, p. 29). Jules Baronet. SE $\frac{1}{4}$ sec. 9, T. 10 S., R. 1 E.

Water level, in feet below land-surface datum, 1945.

July 20	40.04	Oct. 11	29.18	Nov. 27	26.56
Sept. 12	31.78	Nov. 9	27.40	Dec. 14	25.81

Ac-189 (*1019, p. 29). Onezie Vincent. NW $\frac{1}{4}$ sec. 15, T. 10 S., R. 1 E. No measurements made in 1945.

Ac-196 (*1019, p. 29). W. P. Gray. SW $\frac{1}{4}$ sec. 15, T. 9 S., R. 1 W. No measurements made in 1945.

Ac-197 (*1019, p. 29). Albert Thibodeau. NE $\frac{1}{4}$ sec. 29, T. 9 S., R. 2 W. No measurements made in 1945.

Allen Parish

Al-1 (*886, p. 235; 909, p. 30). R. R. McClelland. SE $\frac{1}{4}$ sec. 35, T. 6 S., R. 3 W. No measurements made in 1945.

Al-2 (*1019, p. 30). Town of Oakdale. NW $\frac{1}{4}$ sec. 10, T. 3 S., R. 3 W., in Oakdale, at water tower. No measurements made in 1945.

Al-7 (*909, p. 30; 939, p. 17; 947, p. 21; 989, p. 23; 1019, p. 30). M. Carroll. NW $\frac{1}{4}$ sec. 36, T. 4 S., R. 4 W. Water levels, in feet below land-surface datum, 1945: Sept. 20, 48.16; Oct. 9, 47.80; Nov. 7, 47.58; Dec. 11, 47.59.

Al-11 (*1019, p. 30). Onezie Vincent. SE $\frac{1}{4}$ sec. 8, T. 5 S., R. 3 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 10	54.16	Oct. 9	50.66	Dec. 11	50.46
Sept. 14	51.22	Nov. 7	50.49		

Al-15 (*1019, p. 30). Ben Daigle. SW $\frac{1}{4}$ sec. 27, T. 5 S., R. 3 W. Water levels, in feet below land-surface datum, 1945: Sept. 14, 53.37; Oct. 9, 53.19; Nov. 7, 53.17; Dec. 11, 53.27.

Al-16 (*909, p. 31; 939, p. 17; 947, p. 21; *989, p. 23; 1019, p. 30). Mr. Lausanne. SE $\frac{1}{4}$ sec. 22, T. 5 S., R. 4 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 8	39.58	Oct. 9	39.50	Dec. 11	39.47
Sept. 14	39.61	Nov. 7	39.39		

Al-17 (*909, p. 31; 939, p. 17; 947, p. 21; *989, p. 23; 1019, p. 30). Town of Kinder. Near south wall of waterworks building, in Kinder.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Mar. 2	33.15	Sept. 14	35.23	Nov. 7	34.95
Aug. 9	34.88	Oct. 9	35.18	Dec. 11	34.68

Al-18 (*1019, p. 30). Fred Rostom. NE $\frac{1}{4}$ sec. 6, T. 6 S., R. 4 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 10	30.39	Oct. 29	30.29	Dec. 11	30.29
Sept. 14	30.30	Nov. 7	30.13		

Al-20 (*1019, p. 31). C. I. Kuntz. SW $\frac{1}{4}$ sec. 14, T. 7 S., R. 5 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 9	39.18	Oct. 9	39.09	Dec. 11	38.16
Sept. 14	39.55	Nov. 7	38.53		

Al-21 (*1019, p. 31). Frank Odom. NE $\frac{1}{4}$ sec. 28, T. 6 S., R. 4 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 26	38.33	Oct. 9	38.17	Dec. 7	37.89
Sept. 13	38.37	Nov. 7	38.03		

Al-22 (*1019, p. 31). Frank Odom. SW $\frac{1}{4}$ sec. 20, T. 6 S., R. 4 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 26	33.11	Oct. 9	33.26	Dec. 11	33.01
Sept. 13	33.40	Nov. 7	33.08		

Al-29 (*909, p. 31; 939, pp. 17, 18; 947, p. 21; *989, p. 24; 1019, p. 31). Calcasieu Sulphate Paper Co. In Elizabeth east of paper mill. Automatic water-stage recorder installed on Aug. 17, 1945.

A1-29--Continued.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	48.92	50.43	46.15	45.53
2	.....	49.06	49.81	46.20	45.55
3	.....	49.19	49.31	46.25	45.53
4	.....	49.31	48.92	46.32	45.42
5	.....	49.37	48.57	46.36	45.41
6	.....	49.39	48.19	46.38	45.41
7	.....	49.43	47.68	46.41	45.47
8	.....	49.46	47.28	46.43	45.46
9	.....	49.48	46.80	46.26	45.35
10	.....	49.49	46.43	46.08	45.17
11	.....	49.53	46.17	45.92	44.93
12	.....	49.57	45.99	45.82	44.65
13	.....	49.58	45.88	45.75	44.25
14	.....	49.60	45.81	45.70	43.82
15	.....	49.68	45.78	45.72	43.55
16	.....	49.81	45.85	45.73	43.37
17	47.56	49.94	45.93	45.74	43.26
18	47.58	50.08	46.01	45.75	43.05
19	47.62	50.20	46.07	45.77	42.95
20	47.53	50.30	46.12	45.72	43.02
21	47.64	50.39	46.16	45.65	43.12
22	47.71	50.48	46.15	45.55	43.23
23	47.82	50.56	46.05	45.51	43.32
24	47.92	50.63	45.99	45.51	43.34
25	48.02	50.70	45.87	45.51	43.11
26	48.16	50.76	45.84	45.51	42.83
27	48.28	50.82	45.90	45.52	42.64
28	48.41	50.83	45.98	45.47	42.59
29	48.53	50.79	46.03	45.45	42.68
30	48.68	50.77	46.10	45.52	42.74
31	48.80		46.15		42.77

A1-34. A. B. Finkey. SE $\frac{1}{4}$ sec. 12, T. 3 S., R. 3 W. Bored domestic well, diameter 6 inches, depth 29.5 feet. Measuring point, top north side wood curbing which is 2.4 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 22, 15.40; Dec. 3, 6.24.

A1-35. W. L. Greer. NE $\frac{1}{4}$ sec. 18, T. 3 S., R. 2 W. Dug domestic well, diameter 2.67 feet, depth 30 feet. Measuring point, top of board curbing which is 3.4 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 22, 26.44; Dec. 3, 26.67.

A1-36. Robert Johnson. NE $\frac{1}{4}$ sec. 14, T. 3 S., R. 3 W. Dug domestic well, diameter 2.6 feet, depth 33 feet. Measuring point, top south side of curbing which is 2.6 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 26, 5.84; Dec. 4, 5.20.

A1-37. Arthur Ballard. NE $\frac{1}{4}$ sec. 23, T. 3 S., R. 3 W. Dug domestic well, diameter 3.25 feet, depth 23 feet. Measuring point, top north side of curbing which is 3.2 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 26, 11.36; Dec. 24, 11.47.

A1-38. Timothy Ballard. SW $\frac{1}{4}$ sec. 24, T. 3 S., R. 3 W. Dug domestic well, diameter 2.6 feet, depth 19.75 feet. Measuring point, top north side of curbing which is 3.15 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 26, 9.67; Dec. 4, 10.49.

A1-39. L. J. Granger. NW $\frac{1}{4}$ sec. 25, T. 3 S., R. 3 W. Bored domestic well, diameter 6 inches, depth 54.4 feet. Measuring point, top south side of board curbing which is 3.45 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 26, 37.62; Dec. 4, 35.52.

A1-40. Industrial Lumber Co. NW $\frac{1}{4}$ sec. 8, T. 3 S., R. 3 W. Dug domestic well, diameter 4.4 feet, depth 16.4 feet. Measuring point, top north side of curbing which is 3.7 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 26, 8.22; Dec. 4, 10.58.

Al-41. Lucindy Rodriguez. NE $\frac{1}{4}$ sec. 29, T. 2 S., R. 3 W. Dug domestic well, diameter 2.6 feet, depth 14.75 feet. Measuring point, top north side of curbing which is 3.35 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 26, 5.33; Dec. 4, 3.55.

Al-42. Oak Hill Church. NW $\frac{1}{4}$ sec. 20, T. 2 S., R. 3 W. Driven public-supply well, diameter 1.25 inches, depth 18.35 feet. Measuring point, top inside edge of 1 $\frac{1}{2}$ -inch reducer which is 2.07 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 26, 12.01; Dec. 4, 10.87.

Al-43. S. P. McDaniel. NE $\frac{1}{4}$ sec. 32, T. 2 S., R. 4 W. Dug domestic well, diameter 3 feet, depth 35 feet. Measuring point, top south side of wood curbing which is 4.75 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 29, 25.45; Nov. 29, 25.55.

Al-44. Evans Cassiot. SE $\frac{1}{4}$ sec. 27, T. 3 S., R. 5 W. Dug domestic well, diameter 3 feet, depth 21.73 feet. Measuring point, north side brick curbing which is 2.45 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 29, 17.96; Dec. 4, 18.23.

Al-45. Mrs. Ada Campbell. NW $\frac{1}{4}$ sec. 34, T. 3 S., R. 5 W. Bored domestic well, diameter 7 inches, depth 50 feet. Measuring point, top north side of steel drum curbing which is 2.87 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 29, 3.76; Dec. 4, 2.31.

Al-46. Mrs. Ada Campbell. NW $\frac{1}{4}$ sec. 34, T. 3 S., R. 5 W. Dug stock well, diameter 3 feet, depth 27.28 feet. Measuring point, top east side of board curbing which is 2.27 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 29, 22.16; Dec. 4, 23.62.

Al-47. James M. Houston. NW $\frac{1}{4}$ sec. 33, T. 2 S., R. 5 W. Dug domestic well, diameter 2.7 feet, depth 43.40 feet. Measuring point, top west side of curbing which is 3.10 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 30, 36.26; Dec. 4, 36.49.

Al-48. H. B. Morrow. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 3 S., R. 5 W. Dug domestic well, diameter 3 feet, depth 47.75 feet. Measuring point, top west side of wood curbing which is 2.82 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 30, 38.91; Dec. 4, 38.23.

Al-49. Charles Morrow. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 3 S., R. 5 W. Bored stock well, diameter 6 inches, depth 46.45 feet. Measuring point, top southeast side of wood curbing which is 2.10 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Oct. 30, 29.95.

Al-50. G. A. Perkins. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 3 S., R. 6 W. Dug domestic and stock well, diameter 2.60 feet, depth 26.55 feet. Measuring point, top south side of cement curbing which is 2.70 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Oct. 30, 18.03; Dec. 4, 18.94.

Al-51. Harry D. Dear. NW $\frac{1}{4}$ sec. 36, T. 4 S., R. 4 W. Drilled irrigation well, diameter 8 inches, depth 250 + feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 3.12 feet. Water level, in feet below land-surface datum, 1945: Nov. 5, 48.38.

Al-52. J. M. Sonnier. NE $\frac{1}{4}$ sec. 1, T. 5 S., R. 4 W. Drilled irrigation well, diameter 10 inches, depth 232 feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 3.40 feet. Water level, in feet below land-surface datum, 1945: Nov. 5, 48.30.

Al-54. Kinder Canal Co. SE $\frac{1}{4}$ sec. 19, T. 5 S., R. 4 W. Drilled irrigation well, diameter 12 inches, depth 285 feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 4.13 feet. Water levels, in feet below land-surface datum, 1945: Nov. 6, 27.33; Dec. 10, 27.51.

Al-55. A. Adams. SW $\frac{1}{4}$ sec. 15, T. 5 S., R. 3 W. Drilled irrigation well, diameter 12 inches, depth 290 feet. Equipped with turbine pump. Measuring point, top of inside steel band on base of pump which is 0.50 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Nov. 6, 38.50.

Al-56. Eual Duplechain. SW $\frac{1}{4}$ sec. 23, T. 5 S., R. 3 W. Drilled irrigation well, diameter 8 inches, depth 300 + feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.10 feet. Water levels, in feet below land-surface datum, 1945: Nov. 6, 51.44; Dec. 10, 51.51.

Al-57. Hillyer Deutsch Edwards. NE $\frac{1}{4}$ sec. 26, T. 5 S., R. 3 W. Drilled irrigation well, diameter 10 inches, depth 300 + feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 4.60 feet. Water level, in feet below land-surface datum, 1945: Nov. 13, 52.47.

Al-58. Hardwood Lumber Co. NE $\frac{1}{4}$ sec. 35, T. 5 S., R. 3 W. Drilled irrigation well, diameter 10 inches, depth 300 + feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 4.0 feet. Water level, in feet below land-surface datum, 1945: Nov. 13, 56.94.

Al-59. Soileau Corporation. NW $\frac{1}{4}$ sec. 36, T. 5 S., R. 3 W. Drilled irrigation well, diameter 10 inches, depth 250 feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.20 feet. Water level, in feet below land-surface datum, 1945: Nov. 20, 58.28.

Al-62. F. B. Odom. NW $\frac{1}{4}$ sec. 28, T. 6 S., R. 4 W. Drilled irrigation well, diameter 12 inches, depth 250 + feet. Equipped with turbine pump. Measuring point, bottom edge of discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.35 feet. Water level, in feet below land-surface datum, 1945: Nov. 14, 35.92.

Al-63. F. B. Odom. SW $\frac{1}{4}$ sec. 28, T. 6 S., R. 4 W. Drilled irrigation well, diameter 12 inches, depth 250 + feet. Equipped with turbine pump. Measuring point, hole in south side of pump base which is 1.0 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Nov. 14, 33.06.

Al-65. Matt Johnson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 6 S., R. 6 W. Dug domestic well, diameter 3 feet, depth 17.6 feet. Measuring point, top east side of wood curbing which is 3 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Nov. 15, 10.45.

Al-67. Mrs. J. L. LeBlanc. NW $\frac{1}{4}$ sec. 12, T. 6 S., R. 6 W. Dug domestic well, diameter 10 $\frac{1}{2}$ inches, depth 25 feet. Measuring point, north side of wood curbing which is 4.30 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Nov. 15, 21.09.

Al-71. Sonnier Cooperative Association. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 5 S., R. 3 W. Drilled irrigation well, diameter 10 inches, depth 251 feet. Equipped with turbine pump. Measuring point, bottom edge of discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.5 feet. Water level, in feet below land-surface datum, 1945: Nov. 20, 48.93.

Al-72. Fontenot Cooperative Association. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 5 S., R. 3 W. Drilled irrigation well, diameter 10 inches, depth 252 feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.30 feet. Water level, in feet below land-surface datum, 1945: Nov. 20, 54.50.

Al-73. Darbonne Corporation. SW $\frac{1}{4}$ sec. 17, T. 6 S., R. 3 W. Drilled irrigation well, diameter 10 inches, depth 253 feet. Equipped with turbine pump. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 8 feet. Water levels, in feet below land-surface datum, 1945: Nov. 20, 51.80; Apr. 9, 50.30.

Al-74. Granger Cooperative Association. SE $\frac{1}{4}$ sec. 2, T. 5 S., R. 4 W. Drilled irrigation well, diameter 10 inches, depth 250 + feet. Equipped with turbine pump. Measuring point, bottom edge of discharge pipe, the distance from measuring point to land-surface datum along pipe being 3.8 feet. Water levels, in feet below land-surface datum, 1945: Nov. 19, 44.37; Dec. 10, 45.54.

Al-76. H. E. Garlington. NE $\frac{1}{4}$ sec. 11, T. 3 S., R. 6 W. Bored domestic and stock well, diameter 7 inches, depth 36 feet. Measuring point, west side of board curbing which is 3.45 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Nov. 21, 28.92.

Al-80. Ezeikel Martin. NW $\frac{1}{4}$ sec. 24, T. 2 S., R. 6 W. Dug domestic and stock well, diameter 3 feet, depth 28.50 feet. Measuring point, west side of wood curbing which is 3.37 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Nov. 21, 7.52.

Al-81. Oswell Johnson. NE $\frac{1}{4}$ sec. 14, T. 3 S., R. 6 W. Dug domestic and stock well, diameter 3 feet, depth 26 feet. Measuring point, east side of cement curbing which is at land-surface datum. Water level, in feet below land-surface datum, 1945: Nov. 21, 17.46.

Al-84. Leon Manuel. SE $\frac{1}{4}$ sec. 19, T. 4 S., R. 2 W. Dug domestic well, diameter 3 feet, depth 36 feet. Measuring point, board on west side of curbing which is 2.40 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 6, 27.80.

Avoyelles Parish

Av 18 (*845, p. 146; 886, p. 236; 909, p. 31; 939, p. 18; 947, p. 22; *989, p. 24; 1019, p. 31). Heas Investment Co. On Shirley Plantation, on parish line, in sec. 28, T. 1 S., R. 2 E. No measurements made in 1945.

Beauregard Parish

Be-2 (*989, p. 24; 1019, p. 31). Southern Pacific Railway. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 6 S., R. 8 W. Water levels, in feet below land-surface datum, 1945: Sept. 20, 43.53; Oct. 9, 43.44; Nov. 8, 43.43; Dec. 12, 43.50.

Be-17 (*1019, p. 31). N. Knight. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 7 S., R. 9 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 9	42.30	Oct. 9	42.27	Dec. 12	42.60
Sept. 14	42.12	Nov. 8	42.50		

Calcasieu Parish

Cu-2 (*909, p. 32; 939, p. 18; 947, p. 22; *989, p. 24; 1019, p. 31). Town of Vinton. Westernmost of three air-lift wells at ice plant, in Vinton.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	5.48	June 5	6.87	Sept. 14	8.87	Nov. 8	7.52
Mar. 1	4.26	July 25	6.94	Oct. 10	8.90	Dec. 12	7.58
Apr. 25	4.06	Aug. 8	9.12				

Cu-5 (*909, p. 32; 939, p. 18; 947, p. 22; *989, p. 24; 1019, p. 31).
Jim Turner. SE $\frac{1}{4}$ sec. 8, T. 8 S., R. 8 W.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	7.77	May 4	7.36	Aug. 3	8.27	Oct. 9	7.46
Mar. 8	7.51	June 5	9.31	9	7.69	Nov. 8	9.14
27	7.30	July 5	7.69	Sept. 14	7.38	Dec. 12	10.87

Cu-13 (*989, p. 24; 1019, p. 32). Magnolia Petroleum Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$
sec. 4, T. 10 S., R. 9 W.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.8	12.3	12.2	12.1	....	11.5	11.6	12.5	13.3	13.7	14.1	14.0
2	12.7	12.2	12.2	12.0	....	11.5	11.6	12.5	13.4	13.7	14.1	14.0
3	12.8	12.0	12.0	12.0	....	11.5	11.6	12.5	13.4	13.7	14.0	14.0
4	12.8	12.0	12.0	12.0	....	11.5	11.6	12.5	13.4	13.7	14.1	14.0
5	12.8	12.0	12.0	12.3	12.5	11.5	11.6	12.5	13.4	13.7	14.1	14.0
6	13.0	12.0	12.0	12.5	12.5	11.5	11.6	12.5	13.4	13.7	14.1	14.0
7	13.1	12.0	12.1	12.6	12.4	11.5	11.6	12.6	13.4	13.7	14.1	13.9
8	13.1	12.1	12.2	12.5	12.4	11.5	11.7	12.6	13.4	13.7	14.1	13.9
9	13.0	12.0	12.3	12.3	12.4	11.5	11.7	12.7	13.5	13.7	14.1	13.9
10	12.8	11.9	12.3	12.3	12.4	11.5	11.7	12.7	13.5	13.7	14.1	13.9
11	12.7	11.9	12.3	12.3	12.4	11.4	11.8	12.7	13.5	13.7	14.2	13.9
12	12.7	11.8	12.2	12.2	12.3	11.4	11.8	12.7	13.5	13.8	14.1	13.5
13	12.8	11.8	12.2	12.2	12.3	11.4	11.8	12.7	13.5	13.8	14.2	13.9
14	13.0	12.9	12.2	12.2	12.2	11.4	11.9	12.8	13.6	13.8	14.1	13.9
15	13.0	12.0	12.0	12.2	12.2	11.4	11.9	12.8	13.6	13.7	14.2	13.9
16	13.0	12.0	12.0	12.1	12.1	11.4	11.9	12.8	13.7	13.9	14.2	13.9
17	13.0	11.9	12.1	13.1	12.2	11.5	11.9	12.8	13.7	13.9	....	14.0
18	13.1	12.0	12.2	12.3	12.3	11.5	11.9	12.9	13.7	13.9	....	14.0
19	13.2	12.1	12.2	12.3	12.3	11.5	12.0	12.9	13.6	13.9	....	14.0
20	13.2	12.1	12.2	12.4	12.3	11.5	12.0	13.0	13.7	13.9	....	14.0
21	13.2	11.8	12.3	12.4	12.0	11.5	12.0	13.0	13.7	13.9	....	14.0
22	13.2	11.5	12.4	12.3	11.9	11.5	12.0	13.0	13.7	13.9	....	14.0
23	13.1	12.2	12.1	12.2	11.9	11.5	12.0	13.0	13.7	13.9	....	14.0
24	....	12.3	12.1	12.1	11.9	11.5	12.0	13.0	13.7	13.9	14.2	14.0
25	....	12.3	12.0	12.0	11.8	11.5	12.1	13.1	13.8	13.9	14.2	14.0
26	....	12.1	12.1	12.0	11.7	11.5	12.2	13.1	13.8	14.0	14.1	14.0
27	....	12.0	12.2	12.1	11.7	11.5	12.2	13.1	13.8	14.0	14.1	13.9
28	....	12.1	12.2	....	11.6	11.5	12.2	13.1	13.8	14.1	14.1	13.9
29	....	....	12.3	....	11.7	11.5	12.2	13.2	13.7	14.1	14.1	13.9
30	....	....	12.2	....	11.6	11.6	12.3	13.2	13.7	14.2	14.1	13.9
31	12.3	....	12.2	....	11.6	....	12.4	13.3	....	14.1	....	13.9

Cu-18 (*989, p. 24; 1019, p. 32). W. T. Burton. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20,
T. 10 S., R. 9 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 30	34.20	Apr. 25	33.45	July 25	33.58
Mar. 1	33.85	June 5	32.40		

Cu-19 (*989, p. 25; 1019, p. 32). Bell Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10,
T. 10 S., R. 10 W. Water-stage recorder installed Nov. 23, 1945. Daily
noon water levels after that date from recorder charts.

Cu-19--Continued.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	15.41	Nov. 25	20.1	Dec. 8	19.4	Dec. 20	19.1
Mar. 2	15.17	26	20.1	9	19.4	21	19.1
Apr. 25	14.45	27	20.1	10	19.4	22	19.1
June 5	18.17	28	20.1	11	19.4	23	19.2
July 25	18.40	29	20.0	12	19.3	24	19.1
Aug. 8	21.29	30	20.0	13	19.2	25	19.1
Sept. 14	22.26	Dec. 1	19.9	14	19.2	26	19.1
Oct. 10	20.63	2	19.9	15	19.2	27	19.0
24	20.54	3	19.8	16	19.2	28	19.0
31	20.25	4	19.7	17	19.2	29	19.0
Nov. 8	19.98	5	19.7	18	19.1	30	19.0
16	19.55	6	19.6	19	19.1	31	19.0
24	20.2	7	19.5				

Cu-21. Continental Oil Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 10 S., R. 9 W. Unused drilled industrial well, diameter 4 inches, depth 265 feet. Measuring point, top inside edge of 4-by 2-inch bushing in 4-inch tee, 2.6 feet above land-surface datum.

Water level, in feet below land-surface datum, 1943, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1943	26.17	Oct. 31, 1945	33.27	Dec. 7, 1945	32.04
Apr. 20	26.00	Nov. 16	31.72	15	32.37
Sept. 10	30.63	23	31.15	22	32.53
Oct. 24, 1945	33.80	30	31.60	29	32.55

Cu-22 (*989, p. 25; 1019, p. 32). Magnolia Petroleum Co. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 10 S., R. 9 W.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.6	15.6	17.3	....	17.1	....	....	25.3	26.6	22.8	21.9	20.1
2	18.4	15.6	17.3	....	17.2	....	....	....	26.6	22.6	21.9	20.1
3	18.1	15.6	17.5	....	17.6	....	....	....	26.3	22.6	21.9	20.1
4	18.1	15.8	....	....	17.7	....	....	....	26.2	22.4	22.0	19.9
5	18.0	15.6	....	....	17.6	....	....	....	26.2	22.2	21.7	19.8
6	17.7	15.7	....	....	17.7	....	23.8	....	26.3	22.5	21.6	19.7
7	17.7	15.5	....	....	17.4	22.0	24.0	....	26.3	22.7	21.6	19.4
8	17.7	15.6	....	....	17.6	22.1	24.0	25.2	26.3	22.7	21.4	19.3
9	17.7	15.5	....	....	17.5	22.2	23.9	25.2	26.2	23.0	21.3	19.3
10	17.7	15.5	....	....	17.4	22.3	23.7	25.2	26.2	23.1	21.2	19.3
11	17.6	15.5	....	....	17.5	22.0	23.6	25.3	26.2	23.1	21.0	19.4
12	17.4	15.5	....	....	17.5	22.2	23.6	25.5	26.2	23.1	20.7	19.4
13	17.2	15.5	....	....	17.5	22.2	23.5	25.8	26.2	23.1	20.6	19.2
14	16.9	15.5	....	....	17.5	22.0	23.5	26.1	26.2	23.2	20.7	18.9
15	16.7	15.5	....	....	17.3	22.1	23.4	26.2	26.0	23.3	20.7	19.1
16	16.6	15.5	....	....	17.5	22.0	23.4	26.5	25.6	23.2	20.5	19.4
17	16.5	15.5	....	....	17.8	22.0	23.2	26.6	25.6	....	20.6	19.4
18	16.0	15.5	....	....	18.1	22.0	23.1	26.6	25.2	....	20.7	19.0
19	16.1	15.5	....	....	18.4	22.2	....	26.6	24.9	....	20.6	19.3
20	16.0	15.5	....	....	18.6	....	....	26.6	24.6	....	20.4	19.4
21	15.8	15.5	....	....	18.7	....	....	26.6	24.4	....	20.5	19.5
22	15.8	15.9	....	....	19.0	....	....	26.6	24.3	....	20.5	19.6
23	15.8	16.2	....	....	19.4	....	....	26.6	24.2	....	20.5	19.4
24	15.8	16.4	....	....	19.6	....	....	26.6	24.1	....	20.4	19.3
25	15.8	16.6	....	16.4	19.8	....	25.0	26.6	24.0	22.4	20.4	19.4
26	15.8	16.7	....	16.7	20.0	....	25.0	26.6	23.8	22.5	20.3	19.4
27	15.7	16.9	....	16.9	20.2	....	25.0	26.7	23.5	22.4	20.3	19.3
28	15.6	17.3	....	16.8	20.4	....	25.1	26.7	23.3	22.3	20.3	19.4
29	15.6	....	....	17.1	....	....	25.3	26.8	23.2	22.2	20.1	19.4
30	15.6	....	....	17.2	....	....	25.3	26.8	23.0	22.1	20.1	19.2
31	15.6	....	....	....	....	....	25.3	26.7	....	22.1	....	19.3

Cu-25 (*1019, p. 33). Lake Charles Country Club. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 10 S., R. 9 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 26	30.11	Oct. 10	27.50	Dec. 13	23.95
Sept. 13	30.26	Nov. 8	26.02		

Cu-34. Gulf States Utilities. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 9 S., R. 8 W. about 100 feet from Calcasieu River, behind water plant, on north Ryan Street, in Lake Charles. Measuring point, top of 8-inch casing at land-surface datum. Water level, in feet below land-surface datum, 1943: Jan. 19, 4.03; Apr. 20, 5.96; Sept. 9, 15.07. Recorder installed Nov. 16, 1945.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 17	15.2	Nov. 28	15.3	Dec. 9	14.4	Dec. 21	14.1
18	15.3	29	14.6	10	15.6	22	14.9
19	15.4	30	15.2	11	14.7	23	14.7
20	15.3	Dec. 1	14.3	12	15.3	24	15.0
21	15.2	2	15.0	13	14.6	25	15.0
22	15.5	3	15.1	14	15.5	26	15.1
23	15.4	4	15.5	16	14.1	27	15.1
24	15.2	5	15.6	17	13.9	28	15.3
25	15.1	6	15.5	18	14.7	29	15.2
26	15.2	7	15.5	19	14.2	30	15.0
27	15.3	8	14.6	20	15.4	31	14.5

Cu-42 (*1019, p. 33). Long-Bell Lumber Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 9 S., R. 8 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Aug. 8	26.65	Oct. 9	24.33	Dec. 11	21.27
Sept. 14	27.55	Nov. 8	22.74		

Cu-56 (*1019, p. 33). Cable Lodges. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 9 S., R. 9 W. No measurements made in 1945.

Cu-59 (*989, p. 25; 1019, p. 33). Thomas Simmons. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 9 S., R. 9 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 23	70.37	June 5	66.55	Nov. 16	61.73
Mar. 8	70.68	July 5	78.82	23	65.72
27	70.14	Aug. 3	68.71	30	68.17
May 4	70.04	Oct. 31	67.98	Dec. 7	69.49
				29	69.84

Cu-115 (*1019, p. 33). Krause & Managan. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 9 S., R. 10 W. Water levels, in feet below land-surface datum, 1945: Jan. 23, 3.65; Mar. 8, 3.47; Mar. 27, 3.31.

Cu-120 (*989, p. 25; 1019, p. 34). Mathieson Alkali Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 11 S., R. 10 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.67	June 5	6.38	Sept. 14	11.70
Mar. 2	7.41	July 25	10.48	Oct. 10	10.60
Apr. 25	6.43	Aug. 8	11.03	Dec. 12	10.78

Cu-125 (*1019, p. 34). Cooper Patterson. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 10 S., R. 10 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Aug. 9	37.50	Oct. 10	22.84	Dec. 12	20.78
Sept. 14	24.95	Nov. 8	21.99		

Cu-128 (*1019, p. 34). W. D. Jones. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 9 S., R. 8 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 23	16.54	May 4	13.75	Aug. 3	20.56
Mar. 8	16.34	June 5	14.97	8	20.82
27	16.19	July 5	20.07	Sept. 13	21.53
				Dec. 11	16.85

Cu-133 (*1019, p. 34). Shell Petroleum Co. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 9 S., R. 7 W. No measurements made in 1945.

Cu-147 (*1019, p. 34). J. S. Metzger. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 10 S., R. 6 W. No measurements made in 1945.

Cu-152 (*1019, p. 34). Bell City School. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 11 S., R. 6 W. Measurements discontinued.

Cu-161 (*1019, p. 34). Calcasieu -Marine National Bank. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 11 S., R. 7 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 25	23.67	Oct. 10	18.85	Dec. 13	15.43
Sept. 13	21.31	Nov. 9	17.12		

Cu-163 (*1019, p. 34). Stanolind Oil & Gas Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 11 S., R. 7 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 25	22.30	Oct. 10	20.94	Dec. 13	18.24
Sept. 13	22.67	Nov. 8	19.74		

Cu-170 (*989, p. 25; 1019, p. 34). A. L. Gayle. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 11 S., R. 7 W. No measurements made in 1945.

Cu-175 (*1019, p. 34). L. G. Wittler. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 11 S., R. 8 W. No measurements made in 1945.

Cu-205 (*1019, p. 35). Frank Gibson. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 8 S., R. 8 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Aug. 8	23.28	Oct. 9	22.24	Dec. 12	15.87
Sept. 14	23.30	Nov. 8	16.89		

Cu-215 (*1019, p. 35). Newport Industries. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 7 S., R. 10 W. No measurements made in 1945.

Cu-222 (*989, p. 26; 1019, p. 35). Hardy Johnson. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 9 S., R. 13 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 30	4.39	June 5	5.00	Sept. 14	5.94
Mar. 1	4.24	July 25	5.09	Oct. 10	5.53
Apr. 25	4.08	Aug. 9	6.36	Nov. 8	5.40
				Dec. 12	4.74

Cu-228 (*1019, p. 35). R. Boyer. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 9 S., R. 12 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 9	18.27	Oct. 10	15.01	Dec. 12	13.91
Sept. 14	16.65	Nov. 8	14.44		

Cu-240 (*1019, p. 35). Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 9 S., R. 11 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 8	14.08	Oct. 9	13.34	Dec. 12	12.05
Sept. 14	14.40	Nov. 8	12.76		

Cu-245. W. R. Keever. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 8 S., R. 10 W. Unused drilled irrigation well, diameter 24 inches, depth unknown. Measuring point, top of 24-inch pit casing, at land-surface datum.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 9	8.20	Oct. 9	8.30	Dec. 12	7.44
Sept. 14	8.64	Nov. 8	3.07		

Cu-262 (*1019, p. 35). Calcasieu Parish School Board. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 11 S., R. 10 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Aug. 8	11.74	Oct. 10	11.19	Dec. 12	10.14
Sept. 14	12.13	Nov. 8	10.78		

Cu-267 (*1019, p. 35). Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 11 S., R. 8 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	15.31	May 4	13.87	July 25	17.29	Oct. 10	17.43
Mar. 8	15.05	June 5	14.28	Aug. 3	16.25	Nov. 8	17.13
27	14.89	July 5	15.89	Sept. 13	17.80	Dec. 13	17.15

Cu-440 (*1019, p. 35). Owner unknown. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 10 S., R. 8 W. No measurements made in 1945.

Cu-445. U. S. Dept. of Commerce, War Assets Administration. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 10 S., R. 9 W., 0.25 mile east of main gate of Defense Plants Corporation butadiene plant. Unused drilled industrial well, diameter 18 inches, depth about 500 feet. Measuring point, top side of board floor of recorder shelter 0.08 foot above top of 18-inch pit casing and 1.8 feet above land-surface datum. Automatic water-stage recorder installed Oct. 17, 1945.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 19	40.8	Nov. 12	36.3	Nov. 29	34.8	Dec. 16	34.4
20	40.6	13	36.4	Dec. 1	34.5	17	33.9
24	39.9	14	35.9	2	34.7	18	33.3
25	40.0	15	36.0	3	33.7	19	33.8
28	39.9	16	36.1	4	33.1	20	34.6
29	39.6	17	36.3	5	33.5	21	35.0
30	39.7	18	36.4	6	33.0	22	34.4
31	39.7	19	36.3	7	32.7	23	34.1
Nov. 1	37.6	20	36.2	8	33.9	24	34.0
2	37.8	21	35.5	9	33.7	25	34.0
5	37.7	22	35.5	10	34.0	26	33.9
6	37.5	23	35.5	11	33.7	27	33.9
7	37.6	24	35.5	12	33.4	28	33.8
8	37.6	25	35.1	13	33.4	29	33.9
9	37.9	26	35.6	14	33.3	30	33.3
10	36.4	27	35.3	15	33.5	31	33.7
11	35.9	28	34.7				

Cu-446. U. S. Dept. of Commerce, War Assets Administration. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 10 S., R. 9 W., 170 feet east of well Cu-445. Unused drilled industrial well, diameter 18 inches, depth about 700 feet. Measuring point, top of board floor of recorder shelter, 0.08 foot above top of 18-inch pit casing and 1.8 feet above land-surface datum. Automatic water-stage recorder installed Oct. 24, 1945.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 25	33.3	Nov. 11	31.6	Nov. 28	32.3	Dec. 15	30.6
26	33.4	12	32.0	29	32.2	16	30.8
27	33.3	13	32.0	30	32.1	17	30.5
28	33.2	14	32.1	Dec. 1	31.8	18	30.4
29	33.1	15	32.4	2	31.8	19	30.6
30	33.1	16	33.0	3	31.7	20	31.1
31	32.8	17	33.5	4	31.1	21	32.0
Nov. 1	32.6	18	33.7	5	31.0	22	31.9
2	32.5	19	34.0	6	30.8	23	31.1
3	32.5	20	34.0	7	29.0	24	30.9
4	32.4	21	33.9	8	30.0	25	30.9
5	32.2	22	33.7	9	30.3	26	31.0
6	32.0	23	33.5	10	30.6	27	30.9
7	32.1	24	33.4	11	30.7	28	30.7
8	31.6	25	33.3	12	30.5	29	30.7
9	31.6	26	32.1	13	30.3	30	30.6
10	31.6	27	32.3	14	30.4	31	30.8

Cu-448. Town of Maplewood. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 9 S., R. 9 W., about 300 feet southeast of elevated tank. Measuring point, top inside edge of 0.5 inch nipple in base plate of pump, 2.5 feet above land-surface datum.

Water level, in feet below land-surface datum, 1945							
Oct. 31	28.45	Nov. 23	26.75	Dec. 7	26.34	Dec. 22	27.30
Nov. 16	26.90	30	27.42	15	27.07	29	27.08

Cameron Parish

Cn-4. Union Sulphur Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 12 S., R. 10 W., between the Texas Co.'s field office and Black Bayou, at Hackberry. Unused drilled industrial well, diameter 6 inches, depth unknown. Measuring point, top inside edge of well casing at coupling face, 1.90 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Sept. 28, 3.78; Oct. 10, 3.61; Nov. 8, 3.87; Dec. 12, 4.13.

Cn-8. (*989, p. 26; 1019, p. 35). Broussard Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 12 S., R. 9 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 25	6.66	Oct. 10	5.92	Dec. 13	4.88
Sept. 13	6.64	Nov. 8	5.54		

Cn-10. Hebert, Helms & Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 12 S., R. 7 W., 7. miles south of Holmwood. Used drilled irrigation well, diameter 24 inches, depth 376 feet. Measuring point, lower inside lip of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 5.20 feet. Water levels, in feet below land-surface datum, 1945: Nov. 9, 9.81; Dec. 13, 8.66.

Cn-17. John Predia. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T. 15 S., R. 8 W., on north side of State Highway 1096, 5 miles west of Oak Grove. Drilled domestic well, diameter 4 inches, depth unknown. Measuring point, top edge of collar on 4-inch casing, 1.50 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 1, 2.79; Oct. 10, 2.94; Nov. 9, 3.18; Dec. 13, 3.03.

East Baton Rouge Parish

EB-4 (*1019, p. 35). Standard Oil Co. of New Jersey. N $\frac{1}{2}$ irregular sec. 44, T. 7 S., R. 1 W. At Baton Rouge refinery.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	175.4	161.8	154.1	138.6	127.8	127.6	174.6	190.4	192.6	184.9	149.9	138.2
2	173.1	161.1	153.1	138.0	.....	131.6	173.5	189.8	194.8	194.9	147.3	138.1
3	172.4	161.0	152.3	138.1	130.9	133.3	174.2	188.4	196.8	194.4	146.2	137.4
4	170.8	165.4	151.5	140.1	130.3	134.4	177.2	188.3	197.4	193.5	145.1	137.3
5	171.6	166.9	154.1	140.2	130.6	136.5	178.7	191.3	197.9	193.1	144.0	137.6
6	171.9	167.2	153.0	140.2	130.9	139.6	179.7	189.1	198.1	192.9	143.1	137.5
7	170.6	166.5	151.2	138.7	131.0	141.1	180.0	191.5	198.4	192.4	143.2	137.5
8	173.1	167.3	148.8	138.6	131.3	145.1	180.5	191.8	198.5	192.4	144.2	137.8
9	172.3	170.0	150.0	138.7	132.2	146.0	181.4	191.3	198.5	193.5	.....	138.9
10	173.1	172.8	147.8	137.8	132.9	146.6	181.1	190.5	198.7	198.3	149.7	140.2
11	173.3	173.9	146.2	137.2	133.4	149.7	181.9	189.8	193.3	192.6	148.3	140.7
12	171.4	174.6	144.6	136.2	132.9	154.6	183.0	189.3	191.8	179.0	147.6	138.3
13	171.6	175.4	145.0	137.2	132.9	160.2	180.5	190.6	193.4	175.4	145.0	140.2
14	170.1	174.1	145.3	138.0	133.0	161.1	180.0	190.3	193.8	174.3	143.4	137.7
15	169.8	170.7	145.2	137.9	133.1	164.4	182.3	190.8	195.0	172.8	143.7	.....
16	168.9	171.3	143.5	138.2	131.3	166.4	180.7	190.7	195.1	167.8	142.9	137.2
17	167.1	167.9	142.6	136.6	129.2	167.6	180.4	191.2	195.8	167.4	143.0	139.3
18	165.6	164.4	140.6	135.9	127.0	169.0	183.9	192.5	195.6	168.7	143.9	139.7
19	168.1	164.2	140.6	134.7	126.5	169.9	184.5	194.2	195.5	167.1	146.1	141.7
20	169.0	162.7	140.8	132.6	126.4	171.0	184.9	191.4	198.0	163.9	146.4	141.6
21	166.3	162.4	138.1	133.3	127.8	172.0	184.3	192.5	198.8	163.0	146.5	145.2
22	168.3	159.8	141.4	131.8	127.8	172.7	184.2	192.3	199.1	162.5	146.9	145.3
23	168.1	158.4	140.4	133.7	126.5	173.4	185.0	190.3	199.5	160.4	145.8	145.4
24	165.3	156.9	140.6	135.4	125.8	171.0	185.7	189.7	199.4	154.8	145.9	146.1
25	167.4	157.9	139.4	132.2	125.0	170.4	186.1	189.9	199.6	153.6	143.2	143.0
26	168.0	159.4	140.6	132.3	127.8	170.4	185.7	190.1	199.0	153.4	142.5	142.4
27	166.8	155.9	138.8	132.4	126.5	170.9	192.0	190.1	199.8	152.8	143.7	142.0
28	165.9	155.0	140.0	128.0	126.3	171.6	194.8	193.9	199.7	150.6	141.8	143.5
29	165.4		138.6	127.6	127.5	171.9	192.3	192.5	199.8	149.4	140.6	141.8
30	164.4		139.0	127.7	128.7	171.4	191.6	191.4	199.2	152.6	139.5	141.2
31	162.0		140.4		127.1		191.1	192.4		151.9		141.5

EB-9 (*1019, p. 36). Standard Oil Co. of New Jersey. N $\frac{1}{2}$ irregular sec. 44, T. 7 S., R. 1 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	190.3	Feb. 9	186.9	Mar. 9	166.8	Apr. 28	148.5
11	185.1	11	187.3	14	164.4	May 30	165.0
18	181.5	16	186.3	Apr. 7	143.9	June 11	182.8
25	179.6	23	174.2	14	143.0	July 9	201.9
Feb. 2	179.7	Mar. 2	171.6	21	146.0	Sept. 23	221.8

EB-10 (*1019, p. 36). Standard Oil Co. of New Jersey. N $\frac{1}{2}$ irregular sec. 44, T. 7 S., R. 1 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	198.8	Feb. 9	187.9	Mar. 9	168.7	Apr. 28	149.1
11	184.9	11	188.3	14	166.5	May 30	175.7
18	190.3	16	187.4	Apr. 7	145.3	June 11	192.8
25	189.3	23	175.8	14	145.3	July 9	200.7
Feb. 2	181.1	Mar. 2	173.9	21	148.5	Sept. 23	229.7

EB-15 (*909, p. 32; 939, p. 19; 947, p. 23; *989, p. 26; 1019, p. 37). Standard Oil Co. of New Jersey. At Baton Rouge refinery, southeast of tank 67.

EB-15--Continued.

Daily noon water level, in feet below land-surface datum, 1945

(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	169.4	156.6	150.7	131.6	126.3	134.8	170.8	185.8	184.7	187.0	145.1	139.2
2	167.1	156.7	149.9	130.9	128.4	135.7	170.1	185.3	185.9	185.9	144.0	138.5
3	166.4	156.1	149.3	130.7	128.5	136.1	171.2	182.8	187.3	185.6	142.9	137.4
4	165.7	157.0	148.6	.....	128.9	137.1	171.3	182.5	187.6	182.0	141.7	137.1
5	165.8	158.1	149.5	.....	129.5	138.8	171.7	183.6	187.4	184.5	140.5	138.3
6	164.8	157.5	149.0	.....	129.9	139.3	172.5	183.4	187.3	184.1	139.4	133.3
7	164.5	159.3	147.8	.....	130.1	140.2	171.2	184.1	187.3	183.7	142.3	138.6
8	164.9	159.9	146.2	.....	130.3	142.6	172.5	183.2	187.0	183.6	140.9	138.9
9	164.9	161.1	146.3	.....	131.2	144.3	173.2	183.8	187.2	184.2	141.2	139.3
10	165.5	163.2	144.8	.....	132.0	145.1	173.3	183.6	187.1	181.8	145.2	138.6
11	165.1	164.3	141.5	.....	132.8	147.3	173.9	183.6	188.0	177.3	143.5	138.6
12	163.3	164.6	143.1	.....	132.9	151.6	174.7	183.4	185.6	170.2	142.7	138.7
13	162.8	165.6	141.3	.....	133.0	156.2	175.6	183.4	186.2	169.6	141.1	139.5
14	161.7	166.0	139.7	.....	133.2	158.0	175.5	183.0	186.6	164.4	140.6	138.8
15	161.2	166.2	142.9	.....	133.3	160.8	175.4	183.2	187.3	160.4	141.3	.....
16	161.2	165.2	141.5	.....	132.0	162.7	176.4	183.2	186.9	162.9	140.0	137.7
17	160.6	162.6	140.9	.....	131.8	164.1	176.7	184.1	187.3	162.1	142.1	136.9
18	160.2	160.0	140.3	.....	120.1	165.2	177.1	184.7	187.0	162.2	141.3	136.0
19	159.8	159.7	139.3	.....	127.2	166.3	178.0	184.5	187.1	162.0	144.3	133.8
20	159.4	159.1	139.5	.....	125.1	167.4	178.2	183.4	188.4	158.3	143.0	135.8
21	158.6	157.8	138.5	.....	125.0	168.3	178.4	183.6	188.6	156.9	143.1	135.6
22	158.5	157.1	139.0	.....	124.8	169.2	178.5	183.0	190.9	155.3	143.2	134.8
23	158.7	156.0	139.3	.....	124.0	169.9	178.8	185.1	189.5	152.7	141.7	134.2
24	158.0	153.9	138.7	.....	124.2	168.9	179.2	185.0	189.3	150.3	141.9	135.6
25	157.9	153.5	136.6	.....	123.8	168.7	179.0	185.2	189.4	149.9	142.0	.....
26	158.1	153.1	135.8	.....	124.7	168.5	180.7	185.5	189.5	149.0	141.9	.....
27	158.4	151.9	136.1	.....	130.3	168.8	184.3	185.7	193.3	148.0	141.9	.....
28	157.3	151.2	135.1	126.3	131.5	169.0	187.4	185.5	189.4	146.5	141.2	.....
29	156.8	133.3	126.5	135.7	169.4	186.9	185.2	189.0	145.7	140.1	.....	.....
30	156.2	133.3	126.1	134.3	169.6	186.8	184.2	188.6	144.9	140.1	133.4	.....
31	155.8	132.1	134.5	.....	.....	186.3	184.4	.....	145.5	.....	133.6	.....

EB-17 (*1019, p. 37). Standard Oil Co. of New Jersey. Irregular sec. 44, T. 7 S., R. 1 W., Baton Rouge refinery, west of No. 1 boilerhouse. No measurements made in 1945.

EB-20 (*1019, p. 37). Standard Oil Co. of New Jersey well 20. Irregular sec. 43, T. 7 S., R. 1 W.

Daily noon water level, in feet below land-surface datum, 1945

(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	176.4	164.3	153.6	135.9	128.3	127.5	179.2	193.9	194.9	196.9	150.7	142.6
2	174.4	163.6	152.6	135.4	130.7	134.3	134.3	193.5	198.0	199.1	149.7	143.3
3	173.0	163.7	151.9	135.5	128.4	136.5	178.9	192.7	199.6	198.5	148.6	142.8
4	172.7	166.7	151.0	136.9	131.1	137.1	180.8	192.8	199.6	197.7	147.2	142.6
5	172.8	167.9	152.5	136.8	131.5	139.6	182.6	194.5	200.6	196.8	146.0	143.0
6	173.0	168.5	151.9	136.8	131.8	142.5	183.2	193.3	200.6	.....	145.1	143.0
7	172.0	168.6	150.2	135.9	131.8	145.1	183.1	194.7	201.6	.....	145.9	143.1
8	173.7	169.4	149.3	135.9	132.4	150.5	183.7	194.7	201.2	.....	145.9	143.1
9	174.3	171.5	147.5	135.1	133.8	149.0	184.7	194.7	201.2	.....	145.7	143.4
10	175.3	173.5	146.3	135.2	134.6	150.4	184.3	193.8	201.9	.....	152.9	143.5
11	175.5	174.2	145.7	132.8	134.6	153.2	185.2	193.2	201.5	.....	149.5	144.1
12	173.0	174.5	144.1	132.0	135.8	157.8	186.7	193.0	197.3	.....	148.5	142.3
13	173.3	175.7	144.3	132.2	133.7	165.6	184.6	192.3	198.5	.....	146.9	142.5
14	176.2	174.6	144.7	132.7	133.8	166.4	184.2	191.5	198.4	.....	145.7	141.6
15	175.9	171.5	144.8	132.7	135.7	169.3	186.5	191.8	199.3	.....	145.8	.....
16	174.6	171.4	144.3	132.9	133.0	171.2	184.4	194.3	199.0	.....	145.3	140.3
17	173.3	167.2	143.6	124.3	131.8	172.3	184.3	195.2	199.9	.....	147.4	139.5
18	172.8	164.1	142.1	134.1	129.4	173.7	187.7	196.2	199.7	.....	146.9	139.5
19	168.0	163.4	141.4	133.2	129.6	174.6	188.4	197.1	199.5	.....	149.2	141.1
20	168.9	162.6	141.6	132.4	129.3	175.6	188.3	195.3	201.1	163.7	149.3	141.2
21	167.7	161.8	139.7	132.2	129.6	177.0	183.6	196.1	201.7	162.7	149.3	143.7
22	168.4	160.1	136.4	131.4	129.4	177.7	188.7	196.0	201.8	161.7	150.5	144.3

EB-20--Continued.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
23	168.3	158.9	140.2	132.1	128.6	178.4	188.9	195.0	202.3	159.7	148.8	144.2
24	166.9	157.3	140.0	134.0	128.6	177.2	189.1	194.5	202.1	155.7	148.6	143.9
25	167.6	157.1	139.4	132.8	128.0	176.7	189.5	195.0	203.1	154.7	146.3	142.2
26	167.9	157.0	138.6	132.2	129.3	176.6	189.7	195.2	202.0	154.7	145.9	141.6
27	167.4	155.4	138.6	132.7	129.2	176.6	196.7	195.3	202.6	153.7	147.4	141.2
28	167.0	154.9	137.4	129.2	129.3	177.3	198.7	197.6	202.4	151.7	147.0	141.7
29	166.7		142.0	128.8	130.9	177.7	195.7	197.1	202.3	150.7	145.8	145.1
30	165.3		136.4	128.7	130.6	177.4	194.8	196.2	201.7	149.7	143.7	144.5
31	164.5		135.5		130.4		194.1	196.6		151.7		144.8

EB-22 (*909, p. 33; 939, p. 19; 947, p. 23; *989, p. 26; 1019, p. 38).
Standard Oil Co. of Louisiana. At Baton Rouge refinery, southeast of tank 67.Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	166.8	156.4	.....	127.5	165.3	176.0	183.3	182.9	142.1	135.2
2	164.7	156.0	.....	127.8	163.9	176.1	183.8	183.9	141.4	135.2
3	162.9	154.0	125.3	127.8	165.6	175.8	184.9	183.8	140.8	135.1
4	162.6	156.3	125.0	128.0	167.0	176.3	185.0	183.2	139.4	135.3
5	161.7	157.6	125.3	130.0	168.3	177.5	185.6	182.9	137.3	136.6
6	162.3	158.1	125.5	131.9	169.3	176.6	185.5	182.9	136.6	136.3
7	161.9	158.7	125.7	133.3	169.4	177.6	185.4	182.4	137.4	137.0
8	162.4	159.4	125.9	134.8	169.8	177.3	185.5	182.4	137.3	136.9
9	163.2	161.3	126.8	138.2	170.0	177.1	185.5	185.1	137.3	137.4
10	164.3	161.1	127.5	141.7	170.3	176.5	185.6	180.8	141.2	136.9
11	164.4	162.2	127.5	144.5	171.2	176.3	185.5	173.7	138.6	137.1
12	162.1	162.1	127.1	147.8	172.5	176.1	180.0	170.0	137.7	136.8
13	162.2	163.1	127.0	152.0	173.2	178.0	182.8	167.0	136.8	136.5
14	160.5	164.3	127.2	152.6	172.4	178.2	183.3	166.0	139.6	136.4
15	160.2	160.3	127.1	154.2	174.0	178.5	185.1	162.6	136.7	.....
16	159.1	159.1	126.9	156.0	172.9	.....	184.9	160.3	139.4	135.6
17	157.9	154.8	124.5	157.5	173.2	.....	185.5	158.7	140.0	136.0
18	157.4	153.2	123.2	157.2	174.1	.....	185.7	155.8	140.5	135.8
19	157.6	152.6	122.3	159.0	174.4	.....	185.6	155.8	140.4	137.8
20	159.7	150.7	122.2	160.3	174.3	179.5	186.0	153.6	140.4	138.5
21	158.9	151.3	122.3	160.3	173.4	181.1	186.5	151.8	140.4	141.1
22	159.2	150.4	122.7	162.0	173.3	180.1	186.7	150.6	140.6	141.4
23	158.8	149.5	123.2	163.0	173.8	179.5	187.0	149.2	140.1	141.0
24	157.4	.....	122.9	163.2	174.3	179.1	186.0	146.9	140.1	139.7
25	158.0	.....	122.5	161.8	174.4	180.1	187.1	146.7	140.0	138.9
26	158.3	.....	125.9	163.0	175.3	180.4	185.6	145.0	140.2	137.2
27	157.5	.....	124.6	164.4	179.2	180.5	186.1	144.0	138.8	136.1
28	155.0	.....	126.9	166.7	182.7	181.7	186.0	143.6	138.4	135.8
29	154.9		127.5	166.0	178.8	182.0	185.3	142.3	137.4	136.1
30	153.5		127.4	165.3	176.4	181.6	184.5	142.3	136.1	135.9
31	155.5		127.6		176.2	183.0		142.8		136.1

EB-28 (*1019, p. 39). Standard Oil Co. of Louisiana well 28. At
Baton Rouge refinery, southwest of tank 177.Daily noon water level, in feet with reference to land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-4.3	-4.0	-2.2	-0.1	+0.5	-0.4	-0.5	-1.7	-3.5	-4.2	-4.1	-3.6
2	-4.3	-4.0	-2.1	-0.1	+0.6	-0.4	-0.3	-1.8	-3.5	-4.2	-4.1	-3.6
3	-4.4	-3.9	-2.0	-0.1	+0.4	-0.4	-0.3	-1.8	-3.4	-4.1	-4.1	-3.5
4	-4.5	-3.8	-2.0	-0.0	+0.3	-0.4	-0.3	-1.8	-3.4	-4.0	-4.1	-3.4
5	-4.7	-3.8	-2.8	-0.1	+0.3	-0.5	-0.4	-1.9	-3.5	-3.8	-4.1	-3.4
6	-4.5	-3.8	-2.8	0.0	+0.2	-0.6	-0.4	-1.9	-3.4	-3.7	-4.1	-3.5
7	-4.0	-3.8	-2.9	0.0	+0.1	-0.6	-0.4	-1.9	-3.5	-3.6	-4.1	-3.5
8	-4.0	-3.9	-2.8	+0.1	+0.1	-0.7	-0.4	-1.9	-3.6	-3.6	-4.1	-3.5
9	-3.9	-3.9	-1.7	+0.2	+0.1	-0.7	-0.5	-1.9	-3.6	-3.5	-4.1	-3.5

EB-28--Continued.

Daily noon water level, in feet with reference to land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
10	-3.9	-3.9	-1.7	+0.2	+0.1	-0.7	-0.6	-1.9	-3.7	-3.5	-4.1	-3.6
11	-3.8	-4.0	-1.6	+2	+1	-7	-6	-1.9	-3.7	-3.6	-4.1	-3.6
12	-3.8	-3.9	-1.4	+2	+2	-8	-7	-2.0	-3.6	-3.7	-4.1	-3.6
13	-3.7	-3.8	-1.3	+3	+3	-9	-7	-2.4	-3.5	-3.7	-4.1	-3.5
14	-3.7	-3.8	-1.2	+1	+2	-8	-8	-2.7	-3.6	-3.6	-4.1	-3.5
15	-3.7	-3.7	-1.1	+1	+2	-8	-8	-2.6	-3.9	-3.8	-4.1	....
16	-3.8	-3.6	-1.1	+2	+2	-7	-8	-2.6	-3.9	-3.8	-4.1	-3.6
17	-3.8	-3.5	-1.1	+2	+1	-6	-9	-2.8	-4.0	-3.9	-4.0	-3.6
18	-3.7	-3.5	-1.0	+2	.0	-6	-1.0	-2.8	-4.1	-3.9	-4.0	-3.4
19	-3.7	-3.5	-.9	+1	.0	-5	-1.1	-3.0	-4.1	-4.0	-3.9	-3.5
20	-3.9	-3.3	-.9	+1	.0	-5	-1.2	-3.0	-4.1	-4.0	....	-3.6
21	-3.8	-3.1	-.9	+2	.0	-5	-1.3	-3.4	-4.2	-4.0	....	-3.6
22	-3.7	-3.1	-.8	+3	.0	-5	-1.3	-3.9	-4.4	-4.0	....	-3.6
23	-3.8	-3.1	-.7	+3	-.2	-.4	-1.4	-3.8	-4.3	-4.1	....	-3.6
24	-4.0	-3.1	-.6	+4	-.1	-.4	-1.7	-3.7	-4.3	-4.2	....	-3.5
25	-3.9	-2.8	-.5	+4	-.1	-.4	-1.7	-3.6	-4.2	-4.1	....	-3.5
26	-3.8	-2.5	-.4	+4	-.1	-.4	-1.6	-3.4	-4.2	-4.2	....	-3.6
27	-3.8	-2.5	-.4	+4	-.3	-.4	-1.6	-3.4	-4.2	-4.3	....	-3.6
28	-3.8	-2.5	-.4	+4	-.3	-.4	-1.5	-3.4	-4.2	-4.3	....	-3.7
29	-3.8		-.4	+4	-.3	-.4	-1.6	-3.4	-4.2	....	....	-3.8
30	-3.9		-.4	+3	-.3	-.4	-1.6	-3.4	-4.2	....	....	-3.8
31	-3.9		-.3		-.3		-1.7	-3.5	....	....	....	-4.0

EB-45 (*909, p. 33; 939, p. 20; 947, p. 24; 989, p. 27; 1019, p. 39).
Standard Oil Co. of Louisiana. At Baton Rouge refinery, east well on dock approach.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	126.10	Mar. 14	98.48	June 30	123.29	Sept. 30	151.91
11	126.18	31	94.04	July 9	133.17	Oct. 7	144.40
18	121.58	Apr. 7	92.39	16	153.83	14	125.85
25	120.52	May 9	86.00	23	137.87	23	113.30
Feb. 2	116.37	10	87.07	Aug. 13	143.63	Nov. 2	104.03
9	122.20	15	88.13	20	145.63	13	99.60
11	126.72	30	82.63	25	143.46	20	98.50
16	125.04	June 4	87.63	Sept. 1	144.17	26	98.72
23	115.04	11	98.96	8	151.47	Dec. 3	92.49
Mar. 2	106.07	18	120.53	17	147.77	10	91.58
9	103.85	25	122.44	23	151.61	15	90.59

EB-51 (*1019, p. 39). Standard Oil Co. of Louisiana well 11. At Baton Rouge refinery. No measurements made in 1945.

EB-78 (*1019, p. 39). Solvay Process Co. Sec. 42, T. 7 S., R. 1 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 5	186.63	Jan. 19	180.28	Feb. 2	177.64
12	185.03	26	177.46	8	185.18
				Sept. 24	225.49

EB-83 (*989, p. 28; 1019, p. 39). Gulf States Utilities. In Baton Rouge, at power house on Government Street, about 20 feet west of west building and 50 feet from street curb. Water-stage recorder installed June 1, 1945.

Daily noon water level, in feet below land-surface datum, 1945										
May	31	a 4.98	July	10	11.3	July 17	12.0	July 24	12.8	
June	1	a 7.11		11	11.6		18	12.2	25	13.0
	8	a 7.86		12	11.6		19	12.6	26	13.2
	10	a 10.83		13	11.8		20	12.5	27	13.0
	25	a 10.07		14	11.6		21	12.3	28	12.9
July	2	a 10.10		15	10.6		22	11.6	29	12.5
	9	a 9.64		16	11.7		23	12.5	30	13.1

a Tape measurement at odd hour.

EB-83--Continued.

Daily noon water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 31	13.9	Sept. 2	18.0	Oct. 14	17.9	Nov. 10	20.2
Aug. 1	14.4	3	17.9	15	18.7	11	19.8
2	14.7	8	18.4	16	19.1	12	19.9
3	15.2	17	16.7	17	19.2	13	20.0
4	15.6	18	17.2	18	19.5	14	20.1
5	15.0	19	17.2	19	19.5	15	20.1
6	15.7	20	17.2	20	19.4	16	20.1
7	16.7	22	al8.36	21	17.9	17	20.0
14	17.3	23	16.9	22	18.3	18	19.7
15	16.8	24	17.4	23	18.6	19	19.8
16	16.3	25	18.3	24	18.8	20	19.9
17	15.2	28	al9.66	25	18.3	21	19.9
18	15.5	29	19.1	26	18.6	22	19.7
19	15.0	30	18.2	27	19.0	23	19.6
20	15.3	Oct. 1	18.8	28	17.8	24	19.4
21	16.3	2	19.3	29	18.1	25	18.9
22	16.7	3	19.3	30	18.6	26	19.2
23	16.9	4	19.2	31	18.9	27	19.4
24	17.3	5	19.4	Nov. 1	18.8	28	19.6
25	17.6	6	19.2	2	19.2	29	19.7
26	16.6	7	18.4	3	19.3	30	19.7
27	16.9	8	18.9	4	18.9	Dec. 23	al6.64
28	18.1	9	19.4	5	19.3	24	16.5
29	18.6	10	19.4	6	19.5	25	16.2
30	19.0	11	19.5	7	19.4	29	al6.12
31	19.2	12	19.6	8	19.5	30	14.8
Sept. 1	19.1	13	19.2	9	19.7	31	15.3

a Tape measurement at odd hour.

EB-84 (*989, p. 30; 1019, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in $W\frac{1}{2}$ sec. 74, T. 7 S., R. 1 E. Water level, in feet above land-surface datum, 1945: Apr. 9, 5.70.

EB-86 (*989, p. 30; 1019, p. 40). Baton Rouge Water Works Co. In Baton Rouge in sec. 74, T. 7 S., R. 1 E. Water level, in feet below land-surface datum, 1945: Apr. 9, 4.39.

EB-88 (*989, p. 30; 1019, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in $W\frac{1}{2}$ sec. 74, T. 7 S., R. 1 E. Water level, in feet below land-surface datum, 1945: Apr. 9, 3.27.

EB-89 (*989, p. 30; 1019, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in $W\frac{1}{2}$ in sec. 74, T. 7 S., R. 1 E. Water level, in feet above land-surface datum, 1945: Apr. 9, 4.30.

EB-90 (*989, p. 30; 1019, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in $W\frac{1}{2}$ in sec. 74, T. 7 S., R. 1 E. Water level, in feet below land-surface datum, 1945: Apr. 9, 3.84.

EB-91 (*989, p. 29; 1019, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in $W\frac{1}{2}$ sec. 74, T. 7 S., R. 1 E. Water level, in feet above land-surface datum, 1945: Apr. 9, 7.35.

EB-92 (*989, p. 29; 1019, p. 40). Baton Rouge Water Works Co. In Baton Rouge, in $W\frac{1}{2}$ sec. 74, T. 7 S., R. 1 E. Water level, in feet above land-surface datum, 1945: Apr. 9, 1.90.

EB-94 (*989, p. 29; 1019, p. 41). Baton Rouge Water Works Co. In Baton Rouge, in $W\frac{1}{2}$ sec. 74, T. 7 S., R. 1 E. Water level, in feet above land-surface datum, 1945: Apr. 9, 7.96.

EB-95 (*989, p. 29; 1019, p. 41). Baton Rouge Water Works Co. In Baton Rouge, well 4 at Lafayette Street station. Measurements discontinued.

EB-96 (*989, p. 29; 1019, p. 41). Baton Rouge Water Works Co. In Baton Rouge, well 112 at Lafayette Street station. Measurements discontinued.

EB-101 (*989, p. 31; 1019, p. 41). Suburban Water Co. In Baton Rouge, in sec. 41, T. 6 S., R. 1 W. Water level, in feet above land-surface datum, 1945: Apr. 9, 10.9.

EB-125 (*909, p. 34; 939, p. 21; 947, p. 25; 989, p. 31; 1019, p. 41). Peoples Ice & Fuel Co. In Baton Rouge, at 1931 Railroad Avenue.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	all 4.02	Feb. 2	al 08.55	Mar. 15	82.04	July 2	al 09.34
12	all 12.20	13	al 08.80	Apr. 7	a 88.07	Aug. 25	al 20.90
19	all 1.19	23	a 108.39	28	a 87.84	Sept. 24	al 23.39
26	all 0.33	Mar. 9	89.53				

a Nearby well pumping.

EB-128 (*909, p. 34; 939, p. 21; 947, p. 25; 989, p. 31; 1019, p. 41). Ice Service, Inc. In Baton Rouge, at 135 South 15th Street.

Daily noon water level, in feet below land-surface datum, 1945 (From recorder charts)												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	96.6	91.9	....	76.8	72.2	69.6	78.4	89.4	95.5	99.1	90.5	80.1
2	96.6	91.8	....	76.7	71.9	69.5	78.8	89.7	95.6	99.1	90.2	82.3
3	96.5	91.5	....	76.5	71.7	69.3	79.1	90.0	95.7	99.1	89.8	82.8
4	96.3	91.3	86.5	76.4	71.7	69.3	79.5	90.3	95.9	99.0	89.5	82.7
5	96.1	91.1	86.1	76.3	71.6	69.4	80.0	90.6	96.0	98.9	89.1	82.6
6	95.6	91.0	85.7	76.1	71.4	69.4	80.3	90.7	96.2	98.7	88.7	82.4
7	95.3	90.9	85.4	76.0	71.2	69.4	80.7	91.0	96.5	98.6	....	82.3
8	95.2	90.9	85.1	75.7	71.1	69.5	81.2	91.2	96.7	98.4	....	82.2
9	95.0	90.9	84.8	75.5	71.1	....	....	90.5	96.9	98.3	....	81.8
10	94.9	90.9	84.5	75.3	71.0	....	....	91.7	97.0	98.2	87.1	81.6
11	94.8	90.8	84.1	75.2	70.9	....	....	92.0	97.2	98.1	86.9	81.5
12	94.6	90.8	83.7	75.0	70.9	70.2	....	92.1	97.3	....	86.8	81.4
13	94.5	90.9	83.4	74.9	70.7	70.4	....	92.3	97.4	97.9	86.6	81.2
14	94.2	....	82.9	74.8	70.7	70.7	....	92.6	97.7	97.6	86.4	81.2
15	94.0	....	82.6	74.6	70.7	71.2	....	92.7	97.8	97.4	86.3	....
16	94.0	....	82.3	74.5	70.6	71.6	....	92.9	97.8	97.2	86.1	81.0
17	93.9	91.0	82.0	74.5	70.7	71.9	....	93.0	97.8	96.9	85.9	80.9
18	93.7	90.9	81.6	....	70.8	72.3	....	93.1	98.0	96.5	85.6	80.6
19	93.6	90.8	81.2	....	70.8	....	....	93.4	98.0	96.2	85.3	80.6
20	93.4	90.6	80.8	....	70.6	....	....	93.5	98.2	95.9	85.0	80.6
21	93.2	90.3	80.4	....	70.5	....	....	93.7	98.1	95.4	84.7	80.6
22	93.1	90.1	80.1	73.7	70.6	....	....	93.9	98.1	94.9	84.6	80.5
23	93.0	89.9	79.7	73.6	70.5	....	86.6	94.1	98.2	94.4	84.5	80.5
24	92.8	89.6	79.3	73.4	70.5	....	87.0	94.3	98.3	94.1	84.3	80.4
25	92.8	89.1	78.9	73.2	70.4	75.9	87.4	....	98.4	93.5	84.1	80.3
26	92.7	88.6	78.6	73.2	70.3	76.2	87.6	....	98.6	93.1	84.0	80.3
27	92.6	88.1	78.3	....	70.2	76.8	87.9	94.7	98.7	92.7	83.7	80.3
28	92.4	....	77.0	....	70.1	77.3	88.2	94.9	....	92.3	83.6	80.3
29	92.3	....	77.8	....	69.9	77.7	88.4	95.0	98.8	91.9	83.3	80.3
30	92.2	....	77.5	72.4	69.8	78.1	88.8	95.2	99.1	91.3	83.3	....
31	92.0	....	77.2	....	69.7	....	89.1	95.3	....	90.8	....	....

EB-242. Louisiana State University. Sec. 74, T. 8 S., R. 1 W., under tree in farmyard. Unused drilled domestic well, diameter $2\frac{1}{2}$ inches, depth 180 feet. Measuring point, inside upper edge of 2-inch ell, 2.8 feet above land-surface datum.

EB-242--Continued.

Water level, in feet below land-surface datum, 1943, 1945

Date	Water level	Date	Water level	Date	Water level
May 1, 1943	1.55	Oct. 2, 1945	16.69	Nov. 12, 1945	15.42
Aug. 6, 1945	9.14	8	11.32	19	15.14
14	11.63	16	6.69	26	13.69
20	12.51	22	8.00	Dec. 3	11.97
25	13.12	29	11.07	12	11.02
Sept. 1	14.20	Nov. 5	14.14		

EB-282 (*989, p. 32; 1019, p. 42). Town of Zachary. N $\frac{1}{2}$ sec. 40, T. 5 S., R. 1 E. Water level, in feet above land-surface datum, 1945; May 27, 4.03.

EB-283 (*989, p. 32; 1019, p. 42). Town of Zachary. N $\frac{1}{2}$ sec. 40, T. 5 S., R. 1 E., about 75 feet northeast of sunken reservoir behind water plant. Water levels, in feet above land-surface datum, 1945: May 25, 24.4; June 30, 22.35.

EB-293 (*1019, p. 43). Consolidated Chemical Industries, Inc. Sec. 37, T. 6 S., R. 1 W., in pumphouse at plant.

Daily noon water level, in feet below land-surface datum, 1945

(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	146.8	137.7	.....	102.1	95.2	94.3	.....	143.9	148.1	152.2	.....	108.3
2	145.8	137.0	.....	101.8	95.5	94.8	127.2	.....	148.3	151.8	117.6	108.4
3	145.4	137.0	117.1	101.6	95.9	95.4	127.2	.....	148.9	151.3	116.9	107.5
4	144.9	137.4	116.4	101.5	96.1	96.3	.....	.....	149.4	150.7	116.2	107.6
5	144.5	138.0	115.8	101.5	96.2	97.5	.....	.....	152.6	150.1	115.5	107.4
6	144.4	138.8	115.5	101.3	96.4	98.6	.....	144.4	151.1	149.5	114.8	107.2
7	145.1	139.4	114.9	101.2	96.5	100.1	132.0	144.6	151.2	149.7	114.3	107.0
8	145.1	139.8	114.2	101.1	96.7	102.3	132.5	144.9	151.7	149.4	113.8	106.9
9	145.7	140.1	.....	100.8	97.0	103.4	133.5	145.1	151.7	150.3	113.6	107.0
10	146.1	141.0	.....	100.4	97.5	105.4	133.9	145.2	151.8	148.2	116.8	107.1
11	146.6	141.6	.....	100.0	97.9	107.3	134.4	145.1	152.0	144.4	115.7	107.4
12	145.6	141.4	.....	99.7	98.0	109.3	135.3	144.9	151.1	141.3	115.1	107.3
13	145.5	140.3	.....	99.8	98.0	112.3	135.6	144.8	150.5	138.4	114.7	106.8
14	144.1	137.9	.....	100.0	98.1	114.5	135.6	145.0	150.5	136.0	114.1	106.6
15	143.6	135.1	109.7	100.2	98.2	116.5	136.0	145.3	150.6	134.2	113.5	106.3
16	142.5	133.5	109.5	100.3	98.2	118.3	136.0	145.5	150.6	132.6	113.1	106.4
17	141.5	131.1	108.7	100.2	97.9	119.7	136.1	145.5	150.8	131.2	112.8	106.4
18	140.9	.....	108.0	100.0	97.2	121.0	136.6	145.8	151.0	130.5	112.6	106.6
19	140.7	.....	106.9	99.7	96.7	122.0	137.4	146.5	151.0	129.5	112.6	107.1
20	140.5	.....	106.5	99.3	96.4	123.0	137.8	146.8	151.2	128.3	112.8	107.5
21	140.4	.....	106.2	98.9	96.1	123.2	138.3	147.0	151.5	127.5	112.9	108.2
22	139.9	.....	106.0	98.6	96.1	123.6	138.6	147.2	151.8	.....	113.0	109.0
23	140.1	.....	105.3	98.3	95.8	124.2	138.9	147.2	152.1	.....	113.0	109.4
24	140.0	122.9	104.6	98.5	95.7	124.5	139.4	147.0	152.3	124.6	112.9	109.6
25	139.2	121.8	104.2	98.3	95.4	124.6	139.8	146.9	152.6	123.3	112.4	109.4
26	139.9	.....	103.8	97.9	95.4	125.0	140.0	147.1	152.9	122.3	111.8	109.2
27	140.1	.....	103.5	97.8	95.0	.....	.....	147.1	152.8	121.5	111.2	108.9
28	139.2	.....	103.3	97.2	94.7	.....	.....	147.3	152.8	120.6	110.8	108.7
29	138.8	.....	103.0	96.2	94.5	126.7	.....	147.8	152.9	119.8	110.4	108.5
30	138.1	.....	102.5	95.7	94.4	.....	.....	147.8	152.8	119.2	109.7	108.3
31	137.9	.....	.....	.....	94.4	.....	.....	.....	.....	.....	.....	108.3

EB-299 (*989, p. 32; 1019, p. 43). Stareing & Kirby. In Baton Rouge, at corner of Istrouma Avenue and Haber Street, Capitol Heights. No measurements made in 1945.

EB-300 (*989, p. 32; 1019, p. 43). Scheinuk Florist. In Baton Rouge, in W $\frac{1}{2}$ sec. 82, T. 7 S., R. 1 E., at junction of Jefferson Highway and Government Street. No measurements made in 1945.

EB-301 (*989, p. 32; 1019, p. 44). Mrs. H. B. Witter. At Baton Rouge, in $W\frac{1}{2}$ sec. 91, T. 7 S., R. 1 E. No measurements made in 1945.

EB-302 (*989, p. 33; 1019, p. 44). H. A. Bozeman. NW corner sec. 3, T. 7 S., R. 2 E. No measurements made in 1945.

EB-303 (*989, p. 33; 1019, p. 44). Greenwell Springs Sanitarium well 1. $E\frac{1}{2}$ sec. 49, T. 5 S., R. 2 E. Water levels, in feet above land-surface datum, 1945; Apr. 21, 19.2; July 15, 22.00.

EB-304 (*989, p. 33; 1019, p. 44). Greenwell Springs Sanitarium well 2. $E\frac{1}{2}$ sec. 49, T. 5 S., R. 2 E. Water levels, in feet above land-surface datum, 1945; Apr. 21, 55.1; July 15, 60.0.

EB-305 (*989, p. 33; 1019, p. 44). Dr. I. M. Lee. SW corner sec. 66, T. 6 S., R. 1 E., on south side Greenwell Springs road, behind house. Measurements discontinued.

EB-306 (*989, p. 33; 1019, p. 44). A. C. Hernandez. NW $\frac{1}{4}$ sec. 66, T. 6 S., R. 1 E. Water level, in feet above land-surface datum, 1945; Jan. 15, 15.4.

EB-307 (*989, p. 34; 1019, p. 44). W. W. Bynum. Center of sec. 48, T. 6 S., R. 1 E. Water level, in feet above land-surface datum, 1945; Jan. 15, 22.7.

EB-308 (*989, p. 34; 1019, p. 44). W. E. Hanks. SW $\frac{1}{4}$ sec. 50, T. 6 S., R. 1 E. Water level, in feet above land-surface datum, 1945; July 15, 12.3.

EB-310 (*989, p. 34; 1019, p. 45). H. B. Witter. NW $\frac{1}{4}$ sec. 74, T. 6 S., R. 1 W. Water levels, in feet above land-surface datum, 1945; May 27, 8.4; June 30, 9.6.

EB-311 (*989, p. 34; 1019, p. 45). Suburban Water Co. well 2. In Baton Rouge, in sec. 42, T. 6 S., R. 1 W. Water levels, in feet above land-surface datum, 1945; Aug. 26, 4.1; Dec. 31, 1.8.

EB-312 (*989, p. 34; 1019, p. 45). Baton Rouge Water Works Co. North Highlands subdivision, Baton Rouge.

Water level, in feet above land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	16.6	Apr. 7	18.8	June 30	18.9	Aug. 3	18.1
Mar. 2	18.1	May 13	19.5	July 24	18.1	Aug. 10	18.1
9	17.3	28	19.0	26	18.3	Sept. 24	16.4

EB-314 (*989, p. 35; 1019, p. 45). A. A. Movant. N $\frac{1}{2}$ sec. 54, T. 5 S., R. 1 E. No measurements made in 1945.

EB-315 (*989, p. 35; 1019, p. 45). E. J. Morgan. Center of sec. 96, T. 7 S., R. 1 E., in Zion City.

Water level, in feet above land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	0.4	May 13	11.8	Sept. 3	2.1	Dec. 31	2.5
Mar. 8	6.6	July 24	6.5	24	1.8		

EB-316 (*989, p. 35; 1019, p. 45). East Baton Rouge Parish School Board. S $\frac{1}{2}$ sec. 5, T. 6 S., R. 2 E. No measurements made in 1945.

EB-317 (*989, p. 35; 1019, p. 45). H. H. Edwards. SW $\frac{1}{4}$ sec. 6, T. 6 S., R. 2 E. No measurements made in 1945.

EB-318 (*989, p. 35; 1019, p. 45). Tom Morgan. North side sec. 24, T. 6 S., R. 1 E. No measurements made in 1945.

EB-319 (*989, p. 36; 1019, p. 46). W. H. Carpenter. Center of sec. 80, T. 6 S., R. 1 E. No measurements made in 1945.

EB-320 (*989, p. 36; 1019, p. 46). C. R. Core. NW $\frac{1}{4}$ sec. 36, T. 5 S., R. 1 E. No measurements made in 1945.

EB-321 (*989, p. 36; 1019, p. 46). J. B. Carney. E $\frac{1}{2}$ sec. 89, T. 5 S., R. 1 W. Water level, in feet above land-surface datum, 1945: May 27, 19.2

EB-322 (*989, p. 36; 1019, p. 46). T. E. Charlton. SE. corner sec. 29, T. 5 S., R. 1 E. Water level, in feet above land-surface datum, 1945: Aug. 26, 49.8.

EB-323 (*989, p. 36; 1019, p. 46). Standard Ice Box Co. On west side of sec. 42, T. 7 S., R. 1 W. No measurements made in 1945.

EB-345 (*1019, p. 46). Leland College. Sec. 39, T. 5 S., R. 1 W., 0.35 mile north of State Highway 880 and 0.6 mile west of Illinois Central Railroad tracks. Water level, in feet above land-surface datum, 1945: Feb. 25, 34.6.

EB-362 (*1019, p. 46). Ethyl Corporation. Sec. 41, T. 6 S., R. 1 W., at plant in North Baton Rouge.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	171.38	Feb. 2	165.00	Mar. 2	152.20	Apr. 7	124.81
12	174.22	9	175.86	9	147.07	14	120.37
19	164.69	16	171.52	15	143.04	21	121.67
26	162.77	23	156.43	31	123.11	28	121.19

EB-376. J. E. Butler. S $\frac{1}{2}$ sec. 75, T. 6 S., R. 1 E., east side Plank Road, 0.25 mile north of Cypress Bayou. Unused drilled domestic well, diameter 1 $\frac{1}{4}$ inches, depth 660 feet. Measuring point, top of 1 $\frac{1}{4}$ -inch casing, 1 foot above land-surface datum.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Nov. 5	56.69	Nov. 19	57.62	Dec. 3	56.33
12	57.56	28	56.86	10	55.94

Evangeline Parish

Ev-1 (*886, p. 236; 909, p. 34; 939, p. 22; 947, p. 26; *989, p. 27; 1019, p. 46). John La Haye. SW $\frac{1}{4}$ sec. 20, T. 4 S., R. 1 E.

Water level, in feet below land-surface datum, 1945

July 20	72.47	Oct. 10	56.44	Nov. 27	52.86
Sept. 12	60.81	Nov. 7	54.10	Dec. 11	52.15

Ev-2 (*886, p. 236; 909, p. 34; 939, p. 22; 947, p. 26; *989, p. 37; 1019, p. 47). Dorsetant Ardoin. North line sec. 37, T. 6 S., R. 1 W.

Water level, in feet below land-surface datum, 1945

July 20	91.42	Oct. 10	68.40	Nov. 26	61.37
Sept. 12	72.43	Nov. 8	61.90	Dec. 13	58.98

Ev-3 (*1019, p. 47). Civilian Conservation Corps Camp No. 1427 (abandoned). SE $\frac{1}{4}$ sec. 33, T. 2 S., R. 2 E.

Water level, in feet below land-surface datum, 1945

Aug. 10	31.80	Oct. 8	31.91	Dec. 11	31.90
Sept. 15	31.94	Nov. 7	32.00		

Ev-4 (*909, p. 35; 939, p. 22; 947, p. 26; *989, p. 37; 1019, p. 47). Rock Island Railway. SW $\frac{1}{4}$ sec. 31, T. 1 S., R. 1 E.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	37.05	June 5	24.36	July 27	24.68	Oct. 8	24.52
Mar. 1	34.58	June 29	24.38	Aug. 10	27.77	Nov. 7	30.57
29	27.55	July 7	26.24	Sept. 15	30.87	Dec. 11	33.52
Apr. 27	24.30						

Ev-14 (*1019, p. 47). J. Perrodin. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 6 S., R. 2 E., near Basile.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	45.49	Mar. 29	43.55	Oct. 10	52.60	Nov. 27	49.76
Mar. 1	44.05	Sept. 12	57.00	Nov. 8	50.06	Dec. 13	47.64

Ev-16 (*1019, p. 47). Mat Ester. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 6 S., R. 2 W. Measurements discontinued.

Ev-18 (*1019, p. 47). Alphonse La Fleur. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 6 S., R. 2 W. Water levels, in feet below land-surface datum, 1945: Sept. 12 50.97; Oct. 10, 46.65; Nov. 8, 43.84.

Ev-31 (*1019, p. 47). Eddie Manuel. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 5 S., R. 1 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 20	79.09	Oct. 10	53.20	Nov. 27	48.38
Sept. 12	61.19	Nov. 8	49.84	Dec. 13	47.18

Ev-37. Gordon Micks. SW $\frac{1}{4}$ sec. 15, T. 3 S., R. 2 W. Used dug domestic well, diameter 8 inches, depth 41 feet. Measuring point, top inside edge of tile casing which is 2.36 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 22, 29.05; Nov. 28, 29.08.

Ev-39. P. E. Fontenot. SE $\frac{1}{4}$ sec. 23, T. 3 S., R. 2 W. Used dug domestic well, diameter 8 inches, depth 32 feet. Measuring point, top of wood curbing which is 3.70 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 22, 21.37; Nov. 28, 21.48.

Ev-41. Harvey Vidrine. NE $\frac{1}{4}$ sec. 14, T. 3 S., R. 2 W. Used drilled domestic well, diameter 3 inches, depth 80 feet. Measuring point, top of 3-inch casing which is 0.80 foot above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 23, 19.20; Nov. 28, 19.24.

Ev-46. Gordon Micks. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 3 S., R. 2 W. Used drilled domestic well, diameter 3 inches, depth 111 feet. Measuring point, top of casing which is 1.95 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Oct. 27, 30.79; Nov. 28, 30.87.

Ev-51. Eugelie Guillory. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 3 S., R. 2 W. Used bored domestic well, diameter 7 inches, depth 30 feet. Measuring point, top inside edge of wood casing, south side, which is 2.50 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 5, 18.14.

Grant Parish

G-2 (*845, p. 146; 886, p. 236; 909, p. 35; 939, p. 22; 947, p. 26; *989, p. 37; 1019, p. 47). Carnahan, Hunthunce & Hargiss. Sec. 5, T. 5 N., R. 3 W. Water level, in feet below land-surface datum, 1945: Oct. 31, 9.06.

G-21 (*845, p. 146; 886, p. 236; 909, p. 36; 939, p. 23; 947, p. 26; *989, p. 37; 1019, p. 47). U. S. Dept. of Agriculture. In Pollock, at Catahoula Fire Tower. No measurements made in 1945.

G-27 (*845, p. 146; 909, p. 36; 939, p. 23; 947, p. 26; *989, p. 37; 1019, p. 47). 4-H Club camp. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 6 N., R. 1 E. Water level, in feet above land-surface datum, 1945: Oct. 25, 0.92.

G-112. Town of Colfax. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 6 N., R. 3 W. Drilled observation well, diameter 2 inches depth 229 feet. Measuring point, top of 2-inch collar on 2-inch casing, 1.30 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Apr. 4, 67.25; Sept. 19, 67.45; Oct. 29, 66.64.

Iberia Parish

I-19 (*1019, p. 48). Jefferson Island Planting Co. Irregular sec. 59, T. 12 S., R. 5 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Jan. 9	4.90	Oct. 9	4.68	Dec. 12	5.68
Sept. 10	4.82	Nov. 7	5.26		

I-37 (*1019, p. 48). Leance Theriot. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 12 S., R. 6 E. Measurements discontinued.

Jackson Parish

Ja-13. Owner's No. 7. Southern Advance Bag and Paper Company. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 15 N., R. 4 W., about 50 yards southwest of state highway 101, 100 feet west of company well No. 15. Abandoned drilled industrial well, diameter 18 inches, depth 512 feet. Measuring point top of 18-inch well casing which is 5 feet above land-surface datum. Automatic water-stage recorder installed June 13, 1945.

Water level, in feet below land-surface datum, 1942, 1945

Mar. 27, 1942	138.73	Apr. 16, 1945	95.58	May 14, 1945	102.31
28, 1945	102.40	May 1	101.80	June 6	97.34
Apr. 8	93.16	7	102.70		

a Nearby well pumping.

Daily noon water level, in feet below land-surface datum, 1945

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	97.0	90.2	88.5	88.9	84.0	80.9
2	....	96.9	90.1	88.5	89.4	83.7	80.7
3	....	96.9	90.0	88.2	89.8	83.5	80.5
4	....	96.3	90.0	88.2	90.0	83.1	80.5
5	....	95.6	89.9	87.7	90.1	82.8	80.7
6	....	95.1	89.7	87.5	90.1	82.6	81.1
7	....	94.6	89.6	87.4	90.0	82.6	81.5
8	....	94.2	89.5	87.3	89.9	82.9	81.6
9	....	93.9	89.5	87.3	89.8	82.9	81.4
10	....	93.6	89.4	87.3	89.7	82.7	81.2
11	....	93.3	89.4	87.3	89.7	82.5	80.9
12	....	93.0	89.3	87.2	89.6	82.3	80.6
13	....	92.8	89.2	87.2	89.5	82.0	80.3
14	98.6	92.6	89.2	88.2	89.5	81.8	80.0
15	98.5	92.3	89.1	89.0	89.4	81.5	79.3
16	98.4	92.1	89.1	89.3	89.3	81.3	79.6
17	98.3	91.9	89.0	89.5	89.2	81.1	79.8
18	98.3	91.7	89.0	89.5	89.2	80.9	78.1
19	98.2	91.5	89.0	89.5	89.2	80.9	78.4
20	98.1	91.4	89.0	89.5	89.0	80.9	78.6
21	98.0	91.3	88.9	89.5	88.6	80.4	78.8
22	97.9	91.2	88.8	89.4	88.2	80.3	77.9
23	97.6	91.1	88.8	89.3	87.7	80.1	77.6
24	97.3	91.0	88.7	89.2	87.3	79.9	77.4
25	97.0	90.9	88.7	89.1	86.7	79.8	77.3
26	97.0	90.8	88.6	89.0	86.2	79.6	77.1

Ja-13--Continued.

Daily noon water level, in feet below land-surface datum, 1945							
Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
27	97.0	90.7	88.6	88.7	85.6	79.5	76.9
28	97.0	90.5	88.5	88.6	85.2	79.7	76.7
29	97.0	90.5	88.5	88.5	85.0	80.4	76.6
30	97.0	90.3	88.5	88.5	84.6	80.8	76.4
31		90.3	88.5		84.3		76.2

Jefferson Parish

Jf-12 (*947, p. 26; *989, p. 37; 1019, p. 48). Fourth Jefferson drainage district. At New Orleans pumping station 1, about 1.25 miles west of parish line on Lake Pontchartrain. Water level, in feet below land-surface datum, 1945: Oct. 21, 23.34.

Jefferson Davis Parish

JD-1 (*845, p. 146; 886, p. 237; 1019, p. 48). Latrielle Estate. NE $\frac{1}{4}$ sec. 26, T. 9 S., R. 4 W. No measurements made in 1945.

JD-5 (*845, p. 147; 886, p. 237; 1019, p. 48). Gulf States Utilities. Lake Arthur. No measurements made in 1945.

JD-6 (*886, p. 238; 909, p. 37; 939, p. 24; 947, p. 27; *989, p. 37; 1019, p. 48). Latrielle Estate. NW $\frac{1}{4}$ sec. 22, T. 8 S., R. 4 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Sept. 13	54.74	Nov. 9	48.88	Dec. 14	46.73
Oct. 11	51.07	27	47.72		

JD-8 (*845, p. 147; 886, p. 238; 1019, p. 48). William Koll. SW $\frac{1}{4}$ sec. 3, T. 9 S., R. 3 W. Water levels, in feet below land-surface datum, 1945: Oct. 11, 42.35; Nov. 9, 39.92; Nov. 27, 38.76; Dec. 14, 37.73.

JD-9 (*845, p. 147; 886, p. 238; 909, p. 37; 939, p. 24; 947, p. 27; *989, p. 37; 1019, p. 48). Calcasieu-Marine National Bank. NW $\frac{1}{4}$ sec. 34, T. 9 S., R. 4 W.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	27.93	June 6	51.68	Aug. 3	44.24	Nov. 9	31.94
Mar. 8	25.80	July 5	55.32	Sept. 13	39.73	27	30.64
27	25.22	26	46.35	Oct. 11	34.87	Dec. 14	29.48
May 4	35.30						

JD-10 (*845, p. 147; 886, p. 238; 1019, p. 48). Calcasieu-Marine National Bank. NE $\frac{1}{4}$ sec. 33, T. 9 S., R. 4 W. No measurements made in 1945.

JD-11 (*845, p. 147; 886, p. 238; 909, p. 38; 939, p. 24; 947, p. 27; 989, p. 38; 1019, p. 49). Mrs. T. L. Linscomb. NE $\frac{1}{4}$ sec. 28, T. 7 S., R. 3 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 26	56.34	Oct. 11	52.07	Nov. 27	49.59
Sept. 13	54.61	Nov. 9	50.43	Dec. 14	48.78

JD-12 (*845, p. 147; 886, p. 238; 1019, p. 49). B. Garbarino. Center of east line sec. 6, T. 7 S., R. 3 W. No measurements made in 1945.

JD-14 (*845, p. 147; 886, p. 239; 1019, p. 49). Calcasieu-Marine National Bank. Center of north line sec. 21, T. 7 S., R. 4 W. No measurements made in 1945.

JD-15 (*845, p. 147; 886, p. 239; 1019, p. 49). A. R. McBurney. NW $\frac{1}{4}$ sec. 33, T. 7 S., R. 4 W. No measurements made in 1945.

JD-17 (*845, p. 147; 886, p. 239; 1019, p. 49). C. E. Monger. SE $\frac{1}{4}$ sec. 15, T. 8 S., R. 5 W. No measurements made in 1945.

JD-18 (*845, p. 147; 886, p. 239; 1019, p. 49). William Fenton. SE $\frac{1}{4}$ sec. 8, T. 3 S., R. 5 W. No measurements made in 1945.

JD-19 (*845, p. 147; 886, p. 239; 1019, p. 49). Luma Bourgeois. SW $\frac{1}{4}$ sec. 18, T. 9 S., R. 5 W. No measurements made in 1945.

JD-20 (*845, p. 148; 886, p. 239; 1019, p. 49). Calcasieu-Marine National Bank. NE $\frac{1}{4}$ sec. 14, T. 10 S., R. 6 W. No measurements made in 1945.

JD-21 (*845, p. 148; 886, p. 239; 1019, p. 49). John Miller. SE $\frac{1}{4}$ sec. 10, T. 10 S., R. 5 W. No measurements made in 1945.

JD-23 (*845, p. 148; 886, p. 240; 909, p. 38; 939, p. 24; 947, p. 27; *989, p. 38; 1019, p. 49). Calcasieu-Marine National Bank. NE $\frac{1}{4}$ sec. 4, T. 10 S., R. 6 W.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	27.57	Mar. 28	24.83	Oct. 11	31.86	Nov. 27	28.54
Mar. 8	26.51	July 5	44.55	Nov. 9	29.54	Dec. 14	27.45

JD-24 (*1019, p. 50). O. David. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 10 S., R. 6 W. No measurements made in 1945.

JD-25 (*1019, p. 50). Calcasieu-Marine National Bank. NW $\frac{1}{4}$ sec. 36, T. 9 S., R. 6 W. No measurements made in 1945.

JD-26 (*886, p. 240; 909, p. 38; 939, p. 25; 947, p. 27; 989, p. 38; 1019, p. 50). I. L. Hebert. NE $\frac{1}{4}$ sec. 21, T. 10 S., R. 3 W.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 25	34.44	Oct. 11	29.34	Dec. 14	25.42
Sept. 12	32.02	Nov. 9	27.40		

JD-29 (*1019, p. 50). White & Dougherty. SE $\frac{1}{4}$ sec. 30, T. 7 S., R. 3 W. No measurements made in 1945.

JD-31 (*1019, p. 50). B. J. Hine. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 7 S., R. 3 W. No measurements made in 1945.

JD-32 (*886, p. 240; 1019, p. 50). Joe Petitjean. SE $\frac{1}{4}$ sec. 12, T. 11 S., R. 5 W. Water levels, in feet below land-surface datum, 1945: Sept. 27, 19.40; Oct. 11, 18.04; Nov. 9, 16.08; Dec. 13, 14.20.

JD-33 (*1019, p. 50). Joe Petitjean. NW $\frac{1}{4}$ sec. 18, T. 11 S., R. 4 W. No measurements made in 1945.

JD-35 (*1019, p. 50). Mrs. M. G. Davidson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 7 S., R. 3 W. No measurements made in 1945.

JD-36 (*1019, p. 51). M. G. Davidson. NW $\frac{1}{4}$ sec. 3, T. 7 S., R. 3 W. No measurements made in 1945.

JD-37 (*1019, p. 51). Karl Goebel. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 7 S., R. 3 W. No measurements made in 1945.

JD-39 (*1019, p. 51). Otto Bruchhaus. SE $\frac{1}{4}$ sec. 17, T. 7 S., R. 3 W. No measurements made in 1945.

JD-40 (*1019, p. 51). Chas. H. Daggett. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 7 S., R. 3 W. No measurements made in 1945.

JD-41 (*886, p. 240; 1019, p. 51). J. P. Campbell. NW $\frac{1}{4}$ sec. 18, T. 9 S., R. 4 W. No measurements made in 1945.

JD-42 (*909, p. 39; 939, p. 25; 947, p. 27; *989, p. 38; 1019, p. 51). Fritz Miller. SE $\frac{1}{4}$ sec. 24, T. 8 S., R. 5 W. No measurements made in 1945.

JD-43 (*886, p. 241; 909, p. 39; 939, p. 25; 947, p. 27; 989, p. 38; 1019, p. 52). Colon Leger. NE $\frac{1}{4}$ sec. 24, T. 8 S., R. 6 W. Pump pulled. New measuring point, top of pit casing, at land-surface datum.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 26	39.39	Oct. 9	36.49	Dec. 11	33.05
Sept. 13	38.93	Nov. 7	34.67		

JD-45 (*1019, p. 52). Louis Kratzer. SE $\frac{1}{4}$ sec. 9, T. 8 S., R. 4 W. No measurements made in 1945.

JD-46 (*1019, p. 52). T. I. Heinen. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 8 S., R. 3 W. No measurements made in 1945.

JD-50 (*886, p. 240; 1019, p. 52). Dr. G. L. Shoemaker. NE $\frac{1}{4}$ sec. 2, T. 10 S., R. 4 W. No measurements made in 1945.

JD-52 (*1019, p. 52). R. E. Blessington. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 7 S., R. 3 W. No measurements made in 1945.

JD-54 (*1019, p. 52). Calcasieu National Bank. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 7 S., R. 3 W. No measurements made in 1945.

JD-61 (*1019, p. 52). R. I. Compton. NE $\frac{1}{4}$ sec. 24, T. 8 S., R. 4 W. No measurements made in 1945.

JD-63 (*886, p. 240; 1019, p. 53). J. E. McCown. NW $\frac{1}{4}$ sec. 36, T. 8 S., R. 4 W. No measurements made in 1945.

JD-64 (*1019, p. 53). C. E. Britt. NW $\frac{1}{4}$ sec. 15, T. 10 S., R. 3 W. No measurements made in 1945.

JD-68 (*1019, p. 53). John R. Trotti. SE $\frac{1}{4}$ sec. 10, T. 8 S., R. 5 W. No measurements made in 1945.

JD-70 (*1019, p. 53). Theobert Cormier. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 9 S., R. 5 W. No measurements made in 1945.

JD-71 (*1019, p. 53). R. A. Estes. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 9 S., R. 5 W. No measurements made in 1945.

JD-73 (*1019, p. 53). W. I. Trimble. NW $\frac{1}{4}$ sec. 10, T. 9 S., R. 5 W. No measurements made in 1945.

JD-75 (*1019, p. 53). Reeve Bros. NE $\frac{1}{4}$ sec. 4, T. 10 S., R. 5 W. No measurements made in 1945.

JD-76 (*1019, p. 53). E. Hardy Estate. NE $\frac{1}{4}$ sec. 9, T. 10 S., R. 5 W. No measurements made in 1945.

JD-78 (*1019, p. 54). E. A. Lyons & Sons. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 11 S., R. 5 W. No measurements made in 1945.

JD-79 (*1019, p. 54). Paul Dupont. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 11 S., R. 4 W. No measurements made in 1945.

JD-80 (*1019, p. 54). W. P. Strohe. SW $\frac{1}{4}$ sec. 10, T. 10 S., R. 4 W. No measurements made in 1945.

JD-82 (*1019, p. 54). W. F. Tietje. SE $\frac{1}{4}$ sec. 24, T. 9 S., R. 4 W. No measurements made in 1945.

JD-86 (*1019, p. 54). Calcasieu National Bank. NW $\frac{1}{4}$ sec. 16, T. 9 S., R. 4 W. No measurements made in 1945.

JD-90. A. Augustine. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 8 S., R. 6 W. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum being 1.89 feet.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 26	37.50	Oct. 9	34.60	Dec. 11	31.17
Sept. 13	37.04	Nov. 7	32.78		

JD-99 (*1019, p. 54). Calcasieu National Bank. NW $\frac{1}{4}$ sec. 4, T. 9 S., R. 4 W. No measurements made in 1945.

JD-106 (*1019, p. 55). Calcasieu National Bank. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 8 S., R. 5 W. No measurements made in 1945.

JD-113 (*1019, p. 55). Calcasieu National Bank. NW $\frac{1}{4}$ sec. 33, T. 9 S., R. 6 W.

Water level, in feet below land-surface datum, 1945

Aug. 7	42.45	Oct. 11	38.49	Nov. 27	35.02
Sept. 14	42.02	Nov. 9	36.08	Dec. 14	33.87

JD-114 (*1019, p. 55). J. D. Pousson Estate. NE $\frac{1}{4}$ sec. 32, T. 9 S., R. 5 W. No measurements made in 1945.

JD-115 (*886, p. 241; 909, p. 39; 939, p. 25; 947, p. 27; 989, p. 38; 1019, p. 55). Calcasieu Marine National Bank. NE $\frac{1}{4}$ sec. 34, T. 9 S., R. 5 W.

Water level, in feet below land-surface datum, 1945

Sept. 9	48.15	Nov. 9	39.44	Dec. 14	36.70
Oct. 11	42.64	27	37.98		

JD-116 (*1019, p. 55). Nelson Thomas. NW $\frac{1}{4}$ sec. 25, T. 9 S., R. 4 W. No measurements made in 1945.

JD-120 (*1019, p. 55). Beulah Henderson. SE $\frac{1}{4}$ sec. 10, T. 11 S., R. 4 W.

Water level, in feet below land-surface datum, 1945

July 25	24.08	Oct. 11	24.89	Dec. 14	20.04
Sept. 13	25.55	Nov. 9	23.87		

JD-123 (*1019, p. 55). Alfred Broussard. SE $\frac{1}{4}$ sec. 12, T. 11 S., R. 4 W. No measurements made in 1945.

JD-124 (*1019, p. 56). Calcasieu Marine National Bank. SE $\frac{1}{4}$ sec. 36, T. 10 S., R. 4 W. No measurements made in 1945.

JD-133 (*1019, p. 56). Fred I. Getty. SW $\frac{1}{4}$ sec. 34, T. 9 S., R. 3 W. No measurements made in 1945.

JD-136 (*1019, p. 56). Adam Derouen. NW $\frac{1}{4}$ sec. 19, T. 10 S., R. 4 W. No measurements made in 1945.

JD-138 (*1019, p. 56). A. W. Crowl. SE $\frac{1}{4}$ sec. 16, T. 9 S., R. 4 W. No measurements made in 1945.

JD-139 (*1019, p. 56). B. F. Barbarino. NW $\frac{1}{4}$ sec. 12, T. 7 S., R. 4 W. No measurements made in 1945.

JD-141 (*1019, p. 56). T. S. Plunket. SW $\frac{1}{4}$ sec. 17, T. 7 S., R. 3 W. No measurements made in 1945.

JD-147 (*1019, p. 56). J. P. Campbell. NW $\frac{1}{4}$ sec. 18, T. 9 S., R. 4 W. No measurements made in 1945.

JD-157 (*1019, p. 57). Eba Miller. SW $\frac{1}{4}$ sec. 6, T. 9 S., R. 5 W. No measurements made in 1945.

JD-171 (*1019, p. 57). Calcasieu Marine National Bank. NW $\frac{1}{4}$ sec. 20, T. 8 S., R. 3 W. No measurements made in 1945.

JD-175 (*1019, p. 57). D. J. Williams. SW $\frac{1}{4}$ sec. 9, T. 9 S., R. 3 W. No measurements made in 1945.

JD-178 (*1019, p. 57). Isaac Pontenot. NE $\frac{1}{4}$ sec. 16, T. 10 S., R. 3 W. No measurements made in 1945.

JD-186 (*1019, p. 57). A. C. Campbell. NW $\frac{1}{4}$ sec. 17, T. 10 S., R. 3 W. No measurements made in 1945.

JD-205 (*1019, p. 57). F. L. Crabtree. SW $\frac{1}{4}$ sec. 16, T. 7 S., R. 3 W. No measurements made in 1945.

JD-211 (*1019, p. 57). G. R. Berry. NW $\frac{1}{4}$ sec. 35, T. 9 S., R. 4 W. No measurements made in 1945.

JD-212 (*1019, p. 57). Calcasieu Marine National Bank. NW $\frac{1}{4}$ sec. 32, T. 9 S., R. 4 W. No measurements made in 1945.

JD-215 (*1019, p. 58). J. L. Watkins. SE $\frac{1}{4}$ sec. 16, T. 11 S., R. 5 W. No measurements made in 1945.

JD-221 (*947, pp. 27-28; *989, p. 221; 1019, p. 58). John Ardoin. One mile north of overpass on U. S. Highway 165 near Iowa Junction. No measurements made in 1945.

JD-222. Lacassane Co., Inc. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 11 W., R. 5 W. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 4.50 feet. Water levels, in feet below land-surface datum, 1945: Oct. 2, 14.98; Oct. 11, 14.13; Nov. 9, 12.79; Dec. 13, 11.07.

JD-223. Lacassane Co., Inc. SW $\frac{1}{4}$ sec. 27, T. 11 S., R. 4 W. Measuring point, bottom edge of inclined discharge pipe, the distance from measuring point to land-surface datum along pipe being 10.00 feet. Water levels, in feet below land-surface datum, 1945: Oct. 2, 18.92; Oct. 11, 18.30; Nov. 9, 16.99; Dec. 14, 15.64.

Lafayette Parish

Lf-6 (*1019, p. 58). Southwestern Louisiana Institute Horticultural Farm. Irregular sec. 68, T. 9 S., R. 4 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 17	27.26	Oct. 9	27.59	Nov. 25	27.75
Sept. 10	27.31	Nov. 7	27.68	Dec. 11	27.99

Lf-129 (*1019, p. 58). Claude Hanks. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 10 S., R. 3 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 2	28.56	Oct. 10	27.21	Nov. 26	25.49
Sept. 11	27.76	Nov. 8	26.70	Dec. 12	26.23

Lf-164 (*1019, p. 58). Gaston Gordon. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 10 S., R. 5 E.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.3	20.3	18.2	19.2	20.2	20.7	22.1	21.4	21.5	22.9	23.5	24.2
2	22.3	20.2	18.2	18.9	20.3	20.8	22.1	21.4	21.6	22.9	23.5	24.2
3	22.3	20.0	18.3	18.8	20.4	20.9	22.1	21.4	21.6	22.9	23.5	24.2
4	22.3	19.9	18.4	18.7	20.5	21.0	22.1	21.4	21.7	23.0	23.6	24.2
5	22.3	19.2	18.5	18.9	20.6	21.1	22.1	21.5	21.7	23.0	23.6	24.3
6	21.9	18.5	18.6	18.9	20.8	21.1	22.1	21.6	21.8	23.0	23.7	24.3
7	21.2	17.9	18.8	18.9	20.9	21.2	22.1	21.6	21.9	23.0	23.7	24.3
8	20.9	17.9	19.0	18.9	21.0	21.3	22.2	21.7	22.0	23.0	23.7	24.3
9	20.8	17.8	19.1	18.9	21.0	21.3	22.2	21.8	22.0	23.0	23.7	24.3
10	20.7	17.8	19.2	19.0	21.1	21.4	22.2	21.8	22.1	23.1	23.7	24.4
11	20.6	17.8	19.3	19.1	21.0	21.4	22.3	21.9	22.1	23.1	23.8	24.4
12	20.4	17.6	19.3	19.2	21.0	21.5	22.3	21.9	22.2	23.1	23.8	24.4
13	20.4	17.4	19.2	19.3	21.0	21.6	22.3	21.9	22.2	23.2	23.8	24.5
14	20.3	17.3	19.2	19.3	21.0	21.5	22.3	21.9	22.3	23.2	23.9	24.3
15	20.4	17.3	19.3	19.4	21.0	21.5	22.3	22.0	22.4	23.2	23.9	24.3
16	20.5	17.3	19.4	19.5	20.5	21.6	22.3	21.9	22.4	23.3	23.9	24.3
17	20.5	17.3	19.5	19.6	20.1	21.6	22.4	21.6	22.4	23.3	23.9	24.3
18	20.4	17.4	19.6	19.6	20.0	21.6	22.4	21.4	22.5	23.4	24.0	24.1
19	20.5	17.6	19.6	19.9	19.9	21.6	22.4	21.4	22.6	23.4	24.0	24.1
20	20.6	17.6	19.7	19.9	19.8	21.6	22.4	21.4	22.6	23.4	24.0	24.1
21	20.6	17.6	19.8	19.9	19.8	21.6	22.4	21.4	22.6	23.4	24.0	24.1
22	20.7	17.6	19.9	19.9	19.9	21.6	22.4	21.4	22.7	23.4	24.1	24.0
23	20.7	17.7	19.8	20.0	20.0	21.7	22.4	21.4	22.7	23.5	24.1	23.9
24	20.7	17.8	19.8	20.0	20.0	21.7	22.5	21.4	22.7	23.5	24.1	23.4
25	20.6	17.7	19.9	20.0	20.1	21.8	22.1	21.4	22.9	23.4	24.1	23.3
26	20.7	17.8	20.0	20.1	20.2	21.8	21.8	21.4	22.8	23.4	24.1	23.2
27	20.7	17.8	20.1	20.1	20.3	21.9	21.7	21.4	22.8	23.4	24.1	23.1
28	20.5	18.0	20.2	20.2	21.4	21.9	21.6	21.4	22.9	23.4	24.1	23.0
29	20.4		20.2	20.2	20.4	22.0	21.5	21.4	22.9	23.4	24.2	23.0
30	20.3		20.2	20.2	20.6	22.0	21.5	21.4	22.9	23.5	24.2	23.9
31	20.3		20.2		20.6		21.4	21.5		23.5		23.0

Lf-199 (*1019, p. 59). Clovis Kennedy. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 21	37.21	Oct. 9	29.34	Nov. 26	27.70
Sept. 11	30.86	Nov. 8	28.20	Dec. 12	27.22

Lf-200 (*1019, p. 59). Clovis Kennedy. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1945

July 21	38.22	Oct. 9	29.95	Nov. 26	28.34
Sept. 11	31.50	Nov. 8	28.83	Dec. 12	27.88

Lf-201 (*1019, p. 59). Cleveland Leger. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1945

Sept. 11	27.95	Nov. 8	25.18	Dec. 12	24.24
Oct. 9	26.37	Nov. 26	24.67		

Lf-210 (*1019, p. 59). B. W. Spell. Irregular sec. 24, T. 10 S., R. 2 E.

Water level, in feet below land-surface datum, 1945

July 21	33.01	Oct. 9	26.29	Nov. 26	24.90
Sept. 11	27.68	Nov. 8	25.33	Dec. 12	24.53

Lf-251 (*1019, p. 59). Milton Syrup Mill. Irregular sec. 40, T. 11 S., R. 4 E.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 21	14.25	Oct. 9	14.27	Nov. 26	14.57
Sept. 11	14.14	Nov. 8	14.34	Dec. 12	14.70

If-478 (*1019, p. 59). Charles Bradford. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 9 S., R. 3 E.

Water level, in feet below land-surface datum, 1945					
Sept. 11	33.45	Nov. 8	31.53	Dec. 12	29.59
Oct. 10	31.61	26	29.98		

LaSalle Parish

La-41 (*886, p. 242; 909, p. 40; 939, p. 26; 947, p. 28; *989, p. 39; 1019, p. 59). Louisiana Delta Hardwood Lumber Co. NE $\frac{1}{4}$ sec. 8, T. 8 N., R. 3 E. Water level, in feet below land-surface datum, 1945: Oct. 25, 28.50.

La-42 (*886, p. 242; 909, p. 40; 939, p. 26; 947, p. 28; *989, p. 39; 1019, p. 60). Louisiana Delta Hardwood Lumber Co. NE $\frac{1}{4}$ sec. 8, T. 8 N., R. 3 E. No measurements made in 1945.

Livingston Parish

Li-10 (*909, p. 40; 939, p. 26; 947, p. 28; *989, p. 39; 1019, p. 60). McCarroll Lumber Co. In Frost, on north side of mill pond. Water level, in feet above land-surface datum, 1945: July 19, 3.5.

Li-11 (*909, p. 40; 939, p. 26; 947, p. 28; *989, p. 39; 1019, p. 60). Sharp Civilian Conservation Corps camp. In Springville. Water level, in feet above land-surface datum, 1945: July 19, 1.93.

Li-16 (*909, p. 40; 939, p. 26; 947, p. 28; *989, p. 39; 1019, p. 60). J. F. McCarroll. In Holden, 200 feet west of residence. Water level, in feet above land-surface datum, 1945: July 19, 121.62.

Morehouse Parish

Mo-1 (*909, p. 40; 939, p. 26; 942, p. 28; *909, p. 39; 1019, p. 60). Town of Bastrop. At Bastrop, in city park. Measurements discontinued.

Mo-9. Southern Kraft Corporation, well 3 at Louisiana mill. In Bastrop, sec. 24, T. 21 N., R. 5 E. Unused drilled industrial well, diameter 10 inches, depth 890 feet. Measuring point, top of steel base plate of pump in concrete pump foundation, 2.5 feet above land-surface datum. Water-stage recorder installed Nov. 20, 1945.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 21	140.1	Dec. 2	139.9	Dec. 12	139.1	Dec. 22	138.9
22	137.5	3	139.9	13	139.2	23	139.0
23	138.1	4	139.9	14	139.0	24	139.1
24	136.6	5	139.9	15	139.0	25	143.1
25	139.1	6	139.9	16	138.9	26	142.7
26	139.6	7	139.9	17	138.9	27	143.2
27	139.6	8	139.5	18	139.1	28	144.3
28	139.6	9	139.9	19	138.9	29	144.9
29	139.8	10	140.4	20	138.8	30	145.1
30	139.9	11	139.6	21	138.8	31	145.2
Dec. 1	139.9						

Mo-15. Southern Kraft Corporation well 13 at the Louisiana mill. In Bastrop, sec. 24, T. 21 N., R. 5 E. Unused drilled industrial well, diameter 16 inches, depth 105 feet. Measuring point, top edge steel base plate of pump, 1 foot above land-surface datum. Water-stage recorder installed June 21, 1945.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	78.0	78.0	78.0	77.7	77.3	77.7
2	....	78.0	77.9	78.0	77.8	77.5	77.7
3	....	78.0	77.9	78.0	77.7	77.8	77.6
4	....	77.9	77.9	77.9	77.5	77.7	77.7
5	....	77.9	78.1	77.8	77.5	77.5	77.7
6	....	78.0	78.0	78.0	77.6	77.6	77.6
7	....	77.9	78.0	78.0	77.6	77.7	77.9
8	a 77.89	77.8	78.1	78.0	77.5	77.5	77.8
9	....	77.9	78.0	77.9	77.7	77.8	77.7
10	....	77.9	77.9	77.8	77.6	77.8	78.0
11	....	78.0	78.0	77.9	77.6	77.7	77.9
12	....	77.9	78.0	77.8	77.6	77.5	77.6
13	....	77.9	78.0	77.9	77.5	77.6	77.4
14	....	77.9	78.0	78.1	77.5	78.0	77.8
15	....	78.0	78.0	78.2	77.7	77.9	77.9
16	....	78.1	77.9	78.0	77.6	77.7	78.0
17	....	78.0	77.9	77.9	77.5	77.6	77.6
18	....	78.0	78.0	77.9	77.4	77.7	77.4
19	....	78.0	78.0	77.9	77.5	77.7	78.0
20	....	78.0	78.0	77.9	77.5	77.7	77.9
21	....	78.0	78.0	77.9	77.4	77.7	77.7
22	78.0	77.9	78.0	77.9	77.5	77.9	77.6
23	78.0	77.9	78.0	77.8	77.6	77.7	77.6
24	78.0	78.0	78.1	77.7	77.5	77.6	77.5
25	77.9	78.0	78.0	77.8	77.5	77.5	77.8
26	78.0	78.0	78.0	77.7	77.6	77.6	77.9
27	78.0	77.9	78.0	77.7	77.6	77.8	77.7
28	78.0	77.9	78.0	77.7	77.5	77.7	77.7
29	78.1	78.1	78.1	77.7	77.4	77.8	77.6
30	78.1	78.1	78.1	77.7	77.3	77.8	77.5
31		78.1	78.1		77.3		78.0

a Tape measurement at odd hour.

Natchitoches Parish

Na-53. City of Natchitoches. Sec. 87, T. 9 N., R. 7 W., 3 miles south of Natchitoches on Nelkins Plantation. Measuring point, top of 2-inch casing, at land-surface datum. Water levels, in feet above land-surface datum, 1945: Sept. 7, 6.3; Nov. 27, 6.2.

Na-54 (*1019, p. 60). S. Rhodes. SW $\frac{1}{4}$ sec. 105, T. 9 N., R. 7 W. Water levels, in feet above land-surface datum, 1945: Sept. 7, 14.2; Nov. 27, 14.1.

Na-58 (*1019, p. 60). H. J. Taylor. NE $\frac{1}{4}$ sec. 10, T. 8 N., R. 7 W. Water levels, in feet above land-surface datum, 1945: Sept. 7, 20.4; Nov. 27, 23.3.

Na-68 (*1019, p. 60). City of Natchitoches. NE $\frac{1}{4}$ sec. 15, T. 8 N., R. 7 W. No measurements made in 1945.

Na-69 (*1019, p. 60). City of Natchitoches. NE $\frac{1}{4}$ sec. 15, T. 8 N., R. 7 W. No measurements made in 1945.

Orleans Parish

Or-25. Burtz Ice Co. 1215 Magnolia Street, New Orleans. Abandoned drilled well, diameter 6 inches, depth 850 feet. Measuring point, top of 6-inch casing, 1.15 feet above land-surface datum and 6.83 feet above mean Gulf level. Water levels, in feet below land-surface datum: May 24, 1944, 54.58; Oct. 21, 1945, 67.94; Dec. 7, 1945; 55.68.

Rapides Parish

R-21 (*845, p. 140; 886, p. 245; 909, p. 42; 939, p. 27; 947, p. 29; *989, p. 39; 1019, p. 60). City of Alexandria. In Alexandria, at Fourth and St. James Streets.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Jan. 8	113.15	Aug. 10	115.72	Oct. 19	107.96
July 19	115.13	12	115.81		

R-26 (*845, p. 140; 886, p. 245; 909, p. 43; 939, p. 28; 947, p. 30; *989, p. 40; 1019, p. 61). Missouri Pacific Railroad. In Alexandria, at abandoned roundhouse on North 13th Street.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	145.25	Sept. 7	133.91	Oct. 5	134.10	Oct. 26	134.13
July 19	138.65	14	132.81	12	134.92	Nov. 2	133.01
Aug. 10	139.61	21	134.83	19	135.04	9	132.62
12	139.80	28	135.52				

R-35 (*845, p. 141; 886, p. 246; 909, p. 44; 939, p. 29; 947, p. 30; *989, p. 40; 1019, p. 61). Pine Products Co. In Alexandria.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	154.23	Sept. 7	158.39	Oct. 5	159.34	Oct. 26	155.68
July 19	157.15	14	159.40	12	158.70	Nov. 2	155.19
Aug. 10	158.08	21	159.57	19	157.07	9	154.63
12	158.32	28	159.80				

R-43-A (*845, p. 61; 886, p. 246; 909, p. 44; 939, p. 29; 947, p. 31; *989, p. 41; 1019, p. 61). Missouri Pacific Railroad. In Alexandria. No measurements made in 1945.

R-67 (*845, p. 142; 886, p. 246; 909, p. 44; 939, p. 29; 947, p. 31; *989, p. 41; 1019, p. 61). Louisiana Ice & Electric Co. In Lake Charles. No measurements made in 1945.

R-80 (*1019, p. 61). Louisiana Ice & Electric Co. On Highway 71, at Cheneyville. No measurements made in 1945.

R-89 (*845, p. 142; 886, p. 247; 909, p. 44; 939, p. 29; 947, p. 31; *989, p. 41; 1019, p. 61). State Colony Farm. SE. corner sec. 39, T. 4 N., R. 2 W. No measurements made in 1945.

R-135 (*845, p. 143; 886, p. 247; 909, p. 45; 939, p. 30; 947, p. 31; *989, p. 41; 1019, p. 61). At Arbuthnot mill site, sec. 61, T. 5 N., R. 3 W. No measurements made in 1945.

R-183 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30; 947, p. 31; *989, p. 41; 1019, p. 61). O. T. Oden. 8 miles south of Alexandria on U. S. Highway 165. No measurements made in 1945.

R-184 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30; 947, p. 31; *989, p. 41; 1019, p. 61). O. T. Oden. 8 miles south of Alexandria, on U. S. Highway 165. No measurements made in 1945.

R-207 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31; 947, p. 31; *989, p. 41; 1019, p. 62). State Hospital for Insane. In Pineville. No measurements made in 1945.

R-208 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31; 947, p. 31; 989, p. 41). State Hospital for Insane. In Pineville. Measurements resumed. Water levels, in feet below land-surface datum, 1945: Jan. 8, 101.59; Sept. 20, 144.65; Oct. 26, 145.72.

R-218 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31; 947, p. 31; *989, p. 31; 1019, p. 62). Camp Beauregard. About 5 miles north of Pineville. No measurements made in 1945.

R-318 (*989, p. 41; 1019, p. 62). Camp Claiborne. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 1 N., R. 2 W. Water level, in feet below land-surface datum, 1945: Jan. 9, 69.21.

R-328 (*1019, p. 62). Camp Claiborne. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 1 N., R. 2 W. Water levels, in feet below land-surface datum, 1945: Jan. 9, 52.31; Sept. 28, 51.18; Oct. 23, 51.07.

R-330 (*1019, p. 63). Camp Claiborne. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 1 N., R. 2 W. No measurements made in 1945.

R-344 (*939, p. 31; 947, p. 32; 989, p. 42; 1019, p. 63). Camp Livingston. NW corner sec. 3, T. 5 N., R. 1 E. Water levels, in feet below land-surface datum, 1945: Sept. 24, 198.50; Oct. 17, 196.19; Nov. 9, 193.71.

R-347 (*939, p. 32; 947, p. 32; 989, p. 42; 1019, p. 63). Camp Claiborne. About 200 feet north of South Street and 75 feet west of I Street. Water levels, in feet below land-surface datum, 1945: Jan. 9, 66.85; Sept. 28, 65.85; Oct. 23, 65.69.

R-366 (*1019, p. 63). Camp Claiborne well 11 a. At Camp Claiborne. No measurements made in 1945.

R-368 (*939, p. 32; 947, p. 33; *989, p. 42; 1019, p. 64). Camp Claiborne. 50 feet from well 12. No measurements made in 1945.

R-370 (*1019, p. 64). Camp Claiborne. About 50 feet north of well 13 (Geol. Survey well 369). Water level, in feet below land-surface datum, 1945: Jan. 9, 73.85.

R-381 (*947, p. 33; 989, p. 43; 1019, p. 64). Camp Livingston. Water levels, in feet below land-surface datum, 1945: Sept. 24, 67.19; Oct. 17, 68.29; Nov. 9, 68.58.

R-396 (*1019, p. 64). Camp Claiborne. North observation well on range. Water levels, in feet below land-surface datum, 1945: Jan. 9, 66.69; Sept. 28, 65.11; Oct. 23, 64.85.

R-397 (*1019, p. 65). Camp Claiborne. South observation well near hospital. Water levels, in feet below land-surface datum, 1945: Jan. 9, 58.10; Oct. 23, 56.45.

St. Charles Parish

Sc-6 (*989, p. 43; 1019, p. 65). Shell Oil Co. N $\frac{1}{4}$ sec. 6, T. 12 S., R. 8 E., 1,000 feet south of Louisiana & Arkansas Railway tracks.

So-6--Continued.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	44.83	Mar. 28	42.97	June 20	45.34	Sept. 27	49.13
10	44.88	Apr. 4	42.19	27	44.92	Oct. 3	49.12
17	45.32	11	43.80	July 11	46.10	10	49.24
14	44.33	18	44.29	18	46.06	17	49.10
31	42.60	25	44.04	25	46.42	24	49.04
Feb. 7	43.23	May 2	43.83	Aug. 1	47.53	Nov. 7	48.83
14	42.40	11	44.65	10	48.22	28	41.46
21	42.46	16	45.29	18	47.74	Dec. 5	47.20
28	44.55	23	45.75	24	48.13	13	48.70
Mar. 7	46.90	30	45.67	Sept. 5	48.25	19	49.31
14	46.82	June 6	45.62	12	48.72	27	49.52
21	46.17	13	45.19				

St. Landry Parish

SL-7 (*1019, p. 66). W. J. Durio. In Arnaudville, 50 feet north-west of Shell garage, 100 feet west of State Highway 25.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 9	15.13	July 17	13.97	Oct. 8	16.66
May 6	12.93	Sept. 10	15.73	Nov. 7	16.27
				Dec. 11	16.60

SL-10 (*1019, p. 66). Cankton Gin Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 8 S., R. 3 E., in Cankton, on west side of cotton gin.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 19	39.88	Nov. 8	40.07	Dec. 12	39.82
Oct. 10	40.29	26	40.01		

SL-14 (*1019, p. 66). Z. T. Cary. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 7 S., R. 3 E., in Lewisburg, on south side of cotton gin.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 19	56.26	Oct. 10	55.25	Nov. 26	54.48
Sept. 12	55.77	Nov. 8	54.77	Dec. 12	54.29

SL-19 (*1019, p. 66). Mrs. A. R. Childs. Irregular sec. 64, T. 7 S., R. 2 E., 2.5 miles north of Churchpoint on State Highway 375.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 19	53.26	Oct. 10	52.25	Nov. 26	51.48
Sept. 12	52.77	Nov. 8	51.77	Dec. 12	51.29

SL-26 (*1019, p. 66). George Parker. Irregular sec. 71, T. 4 S., R. 3 E.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Aug. 10	39.20	Oct. 8	39.23	Nov. 24	39.27
Sept. 15	39.29	Nov. 7	39.34	Dec. 11	39.49

SL-29 (*1019, p. 66). Town of Washington. Irregular sec. 27, T. 5 S., R. 4 E. Water levels, in feet below land-surface datum, 1945: Aug. 10, 18.9; Oct. 8, 19.67.

SL-30 (*1019, p. 66). Town of Washington. Irregular sec. 27, T. 5 S., R. 4 E. Water levels, in feet below land-surface datum, 1945: Aug. 10, 18.58; Oct. 8, 19.34.

SL-33. Charles Bye. SW $\frac{1}{4}$ sec. 31, T. 3 S., R. 5 E., about 20 feet west of cotton gin. Unused industrial well, diameter $1\frac{1}{2}$ inches, depth unknown. Measuring point, top of $1\frac{1}{2}$ -inch casing, at land-surface datum.

SI-33--Continued.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Sept. 15	14.04	Nov. 6	14.72	Dec. 11	14.62
Oct. 8	14.54	24	15.02		

SI-35 (*1019, p. 66). Palmetto Mercantile Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 4 S., R. 6 E. Water levels, in feet below land-surface datum, 1945: Sept. 15, 17.46; Oct. 8, 18.41; Nov. 6, 16.55.

SI-40 (*1019, p. 66). Dalfrey Bros. Cotton Gin. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 7 S., R. 5 E.

Water level, in feet below land-surface datum, 1945					
July 17	14.14	Oct. 8	16.43	Nov. 24	16.62
Sept. 10	15.73	Nov. 7	16.45	Dec. 11	16.57

SI-43 (*1019, p. 67). E. C. Simmons. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 6 S., R. 2 E.

Water level, in feet below land-surface datum, 1945					
Sept. 12	60.92	Nov. 8	58.53	Dec. 13	57.38
Oct. 10	59.73	26	58.07		

SI-48 (*1019, p. 67). L. P. Erickson. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 6 S., R. 1 W.

Water level, in feet below land-surface datum, 1945					
Sept. 12	64.90	Nov. 8	55.49	Dec. 13	52.56
Oct. 10	59.95	26	54.05		

SI-57 (*1019, p. 67). Sun Oil Co. Irregular sec. 37, T. 7 S., R. 4 E., 2.0 miles west-northwest of Sunset, on State Highway 5. No measurements made in 1945.

St. Martin Parish

SMn-20 (*1019, p. 67). Smedes Bros. Sugar Mill. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 11 S., R. 5 E., at Cade station.

Water level, in feet below land-surface datum, 1945					
July 18	21.45	Oct. 9	21.77	Nov. 25	23.57
Sept. 10	20.66	Nov. 7	23.88	Dec. 11	24.91

SMn-38 (*1019, p. 67). Gordy Salt Co. Irregular sec. 71, T. 9 S., R. 5 E. Water levels, in feet below land-surface datum, 1945: July 17, 8.13; Nov. 7, 8.13; Nov. 25, 7.89.

SMn-51 (*1019, p. 67). People's Cotton Oil Co. Irregular sec. 35, T. 8 S., R. 6 E., 1.2 miles northeast of Champagne.

Water level, in feet below land-surface datum, 1945					
Jan. 9	6.82	Oct. 8	6.94	Nov. 25	6.78
May 5	1.40	Nov. 7	6.26	Dec. 11	6.27

SMn-58 (*1019, p. 67). St. Joseph Catholic Church. Irregular sec. 55, T. 8 S., R. 6 E., in Cecelia.

Water level, in feet below land-surface datum, 1945					
July 17	11.80	Oct. 8	16.05	Nov. 25	15.88
Sept. 10	15.06	Nov. 7	15.36	Dec. 11	15.42

SMn-61 (*1019, p. 68). Regis Lagrange. T. 8 S., R. 6 E., 3 miles southeast of Arnaudville on State Highway 401.

SMn-61--Continued.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 17	11.79	Oct. 8	14.97	Nov. 25	14.90
Sept. 10	13.95	Nov. 7	14.42	Dec. 11	14.71

SMn-62 (*1019, p. 68). Ernest Fuselier. T. 8 S., R. 6 E., 2.4 miles southeast of Arnaudville on State Highway 401.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 17	12.10	Oct. 8	15.64	Nov. 25	15.14
Sept. 10	14.16	Nov. 7	14.66	Dec. 11	14.95

SMn-63 (*1019, p. 68). L. Charles Willis. Irregular sec. 47, T. 8 S., R. 6 E., 3.5 miles southeast of Arnaudville.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 17	1.77	Oct. 8	6.35	Nov. 24	6.11
Sept. 10	5.42	Nov. 7	5.64	Dec. 11	5.47

SMn-68 (*1019, p. 68). A. R. Fuselier. Irregular sec. 7, T. 11 S., R. 7 E., 3 miles southeast of St. Martinville.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 17	3.68	Oct. 9	4.97	Nov. 25	5.48
Sept. 10	4.01	Nov. 7	5.09	Dec. 11	5.74

SMn-75 (*1019, p. 68). Continental Oil Co. Irregular sec. 57, T. 11 S., R. 6 E., 1.5 miles west of St. Martinville. Measurements discontinued.

St. Tammany Parish

St-2 (*886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; *989, p. 44; 1019, p. 68). Mayer Israel. At Covington, in NE $\frac{1}{4}$ sec. 7, T. 6 S., R. 11 E. Water level, in feet above land-surface datum, 1945: July 27, 84.16.

St-6 (886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; *989, p. 44; 1019, p. 68). Poitevent & Favre Lumber Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 7 S., R. 13 E., on south side of Highway 114. Water level, in feet above land-surface datum, 1945: July 20, 4.7.

St-10 (*886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; *989, p. 44; 1019, p. 68). State Fish Hatchery. At Lacombe, in sec. 38, T. 8 S., R. 12 E., south well. Water level, in feet above land-surface datum, 1945: July 27, 32.3.

St-12 (*886, p. 250; 909, p. 47; 939, p. 32; 947, p. 34; *989, p. 44; 1019, p. 68). Tchefuncte State Park. In park, in sec. 43, T. 8 S., R. 12 E., on golf course. Water level, in feet above land-surface datum, 1945: July 27, 45.3.

St-16 (*886, p. 250; 909, p. 47; 939, p. 33; 947, p. 34; *989, p. 44; 1019, p. 68). Great Southern Lumber Co. In sec. 20, T. 5 S., R. 13 E., 0.5 mile south and 1.5 miles west of Bush. Water level, in feet above land-surface datum, 1945: July 20, 36.85.

St-88 (*947, p. 34; *989, p. 44; 1019, p. 69). G. R. Howze. In Slidell, at Teddy Avenue and Eighth Street. Water level, in feet above land-surface datum, 1945: July 27, 11.1.

St-367 (*947, p. 34; *989, p. 44; 1019, p. 69). J. L. Smith. In Covington, at Mississippi and Hancock Streets. No measurements made in 1945.

St-1020 (*947, p. 34; *989, p. 44; 1019, p. 69). H. D. Howser Estate. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 7 S., R. 14 E., half a mile east of Highway 58. Water level, in feet above land-surface datum, 1945: July 20, 17.3.

Tangipahoa Parish

Ta-5 (*886, p. 251; 909, p. 47; 939, p. 33; 947, p. 34; *989, p. 44; 1019, p. 69). Southern United Ice Co. In Amite, at rear of lot behind ice plant. Water level, in feet above land-surface datum, 1945: July 27, 9.4.

Ta-7 (*886, p. 251; 909, p. 47; 939, p. 33; 947, p. 34; *989, p. 44; 1019, p. 69). Town of Ponchatoula. In Ponchatoula, about 50 feet west of pumping station. Water level, in feet above land-surface datum, 1945: July 20, 8.3.

Ta-8 (*886, p. 251; 909, p. 47; 939, p. 33; 947, p. 34; *989, p. 44; 1019, p. 69). Louisiana Cypress Lumber Co. In Ponchatoula, about 200 yards west of Highway 122, at railroad spur on road to lumber mill. Water level, in feet above land-surface datum, 1945: July 20, 5.8.

Ta-10 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 34; *989, p. 45; 1019, p. 69). Williams Lumber Co. 1 mile south of Ponchatoula, at arch across Highway 122. Water level, in feet above land-surface datum, 1945: July 20, 20.7.

Ta-17 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69). Carl Blumquist. Center of NE $\frac{1}{4}$ sec. 6, T. 6 S., R. 8 E., in field corner. Water level, in feet above land-surface datum, 1945: July 20, 2.7.

Ta-19 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69). V. Stevens. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 7 S., R. 8 E., in field. Water levels, in feet above land-surface datum, 1945: July 20, 17.3; Nov. 15, 16.5.

Ta-21 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69). Burns Davis. N $\frac{1}{4}$ irregular sec. 54, T. 7 S., R. 7 E., at shed. Water level, in feet above land-surface datum, 1945: July 19, 8.0.

Ta-23 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69). Otto Bignor. South line of sec. 50, T. 7 S., R. 7 E., in field. Water level, in feet above land-surface datum, 1945: July 19, 3.7.

Ta-24 (*886, p. 251; 909, p. 48; 939, p. 33; 947, p. 35; *989, p. 45; 1019, p. 69). Clyde Starkey. Center of sec. 53, T. 7 S., R. 7 E., in field. Water level, in feet above land-surface datum, 1945: July 19, 5.45.

Ta-242. Byron Stevens. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 7 S., R. 8 E. Used drilled irrigation well, diameter 2 inches, depth 405 feet. Measuring point, top of 2-inch tee on well casing which is 1 foot above land-surface datum. Automatic pressure recorder installed July 27, 1945.

Water level, in feet above land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20	12.7	Aug. 17	13.0	Sept. 22	12.9	Nov. 30	12.2
July 27	13.0	31	13.2	Oct. 5	12.7	Dec. 7	14.2
Aug. 3	13.4	Sept. 7	12.7	19	12.7	14	14.2
10	13.1	15	12.7	Nov. 16	11.6		

Vermilion Parish

Ve-6 (*1019, p. 69). City of Abbeville well 5. In Abbeville, at waterworks.

Ve-6--Continued.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 18	11.52	Oct. 9	10.74	Dec. 12	10.97
Sept. 11	10.67	Nov. 26	11.00		

Ve-22 (*1019, p. 69). Maurice Ginning Co. In gin yard, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 11 S., R. 3 E., in Maurice.

Water level, in feet below land-surface datum, 1945					
July 21	19.08	Nov. 8	18.90	Dec. 12	18.83
Oct. 9	19.05	26	18.89		

Ve-28 (*1019, p. 70). U. S. Army Engineer Corps, New Orleans District. At Vermilion Locks on Intracoastal Canal.

Water level, in feet below land-surface datum, 1945					
July 18	2.89	Oct. 9	3.04	Dec. 12	3.47
Sept. 11	2.89	Nov. 7	3.14		

Ve-41 (*1019, p. 70). C. Formen. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 11 S., R. 2 E.

Water level, in feet below land-surface datum, 1945					
July 21	29.38	Oct. 19	25.55	Nov. 26	24.56
Sept. 11	26.35	Nov. 8	24.83	Dec. 12	24.25

Ve-60 (*1019, p. 70). Meaux School. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 12 S., R. 3 E. Measurements discontinued.

Ve-78 (*1019, p. 70). J. F. Noel. Irregular sec. 14, T. 13 S., R. 3 E.

Water level, in feet below land-surface datum, 1945					
July 18	8.05	Oct. 9	7.88	Nov. 26	8.36
Sept. 11	7.68	Nov. 7	8.15	Dec. 12	8.50

Ve-97 (*1019, p. 70). George Broussard. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 13 S., R. 2 E.

Water level, in feet below land-surface datum, 1945					
Aug. 11	3.49	Nov. 7	3.67	Dec. 7	4.07
Sept. 11	3.18	26	3.94		

Ve-106 (*1019, p. 70). H. DuBois. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 12 S., R. 2 E.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	10.67	Sept. 11	11.75	Nov. 7	11.79	Dec. 12	11.97
Aug. 11	12.10	Oct. 9	11.76	26	11.88		

Ve-118 (*1019, p. 70). Henry High School. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 13 S., R. 4 E. Water levels, in feet below land-surface datum, 1945: Sept. 11, 7.50; Oct. 9, 7.64; Nov. 7, 8.10; Nov. 25, 8.19.

Ve-120 (*1019, p. 70). Erath Sugar Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 12 S., R. 4 E., in Erath.

Water level, in feet below land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
July 18	7.81	Oct. 9	7.14	Nov. 25	8.28
Sept. 10	7.20	Nov. 7	8.12	Dec. 12	8.09

Ve-124. Dr. G. L. Gardiner. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 12 S., R. 2 W. Used drilled irrigation well, diameter 10 inches, depth 300 \pm feet. Measuring point, bottom edge of discharge pipe, the distance from measuring point to land-surface datum along pipe being 3.40 feet. Water levels, in feet below land-surface datum, 1945: Sept. 27, 10.54; Oct. 11, 10.03; Nov. 9, 9.35; Dec. 14, 8.67.

Ve-125. Loffland Bros. Sec. 33, T. 11 S., R. 1 W. Unused drilled industrial well, diameter 4 inches, depth 179.6 feet. Measuring point, top edge of 1-inch nipple (airline) which is 2.60 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Sept. 27, 13.20; Oct. 11, 12.74; Nov. 9, 11.78; Dec. 14, 10.82.

Ve-126. Magnolia Petroleum Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 12 S., R. 2 W. Unused drilled industrial well, diameter 4 inches, depth 209 feet. Measuring point, top of 1-inch nipple (airline) which is 2.30 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Sept. 27, 11.53; Oct. 11, 10.76; Nov. 9, 9.87; Dec. 14, 8.92.

Ve-127. Loffland Bros. Sec. 33, T. 11 S., R. 1 W. Unused drilled industrial well, diameter 4 inches, depth 179.2 feet. Measuring point, top inside edge of 4-inch casing inside 4-inch tee, which is 2.8 feet above land-surface datum. Water levels, in feet below land-surface datum, 1945: Sept. 27, 10.85; Oct. 11, 10.02; Nov. 9, 9.10; Dec. 14, 8.21.

Washington Parish

Wa-8. Vertrees Young. N $\frac{1}{2}$ irregular sec. 45, T. 3 S., R. 13 E., 0.8 mile from State Highway 7 on Young's Road, in Pine Shadows Addition, in Bogalusa.

Water level, in feet above land-surface datum, 1942-45

Date	Water level	Date	Water level	Date	Water level
Feb. 2, 1942	28.7	Apr. 5, 1944	26.6	July 20, 1945	20.3
May 12, 1943	26.9	Nov. 2	19.9		

Webster Parish

Wb-15. International Paper Co. well 3. Southern Kraft Division. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 23 N., R. 11 W., about 40 feet east of well Wb-91. Unused drilled industrial well, diameter 12 inches, depth 217 feet. Measuring point, top of 18-inch pit casing, at land-surface datum. Automatic water-stage recorder installed June 20, 1945.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	June	July	Aug.	Sept.	Oct.	Nov.
1	107.8	107.6	107.3	107.2	107.0
2	107.9	107.5	107.3	107.3	107.0
3	107.8	107.4	107.2	107.3	107.1
4	107.8	107.3	107.2	107.3	107.4
5	107.7	107.4	107.1	107.1	107.2
6	107.8	107.5	107.0	107.1	107.1
7	107.7	107.4	107.1	107.2	107.2
8	107.7	107.4	107.2	107.1	107.1
9	107.6	107.4	107.2	107.2	107.1
10	107.6	107.3	107.1	107.2	107.3
11	107.7	107.3	107.1	107.2	107.3
12	107.6	107.3	107.0	107.2	107.2
13	107.5	107.3	106.9	107.2	107.0
14	107.5	107.3	107.1	107.2	107.1
15	107.5	107.3	107.3	107.3	107.5
16	107.6	107.3	107.2	107.3	107.4
17	107.6	107.2	107.1	107.3	107.2
18	107.6	107.2	107.1	107.2	107.2
19	107.5	107.2	107.1	107.1	107.1

Wb-15--Continued.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	June	July	Aug.	Sept.	Oct.	Nov.
20	.....	107.5	107.3	107.1	107.2	107.2
21	107.8	107.5	107.3	107.2	107.1	107.3
22	107.8	107.4	107.2	107.2	107.2	107.3
23	107.8	107.4	107.2	107.2	107.1	107.4
24	107.8	107.4	107.3	107.2	107.2	107.4
25	107.8	107.5	107.3	107.2	107.2	107.1
26	107.8	107.4	107.3	107.3	107.3	107.0
27	107.7	107.3	107.2	107.2	107.4	107.1
28	107.7	107.3	107.2	107.1	107.4	107.2
29	107.7	107.4	107.3	107.1	107.4	.....
30	107.8	107.5	107.3	107.1	107.4	.....
31		107.6	107.3		107.1	

Wb-91. International Paper Co. well 4. Southern Kraft Division. NE $\frac{1}{4}$ sec. 22, T. 23 N., R. 11 W., about 40 feet west of Wb-15. Unused drilled industrial well, diameter 12 inches, depth 404 feet. Measuring point, top of 18-inch pit casing, 1 foot below land-surface datum. Automatic water-stage recorder installed June 15, 1945.

Daily noon water level, in feet below land-surface datum, 1945
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 15	167.3	July 12	165.9	Aug. 7	166.3	Sept. 2	163.6
16	167.5	13	166.0	8	166.0	3	162.6
17	167.6	14	166.0	9	166.6	4	163.7
18	167.6	15	166.0	10	166.9	5	163.6
19	168.3	16	165.8	11	167.0	15	167.0
20	168.6	17	165.8	12	167.1	16	166.2
21	168.6	18	165.9	13	167.1	17	166.0
22	168.2	19	165.9	14	167.0	18	166.1
23	168.1	20	165.7	15	167.0	19	165.8
24	167.9	21	165.2	16	166.2	20	165.8
25	167.7	22	165.3	17	166.0	21	165.6
26	167.5	23	165.4	18	166.1	22	165.4
27	167.3	24	165.4	19	165.8	23	165.2
28	167.3	25	165.4	20	165.8	24	164.4
29	167.3	26	166.8	21	165.6	25	164.5
30	167.3	27	172.0	22	165.4	26	164.5
July 1	167.3	28	172.9	23	165.2	27	164.5
2	167.3	29	167.7	24	164.4	28	164.4
3	167.2	30	164.4	25	164.5	29	164.1
4	167.2	31	164.1	26	164.5	30	164.0
5	163.8	Aug. 1	165.9	27	164.5	Oct. 1	164.0
6	163.7	2	166.0	28	164.4	2	163.8
7	164.8	3	166.0	29	164.1	3	163.6
8	165.4	4	166.0	30	164.1	4	162.6
9	166.1	5	166.0	31	164.0	5	163.7
10	165.9	6	166.0	Sept. 1	163.8	6	163.6
11	165.8						

West Baton Rouge Parish

WBR-4 (*989, p. 45; 1019, p. 71). Town of Port Allen. Sec. 66, T. 7 S., R. 12 E., at Port Allen, about 40 feet north of municipal swimming pool.

Water level, in feet above land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 18	11.1	June 29	27.3	Dec. 31	15.9
May 27	31.7	Aug. 26	9.9		

WBR-5 (*989, p. 45; 1019, p. 71). Town of Port Allen. Sec. 66, T. 7 S., R. 12 E., at Port Allen, about 20 feet south of reservoir behind pumping plant.

Water level, in feet above land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Feb. 18	31.9	June 29	34.7	Dec. 31	32.1
May 27	34.5	Aug. 26	31.6		

WBR-10 (*989, p. 46; 1019, p. 71). Poplar Grove Plantation. Sec. 59, T. 7 S., R. 12 E., south side of pond at sugar mill.

Water level, in feet above land-surface datum, 1945					
Date	Water level	Date	Water level	Date	Water level
Jan. 24	2.8	May 27	23.0	June 11	14.7
Feb. 18	8.6	June 19	16.2	30	15.2

OKLAHOMA

By E. W. Reed

PROGRAM OF WORK

The observation-well program in Oklahoma was continued in 1945 in cooperation with the Oklahoma Geological Survey and the Oklahoma Agricultural and Mechanical College as part of the investigation of the ground-water resources of the State.

The program was started in the Stillwater Creek Basin in cooperation with Dr. H. J. Harper, head of the Department of Agronomy of the Oklahoma Agricultural and Mechanical College, at Stillwater. Dr. M. J. Plice, also of the Department of Agronomy, has made the measurements since 1940, and continued to do this work in 1945. Measurements in the irrigation well at the Southwestern Cotton Substation, near Tipton, started in 1944, were continued during 1945, through the courtesy of I. M. Parrott, Superintendent. The substation is operated by the Oklahoma Agricultural and Mechanical College and the United States Department of Agriculture. The remainder of the observation-well program was conducted in cooperation with the Oklahoma Geological Survey. It includes measurements of wells in Beaver, Cimarron, and Texas Counties (the Panhandle) begun in 1937; in Cleveland County, begun in 1939; in Blaine, Canadian, Harper, Major, and Woodward Counties (the North Canadian River Valley), begun in 1940; in Oklahoma County, begun in 1943; and in Caddo County, begun in 1945.

The location of the observation wells is shown in figure 9.

Brief descriptions of the topography and geology of the parts of the State covered by the well-measurement program and their relation to the ground-water conditions in these areas have been published by the Geological Survey as follows: Stillwater Creek Basin, in Water-Supply Paper 777; the Panhandle, in Water-Supply Papers 840 and 845; Cleveland County, in Water-Supply Papers 886 and 939; the North Canadian River Valley, in Water-Supply Paper 909; Oklahoma County, in Water-Supply Paper 989 and this

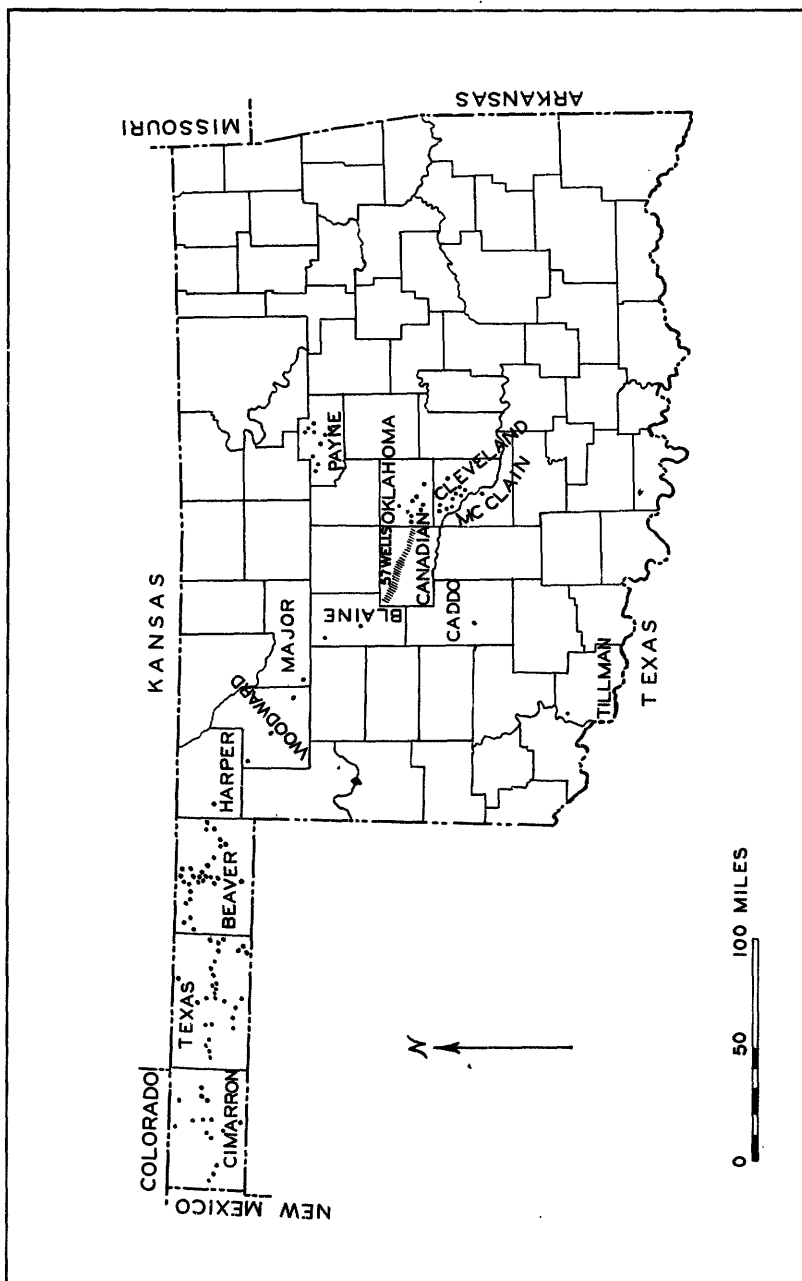


Figure 9.—Map of Oklahoma showing observation wells, 1945.

report; Tillman County in Water-Supply Paper 1019; and Caddo County in this report.

During the year 1,085 measurements were made in 168 wells, and 2 additional wells were equipped with automatic water-stage recorders. Nine wells were dropped from the program and seven were added. The wells in the Panhandle were measured semiannually, except for Beaver 528 which was measured weekly, as were the Cleveland County wells and the Tillman County well. The Oklahoma, Caddo, McClain, and Payne County wells were measured monthly. The North Canadian River Valley wells were measured five times during the year, and the Canadian County wells three times, except for the wells north of Yukon which, during the last half of the year, were measured monthly.

During 1945, as in 1944, the county surveys were greatly slowed because of the continued press of military, municipal, and industrial problems due to the war. After V-J day, such problems increased rather than diminished, mostly because of the deferred maintenance problems of municipal supplies. Among such areas studied during the year were Tipton, Langston, Hennessey, Erick, Duncan, and others. At the beginning of the year, the Water Resources Branch of the Geological Survey finished its studies of the general water resources of the State, in cooperation with the Oklahoma Planning and Resources Board, with the publication by the Oklahoma Planning and Resources Board of a report entitled "Oklahoma Water". The Norman office prepared the section on ground water.

In the latter half of the year, an investigation of the water resources of the Rush Springs sandstone of southwestern Oklahoma was started, work generally being confined to Grady and Caddo Counties.

PRECIPITATION

According to the 1945 annual summary of the U. S. Weather Bureau, the average precipitation in Oklahoma for 1945 was 41.89 inches, which is 8.99 inches above the 54-year average. However, the distribution was not even over the entire State, the central and eastern portions receiving excessive amounts but the western portion received below normal amounts.

Precipitation in the Panhandle ranged from 11.62 inches at Boise City to 18.32 inches at Beaver, averaging 15.28 inches, about 2.3 inches below normal.

For nine stations along the North Canadian River Valley, from Oklahoma City to Supply, the average precipitation was 28.33 inches, about 1.4 inches above normal.

The precipitation at Norman, in Cleveland County was more than 45 inches, which was more than $12\frac{1}{2}$ inches above normal. In Payne County, at Stillwater, it was 34.03 inches, which was 0.68 inch above normal; and at Anadarko, in Caddo County, it was 42.38 inches, which was 14.98 inches above normal.

PUMPAGE

Panhandle

The amount of water pumped from wells in the Oklahoma Panhandle during 1945 is estimated to be about 1,700 acre-feet, divided as follows: Beaver County, 350 acre-feet, Texas County, 1,160 acre-feet, and Cimarron County, 190 acre-feet. Most of this increase over last year's figures is due to increased pumpage from municipal wells, caused by increased population in the cities and also the extremely dry summer and fall.

Cleveland County

Pumpage from the "Norman water sands" in Cleveland County, estimated at more than 5 million gallons a day during 1944, continued at this rate with seasonal variations throughout most of the year. Reduction in activities at the naval bases resulted in a slight decrease in pumpage in the last several months. However, two new supply wells, drilled north of the Naval Air Station were put into service during the early part of the year, spreading the area of concentrated pumpage out and shifting the center of pumpage further north where the sands are thicker and more permeable. These new wells permitted the shutting down of the old wells in the City Park, with a resultant rise in water level in the city area.

FLUCTUATIONS OF WATER LEVEL

Panhandle

In the three Panhandle counties--Beaver, Texas, and Cimarron--the water levels in the Ogallala formation, the most important aquifer in the area, continued the general rise started in 1941 and set new highs for the period of record. Compared to the October 1944 levels (the previous high on record) the October 1945 average water level in Beaver County was 0.34 foot

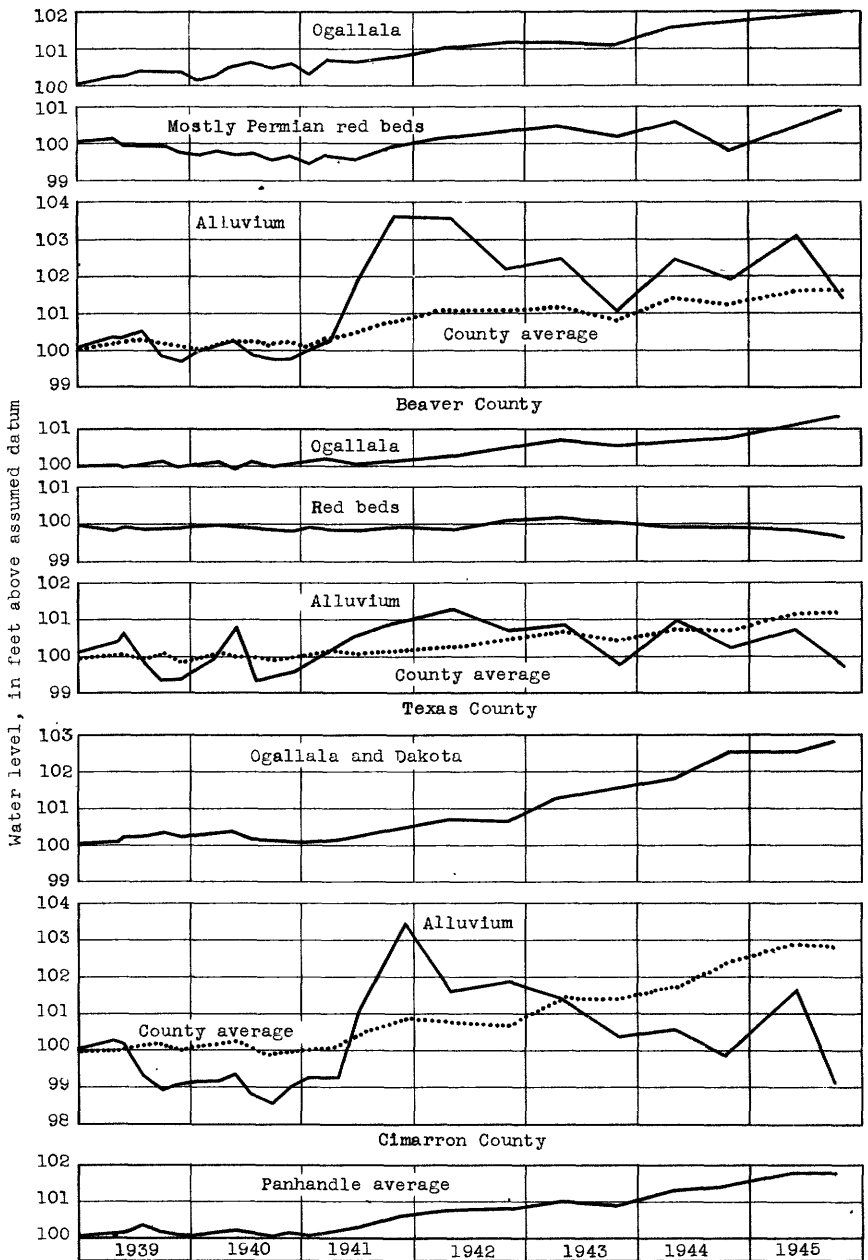


Figure 10.--Graphs showing average water level, by counties and by aquifers tapped, in wells in the Panhandle counties, Oklahoma.

higher, in Texas County, 0.58 foot higher, and in Cimarron County, it was 0.75 foot higher. The greatest rise during the period of record occurred in Cimarron County, where the droughts of the thirties were most severe, and serves to indicate to some extent the effect these droughts had on the water table.

The average water level of the wells tapping the redbeds of Beaver County, in October 1945, was the highest recorded for this group of wells, being 0.12 foot higher than in October 1944, when the previous high was recorded. However, in Texas County, the water level in the one redbed well measured in October 1945 was the lowest ever recorded and was 0.29 foot lower than in October 1944 and 0.18 foot lower than the previous lowest recorded level, which occurred in both June 1941 and April 1942.

The water levels in the shallow wells tapping the alluvium of the streams were relatively high during May 1945 but the October 1945 measurements showed an average decline of 1.73 feet since May.

Because of the relatively large rise of the water level in the Ogallala formation, the weighted average water level of all the observation wells in the Panhandle, in October 1945, was 0.51 foot higher than the level in October 1944, and is the highest stage recorded since measurements began in 1937.

The following tables, which summarize these data, present for comparison the average water level in October 1944 and in May and October 1945 for each of eight groups of wells in the Oklahoma Panhandle, and the net change for each group from October 1944 to October 1945. The second table shows the weighted average water levels by counties and for the Panhandle as a whole. These tables serve to continue the record of averages given in similar tables in earlier water-supply papers. An asterisk indicates that the water level is the highest observed during the period of record.

Average water levels in groups of wells in the Oklahoma Panhandle, in feet above assumed datum planes, 1944-45

Date	Beaver County			Texas County			Cimarron County		
	1	2	3	4	5	6	7	8	
Oct. 1944	101.68	99.81	101.91	100.74	99.91	100.14	102.49	99.84	
May 1945	101.85	100.36	103.12	101.16	99.83	100.70	103.04	101.64	
Oct. 1945	*102.02	*100.70	101.31	101.32	99.62	99.76	103.24	99.22	
Net change	+0.34	+0.89	-0.60	+0.58	-0.29	-0.38	+0.75	-0.62	

1. Wells in northwestern part of Beaver County, tapping water in the Ogallala formation.
2. Wells in southeastern part of Beaver County, tapping water principally in the Permian redbeds.
3. Wells tapping water in alluvium.
4. Wells on uplands, tapping water in the Ogallala formation.

5. Well 294, tapping water in the Triassic or Permian redbeds.
6. Wells tapping water in alluvium.
7. Wells on the uplands, tapping water in the Ogallala formation, and in some places, in the Dakota sandstone.
8. Wells tapping water in the alluvium.

Weighted average water levels in wells in the Oklahoma Panhandle, by counties, in feet above assumed datum planes, 1944-45

Date	Beaver ^a	Texas ^b	Cimarron ^c	Averaged ^d
Oct. 1944	101.24	100.69	102.22	101.38
May 1945	101.61	101.11	*102.90	101.87
Oct. 1945	*101.62	*101.21	102.83	*101.88
Net change	+0.38	+0.52	+0.61	+0.50

a Weighted average, in which wells in the northwestern part of county represent 65 percent of the total area; wells in the southeastern part, 25 percent; and wells in the alluvium, 10 percent.

b Weighted average, in which upland wells in Ogallala formation represent 93 percent; wells in the alluvium, 5 percent; and wells in redbeds (Permian to Jurassic ?), 2 percent.

c Weighted average, in which upland wells in Ogallala formation and Dakota sandstone represent 90 percent of the total area and wells in the alluvium, 10 percent.

d Arithmetical average of the three weighted county averages.

Caddo County

Measurements in the Caddo County observation well were started in August 1945. This well taps the Rush Springs sandstone, one of the major potential aquifers in western Oklahoma. The Rush Springs sandstone consists almost entirely of red cross-bedded, poorly cemented sandstone. It crops out over a large area of the Anadarko basin in west-central Oklahoma and, in some places, is 350 feet thick.

The water level in the well, measured approximately monthly, showed a continuous rise during the latter part of the year, in response to the heavy precipitation in the area, and on December 4, 1945, was 0.59 foot higher than on August 21.

Cleveland County

The observation-well program in Cleveland County, begun in 1937, was continued in 1945. At the end of the year there were 10 wells being regularly observed, 2 of which were added during the year. All but one are deep artesian wells that tap the "Norman water sand," and the other, Cleveland County well 1, is a shallow dug well on a high terrace of the Canadian River.

The terrace in which Cleveland County well 1 is located is small and there is no pumpage of any magnitude from it. Thus, it reflects the natural change of the water table due to precipitation and evaporation and transpiration losses. During the first 2 months of 1945, the water

level varied little, but during March, in response to heavy precipitation, the water level rose about 4 feet. Further precipitation during April, May, June, and July caused similar but smaller rises with succeeding declines during the dry parts of the months until, on July 11, the water level reached the highest stage of the year, only 0.83 foot lower than the highest stage of record which occurred on June 7, 1941. From the July 11 high the water level declined through the remainder of July and through August and most of September until, on September 24, it was 5.64 feet lower than on July 11. Heavy rains caused a rise of a little less than 2 feet during the remainder of the month, from which it gradually declined during the rest of the year. At the end of the year the water level was 2.01 feet higher than at the end of 1944.

Well 4, in the City Park, rose more than 30 feet during the year, and well 10, at the University of Oklahoma, about three-quarters of a mile farther south, rose more than 27 feet. The water level in well 5, which is $5\frac{1}{2}$ miles east of Norman, rose during the early part of the year in response to decreased pumpage and the shift in the center of pumpage, then declined during the summer months but rose again during the fall and winter until, at the end of the year, the water level was almost 3 feet higher than at the beginning. In well 6, about $5\frac{1}{2}$ miles southeast of Norman, the fluctuations in water level followed a pattern similar to that in well 5, and at the end of the year the water level was also almost 3 feet higher than at the beginning.

However, in well 12, about 3 miles west of the new city wells, the water level declined during most of the year, reflecting the expansion of the cones of depression of the new wells, and on December 28, 1945, it was 8.25 feet lower than on March 27, 1945, when measurements were started. Well 13, in the West Moore oil field, about 8 miles northwest of Norman, also showed a decline of water level in the period of measurement, declining 3.20 feet from September 24 to December 28, 1945. This decline is due to nearby pumpage in the oil field where drilling has been active during the year.

Oklahoma County

The water levels in the three deep observation wells tapping the Garber and Wellington sands north of Oklahoma City generally reflected change in pumpage, rising during the spring, declining during the summer and fall, reaching a minimum stage during September or October, and rising again in the latter part of the year. At the end of the year, the water level in well 1 was 6.06 feet higher than at the end of 1944, in well 2 it was 5.80 feet higher, and in well 3 it was 3.07 feet higher. These rises are due to decrease in total pumpage during the year caused by excessive rainfall and a relatively cool summer.

Well 4, also a deep well, situated close to one of the supply wells of the Oklahoma City Air Depot, is affected by the pumpage of the nearby well but also reflects the total withdrawal of the air depot, the nearby Douglas plant and Midwest City. The water level varied considerably from day to day but the general trend was a slight rise during the first part of the year, then a decline during the summer months due to increased seasonal pumpage and a large rise in water level following V-J day when activities at the Douglas plant were abruptly reduced. The reduction in pumpage of about one-third caused the water level to rise almost 36 feet from August 1945 to the end of the year.

The water levels in the five shallow observation wells within the Oklahoma City emergency well field and tapping the alluvium of the North Canadian River Valley, generally responded quickly to precipitation. Water levels rose during the first 6 months in response to heavy precipitation and reached their highest recorded stages at the end of June. They then declined through the summer months, rose again in response to heavy rainfall at the end of September, and declined slightly from this peak through the remainder of the year. At the end of the year the wells at Pennsylvania Avenue and Reno Street averaged 2.53 feet higher than at the end of 1944, and the well 1 mile west was 6.91 feet higher at the end of 1945 than at the end of 1944.

Three new wells in Oklahoma County were added to the program during the last half of the year. These wells are shallow and were drilled by the Oklahoma City Water Department in the high terrace of the North Canadian River near Bethany. This terrace covers about 30 square miles and

consists of unconsolidated deposits of sands, clays, and gravels. The terrace is at present being actively dissected by the tributary drainage of both the North Canadian and Cimarron Rivers, the divide between the two stream systems being on the terrace. Precipitation on the terrace is the main source of ground water in the terrace which occurs under water-table conditions. Discharge occurs through pumpage from wells, which is relatively small, transpiration and evaporation losses, and effluent seepage into the lower terraces, the streams, and the Bluff Creek Canal which is used to transport selected flood flows from the North Canadian River to Lake Hefner, the municipal reservoir for Oklahoma City.

The wells are located approximately half a mile, 1 mile, and $1\frac{1}{2}$ miles east of the river, the two wells closest to the river fluctuating the most. These wells declined about $1\frac{1}{2}$ feet during August and September, rose about a foot due to the fall rains and then declined during the rest of the year due to a dry period. The well farthest from the river showed little fluctuation during the last half of the year, the total range being only 0.27 foot, but these minor fluctuations were roughly parallel to those of the other wells.

North Canadian River Valley

The observation wells in the North Canadian River Valley from Yukon to Beaver are all near the river and the water levels respond more to changes in the stage of the river than to precipitation. The well at Beaver, which is measured weekly, indicates the general trends of the water level during the year. During the first 6 months the water level rose steadily due to continued flow in the river and slightly excess rainfall, rising sharply at the end of June to the highest stage of the year--about $4\frac{1}{2}$ feet above the stage at the beginning of the year. During the next three months it declined in response to lack of flow in the river and very little precipitation and reached a low at the end of September more than 5 feet lower than the high stage. During the rest of the year, when transpiration and evaporation losses were at a minimum, flow in the river resumed and, although precipitation was below normal for these months, the water level rose slightly, so that at the end of the year it was 0.46 foot lower than at the beginning. In general, the water levels in the other wells along the river conformed to this pattern and, at the end of the year, were slightly lower than at the beginning.

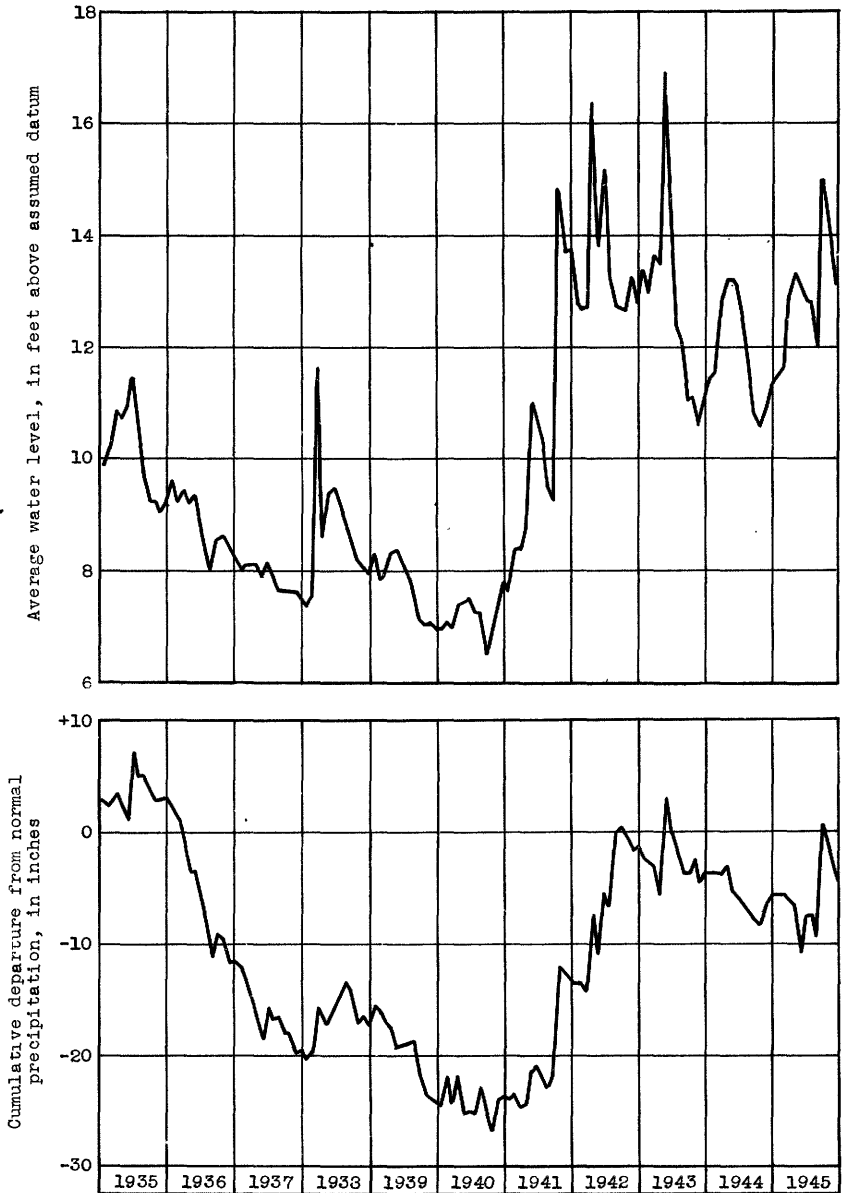


Figure 11.--Graphs showing average water level and cumulative departure from normal precipitation since January 1, 1931, in wells in the Stillwater Creek Basin, Oklahoma.

Stillwater Creek Basin

As shown in figure 11, water levels in the Stillwater Creek Basin were slightly higher during 1945 than during 1944. During the first part of the year precipitation was about normal, transpiration and evaporation losses were at a minimum, and the average water level rose more than $1\frac{1}{2}$ feet. During the summer precipitation was less than normal, transpiration and evaporation losses were high, and the average water level declined more than a foot. Heavy rains at the end of September caused a large rise in water level, the highest recorded in the past 2 years--3.64 feet above the water level at the beginning of the year. Below-normal precipitation during the last 3 months, caused the water level to decline sharply from the peak at the beginning of October, but, at the end of the year the water level was 1.32 feet higher than at the end of 1944. Generally, water levels in the wells were considerably above average during the year.

Tillman County

Weekly measurements of water level, started in November 1944 in the irrigation well at the Southwestern Cotton Substation, near Tipton, were made throughout the year and, since the well was not pumped during the year, the water levels reflect the natural fluctuations of the water table in the terrace deposit on which the well is situated.

During the latter part of 1944, the water level showed a slight rise which continued through the first part of May. Precipitation during this period, although not heavy, was fairly regular, and coupled with the seasonal decrease in transpiration and evaporation losses, accounted for the rise. During the latter half of May and the first week in June, no rain fell and the water level declined slightly. Heavy rains through June, July, and the first part of August caused the water level to rise more than a foot. It declined through the remainder of August and most of September until heavy rains caused another rise. Lack of precipitation during the last months caused a slight decline. At the end of the year the water level was slightly more than a foot higher than at the end of 1944.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Beaver County

62 (#845, p. 391; 886, p. 601; 909, p. 58; 939, p. 46; 947, p. 48; #989, p. 60; 1019, p. 85). Ray D. Hall. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 1 N., R. 23 E. Water level, in feet below land-surface datum, 1945: May 14, 161.52.

401 (*845, p. 391; 886, p. 601; 909, p. 59; 939, p. 47; 947, p. 48; *989, p. 60; 1019, p. 85). T. T. Yarnold. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 3 N., R. 24 E. Water levels, in feet below land-surface datum, 1945: May 14, 92.09; Oct. 23, 91.84.

417 (*845, p. 339; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; *989, p. 60; 1019, p. 85). Ralph Ridgeway. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 3 N., R. 25 E. Water level, in feet below land-surface datum, 1945: Oct. 23, 12.19.

418 (*845, p. 389; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; *989, p. 60; 1019, p. 85). Nile J. Mosburg. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 3 N., R. 25 E. Water levels, in feet below land-surface datum, 1945: May 14, 61.45; Oct. 23, 61.50.

432 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; *989, p. 60; 1019, p. 85). George H. Button. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 3 N., R. 26 E. Water levels, in feet below land-surface datum, 1945: May 14, 27.08; Oct. 23, 26.47.

433 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; *989, p. 60; 1019, p. 85). Federal Land Bank. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 3 N., R. 26 E. Water levels, in feet below land-surface datum, 1945: May 14, 39.12; Oct. 23, 39.13.

454 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47; 947, p. 48; *989, p. 60; 1019, p. 85). J. W. Hibbs and others. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 3 N., R. 26 E. Water level, in feet below land-surface datum, 1945: May 14, 115.60.

464 (*845, p. 388; 886, p. 596; 909, p. 60; 939, p. 47; 947, p. 49; *989, p. 60; 1019, p. 86). N. W. Johnson. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 3 N., R. 28 E. Measurements discontinued.

518 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47; 947, p. 49; *989, p. 60; 1019, p. 86). Pete Sanders Estate. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 4 N., R. 23 E. No measurements made in 1945.

523 (*845, p. 389; 886, p. 597; 909, p. 60; 939, p. 47; 947, p. 49; *989, p. 60; 1019, p. 86). Frances M. Hancock. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 4 N., R. 24 E. Water level, in feet below land-surface datum, 1945: Oct. 23, 23.07.

526 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47; 947, p. 49; *989, p. 61; 1019, p. 86). Elmer E. Thompson. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 4 N., R. 24 E. Water levels, in feet below land-surface datum, 1945: May 14, 43.64; Oct. 23, 41.29.

527 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47; 947, p. 49; *989, p. 61; 1019, p. 86). Mrs. Ellen F. Williams. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 4 N., R. 24 E. Water levels, in feet below land-surface datum, 1945: May 14, 46.23; Oct. 23, 46.24.

528 (*886, p. 600; 909, p. 60; 939, p. 47; 947, p. 49; *989, p. 61; 1019, p. 86). Southwestern Public Service Co. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 4 N., R. 24 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	13.65	Mar. 15	12.65	May 27	12.19	Aug. 3	13.19
11	13.53	22	12.57	June 2	12.28	10	12.69
18	13.48	29	12.57	9	12.32	17	13.06
25	13.44	Apr. 7	12.46	16	12.36	23	13.80
Feb. 1	13.28	14	12.55	23	10.53	30	13.55
8	13.11	21	12.53	29	9.11	Sept. 4	13.78
15	13.11	28	12.44	July 5	10.36	11	13.94
23	13.03	May 5	12.36	12	10.26	19	14.03
Mar. 1	12.94	12	12.36	19	11.26	27	14.36
8	12.78	19	12.36	28	11.94	*Oct. 3	14.28

528--Continued.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 10	14.15	Oct. 30	14.11	Nov. 20	14.07	Dec. 13	13.98
17	14.11	Nov. 6	14.11	28	14.03	20	13.94
23	14.03	13	14.11	Dec. 6	13.98	27	13.90

573 (*845, p. 388; 886, p. 595; 909, p. 61; 939, p. 48; 947, p. 49; *989, p. 61; 1019, p. 86). Federal Land Bank. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 4 N., R. 28 E. Water levels, in feet below land-surface datum, 1945: Feb. 7, 14.62; July 11, 13.46.

576 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; *989, p. 61; 1019, p. 86). J. C. Peters. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 5 N., R. 20 E. Water levels, in feet below land-surface datum, 1945: May 14, 158.48; Oct. 23, 158.41.

577 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; *989, p. 61; 1019, p. 86). George Loopp. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 5 N., R. 20 E. Water levels, in feet below land-surface datum, 1945: May 14, 139.04; Oct. 24, 138.94.

591 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; *989, p. 61; 1019, p. 86). A. J. Isaac. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 5 N., R. 21 E. Water levels, in feet below land-surface datum, 1945: May 14, 191.09; Oct. 23, 191.14.

593 (*845, p. 389; 886, p. 598; 909, p. 61; 939, p. 48; 947, p. 49; *989, p. 61; 1019, p. 87). Ada Allred. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 5 N., R. 21 E. Water levels, in feet below land-surface datum, 1945: May 14, 171.56; Oct. 23, 171.71.

612 (*939, p. 48; *947, p. 50; *989, p. 61; 1019, p. 87). Clarence Lamaster. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 4 N., R. 28 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 7	12.37	July 11	11.51	Oct. 23	12.64
May 14	11.43	Sept. 12	12.79	Nov. 15	12.65

613 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). T. J. Trew. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 5 N., R. 22 E. Water levels, in feet below land-surface datum, 1945: May 14, 66.59; Oct. 23, 65.35.

614 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). B. W. Lewis. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 5 N., R. 22 E. Water levels, in feet below land-surface datum, 1945: May 14, 88.36; Oct. 23, 88.16.

617 (*845, p. 390; 886, p. 597; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). Minnie B. Dorman and others. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 5 N., R. 22 E. Water levels, in feet below land-surface datum, 1945: May 14, 167.57; Oct. 23, 167.70.

631 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). George W. Dubois. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 5 N., R. 23 E. Water levels, in feet below land-surface datum, 1945: May 14, 108.10; Oct. 23, 107.99.

635 (*845, p. 391; 886, p. 599; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). A. E. Shillingburg. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 5 N., R. 23 E. Water levels, in feet below land-surface datum, 1945: May 14, 59.31; Oct. 23, 59.11.

647 (*845, p. 390; 886, p. 599; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). Gilbert Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 5 N., R. 24 E. Water levels, in feet below land-surface datum, 1945: May 14, 50.12; Oct. 23, 49.99.

648 (*845, p. 390; 886, p. 599; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). John Angleton. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 5 N., R. 24 E. Water levels, in feet below land-surface datum, 1945: May 14, 4.69; Oct. 23, 5.00.

649 (*845, p. 391; 886, p. 599; 909, p. 62; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). Arthur Williams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 5 N., R. 24 E. Water levels, in feet below land-surface datum, 1945: May 14, 5.60; Oct. 23, 6.50.

767 (*845, p. 390; 886, p. 599; 909, p. 63; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). Robert F. LeCrone. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 6 N., R. 23 E. Water levels, in feet below land-surface datum, 1945: May 14, 65.50; Oct. 23, 65.96.

777 (*845, p. 390; 886, p. 599; 909, p. 63; 939, p. 49; 947, p. 50; *989, p. 62; 1019, p. 87). J. H. Neese. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 6 N., R. 24 E. Water levels, in feet below land-surface datum, 1945: May 14, 20.06; Oct. 23, 19.29.

Blaine County

1 (*909, p. 63; 939, p. 50; 947, p. 51; *989, p. 63; 1019, p. 87). Oklahoma City Water Department. NE $\frac{1}{4}$ sec. 27, T. 16 N., R. 12 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 8	4.70	July 11	2.84	Nov. 16	5.59
May 15	4.24	Sept. 12	6.68		

2 (*909, p. 63; 939, p. 50; 947, p. 51; *989, p. 63; 1019, p. 87). Oklahoma City Water Department. Near NE. corner sec. 9, T. 18 N., R. 13 W.

Water level, in feet below land-surface datum, 1945

Feb. 8	5.22	July 11	4.38	Nov. 16	6.50
May 15	4.70	Sept. 12	7.40		

Caddo County

1. P. C. Haun. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 7 N., R. 12 W., 58 feet southwest of southwest right-of-way line of State Highway 9. Drilled unused stock well, diameter 6 inches, depth 64 feet. Measuring point, east edge of galvanized-iron casing, 0.5 foot above land-surface datum. Aquifer, Rush Springs sandstone.

Water level, in feet below land-surface datum, 1945

Aug. 21	50.07	Sept. 25	49.74	Oct. 8	49.50
30	50.03	27	49.65	Dec. 4	49.48

Canadian County

1 (*909, p. 63; 939, p. 50; 947, p. 51; *989, p. 63; 1019, p. 88). Oklahoma City Water Department. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 12 N., R. 5 W. Well destroyed, replaced with well RFC1.

RFC1. Geol. Survey, U. S. Dept. of Interior. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 12 N., R. 5 W., on flood plain of North Canadian River, 29 feet south of south abutment of Piedmont Bridge, 34 feet west of centerline of State Highway 4, 2 miles north of Yukon. Driven observation well, diameter 1 $\frac{1}{2}$ inches, depth 19.4 feet. Measuring point, top of casing, 0.8 foot above land-surface datum, 1,264.29 feet above mean sea level, and 2.69 feet above measuring point of Canadian County 1, which it replaces. Bench mark, cross chiseled in top of east center concrete pier of bridge, 1,259.29 feet above mean sea level. Water levels, in feet below land-surface datum, 1945: Nov. 26, 7.02; Dec. 18, 7.08; Dec. 27, 7.06.

2 (#909, p. 64; 939, p. 50; 947, p. 51, #989, p. 63; 1019, p. 88). Oklahoma City Water Department. NW $\frac{1}{4}$ sec. 33, T. 13 N., R. 7 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 9	13.94	July 11	6.72	Nov. 16	11.99
May 15	7.97	Sept. 12	11.92	Dec. 18	8.78
June 27	7.77				

RFC4 (#947, p. 53; #989, p. 63; 1019, p. 88). Geol. Survey, U. S. Dept. of Interior. NE. corner sec. 17, T. 14 N., R. 10 W.

Water level, in feet below land-surface datum, 1945

Feb. 8	5.39	July 11	3.20	Nov. 16	5.64
May 15	4.64	Sept. 12	6.75	Dec. 20	5.73
June 26	5.36				

10 (#947, p. 51; #989, p. 63; 1019, p. 88). Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: Feb. 8, 19.35; June 26, 18.79.

13 (#947, p. 52; #989, p. 63; 1019, p. 88). Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: June 26, 6.20; Dec. 20, 8.05.

82 (#947, p. 52; #989, p. 63; 1019, p. 88). Ryba Jacob. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 23.98; June 25, 20.50; Dec. 18, 19.87.

85 (#947, p. 52; #989, p. 64; 1019, p. 88). W. L. Towe. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 12 N., R. 5 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 14.01; June 25, 9.07; Dec. 20, 10.70.

151 (#947, p. 52; #989, p. 64; 1019, p. 88). Canadian County. NW. corner SW $\frac{1}{4}$ sec. 20, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 8, 11.48; June 26, 11.06; Dec. 20, 11.87.

G1 (#947, p. 53; #989, p. 64; 1019, p. 88). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 29, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 17.83; June 27, 17.14; Dec. 20, 16.80.

G2 (#947, p. 53; #989, p. 64; 1019, p. 88). Geol. Survey, U. S. Dept. of Interior. NW. corner sec. 35, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 4.16; June 27, 1.30.

G3 (#947, p. 53; #989, p. 64; 1019, p. 88). Geol. Survey, U. S. Dept. of Interior. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 7.06; June 27, 4.58; Dec. 18, 6.74.

G4 (#947, p. 53; #989, p. 64; 1019, p. 88). Geol. Survey, U. S. Dept. of Interior. NE. corner sec. 8, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: Feb. 8, 14.19; June 26, 11.35; Dec. 20, 13.22.

G5 (#947, p. 54; #989, p. 64; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. NW. corner sec. 5, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 2.58; June 25, 0.81; Dec. 18, 0.64.

G6 (*947, p. 54; *989, p. 64; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SE. corner sec. 8, T. 12 N., R. 5 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 10	9.68	Aug. 29	6.49	Nov. 20	4.99	Dec. 18	5.29
June 25	4.12	Sept. 28	6.30	26	5.19	27	5.38
July 27	4.58	Oct. 29	4.79				

G7 (*947, p. 54; *989, p. 64; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. NW. corner sec. 21, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 15.32; June 26, 15.03; Dec. 20, 15.08.

G8 (*947, p. 54; *989, p. 64; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 14.99; June 27, 14.29; Dec. 18, 13.55.

G9 (*947, p. 54; *989, p. 64; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 3, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 8.90; June 25, 6.24; Dec. 18, 6.81.

G10 (*947, p. 54; *989, p. 64; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. NW. corner sec. 15, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 9.12; June 26, 8.58; Dec. 20, 9.30.

G11 (*947, p. 55; *989, p. 64; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SW. corner of sec. 8, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 8, 4.12; June 26, 3.97; Dec. 20, 4.45.

G12 (*947, p. 55; *989, p. 65; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 17, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 8, 5.06; June 26, 4.64; Dec. 20, 5.73.

G13 (*947, p. 55; *989, p. 65; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 14, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 5.54; June 26, 5.90; Dec. 20, 6.32.

G14 (*947, p. 55; *989, p. 65; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. 500 feet east of NW. corner sec. 25, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 16.75; June 26, 15.64; Dec. 20, 16.74.

G15 (*947, p. 55; *989, p. 65; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SE. corner sec. 19, T. 14 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 2.97; June 26, 2.94; Dec. 20, 3.99.

G16 (*947, p. 55; *989, p. 65; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SE. corner SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 14 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 15.13; June 26, 14.05; Dec. 20, 14.70.

G17 (*947, p. 56; *989, p. 65; 1019, p. 89). Geol. Survey, U. S. Dept. of Interior. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 14 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 11.90; June 26, 10.72; Dec. 20, 11.77.

G18 (*947, p. 56; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. NW. corner sec. 11, T. 13 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 20.00; June 26, 18.20; Dec. 20, 19.77.

G19 (*947, p. 56; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 27, T. 13 N., R. 7 W. Water level, in feet below land-surface datum, 1945: Feb. 9, 19.25.

G20 (*947, p. 56; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. NW. corner SW $\frac{1}{4}$ sec. 12, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 9.79; June 25, 6.33; Dec. 18, 7.09.

G21 (*947, p. 56; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. NW. corner SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 14.85; June 25, 12.24; Dec. 18, 11.20.

G22 (*947, p. 56; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 4.38; June 25, 1.29; Dec. 18, 3.43.

G23 (*947, p. 57; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 8.90; June 26, 7.54; Dec. 18, 8.94.

G24 (*947, p. 57; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 6.27; June 25, 4.89; Dec. 18, 6.07.

G25 (*947, p. 57; *989, p. 65; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 15, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 10.27; June 26, 9.55; Dec. 20, 10.58.

G26 (*947, p. 57; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 13, T. 14 N., R. 10 W. Water level, in feet below land-surface datum, 1945: Feb. 9, 5.12.

G27 (*947, p. 57; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW. corner NW $\frac{1}{4}$ sec. 36, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 8, 7.24; June 26, 6.52; Dec. 20, 7.86.

G28 (*947, p. 57; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SE. corner sec. 23, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 17.33; June 26, 16.36; Dec. 20, 16.39.

G29 (*947, p. 58; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW. corner SE $\frac{1}{4}$ sec. 10, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 7.46; June 26, 5.90; Dec. 20, 6.43.

G30 (*947, p. 58; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 36, T. 14 N., R. 9 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 9.57; June 26, 7.11; Dec. 20, 8.96.

G31 (*947, p. 58; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 14 N., R. 10 W. Well destroyed; measurements discontinued.

G32 (*947, p. 58; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. NE. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 6.07; June 26, 3.83; Dec. 20, 5.32.

G34 (*947, p. 59; *989, p. 66; 1019, p. 90). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 32, T. 13 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 8.00; June 26, 6.04; Dec. 18, 9.29.

G35 (*947, p. 59; *989, p. 66; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 12 N., R. 5 W. Water levels, in feet below land-surface datum, 1945: June 25, 1.47; Dec. 18, 1.77.

G36 (*947, p. 59; *989, p. 66; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 8.82; June 25, 5.50; Dec. 18, 7.54.

G37 (*947, p. 59; *989, p. 66; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 12 N., R. 5 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 5.93; June 25, 3.70.

G38 (*947, p. 59; *989, p. 66; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 12 N., R. 6 W. Water levels, in feet below land-surface datum, 1945: Feb. 10, 5.73; June 27, 4.00; Dec. 18, 4.63.

G40 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SE. corner sec. 8, T. 13 N., R. 8 W. Water level, in feet below land-surface datum, 1945: Feb. 9, 16.72.

G41 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. 150 feet north of SW. corner sec. 4, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 6.89; June 26, 5.49; Dec. 20, 5.72.

G42 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SE. corner SW $\frac{1}{4}$ sec. 22, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 12.95; June 26, 10.49; Dec. 20, 11.70.

G43 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SW. corner sec. 30, T. 14 N., R. 9 W. Well destroyed; measurements discontinued.

G44 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. NW. corner sec. 28, T. 14 N., R. 10 W. Water levels, in feet below land-surface datum, 1945: Feb. 8, 14.30; June 26, 13.56; Dec. 20, 14.72.

G45 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. NW. corner sec. 21, T. 14 N., R. 8 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 8.58; June 26, 5.80; Dec. 20, 7.19.

G46 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. NE. corner sec. 29, T. 13 N., R. 8 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 14.32; June 26, 13.11; Dec. 20, 13.41.

G47 (*947, p. 60; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. NW. corner SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 14 N., R. 10 W. No measurements made in 1945.

G48 (*947, p. 61; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SE. corner sec. 3, T. 12 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 14.58; June 27, 13.06; Dec. 18, 13.33.

G49 (*947, p. 61; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. NE. corner SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 12 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 18.19; June 27, 17.08; Dec. 18, 16.98.

G50 (*947, p. 61; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. SE. corner sec. 1, T. 12 N., R. 7 W. Water levels, in feet below land-surface datum, 1945: Feb. 9, 17.33; June 27, 15.58; Dec. 18, 16.05.

G51 (*947, p. 61; *989, p. 67; 1019, p. 91). Geol. Survey, U. S. Dept. of Interior. NE. corner sec. 7, T. 12 N., R. 5 W. Water level, in feet below land-surface datum, 1945: Feb. 10, 2.82.

G52 (*947, p. 61; *989, p. 67; 1019, p. 92). Geol. Survey, U. S. Dept. of Interior. SW. corner NW $\frac{1}{4}$ sec. 4, T. 12 N., R. 5 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 10	6.13	Aug. 29	5.30	Nov. 20	4.71	Dec. 18	5.19
June 25	3.10	Sept. 29	6.11	26	4.93	27	5.23
July 27	3.71	Oct. 29	4.17				

Cimarron County

66 (*845, p. 394; 886, p. 605; 909, p. 64; 939, p. 52; 947, p. 61; *989, p. 68; 1019, p. 92). C. K. Womack. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 1 N., R. 5 E. Water levels, in feet below land-surface datum, 1945: May 10, 76.08; Oct. 26, 75.94.

129 (*886, p. 603; 909, p. 64; 939, p. 52; 947, p. 61; *989, p. 68; 1019, p. 92). George Camilli. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 2 N., R. 2 E. Water levels, in feet below land-surface datum, 1945: May 11, 165.37; Oct. 26, 165.18.

148 (*845, p. 394; 886, p. 605; 909, p. 65; 939, p. 52; 947, p. 61; *989, p. 68; 1019, p. 92). T. A. Peters. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 2 N., R. 5 E. Water level, in feet below land-surface datum, 1945: Oct. 26, 24.42.

224 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 61; *989, p. 68; 1019, p. 92). Walter R. Wood. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 3 N., R. 1 E. Water levels, in feet below land-surface datum, 1945: May 11, 133.58; Oct. 26, 133.42.

237 (*886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; *989, p. 65; 1019, p. 92). Central Life Assurance Society. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 3 N., R. 1 E. Water levels, in feet below land-surface datum, 1945: May 11, 58.03; Oct. 26, 57.70.

262 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; *989, p. 68; 1019, p. 92). W. H. and Z. B. Stone. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 3 N., R. 4 E. No measurements made in 1945.

263 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; *989, p. 68; 1019, p. 92). John Ohnick, Jr. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 3 N., R. 4 E. Water levels, in feet below land-surface datum, 1945: May 11, 122.26; Oct. 26, 122.00.

275 (*886, p. 602; 909, p. 65; 939, p. 52; 947, p. 62; *989, p. 68; 1019, p. 92). O. A. Showalter. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 3 N., R. 5 E. Water levels, in feet below land-surface datum, 1945: May 11, 145.98; Oct. 26, 146.09.

276 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52; 947, p. 62; *989, p. 68; 1019, p. 92). Atchison, Topeka & Santa Fe Railroad. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 3 N., R. 5 E. No measurements made in 1945.

313 (*845, p. 392; 886, p. 602; 909, p. 66; 939, p. 52; 947, p. 62; *989, p. 68; 1019, p. 92). E. J. Behrent. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 3 N., R. 7 E. Water levels, in feet below land-surface datum, 1945: May 12, 42.86; Oct. 25, 42.44.

435 (*845, p. 392; 886, p. 601; 909, p. 66; 939, p. 53; 947, p. 62; *989, p. 69; 1019, p. 93). B. J. Wiggins. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 4 N., R. 8 E. Water levels, in feet below land-surface datum, 1945: May 12, 136.56; Oct. 25, 136.97.

436 (*845, p. 392; 886, p. 601; 909, p. 67; 939, p. 53; 947, p. 62; *989, p. 69; 1019, p. 93). Mrs. S. C. Cantrell. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 4 N., R. 8 E. Water levels, in feet below land-surface datum, 1945: May 12, 150.80; Oct. 25, 150.69.

516 (*886, p. 604; 909, p. 67; 939, p. 53; 947, p. 62; *989, p. 69; 1019, p. 93). State of Oklahoma. SE $\frac{1}{4}$ sec. 34, T. 5 N., R. 5 E. Water levels, in feet below land-surface datum, 1945: May 11, 5.13; Oct. 26, 6.81.

528 (*886, p. 605; 909, p. 67; 939, p. 53; 947, p. 62; *989, p. 69; 1019, p. 93). Alliance Insurance Co. NW $\frac{1}{4}$ sec. 4, T. 5 N., R. 7 E. Water level, in feet below land-surface datum, 1945: May 11, 16.69.

610 (*845, p. 393; 886, p. 604; 909, p. 67; 939, p. 53; 947, p. 62; *989, p. 69; 1019, p. 93). A. S. Parker. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 6 N., R. 5 E. Water levels, in feet below land-surface datum, 1945: May 11, 27.59; Oct. 26, 27.84.

Cleveland County

1 (*886, p. 614; 909, p. 67; 939, p. 53; 947, p. 63; *989, p. 69; 1019, p. 93). Mrs. Elizabeth E. Taylor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 10 N., R. 3 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.74	Apr. 28	4.38	July 21	4.12	Oct. 12	5.43
13	9.84	30	4.58	27	4.66	19	6.00
19	9.93	May 4	5.03	31	5.08	22	6.19
26	9.90	11	3.78	Aug. 3	5.23	29	6.46
30	9.81	18	4.08	10	5.66	31	6.34
Feb. 2	9.62	25	4.91	13	5.77	Nov. 2	6.47
10	9.73	31	5.44	17	5.90	9	6.86
17	9.92	June 1	5.45	24	6.33	16	6.82
23	9.76	8	5.55	29	6.51	20	6.80
Mar. 1	9.47	15	2.66	31	6.64	22	7.07
9	6.99	18	2.54	Sept. 7	6.86	28	7.15
10	6.99	22	2.71	12	7.09	Dec. 3	7.41
17	5.16	28	3.78	14	7.23	7	7.20
24	5.01	30	4.25	21	7.40	12	7.30
27	5.63	July 2	4.70	24	7.44	14	7.42
31	5.90	7	3.78	28	7.12	21	7.50
Apr. 6	6.17	11	1.84	30	5.14	28	7.56
13	6.03	12	2.29	Oct. 3	5.02	31	7.59
20	3.82	14	2.68	5	4.83		

4 (*947, p. 63; *989, p. 70; 1019, p. 93). City of Norman. In Norman, 93 feet north of center of Daws Street, 150 feet west of Santa Fe Avenue, in city park.

Water level, in feet below land-surface datum, 1945

Jan. 6	352.40	Apr. 14	346.13	July 14	322.68	Oct. 12	322.91
13	352.83	21	348.59	21	322.66	19	322.26
20	352.93	28	348.60	27	333.19	30	323.63
27	351.23	May 5	343.21	Aug. 3	325.26	Nov. 3	322.39
Feb. 3	349.38	12	342.08	10	325.22	9	322.91
10	348.34	19	331.58	17	323.16	16	323.93
24	354.93	26	327.83	24	322.32	22	324.28
Mar. 3	355.18	June 2	337.33	Sept. 1	326.53	28	319.97
10	355.52	9	336.24	6	324.21	Dec. 7	320.49
17	354.36	16	331.10	14	324.93	14	316.99
24	347.95	22	330.48	21	324.16	21	318.28
31	346.79	30	330.86	28	335.65	28	321.59
Apr. 7	346.17	July 7	324.85	Oct. 5	322.35		

5 (*947, p. 63; *989, p. 70; 1019, p. 94). F. W. Goldsby. Formerly owned by M. McAlister. NW. corner SE $\frac{1}{4}$ sec. 30, T. 9 N., R. 1 W. Equipped with automatic water-stage recorder.

Lowest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	.....	153.82	153.56	152.38	151.77	.....
2	.....	153.75	153.42	152.37	151.74	151.29
3	154.06	153.66	153.45	152.37	151.77	151.34
4	154.08	153.71	153.43	152.57	151.76	151.31
5	154.08	153.72	153.34	152.60	151.72	151.20
6	153.92	153.67	153.38	152.59	151.67	151.17
7	153.94	153.68	153.44	152.57	151.67	151.17
8	154.10	153.68	153.43	152.47	151.72	151.11
9	154.11	153.54	153.42	152.32	151.68	151.03
10	154.09	153.67	153.36	152.29	151.68	151.02
11	154.04	153.64	153.28	152.28	151.60	150.97
12	153.97	153.54	153.19	152.28	151.46	150.94
13	153.97	153.49	153.17	152.27	151.40	150.89
14	153.91	153.50	153.02	152.20	151.32	150.78
15	154.00	153.62	.....	.....	151.38	150.81
16	154.00	153.63	.....	.....	151.40	150.82
17	153.97	153.70	152.91	a 152.14	151.40	150.79
18	153.91	153.71	152.84	.....	151.38	150.74
19	153.87	153.71	152.68	.....	151.33	150.67
20	153.90	153.70	152.70	.....	151.26	150.60
21	153.87	153.48	152.70	a 151.92	151.34	150.54
22	153.93	153.70	152.65	151.92	151.42	150.52
23	153.94	153.71	152.47	151.83	151.39	150.51
24	153.88	153.71	152.35	151.75	151.30	150.46
25	153.82	153.63	152.34	151.80	151.26	150.46
26	153.82	153.60	152.36	151.88	151.26	150.38
27	153.79	153.58	152.36	151.82	151.24	150.28
28	153.80	153.59	.....	151.76	151.28	150.30
29	153.85	.....	.....	151.86	151.29	150.35
30	153.88	.....	.....	151.86	151.28	150.33
31	153.83	.....	.....	.....	151.22	.....

a Tape measurement.

Lowest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	150.45	150.65	151.40	151.86	151.50	151.60
2	150.46	150.66	151.47	151.88	151.66	151.64
3	150.42	150.66	151.47	151.80	151.75	151.64
4	150.38	150.69	151.47	151.69	151.72	151.64
5	150.40	150.74	151.48	151.56	151.54	151.57
6	150.45	150.77	151.52	151.52	151.88	151.42
7	150.43	150.82	151.55	151.50	151.58	151.42
8	150.38	150.86	151.62	151.50	151.70	151.42
9	150.36	150.87	151.63	151.50	151.75	151.54
10	150.37	150.83	151.73	151.43	151.78	151.56
11	150.34	150.78	151.73	151.41	151.72	151.50
12	150.29	150.81	151.76	151.48	151.57	151.42
13	150.28	150.82	151.83	151.50	151.74	151.38
14	150.26	150.90	151.87	151.50	151.83	151.40
15	150.28	150.92	151.95	151.58	151.79	151.49
16	150.31	150.86	151.95	151.56	151.65	151.49
17	150.34	150.87	151.94	151.50	151.71	151.44
18	150.36	150.88	151.94	151.45	151.75	151.40
19	150.38	150.92	152.00	151.56	151.75	151.42
20	150.41	150.98	152.08	151.54	151.67	151.36
21	150.40	151.04	152.07	151.61	151.75	151.23
22	150.39	151.09	152.06	151.61	151.79	151.22
23	150.40	151.10	152.10	151.60	151.82	151.17
24	150.43	151.14	152.13	151.61	151.70	151.03
25	150.46	151.15	152.18	151.63	151.61	151.06
26	150.45	151.16	152.14	151.66	.....	151.11

5--Continued.

Lowest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
27	150.42	151.18	152.10	151.66	.....	151.17
28	150.45	151.20	152.10	151.65	151.64	151.16
29	150.50	151.27	152.08	151.64	151.63	151.03
30	150.55	151.35	151.90	151.64	151.59	151.17
31	150.66	151.38		151.50		151.18

6 (*989, p. 71; 1019, p. 95). C. H. Taylor. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23,
T. 8 N., R. 2 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	127.02	Apr. 21	125.95	July 21	124.65	Oct. 12	124.81
13	127.05	28	125.74	28	124.59	19	124.89
20	127.04	May 5	125.57	Aug. 3	124.77	30	124.74
27	126.89	19	125.22	11	124.72	Nov. 2	124.64
Feb. 9	126.83	26	125.10	17	124.79	9	124.80
24	126.77	June 2	124.97	24	124.95	16	124.60
Mar. 3	126.56	9	124.70	31	125.08	22	124.52
10	126.53	18	124.63	Sept. 7	125.09	27	124.57
17	126.40	23	124.59	14	125.03	Dec. 7	124.37
24	126.05	30	124.56	21	125.24	14	124.42
31	126.18	July 7	124.66	29	124.88	21	124.33
Apr. 7	126.35	14	124.49	Oct. 5	124.83	27	124.38

8 (*989, p. 72; 1019, p. 95). Town of Noble. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27,
T. 8 N., R. 2 W., in southeast corner of town garage at water tower, 57
feet south of public-supply well.

Water level, in feet below land-surface datum, 1945

Jan. 6	a199.43	Apr. 28	184.00	July 21	a207.00	Oct. 12	a203.95
13	a195.97	May 5	186.29	28	a201.42	19	a200.17
20	a197.44	12	a202.91	Aug. 3	a207.77	30	a187.93
27	a202.88	19	a195.17	11	a200.57	Nov. 2	a208.14
Feb. 9	a202.88	26	a205.80	17	188.40	9	178.29
24	a205.12	June 2	a206.17	24	a198.78	16	a197.15
Mar. 3	a195.36	9	187.39	31	a198.87	22	a184.64
10	a202.98	16	a205.68	Sept. 7	a209.00	27	a200.68
17	189.69	23	a202.88	14	a202.61	Dec. 7	a202.03
24	199.64	30	a209.08	21	a202.97	14	180.30
31	202.85	July 7	a206.00	29	a202.85	21	a190.95
Apr. 7	a203.52	14	a204.93	Oct. 5	a196.05	28	a197.74
21	a195.55						

a Public-supply well pumping.

9 (*989, p. 73; 1019, p. 95). E. G. Johnson. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25,
T. 9 N., R. 3 W.

Water level, in feet below land-surface datum, 1945

Jan. 6	211.98	Apr. 14	213.02	July 14	214.21	Oct. 12	216.54
13	212.27	21	212.84	21	214.51	19	216.77
20	212.41	28	213.14	27	214.59	30	217.05
27	212.45	May 4	213.41	Aug. 3	214.85	Nov. 2	217.30
Feb. 3	212.51	12	213.05	10	215.09	9	217.24
9	213.69	19	213.41	17	215.20	16	217.25
24	213.04	25	213.61	24	215.30	22	217.83
Mar. 3	212.65	June 1	213.69	31	215.99	28	218.61
10	212.77	8	213.68	Sept. 7	215.70	Dec. 7	217.68
17	212.51	15	213.74	14	216.14	14	218.33
24	212.28	22	213.88	21	216.12	21	219.46
31	212.69	30	214.17	28	216.22	28	218.15
Apr. 7	213.02	July 7	214.31	Oct. 5	216.43		

10 (*1019, p. 96). University of Oklahoma. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 9 N., R. 2 W., east of fieldhouse.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	340.43	Apr. 14	325.77	July 7	319.10	Sept. 21	321.07
13	339.65	21	326.88	14	317.85	Oct. 1	320.34
27	343.46	28	320.39	21	319.16	5	326.92
Feb. 3	333.52	May 5	319.88	28	322.22	12	324.13
24	328.90	19	318.95	Aug. 3	321.80	19	319.34
Mar. 3	332.35	26	313.35	10	322.23	30	319.33
10	329.40	June 2	314.69	17	321.29	Nov. 3	318.18
17	329.53	9	316.14	24	322.12	16	315.09
24	333.60	16	316.79	31	322.43	28	316.25
31	329.00	23	313.77	Sept. 7	328.38	Dec. 21	318.14
Apr. 7	325.17	30	319.04	14	317.94	28	313.35

11 (*1019, p. 96). Mid-Continent Petroleum Co. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 10 N., R. 3 W. Tubbs lease, West Moore field. Bench mark, cross chiseled in southwest corner of concrete base of cleanout mast, 4 feet northwest of well and 0.39 foot below measuring point. Well is pumped irregularly to supply water for oil-well drilling operations.

Water level, in feet below land-surface datum, 1945

Jan. 5	161.06	Mar. 2	161.26	Apr. 27	162.17	June 22	168.30
13	161.18	10	161.50	May 4	162.50	30	165.15
19	161.04	17	161.60	11	163.68	July 7	167.56
26	161.07	24	161.42	18	166.31	Aug. 24	173.53
Feb. 2	161.09	31	161.79	25	165.48	Nov. 2	180.30
10	161.24	Apr. 6	162.10	June 1	164.67	16	189.04
17	161.39	13	162.08	8	164.25	Dec. 3	188.43
23	161.46	20	162.19	15	166.17		

12. Dave Price. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 9 N., R. 3 W. Unused drilled supply well for oil well, diameter 8-5/8 inches, depth 625 feet. Measuring point, edge of 3/4-inch hole in steel cover-plate welded to casing, 0.03 foot above land-surface datum. Bench mark, nail in west base of power pole No. 1-178, on east side of State Highway 7, about 200 feet north of well, 0.68 foot above measuring point. Probable aquifer, Garber sandstone.

Water level, in feet below land-surface datum, 1945

Mar. 27	138.70	June 1	140.29	Aug. 10	144.15	Nov. 2	143.20
31	138.71	8	140.58	17	144.56	9	144.72
Apr. 7	138.91	15	140.90	24	145.01	16	144.92
13	138.90	22	141.30	31	145.39	22	145.33
20	139.04	30	141.73	Sept. 7	145.50	28	145.64
28	139.19	July 7	142.07	Oct. 4	143.40	Dec. 7	145.95
May 4	139.48	14	142.33	5	143.17	14	146.38
11	139.97	21	142.83	12	143.26	21	146.65
19	139.82	27	143.13	19	143.71	28	146.95
25	140.11	Aug. 3	143.72	29	144.10		

13. Hardin. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 10 N., R. 3 W. Unused drilled supply well for oil well drilling operations in West Moore field, diameter 8 inches, depth 650 feet. Measuring point, east edge of 8-inch coupling, 2.70 feet above land-surface datum. Bench mark, nail in northwest side of power pole, 0.2 foot above land-surface, 90 feet southeast of well, and 1.76 feet lower than measuring point. Water level affected by pumpage in West Moore field. Probable aquifer, Garber sandstone.

Water level, in feet below land-surface datum, 1945

Sept. 24	136.02	Oct. 19	137.60	Nov. 22	139.15	Dec. 14	138.97
Oct. 3	136.50	29	138.39	28	138.99	21	139.00
5	136.54	Nov. 2	138.47	Dec. 7	138.93	28	139.22
12	136.88	16	139.00				

Harper County

1 (*909, p. 88; 939, p. 54; 947, p. 64; *989, p. 73; 1019, p. 96).
E. W. Johnson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 26 N., R. 25 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 7	7.57	July 11	7.20	Oct. 23	9.10
May 14	6.82	Sept. 12	10.25	Nov. 15	9.09

McClain County

1 (*989, p. 73; 1019, p. 96). H. A. Perkinson. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22,
T. 7 N., R. 2 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	84.43	Apr. 28	83.98	July 28	83.92	Oct. 30	84.04
30	84.42	May 26	84.05	Aug. 31	84.25	Nov. 27	84.07
Mar. 24	83.90	June 30	83.93	Oct. 3	83.97	Dec. 26	84.02
31	84.04						

Major County

RFM1 (*947, p. 64; *989, p. 73; 1019, p. 97). Geol. Survey, U. S.
Dept. of Interior. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 20 N., R. 16 W. Water levels, in
feet below land-surface datum, 1945: Feb. 8, 6.50; May 15, 5.36; July 11,
6.74; Sept. 12, 8.78.

Oklahoma County

1 (*989, p. 74; 1019, p. 97). Joslyn Production Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$
sec. 29, T. 13 N., R. 3 W.

Water level, in feet below land-surface datum, 1945

Jan. 30	173.52	May 25	169.30	July 27	168.15	Nov. 26	167.99
Mar. 27	173.50	June 27	169.31	Aug. 29	170.14	Dec. 27	167.65
Apr. 27	170.50	July 23	168.12	Oct. 29	170.37		

2 (*989, p. 74; 1019, p. 97). Sunray Oil Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23,
T. 12 N., R. 3 W., Avey lease, 28th Street and Lindsay Avenue, Oklahoma
City.

Water level, in feet below land-surface datum, 1945

Jan. 30	186.55	Apr. 27	184.40	July 27	190.50	Oct. 29	189.80
Feb. 28	187.50	May 25	181.79	Aug. 29	196.07	Nov. 26	184.40
Mar. 27	184.40	June 28	185.87	Sept. 28	196.42	Dec. 27	182.50

3 (*989, p. 74; 1019, p. 97). Skelly Oil Co. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26,
T. 12 N., R. 3 W., Gast Heights lease, 18th Street and N. Lottie Avenue,
Oklahoma City.

Water level, in feet below land-surface datum, 1945

Jan. 30	202.80	Apr. 27	202.51	July 27	224.04	Oct. 29	210.45
Feb. 28	203.72	May 25	201.37	Aug. 29	227.20	Nov. 26	204.35
Apr. 13	203.57	June 28	216.16	Sept. 28	227.23	Dec. 27	201.87

4 (*1019, p. 97). Oklahoma City Air Depot, U. S. Army. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 11 N., R. 2 W. Equipped with automatic water-stage recorder.

Lowest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	182.65	183.58	178.76	187.77	187.18	188.92
2	185.52	183.41	178.64	188.00	187.11	188.54
3	185.80	183.27	178.79	187.00	186.49	187.08
4	185.97	180.49	178.81	189.50	186.49	185.97
5	185.97	182.65	181.92	189.74	185.95	184.90
6	185.95	183.07	182.51	188.70	185.95	184.01
7	184.62	183.43	182.75	187.17	184.57	183.66
8	183.49	183.44	182.99	186.76	185.53	183.48
9	184.60	183.41	183.13	189.30	185.54	186.62
10	185.45	183.60	.....	189.96	185.58	184.40
11	186.58	181.26	.....	188.90	185.45	186.36
12	188.38	180.40	.....	187.45	185.49	186.56
13	188.46	182.73	186.98	186.99	184.05	186.56
14	187.05	180.77	187.70	186.66	185.56	185.10
15	186.03	179.66	188.16	186.54	185.58	185.76
16	185.94	179.42	186.75	186.27	183.05	186.59
17	185.58	179.03	186.44	189.08	184.15	185.86
18	185.08	178.87	186.43	187.02	184.29	187.01
19	184.92	178.76	188.00	187.81	184.31	187.06
20	184.99	178.48	188.92	187.81	184.66	187.10
21	185.01	.....	189.29	184.15	183.88	187.18
22	184.85	.....	189.46	183.16	184.84	187.37
23	184.80	.....	187.28	185.75	185.43	187.54
24	184.57	179.86	186.83	187.28	185.67	187.43
25	184.37	179.29	186.80	188.22	185.80	186.82
26	184.39	179.11	187.55	189.27	185.98	187.43
27	184.32	178.89	185.98	188.00	186.17	187.91
28	184.25	178.79	188.55	189.58	189.88	188.54
29	184.15	.....	189.67	187.65	190.26	.....
30	184.04	.....	189.67	187.14	190.63	.....
31	183.81	.....	188.54	.....	189.20	.....

Lowest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	191.15	190.17	180.51	179.37	163.37
2	.....	190.79	189.30	180.90	.....	163.28
3	191.84	190.43	187.19	181.73	.....	163.12
4	190.88	190.21	186.90	181.43	.....	162.93
5	190.09	190.20	187.61	180.18	.....	162.68
6	190.08	192.13	187.36	179.40	175.57	162.20
7	190.04	192.26	187.76	176.27	175.69	162.07
8	190.08	193.37	187.77	178.55	176.00	161.65
9	190.45	193.87	185.94	179.92	176.05	161.43
10	190.29	193.89	186.78	179.92	175.05	166.40
11	189.52	193.52	187.30	180.40	173.05	166.76
12	189.09	193.16	187.94	180.78	171.40	166.79
13	189.47	193.12	188.01	180.33	170.39	162.25
14	190.62	193.94	188.24	176.98	.....	161.39
15	190.40	194.04	187.70	177.65	169.73	160.93
16	192.06	192.83	184.93	177.71	168.56	160.73
17	192.47	193.32	183.13	177.47	168.07	160.44
18	192.90	193.50	184.90	176.90	167.62	160.22
19	193.26	193.06	185.34	176.71	171.83	160.23
20	193.27	192.48	184.89	176.66	171.86	160.15
21	193.14	192.68	183.55	176.48	167.73	160.02
22	192.15	192.71	182.86	177.76	166.55	160.04
23	190.96	191.90	180.87	177.76	165.81	160.04
24	192.73	190.51	182.73	177.69	165.17	159.72
25	192.82	189.70	183.32	177.64	164.70	159.49
26	192.08	188.99	183.34	176.86	164.39	159.29
27	192.12	188.84	183.11	.....	164.17	159.03
28	192.14	189.05	183.42	.....	163.97	158.92
29	192.12	189.96	181.40	177.01	163.64	158.63
30	191.83	190.12	179.11	177.93	163.42	158.35
31	191.69	190.10	.....	178.72	.....	158.25

5 (*1019, p. 98). Oklahoma City Water Department. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 105 feet east of Pennsylvania Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	8.86	Apr. 27	5.13	June 28	4.32	Sept. 28	6.67
Feb. 28	8.42	May 15	4.92	July 27	4.66	Oct. 29	5.76
Mar. 27	7.09	25	5.13	Aug. 29	5.67	Nov. 26	6.16

6 (*1019, p. 99). Oklahoma City Water Department. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 145 feet east of Pennsylvania Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	9.01	May 15	5.05	July 27	4.75	Oct. 29	6.00
Feb. 28	8.45	25	5.27	Aug. 29	6.14	Nov. 26	6.30
Mar. 27	7.12	June 28	4.42	Sept. 28	7.10	Dec. 27	6.60
Apr. 27	5.21						

7 (*1019, p. 99). Oklahoma City Water Department. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 195 feet east of Pennsylvania Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	8.99	May 15	5.08	July 27	4.82	Oct. 29	6.08
Feb. 28	8.51	25	5.28	Aug. 29	6.21	Nov. 26	6.42
Mar. 27	7.22	June 28	4.40	Sept. 28	7.17	Dec. 27	6.67
Apr. 27	5.28						

8 (*1019, p. 99). Oklahoma City Water Department. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 12 N., R. 3 W., north of Reno Street and 55 feet east of Pennsylvania Avenue, Oklahoma City.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	8.88	May 15	4.97	July 27	4.72	Oct. 29	5.95
Feb. 28	8.34	25	5.24	Aug. 29	6.03	Nov. 26	6.25
Mar. 27	7.07	June 28	4.40	Sept. 28	6.86	Dec. 27	6.53
Apr. 27	5.15						

9 (*1019, p. 99). Oklahoma City Water Department. SE. corner sec. 36, T. 12 N., R. 4 W., on northwest corner of intersection of Reno Street and May Avenue.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	6.38	Apr. 27	1.89	July 27	1.34	Oct. 29	1.76
30	6.20	May 15	1.48	Aug. 29	2.51	Nov. 26	1.97
Feb. 28	5.61	25	2.10	Sept. 28	2.07	Dec. 27	2.14
Mar. 27	4.03	June 28	1.10				

10. Oklahoma City Water Department well 26. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 12 N., R. 4 W. Drilled observation well, diameter 2 inches, depth 41.8 feet. Measuring point, top of 2-inch casing, 1.70 feet above land-surface datum. Probable aquifer, Bethany terrace deposit.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 27	35.19	Sept. 28	35.08	Nov. 26	34.92
Aug. 27	35.02	Oct. 29	34.94	Dec. 27	35.04

11. Oklahoma City Water Department well 27. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 12 N., R. 4 W. Drilled observation well, diameter 2 inches, depth 37.4 feet. Measuring point, top of 2-inch casing, 2.20 feet above land-surface datum. Probable aquifer, Bethany terrace deposit.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 27	10.39	Sept. 28	11.75	Nov. 26	10.96
Aug. 29	11.39	Oct. 29	10.67	Dec. 27	11.00

12. Oklahoma City Water Department well 28. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 12 N., R. 4 W. Drilled observation well, diameter 2 inches, depth 31.8 feet. Measuring point, top of 2-inch casing, 2.10 feet above land-surface datum. Probable aquifer, Bethany terrace deposit.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
July 27	13.84	Sept. 28	15.10	Nov. 26	14.31
Aug. 29	14.57	Oct. 29	14.29	Dec. 27	14.57

Payne County

1 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; *989, p. 74; 1019, p. 100). Unknown oil company. SW $\frac{1}{4}$ sec. 15, T. 19 N., R. 4 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	3.74	Apr. 26	2.73	July 26	4.38	Oct. 28	5.05
Feb. 25	3.15	May 27	3.10	Aug. 27	5.06	Nov. 27	4.20
Mar. 27	2.58	June 27	3.80	Oct. 3	1.88	Dec. 21	4.65

2 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; *989, p. 74; 1019, p. 100). J. F. Gilchrist. NW $\frac{1}{4}$ sec. 36, T. 20 N., R. 3 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	6.10	Apr. 26	5.05	July 26	6.33	Oct. 28	5.00
Feb. 25	5.95	May 27	5.39	Aug. 27	6.34	Nov. 27	6.90
Mar. 27	4.79	June 27	5.89	Oct. 3	2.75	Dec. 21	5.80

3 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; *989, p. 74; 1019, p. 100). V. D. Hesser. NW $\frac{1}{4}$ sec. 23, T. 20 N., R. 3 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	9.20	Apr. 26	7.12	July 26	7.19	Oct. 28	7.80
Feb. 24	9.55	May 27	6.85	Aug. 27	8.35	Nov. 27	8.09
Mar. 27	7.47	June 27	7.05	Oct. 3	7.20	Dec. 21	8.32

4 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 64; *989, p. 75; 1019, p. 100). W. O. Snyder. NW $\frac{1}{4}$ sec. 2, T. 19 N., R. 3 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	18.85	Apr. 26	15.95	July 26	17.08	Oct. 28	14.99
Feb. 25	18.30	May 27	16.48	Aug. 27	18.05	Nov. 27	15.95
Mar. 27	17.06	June 27	16.72	Oct. 3	13.50	Dec. 21	16.57

7 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; *989, p. 75; 1019, p. 100). Charles Focht. NW $\frac{1}{4}$ sec. 20, T. 19 N., R. 3 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	17.30	May 27	13.44	Aug. 27	13.25	Oct. 28	10.15
Feb. 25	17.41	June 27	13.64	Sept. 29	2.17	Nov. 27	11.78
Mar. 27	15.10	July 26	12.45	Oct. 3	3.45	Dec. 21	13.75
Apr. 26	14.19						

9 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; *989, p. 75; 1019, p. 100). Owner unknown. SW $\frac{1}{4}$ sec. 21, T. 20 N., R. 2 E.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	18.52	Apr. 27	15.14	July 26	16.25	Oct. 28	18.55
Feb. 24	18.39	May 27	16.01	Aug. 27	18.22	Nov. 27	19.38
Mar. 27	17.02	June 27	17.15	Oct. 3	16.52	Dec. 21	19.47

13 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; *989, p. 75; 1019, p. 100). Erma T. Pool. SW $\frac{1}{4}$ sec. 23, T. 19 N., R. 1 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	23.50	Apr. 27	23.70	July 26	23.05	Oct. 28	23.12
Feb. 24	23.75	May 27	23.36	Aug. 27	23.10	Nov. 27	23.04
Mar. 27	23.62	June 27	23.36	Oct. 3	23.14	Dec. 21	22.89

15 (*777, p. 141; *817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; *989, p. 75; 1019, p. 101). Lovell Bros. NE $\frac{1}{4}$ sec. 35, T. 19 N., R. 3 E.

Water level, in feet below land-surface datum, 1945

Jan. 26	33.98	Apr. 26	33.15	July 26	33.02	Oct. 28	33.52
Feb. 25	34.33	May 27	32.89	Aug. 27	33.67	Nov. 27	33.45
Mar. 27	33.35	June 27	33.23	Oct. 3	33.90	Dec. 21	33.35

16 (*817, p. 141; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; *989, p. 75; 1019, p. 101). W. K. Hartman. SW $\frac{1}{4}$ sec. 12, T. 18 N., R. 3 E.

Water level, in feet below land-surface datum, 1945

Jan. 26	17.02	Apr. 26	15.25	July 26	15.70	Oct. 28	16.53
Feb. 25	15.25	May 27	15.85	Aug. 27	16.40	Nov. 27	16.65
Mar. 27	15.46	June 27	15.92	Oct. 3	13.35	Dec. 21	17.00

17 (*777, p. 141; 845, p. 402; 886, p. 613; 909, p. 70; 939, p. 55; 947, p. 65; *989, p. 75; 1019, p. 101). R. J. Haskett. NE $\frac{1}{4}$ sec. 12, T. 10 N., R. 1 E.

Water level, in feet below land-surface datum, 1945

Jan. 26	5.15	Apr. 27	1.80	July 26	4.14	Oct. 28	3.45
Feb. 24	4.54	May 27	3.47	Aug. 27	6.15	Nov. 27	3.60
Mar. 27	2.65	June 27	3.55	Oct. 3	4.11	Dec. 21	3.17

Texas County

40 (*840, p. 331; 845, p. 395; 886, p. 607; 909, p. 70; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 101). August Lorenz. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 3 N., R. 17 E. Water level, in feet below land-surface datum, 1945: May 14, 89.90.

85 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 101). George Dean. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 4 N., R. 11 E. No measurements made in 1945.

120 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 101). Joe Gribble. NE $\frac{1}{4}$ NK $\frac{1}{4}$ sec. 2, T. 5 N., R. 14 E. Measurements discontinued.

125 (*886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 101). J. Donald Hughes. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 1 N., R. 18 E. Water levels, in feet below land-surface datum, 1945: May 13, 8.00; Oct. 26, 8.75.

130 (*886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 101). Robert Johnson. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 1 N., R. 17 E. Water levels, in feet below land-surface datum, 1945: May 13, 7.06; Oct. 26, 7.56.

138 (*886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 101). Joe Sutton. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 1 N., R. 19 E. Water levels, in feet below land-surface datum, 1945: May 13, 9.72; Oct. 26, 10.24.

167 (*845, p. 389; 886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 101). Owner unknown. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 2 N., R. 12 E. Water levels, in feet below land-surface datum, 1945: May 12, 189.93; Oct. 24, dry at 190.0.

176 (*840, p. 333; 845, p. 398; 886, p. 610; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 102). W. N. Ballinger. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 3 N., R. 15 E. Water levels, in feet below land-surface datum, 1945: May 12, 5.87; Oct. 25, 7.62.

182 (*845, p. 399; 886, p. 611; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 102). Panhandle Agricultural and Mechanical College. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 2 N., R. 13 E. Water levels, in feet below land-surface datum, 1945: May 12, 138.11, both town wells pumping; Oct. 24, 140.58, south town well pumping.

187 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 102). John Gill. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 3 N., R. 15 E. Water levels, in feet below land-surface datum, 1945: May 13, 2.55; Oct. 24, 3.26.

188 (*886, p. 610; 909, p. 71; 939, p. 56; 947, p. 66; *989, p. 76; 1019, p. 102). Kuhn Bros. NW $\frac{1}{4}$ sec. 1, T. 2 N., R. 14 E. Water levels, in feet below land-surface datum, 1945: May 12, 122.61; Oct. 24, 122.21.

270 (*845, p. 397; 886, p. 609; 909, p. 71; 939, p. 57; 947, p. 66; *989, p. 76; 1019, p. 102). Owner unknown. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 3 N., R. 11 E. No measurements made in 1945.

281 (*947, p. 67; *989, p. 77; 1019, p. 102). Lester Sparks. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 3 N., R. 11 E. Water levels, in feet below land-surface datum, 1945: May 12, 88.74; Oct. 25, 88.88.

284 (*886, p. 608; 909, p. 71; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). Paul Spradlin. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 3 N., R. 12 E. Water levels, in feet below land-surface datum, 1945: May 12, 101.17; Oct. 25, 101.06.

294 (*845, p. 396; 886, p. 608; 909, p. 72; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). Stonebraker-Zea Ranch. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 3 N., R. 13 E. Water levels, in feet below land-surface datum, 1945: May 12, 42.28; Oct. 24, 42.49.

295 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). E. O. Hobson. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 3 N., R. 15 E. Water levels, in feet below land-surface datum, 1945: May 13, 7.80; Oct. 24, 8.50.

308 (*886, p. 608; 909, p. 72; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). Charles Reust. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 3 N., R. 14 E. Measurements discontinued.

323 (*845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). Mrs. Bostwick. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 3 N., R. 16 E. Measurements discontinued.

325 (*845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). Florence B. Ensten. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 3 N., R. 16 E. Measurements discontinued.

332 (*840, p. 332; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). Owner unknown. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 3 N., R. 15 E. Water levels, in feet below land-surface datum, 1945: May 12, 64.19; Oct. 25, 65.66.

350 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57; 947, p. 67; *989, p. 77; 1019, p. 102). C. A. Nash. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 3 N., R. 16 E. Water level, in feet below land-surface datum, 1945: Oct. 24, 7.07.

404 (*840, p. 333; 845, p. 399; 886, p. 611; 909, p. 73; 939, p. 57; 947, p. 68; *989, p. 77; 1019, p. 102). Everett J. Ritter. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 1 N., R. 14 E. No measurements made in 1945.

436 (*845, p. 398; 886, p. 610; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 77; 1019, p. 103). Leo Holtgraver. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 4 N., R. 14 E. Water levels, in feet below land-surface datum, 1945: May 13, 170.69; Oct. 25, 170.63.

446 (*845, p. 398; 886, p. 610; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 77; 1019, p. 103). Owner unknown. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 4 N., R. 14 E. Measurements discontinued.

459 (*840, p. 333; 845, p. 399; 886, p. 611; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). Owner unknown. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 1 N., R. 14 E. No measurements made in 1945.

487 (*845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). J. E. Friesen. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 4 N., R. 18 E. Water levels, in feet below land-surface datum, 1945: May 14, 99.37; Oct. 24, 99.20.

497 (*845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). R. M. Van Hynning. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 4 N., R. 19 E. Water levels, in feet below land-surface datum, 1945: May 14, 102.23; Oct. 24, 102.02.

530 (*840, p. 333; 845, p. 398; 886, p. 609; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). Owner unknown. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 5 N., R. 14 E. Water levels, in feet below land-surface datum, 1945: May 13, 176.91; Oct. 25, 176.93.

551 (*840, p. 332; 845, p. 396; 886, p. 608; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). Owner unknown. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 4 N., R. 13 E. Water levels, in feet below land-surface datum, 1945: May 12, 143.73; Oct. 25, 143.70.

552 (*840, p. 332; 845, p. 397; 886, p. 608; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). B. G. Manwarren. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 3 N., R. 12 E. No measurements made in 1945.

589 (*840, p. 331; 845, p. 389; 886, p. 606; 909, p. 73; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). George Hoferber. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 4 N., R. 17 E. Water levels, in feet below land-surface datum, 1945: May 14, 118.57; Oct. 24, 118.08.

761 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 58; 947, p. 68; *989, p. 78; 1019, p. 103). Federal Life Insurance Co., Chicago. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 3 N., R. 19 E. Water levels, in feet below land-surface datum, 1945: May 14, 105.14; Oct. 24, 104.74.

765 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 59; 947, p. 68; *989, p. 78; 1019, p. 103). O. Jolliffe. SW $\frac{1}{4}$ sec. 26, T. 3 N., R. 19 E. Water levels, in feet below land-surface datum, 1945: May 14, 105.31; Oct. 24, 105.39.

770 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 59; 947, p. 69; *989, p. 78; 1019, p. 103). A. C. DeHart. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 3 N., R. 19 E. Water levels, in feet below land-surface datum, 1945: May 14, 123.30; Oct. 24, 123.25.

842 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 74; 939, p. 59; 947, p. 69; *989, p. 79; 1019, p. 103). C. A. Rahm. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 6 N., R. 16 E. Water levels, in feet below land-surface datum, 1945: May 13, 117.40; Oct. 25, 116.79.

Tillman County

1 (*1019, p.104). Southwestern Cotton Substation. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 1 S., R. 19 W. Well not pumped during 1945.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	21.77	Apr. 9	21.62	July 9	20.76	Oct. 8	20.60
8	21.93	16	21.53	16	20.70	15	20.57
15	22.07	23	21.48	23	20.62	22	20.59
22	21.94	30	21.61	30	20.64	29	20.53
29	21.89	May 7	21.50	Aug. 6	20.73	Nov. 5	20.47
Feb. 5	21.90	14	21.40	13	20.60	12	20.53
12	21.43	21	21.51	20	20.59	19	20.63
19	21.79	28	21.56	27	20.59	26	20.53
26	21.81	June 4	21.69	Sept. 3	20.71	Dec. 3	20.66
Mar. 5	21.69	11	21.81	10	20.88	10	20.65
11	21.74	18	21.49	17	20.85	17	20.54
19	21.69	26	21.08	24	20.98	24	20.63
26	21.66	July 2	20.95	Oct. 1	20.73	31	20.67
Apr. 2	21.68						

Woodward County

1 (*909, p. 74; 939, p. 59; 947, p. 69; *989, p. 79; 1019, p.104). Oklahoma City Water Department. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 20 N., R. 17 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 8	3.17	July 11	3.03	Nov. 16	4.21
May 15	3.02	Sept. 12	a 5.2		
a Dry.					

2 (*909, p. 75; 939, p. 59; 947, p. 69; *989, p. 79; 1019, p.104). Oklahoma City Water Department. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 23 N., R. 21 W.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 8	3.14	July 11	2.79	Nov. 16	3.72
May 15	3.04	Sept. 12	a 5.05		
a Dry.					

3 (*909, p. 75; 939, p. 59; 947, p. 69; *989, p. 79; 1019, p.104). Western State Hospital, Supply. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, T. 24 N., R. 22 W. Water levels, in feet below land-surface datum, 1945: Feb. 7, 7.37; May 15, 7.70.

TEXAS

By R. W. Sundstrom

INTRODUCTION

A State-wide investigation of the ground-water resources of Texas has been in progress since 1929 in cooperation with the Texas State Board of Water Engineers. A more or less continuous program of periodical measurements of water levels or artesian pressures in selected observation wells has been carried on since the start of this study and has been expanded from time to time as new projects started. During 1945, 2,146 measurements were made in 856 wells in 41 counties.

PRECIPITATION

For the purpose of summarizing climatological data, the United States Weather Bureau has divided Texas into three parts: The western division, comprising all of the State west of the 101st meridian; the middle division, comprising the territory between the 97th and 101st meridians; and the eastern division, comprising all of the State east of the 97th meridian.

The average yearly precipitation increases toward the east, most of the western division being arid and most of the eastern division humid or semi-humid; while the middle division lies between the two. However, the yearly precipitation at a given station in any of the three divisions varies within wide limits. For example, in the western part of the State, at El Paso, the average yearly precipitation for a period of 96 years, from 1850 through 1945, amounted to 9.16 inches, but ranged from 21.81 inches in 1856 to 2.22 inches in 1891. In the eastern part of the State, at Bon Wier, the average yearly precipitation from 1914 through 1945 amounted to 56.34 inches, but ranged from 81.92 inches in 1940 to 38.21 inches in 1925. A similar wide range occurs in the middle division.

The annual precipitation in 1945 over the State as a whole, according to the Weather Bureau's summary, ranged from 6.74 inches at El Paso, in the extreme western part of the State, to 77.34 inches at Orange, in the extreme southeastern part of the State. It averaged 2.91 inches below normal in the western division, near normal in the middle division, and 10.31 inches above normal in the eastern division. In 1944 the precipitation was above normal in all three divisions, amounting to 2.47, 3.72, and 11.43 inches, respectively, in the western, middle, and eastern divisions.

SUMMARY OF CHANGES IN WATER LEVELS IN 1945

BALCONES FAULT ZONE

Most of the observation wells in Bexar, Comal, Guadalupe, Hays, Kinney, Travis, Uvalde, Val Verde, and Williamson Counties are in the Balcones fault zone. Most of them draw water from the Edwards limestone, but a few draw from the Austin chalk, and a few from shallow sands and gravels. The ground-water reservoir in the Edwards limestone is the source of the large springs of the fault zone from the vicinity of Comstock, in Val Verde County, eastward through the cities of Del Rio, San Antonio, New Braunfels, and San Marcos to Austin. Some of these springs are among the largest springs of the United States. The combined average recorded daily discharge of the seven largest--Goodenough, San Felipe, Los Moras, San Antonio, Comal, San Marcos, and Barton is about 550,000,000 gallons a day. The Edwards reservoir also supplies water to irrigation wells in Bexar and Uvalde Counties and to the public and industrial wells in San Antonio and numerous smaller cities. Most of the observation wells in the Edwards limestone are artesian, and the water level in them rises quickly after heavy rains in the outcrop area.

During 1945 water-level measurements were made only once, in May or June, in most of the observation wells in the Balcones fault zone except in Bexar County where an automatic water-stage recorder has been maintained continuously since 1932 on well 436 at the Beverly Lodges tourist court in San Antonio. The average net change in the water level in the Edwards limestone wells from the summer of 1944 to the summer of 1945 in the observation wells is given in the following table by counties.

Average net change in water level in wells in the Edwards limestone in the Balcones fault zone between the summer of 1944 and summer of 1945

County	Number of observation wells	Average rise, in feet	Average decline, in feet
Bexar	7	8.69	
Comal	10	2.41	
Guadalupe	1	8.46	
Hays	2	14.08	
Kinney			4.71
Medina	7	11.53	
Travis	6	20.62	
Uvalde	8	6.67	
Val Verde	1		1.99
Williamson	6	17.94	

SOUTHWEST TEXAS

Dimmit and Zavala Counties; the Winter Garden district.--All of the irrigation wells draw from the Carrizo sand, which crops out in a belt about 1 to 7 miles wide, extending from the Rio Grande northward and north-eastward across the northwestern part of Webb County, western part of Zavala County, the southern part of Uvalde County, and thence eastward and north-eastward. The sand is about 200 feet thick on the average and dips generally to the east or southeast. The belt in which it can be reached at a depth of 1,000 feet or less is about 15 miles wide. Pumping for irrigation on a large scale has been in progress in this area for more than 25 years. In 1938-39 it was estimated that about 30,000 acre-feet of water was pumped. In 1941-42 the rate of pumping was materially increased and since then it has been considerably greater each year than it was in 1938-39. No accurate figures are available, however, for the 1940-45 pumpage.

Down the dip in areas of heavy pumping, the water levels declined persistently each year from 1941 to 1944, with most of the decline taking place during the seasons of 1941-42 and 1942-43. The following table gives the average declines in water level in 12 areas that have taken place in the 3-year period from August 1941 to August 1944, and the decline or rise in water level from August 1944 to August 1945.

Fluctuations of water level in wells in the Carrizo sand in Dimmit and Zavala Counties (from August measurements)

Area	Number of wells	Average decline, in feet, August 1941-August 1944	Rise (+) or decline (-), in feet, August 1944 - August 1945
Outcrop area	6	2.33	+0.03
La Pryor	2	3.96	-.56
Cometa	6	5.00	-1.09
Crystal City	4	37.70	+1.23
Winterhaven	2	31.32	+4.06
Carrizo Springs	2	34.56	+10.29
Asherton	1	47.37	+8.03
Catarina	7	18.77	-1.24
Brundage	1	35.85	+9.02
Big Wells	1	26.24	+3.54
Valley Wells	1	11.84	-.77
El Cid	1	8.89	-.26

Wharton County.--Wharton County produces more rice than any other county in Texas, both surface water and ground water being used to irrigate this crop. For the purpose of comparing water levels in wells from year to year, measurements are made in the spring, just before the start of pumping for rice irrigation. At that time, the irrigation wells have been idle for several months and the water levels in them have made their maximum recovery from the decline caused by pumping in the last season. In the latter part of April 1945, the water levels in 21 observation wells ranged from 2.85 feet higher to 10.21 feet lower than they were in March 1944. On the average, they were 0.9 foot lower in 1945.

Jackson County.--The water levels in 26 observation wells in Jackson County ranged from 3.17 feet lower to 3.05 feet higher and averaged 0.7 foot higher in April 1945 than they did in March 1944.

Matagorda County.--The water levels in three observation wells in Matagorda County ranged from 0.78 foot lower to 1.02 feet higher in April 1945 than they did in March 1944.

Houston district.--Fluctuations of water levels were observed in three general areas designated as (1) the Houston-Pasadena district, (2) the Katy rice-growing district, and (3) the outcrop area of the water-bearing sands which supply the water used in both the Houston-Pasadena and Katy districts. The outcrop area lies west, northwest, and north of Houston in Harris, Fort Bend, Waller, and Montgomery Counties.

In the Houston-Pasadena area the pumpage increased from 77,000,000 gallons a day in 1941 to 112,000,000 gallons a day in 1945. As a result of this increase in pumpage, the general decline of water levels in the wells which began in 1937, continued at an accelerated rate during 1942, 1943, 1944, and the first 8 months of 1945. During the fall and winter of 1945, however, there was a marked decrease in the average rate of decline and a pronounced rise occurred in several observation wells in the vicinity of Pasadena and in eastern Houston owing to a curtailment in the operation of several industrial plants. In observation wells that are screened opposite the heavily pumped sands at Houston and Pasadena and in areas west of Houston, the average decline from the spring of 1942 to the spring of 1945 amounted to about 27.5 feet. The largest decline, averaging 39 feet in 21 observation wells, occurred in the eastern Houston and Pasadena ship channel district where the increase in pumping was the heaviest. In the northern, central, and western parts of Houston and in the locality west of the city there was an average decline of 5.5 feet between spring measurements of 1944 and 1945. In the locality north of Houston the decline in water levels averaged 4.2 feet between 1944 and 1945. In observation wells that are screened opposite the comparatively shallow, lightly pumped sands, the decline in water levels continued from 1942 through 1945 but at a considerably lower rate than the decline in wells in the deeper, more heavily pumped sands. In five representative wells the decline between 1944 and 1945 averaged 3.8 feet.

In the Katy rice-growing area it is estimated that about 34,200 acres was irrigated in 1945 as compared to 31,700 acres in 1944. In 1945 the rainfall during the growing season was considerably greater than it was in 1944, and although the total acreage under irrigation was greater by about 2,500 acres than it was in 1944, the pumpage was estimated at about 56,000 acre-feet (an average of 50,000,000 gallons a day) as compared to 64,000 acre-feet used in 1944. In 38 observation wells in the Katy rice-growing area the average water level rose 1.0 foot between the spring of 1944 and the spring of 1945.

In the outcrop area the water levels in the water-table wells north and northwest of Houston averaged from 5 to 10 feet higher than they were in 1938-40. In localities affected by pumpage by nearby rice irrigation

wells, a decline of 5 to 15 feet occurred each pumping season, which, however was recovered during the winter. Because there has been no material decline in the water levels in the outcrop area during the period of record, it appears that more water has been contributed to storage in the outcrop area (the ultimate source of the ground-water supply of the Houston district) than has moved down the dip toward the pumped area.

Galveston-Alta Loma-Texas City district.--The water levels in observation wells throughout Galveston County have declined persistently for a number of years due to the continued heavy pumping in the industrial areas centering around Texas City and vicinity, and pumping in the Alta Loma well field by the city of Galveston. In 1945, the water levels in eight of nine observation wells ranged from 4.18 feet to 23.20 feet lower than they were in 1944, the average net decline in these wells amounting to 10.0 feet.

HIGH PLAINS

The High Plains in Texas occupy an area of about 35,000 square miles, which extends from the northern boundary of the Panhandle southward about 300 miles and from the Texas-New Mexico state line eastward an average distance of about 120 miles to a boundary that is sharply defined in most places by bold escarpment several hundred feet high.

The rapid development of irrigation from wells in the High Plains in Texas during the last 10 years is believed to be unprecedented anywhere in the United States. In 1944 about 450,000 acres was under irrigation and the total area within the exterior boundaries of the irrigated districts amounted to about 3,000,000 acres. Hence, about 15 percent of the total area was irrigated and there was, on the average, one well to about 1,000 acres. In the more heavily pumped localities the wells were more closely spaced, the average being one well to 280 acres in one area of 50 square miles and one well to 300 acres in another area of 50 square miles.

Since 1937 water-level measurements have been made periodically in several hundred observation wells in the High Plains. Some of these wells are used for irrigation, some for domestic purposes and stock, and some are unused. Until 1940, measurements were made for the most part at intervals of 1 to 3 months. It has been found, however, that the most dependable information regarding net annual losses from or additions to storage in the ground-water reservoirs in the pumping districts and closely

adjacent territory can be obtained by comparing water-level measurements made in successive years in the late winter or early spring before irrigation has been started. Therefore, the measurements at other times during the year have been dropped, but the late winter and spring measurements are made each year.

From 1937 to 1941, a period of subnormal precipitation, the increase in irrigation was accompanied by a persistent decline of the water table. During 1941 the precipitation was very heavy, the heaviest on record in parts of the region. Consequently, the water requirements for irrigation were small, recharge to the ground-water reservoirs was unusually large, and observation wells in each pumping district showed a pronounced rise in water levels. During 1942 precipitation was again above average, pumping was again light, and the water levels in most of the wells either remained nearly stationary or rose slightly. During 1943 the precipitation was light, and pumping was greater than ever before. Practically all the observation wells showed a decline in water levels from February 1943 to February 1944. The net change in the water levels from February 1944 to February 1945 in 10 counties of the High Plains in Texas is discussed below.

Bailey County.--The records of water-level measurements in 22 selected observation wells in Bailey County show a net decline ranging from 0.1 foot to 1.5 feet and averaging 0.8 foot from February 1944 to February 1945. These wells are distributed fairly evenly over the irrigation district which extends from the sand hills northward to the southern boundary of Farmer County. The outstanding feature in these records is that the exceptionally large rise due to recharge during the wet year of 1941 has been well maintained for the last 3 years and the water levels are several feet above the average for the 5 years 1936 to 1940, inclusive.

Castro County.--In the older irrigation district in the northern part of the county, the records of water levels in nine observation wells show changes ranging from a decline of 1.5 feet to a rise of 1.1 feet between February 1944 and February 1945. In the newer irrigation district in the south-central and southeastern parts of the county, the changes in water levels in eight observation wells during the same period range from a decline of 0.6 foot to a rise of 0.3 foot. The measurements in Castro County, as a whole, show comparatively little net change in water levels since the observations were started in 1936-39.

Crosby County.--Records of water-level measurements in February 1944 and February 1945 are available for only three observation wells in Crosby County all of which are in the irrigation district in the northern part of the county. One well on the upland had a rise of 0.3 foot and two near playa lakes had a decline of 0.1 foot and 0.5 foot, respectively. According to the few records available, the water levels in the irrigated area in Crosby County were somewhat higher in February 1945 than they were at the start of the measurements in 1937 and 1938.

Deaf Smith County.--Water-level measurements in 36 observation wells distributed fairly evenly over the irrigation district, which covers most of the southeastern quarter of the county, show changes ranging from a decline of 2.2 feet to a rise of 1.6 feet and a mean average decline of 0.2 foot between February 1944 and February 1945. In Deaf Smith County from the beginning of record until the spring of 1941 there was a persistent net decline in water levels each year. During 1941-42 the water levels recovered somewhat. In 1943, with the return of heavy pumping, the downward trend was resumed. Outside of the most heavily pumped districts, the net decline since 1936-37 has been comparatively small.

Floyd County.--The records of water levels in 27 observation wells show a net decline ranging from 0.7 foot to 4.1 feet and averaging 2.2 feet from February 1944 to February 1945. The wells are distributed fairly evenly over the irrigation district which covers the western third of the county. From the beginning of the measurements until the spring of 1941 a net decline was recorded each year. During 1941-42 the water levels recovered somewhat. In 1943, with the return of heavy pumping, the downward trend was resumed and is still in effect.

Hale County.--The records of water levels in 53 observation wells show a net decline ranging from 0.1 foot to 3.5 feet and averaging 1.4 feet from February 1944 to February 1945. The wells are distributed fairly evenly over the irrigated areas of the northern two-thirds of the county. From the beginning of the records until the spring of 1941 there was a gradual but persistent decline of water levels in the principal irrigated areas. During 1941-42 the water levels recovered somewhat. In 1943, with the return of heavy pumping, the downward trend in most of the wells was resumed and is still in effect.

Hockley County.--The records of water levels in seven observation wells in the older irrigated area in the northeastern part of the county show a net decline ranging from 0 to 2.4 feet and averaging 1.4 feet from February 1944 to March 1945. In the newer irrigated areas in the central and southeastern parts of the county, five observation wells showed a net rise in water levels ranging from 0.2 foot to 0.8 foot and averaging 0.4 foot during the same period. According to the few available records, the water levels were higher in March 1945 than they were at the start of measurements in 1937-39.

Lamb County.--The records of water levels in nine observation wells in the northwestern part of the county north of the sand hills show changes ranging from a decline of 1.4 feet to a rise of 0.3 foot and a net average decline of 0.7 foot from February 1944 to February 1945. Records of 11 wells in the north-central and northeastern part of the county for the same period show changes ranging from a decline of 1 foot to a rise of 0.2 foot and a net average decline of 0.2 foot. In the central and southeastern part of the county, south of the sand hills, the records of six wells show changes ranging from a decline of 2.3 feet to a rise of 0.8 foot and a net average decline of 0.5 foot. The water levels in the county as a whole were substantially higher in February 1945 than they were at the start of the records in 1936-37.

Lubbock County.--The records of water-level measurements in 56 observation wells include areas of both heavy and light pumping. In 22 wells on the uplands remote from streams or lakes, 10 in the more heavily pumped area show a net decline ranging from 0.1 foot to 2.0 feet and averaging 1.0 foot from February 1944 to February 1945; 5 wells in areas of moderate to heavy pumping show no net change during this period; 7 wells mostly in areas of light pumping show a rise ranging from 0.2 foot to 1.1 feet and averaging 0.7 foot; 12 wells in pumping areas near streams or lakes show a decline ranging from 0.1 foot to 4.0 feet and averaging 1.5 feet. With the exception of three wells near the heavily pumped city of Lubbock well field, all of the observation wells in the county for which records are available show a net rise in water levels between 1936-38 and February 1945.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Angelina County

1 (*849-A, p. 50; *909, p. 84; 939, p. 71; 947, p. 86; *989, p. 94; 1019, p. 112). E. P. McKnight. No measurements made in 1945.

43 (*840, p. 378; 845, p. 446; 849-A, p. 50; 886, p. 655; 909, p. 84; 939, p. 71; 947, p. 86; *989, p. 94; 1019, p. 112). W. A. Collmorgan. 3.5 miles north of Lufkin. No measurements made in 1945.

168 (*909, p. 85; 939, p. 71; 947, p. 86; *989, p. 94; 1019, p. 112). City of Lufkin. About 300 feet west of Redland School. No measurements made in 1945.

169 (*909, p. 85; 939, p. 71; 947, p. 86; *989, p. 95; 1019, p. 112). Gulf Pipe Line Co. 2.75 miles northwest of Redland. No measurements made in 1945.

170 (*947, p. 87; *989, p. 95; 1019, p. 112). Southland Paper Mills, Inc. No measurements made in 1945.

171 (*947, p. 87; *989, p. 95; 1019, p. 112). Southland Paper Mills, Inc. No measurements made in 1945.

172 (*947, p. 87; *989, p. 95; 1019, p. 112). Southland Paper Mills, Inc. No measurements made in 1945.

173 (*947, p. 87; *989, p. 95; 1019, p. 112). Southland Paper Mills, Inc. No measurements made in 1945.

174 (*947, p. 87; *989, p. 95; 1019, p. 112). Southland Paper Mills, Inc. East well of group A, 8 miles northeast of Lufkin. No measurements made in 1945.

Aransas County

35 (*909, p. 85; 939, p. 71; 947, p. 88). W. S. Kirby. On west side of State Highway 35, in northeast edge of Aransas Pass. Measuring point is 0.5 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 28, 5.5.

46 (*909, p. 85; 939, p. 71; 947, p. 88). R. R. Barber. In Estes, on northwest side of State Highway 35, 5.25 miles southwest of Rockport. Measuring point is 1.0 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 28, 6.8.

59 (*909, p. 85; 939, p. 71; 947, p. 88). E. F. Barber. 5.5 miles west of Rockport. Measuring point is 1.0 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 28, 8.1.

77 (*909, p. 85; 939, p. 71; 947, p. 88). H. G. Smith. 0.5 mile southwest of center of Rockport, in southwest edge of Rockport. Measuring point is 0.5 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 29, 3.04.

244 (*909, p. 85; 939, p. 71; 947, p. 88). Willie Owens. 0.6 mile northeast of Oak Grove School. Measuring point is 1.3 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 29, 8.6.

247 (*909, p. 85; 939, p. 72; 947, p. 99). G. M. Broach. 0.6 mile west of State Highway 35 on Bayside road, 60 feet north-northeast of windmill well. Measuring point is 0.3 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Dec. 28, 4.19.

Bailey County

5a (*840, p. 379; 845, p. 446; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 112). Gus Schrader. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, blk. Z, 10 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 62.48.

9 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 112). Jim Ellis. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, blk. Z, 10.5 miles west of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 38.73.

11 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 112). No measurements made in 1945.

21a (*886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113). Mrs. J. W. Gregory, Sr. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, blk. X, 8 miles west of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 22.70.

25 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113). C. A. Wagner. NW. corner SE $\frac{1}{4}$ sec. 6, blk. Z, 8 miles west of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 20.15.

33 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113). Mrs. J. W. Gregory. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, blk. X, 7 miles northeast of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 28.65.

35a (*886, p. 656; 909, p. 86; 939, p. 72; *989, p. 96; 1019, p. 113). F. O. Boone. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, blk. X, 4.5 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 22.80.

36 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 88; *989, p. 96; 1019, p. 113). J. M. Murrah. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, blk. X, 4.75 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 16.50.

45 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 96; 1019, p. 113). H. M. Schorner. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, blk. Y, 2.2 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 16.34.

49 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 96; 1019, p. 113). Jesse Mitchell. NW. corner NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, blk. X, 3.75 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 20.82.

53 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 96; 1019, p. 113). W. B. Gwyn, Sr. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, blk. Y, 3.25 miles northwest of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 19.80.

62 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 97; 1019, p. 113). Briscoe. Formerly owned by Levi Churchill. NW. corner SE $\frac{1}{4}$ sec. 42, blk. Y, 2.75 miles north of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 19.15.

63 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72; 947, p. 89; *989, p. 97; 1019, p. 113). Sam Gorrell. NW. corner SW $\frac{1}{4}$ sec. 42, blk. Y, 2.75 miles north of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 20.70.

66 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113). J. L. Wallace. NW. corner NE $\frac{1}{4}$ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 17.65.

67 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113). J. L. Wallace. NW corner NE $\frac{1}{4}$ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 16.67.

69 (*840, p. 381; 845, p. 447; 886, p. 656; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113). E. R. Hart. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 52, blk. Y, 1.75 miles north of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 12.75.

79 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113). D. E. Cox. SW corner NW $\frac{1}{4}$ sec. 53, blk. Y, 1 mile north of Muleshoe. Water level, in feet below land-surface datum, 1945: Feb. 20, 21.60.

92 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 113). L. H. McConnell. No measurements made in 1945.

95 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114). E. R. Hart. No measurements made in 1945.

108 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114). T. L. Mounts. No measurements made in 1945.

116 (*840, p. 381; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114). E. R. Hart. No measurements made in 1945.

117 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114). H. L. Dempster. No measurements made in 1945.

120 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 89; *989, p. 97; 1019, p. 114). I. F. Wilman. No measurements made in 1945.

130 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 90; *989, p. 98; 1019, p. 114). E. R. Hart. No measurements made in 1945.

131 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 90; *989, p. 98; 1019, p. 114). R. D. Precure. No measurements made in 1945.

132 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73; 947, p. 90; *989, p. 98; 1019, p. 114). J. A. Ryan. No measurements made in 1945.

135 (*840, p. 382; 845, p. 448; 886, p. 657; 939, p. 73; 947, p. 90; *989, p. 98; 1019, p. 114). C. H. Lehew. No measurements made in 1945.

136 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114). C. A. Barnett. No measurements made in 1945.

137 (*840, p. 383; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114). C. H. Whitehead. No measurements made in 1945.

141 (*840, p. 383; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114). L. L. Lowery. No measurements made in 1945.

201a (*909, p. 88; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114). Halsell Land & Cattle Co. No measurements made in 1945.

205 (*840, p. 383; 845, p. 448; 886, p. 657; 909, p. 89; 939, p. 74; *989, p. 98; 1019, p. 114). Halsell Land & Cattle Co. No measurements made in 1945.

207 (*840, p. 383; 845, p. 449; 886, p. 657; 909, p. 89; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114). Mr. Whittington. No measurements made in 1945.

324a (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 89; 939, p. 74; 947, p. 90; *989, p. 98; 1019, p. 114). Foard County School land. No measurements made in 1945.

355 (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 89; 947, p. 90; *989, p. 98; 1019, p. 114). H. L. Wilson. No measurements made in 1945.

435 (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 90; 939, p. 74; 947, p. 90; *989, p. 99; 1019, p. 114). I. C. Enochs. No measurements made in 1945.

Bexar County

15 (*777, p. 179; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 658; 909, p. 90; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115). Robert Mechler. 8 miles east of Castroville. Water level, in feet below land-surface datum, 1945: June 6, 112.72.

26 (*777, p. 181; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 659; 909, p. 90; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115). Fuller's earth plant. 13.5 miles west of San Antonio. Water level, in feet below land-surface datum, 1945: June 4, 97.56.

28 (*777, p. 181; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115). Robert Boenig. 8 miles west of San Antonio. Water level, in feet below land-surface datum, 1945: June 4, 58.73.

XB-1 (*840, p. 386; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115). Oscar Schievelbein. 11 miles west of San Antonio. Water level, in feet below land-surface datum, 1945: June 4, 113.91.

XB-2 (*840, p. 386; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115). Oscar Bippert. 14.5 miles west of San Antonio. Water level, in feet below land-surface datum, 1945: June 4, 64.79.

XB-3 (*845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115). Beitel Church. 8 miles northeast of San Antonio. Water level, in feet below land-surface datum, 1945: May 23, 47.29.

436 (*909, p. 91; 939, p. 75; 947, p. 91; *989, p. 99; 1019, p. 115). Beverly Lodges. At Beverly Lodges tourist court, in northeast part of San Antonio.

Highest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	43.61	41.68	41.87	42.62	46.76	48.33	50.54	52.00	....	50.49	50.95
2	....	43.62	41.71	41.33	42.74	47.06	48.26	50.37	51.93	....	50.55	50.99
3	....	43.62	41.81	41.11	42.90	47.05	48.45	50.18	51.81	51.27	50.62	50.78
4	....	43.64	41.83	41.05	42.66	47.05	48.51	50.26	52.05	51.18	50.72	50.77
5	46.88	43.45	41.78	40.96	42.57	47.38	48.50	50.29	52.30	51.13	50.55	50.78
6	46.73	43.22	41.98	40.83	42.50	47.60	48.82	50.23	52.60	50.93	50.81	50.77
7	46.76	43.15	42.08	40.85	42.38	47.75	48.97	50.58	52.88	50.60	51.00	50.84
8	46.70	43.20	42.14	40.80	42.71	48.02	48.98	50.81	53.02	50.30	51.05	50.77
9	46.87	43.06	42.40	40.65	42.79	48.16	48.92	51.15	52.95	50.35	51.15	50.80
10	46.95	43.13	42.65	40.77	42.88	48.12	49.27	51.30	52.85	50.04	50.95	50.91
11	46.95	43.15	42.63	40.87	42.90	47.91	49.58	51.51	53.15	49.70	50.60	50.95
12	46.98	42.84	42.63	40.95	43.03	48.26	49.57	51.57	53.38	49.53	50.39	50.18
13	47.00	41.58	42.88	41.08	43.03	47.61	49.85	51.43	53.38	49.47	50.36	49.80
14	47.05	41.28	42.88	41.21	42.99	47.55	49.95	51.90	53.08	49.36	50.51	49.81
15	47.03	41.17	42.94	41.26	43.27	47.66	49.91	52.10	53.22	49.19	50.59	49.82

436--Continued.

Highest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	47.25	41.07	43.08	41.12	43.48	47.92	49.64	52.12	53.03	49.35	50.42	49.82
17	47.20	40.95	43.34	41.23	43.68	47.93	49.76	52.32	52.75	49.23	50.45	49.62
18	46.77	40.98	43.19	41.46	43.80	47.85	50.05	52.63	53.00	49.42	50.42	49.45
19	45.28	40.84	42.91	41.68	44.02	47.38	50.23	52.57	53.28	49.43	50.37	49.64
20	44.60	40.81	43.00	41.76	44.33	47.40	50.32	52.40	53.65	49.56	50.34	49.75
21	43.98	41.27	43.02	41.57	44.04	47.31	50.49	52.79	53.75	49.55	50.47	49.62
22	43.78	41.48	43.03	41.44	44.23	47.37	50.38	53.07	53.75	49.59	50.56	49.58
23	43.70	41.52	42.99	41.37	44.43	47.25	50.22	52.70	53.62	49.75	50.54	49.50
24	43.52	41.54	42.96	41.55	44.65	47.17	50.52	52.39	52.90	49.97	50.54	49.32
25	43.43	41.50	43.14	41.64	45.01	47.06	50.60	52.25	52.94	49.86	50.56	49.27
26	43.50	41.42	43.07	42.01	45.29	47.35	50.84	51.98	53.05	50.02	50.55	.....
27	43.40	41.53	43.36	42.23	45.18	47.60	50.90	51.57	53.12	50.24	50.62	.....
28	43.42	41.65	43.52	42.27	45.09	47.87	51.12	51.61	53.13	50.28	50.78	.....
29	43.44		43.56	42.40	45.92	48.01	51.01	51.78	52.90	50.20	50.84	.....
30	43.55		43.52	42.37	46.32	48.30	50.85	51.81	.....	50.39	50.92	.....
31	43.61		42.68		46.62		51.14	51.86		50.47		.....
Avg.	45.42	42.15	42.72	41.39	43.81	47.59	49.80	52.58	52.95	50.01	50.62	50.18

Brazoria County

10 (*1019, p. 116). Gulf Coast & Santa Fe Railroad Co. About 200 feet north of depot, at Pearland. Water level, in feet below land-surface datum, 1945: Mar. 21, 94.36.

Brooks County

202 (*777, p. 183; 840, p. 386; 845, p. 451; 939, p. 76; *989, p. 100; 1019, p. 116). E. C. Lasater Estate. 4 miles west-northwest of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 8, 36.53.

254 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 659; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116). E. G. Maun. 2.5 miles northwest of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 8, 35.14.

266 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 659; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116). Col. J. E. McDonald. 2 miles northwest of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 8, 24.56.

270 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 659; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116). J. W. Story. 1 mile northwest of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 8, 37.82.

273 (*777, p. 185; 840, p. 386; 845, p. 451; 886, p. 660; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116). George Franks. 1.5 miles west of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 13, 28.55.

323 (*777, p. 184; 840, p. 387; 845, p. 451; 886, p. 660; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116). R. D. Dohance. 1 mile southwest of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 8, 15.31.

324 (*777, p. 184; 840, p. 387; 845, p. 451; 886, p. 660; 909, p. 96; 939, p. 76; *989, p. 100; 1019, p. 116). L. O. Atkinson. 1 mile south of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 13, 18.03.

340 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 100; 1019, p. 116). Dr. H. M. Bennett. 2 miles south of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 13, 18.06.

390 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 116). Southern Pacific Railroad Co. Northeast of depot in Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 9, 28.26.

397 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117). J. W. Dale. 2 miles east of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 13, 24.02.

405 (*777, p. 186; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117). A. Rupp. 5 miles east of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 13, 41.26.

474 (*777, p. 186; 840, p. 387; 845, p. 452; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117). A. Rupp. 5.5 miles east-southeast of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 9, 39.45.

504 (*777, p. 187; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117). Neal Rupp. 5.5 miles east-southeast of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 9, 34.36.

505 (*777, p. 187; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 96; 939, p. 77; *989, p. 101; 1019, p. 117). Neal Rupp. 5.5 miles east-southeast of Falfurrias. Water level, in feet below land-surface datum, 1945: Mar. 9, 34.91.

865 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77; *989, p. 101; 1019, p. 117). Florencio Rodriguez. 4.5 miles west of Rachal. Water level, in feet below land-surface datum, 1945: Mar. 10, 77.02.

872 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 989, p. 101; 1019, p. 117). Victor Martinez. 1 mile north of Perez. Water level, in feet below land-surface datum, 1945: Mar. 10, 43.01.

874 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 939, p. 77; 989, p. 101; 1019, p. 117). Matilde Martinez. 7.75 miles west-southwest of Rachal. Water level, in feet below land-surface datum, 1945: Mar. 10, 42.20.

882 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77; *989, p. 101; 1019, p. 117). E. Villareal. 5 miles west of Rachal. Water level, in feet below land-surface datum, 1945: Mar. 10, 68.89.

885 (*777, p. 184; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77; *989, p. 101; 1019, p. 117). Juan Longoria. No measurements made in 1945.

921 (*777, p. 185; 840, p. 387; 845, p. 452; 886, p. 660; 909, p. 97; 939, p. 77; 989, p. 102; 1019, p. 117). No measurements made in 1945.

Castro County

4 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 947, p. 92; *989, p. 102; 1019, p. 117). L. L. Cannon. No measurements made in 1945.

8 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117). S. P. Rosson. NW. corner SW $\frac{1}{4}$ sec. 125, blk. M7, 4.5 miles southeast of Summerfield. Water level, in feet below land-surface datum, 1945: Feb. 28, 71.9.

18 (*845, p. 454; 886, p. 661; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117). Frio Public School. NE. corner NE $\frac{1}{4}$ sec. 118, blk. M7, 11.5 miles northwest of Dimmitt. Water level, in feet below land-surface datum, 1945: Feb. 28, 69.35.

20 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117). A. C. Hawks. NW corner NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 97, blk. M7, 8 miles east of Summerfield and 1.7 miles southeast of Frio Public School. Water level, in feet below land-surface datum, 1945: Feb. 28, 69.5.

32 (*840, p. 388; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 117). W. A. Springer. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 81, blk. M7, 8 miles east of Summerfield and 2 miles east of Frio Public School. Water level, in feet below land-surface datum, 1945: Feb. 28, 64.6.

36 (*845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118). V. K. McCaskill. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 72, blk. M7, 12 miles north of Dimmitt. Water level, in feet below land-surface datum, 1945: Feb. 28, 85.1.

40 (*845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118). W. W. Adams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 51, blk. M7, 10 miles north of Dimmitt. Water level, in feet below land-surface datum, 1945: Feb. 28, 65.3.

48 (*840, p. 388; 845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118). J. M. Richardson. NW corner NW $\frac{1}{4}$ sec. 30, blk. M7, 13.2 miles east of Summerfield. Water level, in feet below land-surface datum, 1945: Feb. 28, 59.0.

52 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 102; 1019, p. 118). C. G. Maples. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, blk. M10A, 6.5 miles north of Dimmitt. Water level, in feet below land-surface datum, 1945: Feb. 28, 73.0.

53 (*840, p. 388; 845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 92; *989, p. 103; 1019, p. 118). W. A. Hunter. SW corner SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 52, blk. M7, 11 miles east of Summerfield. Water level, in feet below land-surface datum, 1945: Feb. 28, 59.8.

57 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118). No measurements made in 1945.

58 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118). Owner unknown. SW corner SW $\frac{1}{4}$ sec. 2, J. E. Tucker subdivision, 2 miles northeast of Dimmitt. Water level, in feet below land-surface datum, 1945: Feb. 28, 151.75.

201 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118). No measurements made in 1945.

202 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78; 947, p. 93; *989, p. 103; 1019, p. 118). Frank Huseman. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 222, blk. M6, 11 miles east of Dimmitt. Water level, in feet below land-surface datum, 1945: Feb. 28, 103.6.

Cochran County

1 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 78; 947, p. 93; 1019, p. 118). Beck Gin Co. Northeastern edge of Whiteface. Measuring point is 1.2 feet above land-surface datum. Water level, in feet below land-surface datum, 1945: Feb. 28, 149.7.

5 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 78; 947, p. 93; 1019, p. 118). Dave Linder. At dugout, 8.0 miles northwest of county line at Whiteface, and 0.15 mile south of State Highway 24. Measuring point is 0.5 foot above land-surface datum. Water level, in feet below land-surface datum, 1945: Feb. 22, 125.6.

10 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 93; 1019, p. 118). John W. Lynch. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, league 105, 5 miles north of Morton. Measuring point is at land-surface datum. Water level, in feet below land-surface datum, 1945: Feb. 22, 94.20.

Comal County

117 (*886, p. 663; 909, p. 100; 939, p. 79; 947, p. 79; *989, p. 103; 1019, p. 118). Alfred Beierle. Elias Flint survey, 3.5 miles southeast of Spring Branch. Water levels, in feet below land-surface datum, 1945: May 17, 95.3; July 12, 102+.

118 (*886, p. 663; 909, p. 100; 939, p. 79; 947, p. 93; *989, p. 103; 1019, p. 118). Henry Jonas Estate. A. H. Jonas survey 78, 3 miles northwest of Smithson Valley. Water levels, in feet below land-surface datum, 1945: May 17, 93.0; July 12, 92.63.

119 (*886, p. 663; 909, p. 100; 939, p. 79; 947, p. 93; *989, p. 103; 1019, p. 119). John Stricker. 4 miles southeast of Spring Branch. Water levels, in feet below land-surface datum, 1945: May 17, 138.4; July 12, 138.8.

120 (*886, p. 663; 909, p. 101; 939, p. 79; 947, p. 93; *989, p. 103; 1019, p. 119). S. L. Gill. 2 miles south of Spring Branch. Water levels, in feet below land-surface datum, 1945: May 17, 73.1; July 12, 77.6.

131 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 103; 1019, p. 119). J. B. Graham. 5.5 miles south of Spring Branch. Water level, in feet below land-surface datum, 1945: July 12, 101.88.

155 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 103; 1019, p. 119). George Fronne. 4.5 miles north of Bulverde. Water levels, in feet below land-surface datum, 1945: May 17, 114.7; July 12, 116.6.

162 (*909, p. 101; 939, p. 80; 947, p. 94; *989, p. 103; 1019, p. 119). H. Conrads. Formerly owned by O. A. Doeppenschmidt. 10.5 miles northeast of Bulverde. Water levels, in feet below land-surface datum, 1945: May 17, 137.4; July 5, 139.5.

171 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). Mrs. Mattie Shelburne. 3 miles northeast of Bulverde. Water levels, in feet below land-surface datum, 1945: May 18, 190.5; July 5, 207.75.

183 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). August Wehe. In Bulverde. Water levels, in feet below land-surface datum, 1945: May 18, 121.8; July 5, 211.9.

184 (*886, p. 664; 909, p. 101; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). Charles Willig. 1.5 miles east of Bulverde. Water levels, in feet below land-surface datum, 1945: May 4, 79.0; May 18, 111.0.

221 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). Albert Simon. 4 miles north of New Braunfels. Water levels, in feet below land-surface datum, 1945: May 23, 155.72; July 2, 157.05.

222 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). William Kraft. 4 miles northwest of New Braunfels. Water levels, in feet below land-surface datum, 1945: May 23, 169.68; July 3, 170.5.

223 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). Albert Kraft. 4.5 miles northwest of New Braunfels. Water levels, in feet below land-surface datum, 1945: May 23, 197.55; July 6, 199.18.

225 (*886, p. 664; 909, p. 102; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). W. H. Harborth Estate. 4 miles northwest of New Braunfels. Water levels, in feet below land-surface datum, 1945: May 23, 162.02; July 3, 163.85.

232 (*886, p. 664; 909, p. 103; 939, p. 80; 947, p. 94; *989, p. 104; 1019, p. 119). Kruegler Bros. 8 miles northwest of New Braunfels. Water levels, in feet below land-surface datum, 1945: May 18, 182.4; July 4, 181.48.

263-A (*886, p. 665; 909, p. 103; 939, p. 80; 947, pp. 94-95; *989, p. 104; 1019, p. 119). Alfred Kappelmacher. No measurements made in 1945.

271 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120). Alfred Wallhoefer. 1.5 miles northeast of Gruene station. Water levels, in feet below land-surface datum, 1945: May 22, 83.64; July 6, 85.23.

274 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120). Charles Soechting. 3 miles northeast of Gruene station. Water levels, in feet below land-surface datum, 1945: May 23, 143.78; July 6, 145.30.

278 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120). Nancy Gruene. 2.5 miles southwest of Hunter. Water levels, in feet below land-surface datum, 1945: May 22, 141.02; July 6, 143.26.

291 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120). Oscar Preiss. 1.1 miles southeast of Thornhill School. Water levels, in feet below land-surface datum, 1945: May 23, 50.02; July 6, 50.14.

326 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120). William Schaeffer. 3.5 miles southwest of Solms. Water levels, in feet below land-surface datum, 1945: May 23, 29.42; July 4, 32.00.

336 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120). A. W. Felch. 1.1 miles southwest of Solms. Water levels, in feet below land-surface datum, 1945: May 23, 78.48; July 4, 80.09.

373 (*840, p. 391; 845, p. 458; 886, p. 665; 909, p. 104; 939, p. 81; 947, p. 95; *989, p. 105; 1019, p. 120). L. Jentsch. 1 mile east of Solms. Water levels, in feet below land-surface datum, 1945: May 23, 18.83; July 13, 20.14.

399 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 95; *989, p. 106; 1019, p. 120). John Karback. 1.3 miles north of Gruene. Water level, in feet below land-surface datum, 1945: May 23, 165.71.

588 (*947, p. 95; *989, p. 106; 1019, p. 120). O. A. Stoepler. No measurements made in 1945.

Crosby County

1 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 947, p. 96; *989, p. 106; 1019, p. 120). J. T. Vaughan. No measurements made in 1945.

2 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 947, p. 96; *989, p. 106; 1019, p. 121). No measurements made in 1945.

3 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 106; 1019, p. 121). New Home School. 3.85 miles south of Cone. Water level, in feet below land-surface datum, 1945: Mar. 6, 136.06.

4 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 104; 1019, p. 121). W. H. Watts. 6.75 miles south of Cone, on west side of road. Water level, in feet below land-surface datum, 1945: Feb. 8, 120.9.

7 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 106; 1019, p. 121). B. F. Lackey. In Ralls, on north side of U. S. Highway 62, 3 miles west of its junction with State Highway 207. Water level, in feet below land-surface datum, 1945: Mar. 6, 90.51.

9 (*840, p. 393; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82; 947, p. 96; *989, p. 106; 1019, p. 121). Dallas Stock Land Bank. On east edge of Lorenzo, 1 block north of U. S. Highway 62, on east side of road. Water level, in feet below land-surface datum, 1945: Mar. 6, 77.67.

Dawson County

9 (*909, p. 108; 947, p. 96; *989, p. 106; 1019, p. 121). I. M. Stafford. NE. corner SE $\frac{1}{4}$ sec. 41, blk. 35, T. 5 N., 6.6 miles southeast of Lamesa on U. S. Highway 87, thence 1.5 miles west. No measurements made in 1945.

101 (*1019, p. 121). F. King. NW $\frac{1}{4}$ sec. 3, blk. 35, T. 6 N., 4 miles northeast of Lamesa. Unused drilled irrigation well, diameter 22 inches, depth 150 feet. Measuring point, top of concrete curb, 0.5 foot above land-surface. No measurements made in 1945.

602 (*804, p. 395; 845, p. 460; 886, p. 670; 909, p. 108; *989, p. 106; 1019, p. 121). A. Gable. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 44, blk. 35, T. 6 N., 1.6 miles northeast of Lamesa and 0.45 mile west of U. S. Highway 87. No measurements made in 1945.

603 (*840, p. 395; 845, p. 460; *989, p. 107; 1019, p. 121). Ralph Grant. No measurements made in 1945.

606 (*840, p. 395; 845, p. 460; 886, p. 670; 909, p. 108; 947, p. 96; *989, p. 107; 1019, p. 121). Gus White. No measurements made in 1945.

607 (*840, p. 395; 845, p. 460; 886, p. 670; 909, p. 108; *989, p. 107; 1019, p. 121). Gus White. No measurements made in 1944.

611 (*840, p. 396; 845, p. 460; 886, p. 670; 909, p. 108; 947, p. 96; *989, p. 107; 1019, p. 121). U. B. Hohn. No measurements made in 1945.

612 (*840, p. 396; 845, p. 460; 886, p. 670; 909, p. 108; 947, p. 97; *989, p. 107; 1019, p. 121). G. H. Greenlee. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, blk. 34, T. 7 N., 12.4 miles northeast of Lamesa on U. S. Highway 87, thence 0.2 mile west. No measurements made in 1945.

702 (*840, p. 396; 845, p. 461; 886, p. 670; 909, p. 108; 947, p. 97; *989, p. 107; 1019, p. 121). Mrs. W. H. Gartin. No measurements made in 1945.

705 (*840, p. 396; 845, p. 461; 909, p. 108; *989, p. 107; 1019, p. 121). R. D. Simpson. No measurements made in 1945.

706 (*840, p. 396; 845, p. 461; 909, p. 108; *989, p. 107; 1019, p. 121). H. Richardson. SE. corner SE $\frac{1}{4}$ sec. 12, blk. 35, T. 4 N., 9.2 miles northeast of Ackerly. No measurements made in 1945.

709 (*840, p. 397; 845, p. 461; 886, p. 670; 909, p. 108; *989, p. 107; 1019, p. 122). Truett Shipley. No measurements made in 1945.

710 (*840, p. 397; 845, p. 461; 886, p. 670; 909, p. 109; *989, p. 107; 1019, p. 122). O. Williams. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, blk. 35, T. 4 N., 9.1 miles southeast of Lamesa on U. S. Highway 87, thence 1.2 miles west. No measurements made in 1945.

711 (*840, p. 397; 845, p. 461; 886, p. 670; 909, p. 109; 947, p. 97; *989, p. 107; 1019, p. 122). Dan Bartlett. NW $\frac{1}{4}$ sec. 3, blk. 35, T. 4 N., 9.1 miles southeast of Lamesa on U. S. Highway 87, thence 1.6 miles west. No measurements made in 1945.

712 (*840, p. 397; 845, p. 461; 909, p. 109; 947, p. 97; *989, p. 107; 1019, p. 122). H. H. Barron. Near center of sec. 33, blk. 35, T. 5 N., 3.2 miles southeast of Lamesa on U. S. Highway 87, thence 2.4 miles south on dirt road and 0.35 mile east in field. No measurements made in 1945.

713 (*840, p. 397; 845, p. 461; 909, p. 109; *989, p. 107; 1019, p. 122). Elmer Walls. No measurements made in 1944.

714 (*840, p. 397; 845, p. 461; 886, p. 671; 909, p. 109; 947, p. 97; *989, p. 107; 1019, p. 122). H. H. Barron. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, blk. 34, T. 5 N., 3.2 miles southeast of Lamesa on U. S. Highway 87, thence 0.95 mile south on dirt road. No measurements made in 1945.

715 (*1019, p. 122). H. H. Barron. NW. corner SW $\frac{1}{4}$ sec. 21, blk. 35, T. 5 N., 3.2 miles southeast of Lamesa on U. S. Highway 87, thence 0.3 mile south on dirt road. Used drilled stock well, diameter 6 inches, depth 81 feet. Measuring point, top of concrete curb, 0.9 foot above land-surface. Equipped with windmill. No measurements made in 1945.

718 (*840, p. 397; 845, p. 461; 886, p. 671; 909, p. 109; *989, p. 108; 1019, p. 122). J. E. Garland. No measurements made in 1945.

720 (*840, p. 397; 845, p. 461; 886, p. 671; *989, p. 108; 1019, p. 122). C. H. McCormick. On State Highway 15, 0.35 mile west of U. S. Highway 87. No measurements made in 1945.

Deaf Smith County

109 (*1019, p. 122). H. W. Wilson. No measurements made in 1945.

113 (*840, p. 398; 845, p. 462; 886, p. 671; 909, p. 109; 939, p. 84; 947, p. 97; *989, p. 108; 1019, p. 122). A. S. Higgins. NW. corner NW $\frac{1}{4}$ sec. 58, blk. K4, 12.5 miles north of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 100.3.

150 (*845, p. 462; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 97; *989, p. 108; 1019, p. 123). D. Thompson. No measurements made in 1945.

205 (*845, p. 463; 947, p. 98; *989, p. 108; 1019, p. 123). Hill & Ricketts. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 50, blk. K3, 2 miles east of State Highway 51, 9.5 miles north of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 81.9; Dec. 11, 83.7.

207 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123). Chas. B. Miles. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, blk. K3. Water level, in feet below land-surface datum, 1945: Mar. 1, 55.5.

212 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123). Alfred May. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, blk. 3. Water levels, in feet below land-surface datum, 1945: Mar. 1, 70.27; Dec. 14, 74.4.

216 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123). C. C. Stewart. Formerly owned by H. H. Miller. SW. corner SE $\frac{1}{4}$ sec. 14, blk. 3, 13 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 67.91; Dec. 13, 68.64.

217 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123). W. E. Neal. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, blk. 3, 13 miles northeast of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 88.15.

219 (*845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123). J. E. Manz. NE. corner NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, blk. 3, 14 miles northeast from Hereford. No measurements made in 1945.

220 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 108; 1019, p. 123). C. T. Wimberly. SW. corner SW $\frac{1}{4}$ sec. 22, blk. 3, 11.5 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 87.8; Dec. 13, 90.2.

224 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123). A. T. Fry. No measurements made in 1945.

226 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123). J. B. Stoker. NW. corner NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, blk. K3, 9 miles northeast of Hereford. Water level, in feet below land-surface datum, 1945: Nov. 30, 52.10.

230 (*840, p. 398; 845, p. 463; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123). E. C. Reineaut. NW. corner SW $\frac{1}{4}$ sec. 6, blk. K3, 7.5 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 43.7; Nov. 30, 45.3.

234 (*840, p. 399; 845, p. 463; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123). L. A. Smith. Formerly owned by W. H. Akers. Sec. 534, excess acreage strip, 7.75 miles northeast of Hereford. No measurements made in 1945.

235 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123). Lewis A. Smith. Formerly owned by W. G. Siagle. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. K3, 7 miles northeast of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 51.86.

236 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123). Western National Bank. SW. corner SW $\frac{1}{4}$ sec. 5, blk. K3, 6.4 miles northeast of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 49.4.

237 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 123). B. A. Donelson. NW. corner NW $\frac{1}{4}$ sec. 5, blk. K3, 7 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 43.19; Nov. 30, 44.84.

241 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 124). J. K. Estes. NW. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, blk. K3, 5.5 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 48.51; Nov. 30, 49.78.

242 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 124). Travis Damron. NW. corner SW $\frac{1}{4}$ sec. 24, blk. K3, 4.5 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 49.27; Nov. 29, 50.37.

245 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 98; *989, p. 109; 1019, p. 124). E. F. Plank. Formerly owned by A. D. Smith. SW. corner NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, blk. K3, 5.5 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 46.6; Nov. 29, 52.2.

247 (*840, p. 400; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85; 947, p. 99; *989, p. 110; 1019, p. 124). R. R. Lindsey. Formerly owned by S. E. Zook. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, blk. K3, 7.5 miles northeast of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 24.54.

251 (*840, p. 400; 845, p. 464; 886, p. 678; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). R. R. Lindsey. Formerly owned by Thompson & Blakemore. NW. corner SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 47, blk. K3, 6.5 miles north of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 53.51.

258 (*840, p. 400; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). Roy Davis. SW. corner NW $\frac{1}{4}$ sec. 77, blk. K3, 3 miles north of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 57.8; Nov. 28, 62.0.

261 (*840, p. 400; 845, p. 465; 886, p. 672; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). D. L. McDonald. NW. corner NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 65, blk. K3, 4 miles north of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 56.5.

265 (*840, p. 400; 845, p. 465; 886, p. 672; 909, p. 110; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). Reinauer Bros. NW. corner SE $\frac{1}{4}$ sec. 74, blk. K3, 6 miles north of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 67.5.

272 (*840, p. 401; 845, p. 465; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; 989, p. 110; 1019, p. 124). J. L. Hoffman. SW. corner SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 86, blk. K3, 5 miles northwest of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 72.9.

281 (*845, p. 465; 886, p. 672; 909, p. 111; 939, p. 83; 947, p. 99; *989, p. 110; 1019, p. 124). Jerry Keith. Formerly owned by P. H. Filbin. NW. corner NW $\frac{1}{4}$ sec. 96, blk. K3, 5.5 miles northwest of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 69.47; Nov. 9, 74.80.

283 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). J. T. Gilbreath. North line of NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 133, blk. M7, 3 miles west of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 64.85.

288 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). John W. Kropff. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 63, blk. K3, 2.5 miles north of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 66.84.

291 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). Roy T. Slagle. Formerly owned by S. B. Walker. NW. corner NW $\frac{1}{4}$ sec. 59, blk. K3, 1 mile northeast of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 59.3.

300 (*840, p. 401; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). Ayres Estate. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 43, blk. K3, 2 miles northeast of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 50.5.

301 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 110; 1019, p. 124). C. Phillips. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 43, blk. K3, 2.6 miles northeast of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 48.8.

302 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 99; *989, p. 111; 1019, p. 124). F. G. Collier. Formerly owned by J. L. Fuqua. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 38, blk. K3, 4 miles northeast of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 51.6; Nov. 29, 52.3.

308 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 100; *989, p. 111; 1019, p. 125). Hereford State Park. No measurements made in 1945.

311 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 100; *989, p. 111; 1019, p. 125). H. H. Boardman. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 41, blk. K3, 2 miles east of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 49.79.

315 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86; 947, p. 100; *989, p. 111; 1019, p. 125). Wm. Woulff. Formerly owned by C. P. Hussey. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 67, blk. M7, 3.5 miles east of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 56.63.

322 (*840, p. 402; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). Dr. G. W. Heard. Formerly owned by Lloyd Edwards. SW. corner SE $\frac{1}{4}$ sec. 112, blk. M7, 2.5 miles south of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 75.95; Oct. 27, 82.65.

326 (*840, p. 402; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100). Frank J. Knabe. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 114, blk. M7. Measuring point is 2.5 feet above land-surface datum. Measurements resumed. Water levels, in feet below land-surface datum, 1945: Feb. 28, 96.5; Oct. 13, 97.9.

331 (*840, p. 403; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). Owen Andrews. Formerly owned by M. C. Doss. SW corner NW $\frac{1}{4}$ sec. 107, blk. M7, 4 miles south of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 78.49.

336 (*840, p. 403; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). George M. Clingan. Formerly owned by E. J. Boeskin. SW corner NE $\frac{1}{4}$ sec. 86, blk. M7, 3.5 miles south-east of Hereford. Water levels, in feet below land-surface datum, 1945: Mar. 1, 89.06; Oct. 25, 90.68.

340 (*845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). Felix Urbanczyk. No measurements made in 1945.

342 (*845, p. 467; 886, p. 673; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). Felix Urbanczyk. No measurements made in 1945.

431 (*840, p. 403; 845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). S. J. Barclay. Formerly owned by Mrs. M. Wooldridge. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 152, blk. M7, 4.5 miles southwest of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 71.4.

502 (*845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 111; 1019, p. 125). Carl H. Schroeder. Formerly owned by M. S. Tannahill. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 50, blk. K8, 8.5 miles west of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 97.65.

506 (*845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 112; 1019, p. 125). Alton Fraser. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, Gregg County School land, 9.2 miles west of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 77.1.

513 (*845, p. 468; 886, p. 673; 909, p. 112; 947, p. 100; *989, p. 112; 1019, p. 125). A. E. Acton. Formerly owned by W. L. Parrott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 174, blk. M7, 7.5 miles southwest of Hereford. Water level, in feet below land-surface datum, 1945: Mar. 1, 78.4.

514 (*845, p. 468; 886, p. 473; *989, p. 112; 1019, p. 125). B. A. Achley. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 173, blk. M7, 0.5 mile north of Summerfield. Water level, in feet below land-surface datum, 1945: Mar. 1, 106.0.

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M9-9 (*777, p. 187; 840, p. 403; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 87; 947, p. 100; *989, p. 112; 1019, p. 125). Mr. Meyers. 2.5 miles southwest of Cometa. Water level, in feet below land-surface datum, 1945: July 23, 85.55.

N7-34 (*777, p. 187; 840, p. 403; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 87; 947, p. 101; *989, p. 112; 1019, p. 126). Byrd Cattle Co. 2 miles northwest of Winter Haven. Water level, in feet below land-surface datum, 1945: July 21, 62.21.

N7-48 (*777, p. 188; 840, p. 403; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 87; 947, p. 101; *989, p. 112; 1019, p. 126). H. Hagelstein. No measurements made in 1945.

N7-78 (*777, p. 188; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 88; 947, p. 101; *989, p. 112; 1019, p. 126). C. Schmitt. 2 miles northwest of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 23, 107.40.

N7-95 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 112; 939, p. 88; 947, p. 101; *989, p. 112; 1019, p. 126). M. E. Cook. 3 miles west of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 23, 76.32.

N7-125 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126). J. Gardner. In Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 23, 69.52.

N7-135 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126). J. L. Bell. 2 miles southwest of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 24, 33.26.

N8-26 (*777, p. 190; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; *989, p. 113; 1019, p. 126). Geo. C. Riha. 4 miles southeast of Winter Haven. Water level, in feet below land-surface datum, 1945: July 22, 65.79.

N8-28 (*777, p. 190; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126). G. W. Weston. 3 miles southeast of Winter Haven. Water level, in feet below land-surface datum, 1945: July 22, 64.25.

N8-40 (*777, p. 191; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126). John Stahl. 3 miles northeast of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 24, 67.74.

N8-47 (*777, p. 191; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126). C. W. Miller. 2 miles east of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 25, 109.52.

N8-58 (*777, p. 192; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126). G. Denton Estate. 6 miles northeast of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 25, 53.34.

N8-103 (*777, p. 192; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 101; *989, p. 113; 1019, p. 126). Nueces Land & Irrigation Co. No measurements made in 1945.

N9-8 (*777, p. 193; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; *989, p. 113; 1019, p. 126). T. S. Buchanan. 1.5 miles north of Big Wells. Water level, in feet below land-surface datum, 1945: July 25, 62.28.

N9-12 (*777, p. 193; 840, p. 404; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; 947, p. 102; *989, p. 113; 1019, p. 126). Federal Land Bank. No measurements made in 1945.

N9-16 (*777, p. 193; 840, p. 404; 909, p. 113; 947, p. 102; *989, p. 113; 1019, p. 126). Boyd Bros. 1.5 miles east of Big Wells. Water level, in feet below land-surface datum, 1945: July 25, 75.73.

N9-25 (*777, p. 193; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 113; *989, p. 113; 1019, p. 127). Order of Calenthia. 4 miles south-east of Brundage. Water level, in feet below land-surface datum, 1945: July 25, 29.92.

N9-32 (*777, p. 193; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88; *989, p. 113; 1019, p. 127). P. J. Lewis. No measurements made in 1945.

N9-33 (*909, p. 114; 939, p. 88; 947, p. 102; *989, p. 113; 1019, p. 127). P. L. Lewis. 2.5 miles south of Big Wells. Water level, in feet below land-surface datum, 1945: July 25, 40.25.

07-3 (*777, p. 194; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 113; 1019, p. 127). G. W. Hatch. 9 miles northwest of Big Wells. Water level, in feet below land-surface datum, 1945: July 25, 102.29.

S1-15 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 99; *989, p. 114; 1019, p. 127). Central Securities Co. 6 miles southwest of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 24, 57.01.

S1-16 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127). C. W. Gilfillan & Son. 4.5 miles southwest of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 24, 60.92.

S1-18 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127). Central Securities Co. 3.5 miles southwest of Carrizo Springs. Water level, in feet below land-surface datum, 1945: July 24, 107.50.

S2-24 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127). L. V. Richardson. No measurements made in 1945.

S2-27 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 675; 909, p. 114; 947, p. 102; *989, p. 114; 1019, p. 127). J. A. McDonald. 3.5 miles northeast of Asherton. Water level, in feet below land-surface datum, 1945: July 24, 64.43.

S2-29 (*777, p. 196; 840, p. 405; 845, p. 469; 886, p. 675; 909, p. 114; 939, p. 88; 947, p. 102; *989, p. 114; 1019, p. 127). E. W. Tackett. No measurements made in 1945.

S2-78 (*777, p. 196; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 114; 939, p. 89; 947, p. 102; *989, p. 114; 1019, p. 127). J. W. Robinson. 2.5 miles southwest of Asherton. Water level, in feet below land-surface datum, 1945: July 24, 182.54.

S2-94 (*777, p. 197; 840, p. 405; 845, p. 470; 909, p. 114; 939, p. 89; *989, p. 114; 1019, p. 127). Catarina Farms Co. 9 miles west of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 187.26.

S2-102 (*777, p. 197; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 114; 939, p. 89; 947, p. 102; *989, p. 114; 1019, p. 127). Wm. H. McKinney. 4 miles northwest of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 112.55.

S3-10 (*777, p. 197; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 114; 939, p. 89; 947, p. 103; *989, p. 114; 1019, p. 127). Catarina Farms Co. 4.5 miles northeast of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 85.06.

S3-16 (*909, p. 114; 939, p. 89; *989, p. 114; 1019, p. 127). Catarina Farms Co. 2.5 miles west of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 145.93.

S5-3 (*777, p. 197; 840, p. 405; 845, p. 470; 909, p. 115; 939, p. 89; 947, p. 103; *989, p. 115; 1019, p. 127). Catarina Farms Co. 6 miles west of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 137.52.

S5-5 (*777, p. 198; 840, p. 405; 845, p. 470; 909, p. 115; 939, p. 89; 947, p. 103; *989, p. 115; 1019, p. 128). Dolph Briscoe. 13 miles southwest of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 75.87.

S5-10 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; *989, p. 115; 1019, p. 128). Catarina Farms Co. 5 miles southwest of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 94.84.

S6-4 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; 947, p. 103; *989, p. 115; 1019, p. 128). O. V. Ray. 1.5 miles southeast of Catarina. Water level, in feet below land-surface datum, 1945: July 24, 20.39.

T1-5 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115; 1019, p. 128). Bob Graves. 2.25 miles east of Valley Wells. Water level, in feet below land-surface datum, 1945: July 25, 15.19.

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55 (*776, p. 96; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115). L. N. Garcia. 3.7 miles west of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 48.38.

61 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115). Jose M. Sepulveda. 7 miles north-west of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 46.25.

68 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89). Cantu Estate. No measurements made in 1945.

69 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115). Juan Peralez. 9 miles west of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 75.19.

70 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115). M. Cantu. 10.4 miles west of San Diego. No measurements made in 1945.

71 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115). Helena de Pena. 11.2 miles west of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 28.60.

72 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115). Cecilio Valerio. 12 miles west of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 35.35.

73 (*776, p. 98; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 115). Severo Ranjel. 11 miles west of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 33.45.

143 (*776, p. 102; *777, p. 199; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89; *989, p. 116). Salidonia Ruiz. In Benavides. Water level, in feet below land-surface datum, 1945: Mar. 7, 33.94.

144 (*776, p. 102; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116). Pete Coronado. In Benavides. Water level, in feet below land-surface datum, 1945: Mar. 7, 35.15.

145 (*776, p. 102; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116). T. Ramirez. In Benavides. Water level, in feet below land-surface datum, 1945: Mar. 7, 36.29.

157 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116). Francisco Vaello. 2.5 miles southwest of Benavides. Water level, in feet below land-surface datum, 1945: Mar. 7, 82.52.

158 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116). Marco Gomez. 1.75 miles south-west of Benavides. Water level, in feet below land-surface datum, 1945: Mar. 7, 92.63.

173 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 90; *989, p. 116). Ismael Garcia Estate. 2.33 miles east of Benavides. Water level, in feet below land-surface datum, 1945: Mar. 7, 46.81.

175 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 116; 939, p. 90; *989, p. 116). Mrs. Tom Cavanaugh. 1 mile east of Benavides. Water level, in feet below land-surface datum, 1945: Mar. 7, 40.36.

183 (*776, p. 104; *777, p. 200; 840, p. 406; 845, p. 470; 886, p. 675; 909, p. 116; 939, p. 90; *989, p. 116). Lazaro Vela. 8 miles south of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 49.31.

184 (*776, p. 106; *777, p. 200; 840, p. 406; 845, p. 471; 886, p. 675; 909, p. 116; 939, p. 90; *989, p. 116). Eusebio Alanis. 7.5 miles southwest of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 40.79.

185 (*776, p. 106; *777, p. 200; 840, p. 406; 845, p. 471; 886, p. 675; 909, p. 116; 939, p. 90; *989, p. 116). Cervando Saenz. 10 miles south of San Diego. Water level, in feet below land-surface datum, 1945: Mar. 6, 33.68.

187 (*776, p. 106; *777, p. 200; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116). Ranchita Anjerlina. 10.5 miles south of San Diego. Measuring point, top of wooden pipe clamp, 1.5 feet above land-surface datum. Erroneously reported in previous reports as at land surface. Water level, in feet below land-surface datum, 1945: Mar. 6, 42.56.

188 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116). Encarnacion Pena. 1 mile north of San Jose. Water level, in feet below land-surface datum, 1945: Mar. 6, 74.71.

189 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116). Pedro Lopez. At San Jose. Water level, in feet below land-surface datum, 1945: Mar. 7, 60.84.

190 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116). Margarita Lopez. About 0.5 mile south of San Jose. Water level, in feet below land-surface datum, 1945: Mar. 7, 41.54.

201 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 116). Maria Villareal de Saenz. 1.25 miles north of Santa Cruz. Water level, in feet below land-surface datum, 1945: Mar. 7, 72.37.

203 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). N. E. Martinez. In Santa Cruz. Water level, in feet below land-surface datum, 1945: Mar. 7, 55.35.

204 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). Hilario Saenz. 1 mile south of Santa Cruz. Water level, in feet below land-surface datum, 1945: Mar. 7, 59.28.

207 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). Guadalupe Silva Salinas. 2 miles east of Concepcion. Water level, in feet below land-surface datum, 1945: Mar. 7, 50.36.

209 (*776, p. 106; *777, p. 201; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). W. S. Evans. In Concepcion. No measurements made in 1945.

211 (*776, p. 106; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). J. Perez. 1.33 miles north of Concepcion. No measurements made in 1945.

230 (*776, p. 108; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). San Antonio Loan & Trust Co. 3.5 miles south of Realitos. Water level, in feet below land-surface datum, 1945: Mar. 7, 59.09.

240 (*776, p. 108; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). Gus Mingos. 1.5 miles northeast of Realitos. Water level, in feet below land-surface datum, 1945: Mar. 7, 94.55.

271 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). J. Mann. 5.5 miles south-south-east of Realitos. Water level, in feet below land-surface datum, 1945: Mar. 7, 74.69.

276 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). Hermann Dammier. 10.25 miles south of Realitos. Water level, in feet below land-surface datum, 1945: Mar. 7, 38.25.

287 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). Virginia J. Ramirez. 4 miles southwest of Concepcion. Water level, in feet below land-surface datum, 1945: Mar. 7, 46.98.

289 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 90; *989, p. 117). Adolfo Garcia. 3.75 miles north-east of Sejita. Water level, in feet below land-surface datum, 1945: Mar. 7, 44.49.

290 (*776, p. 110; *777, p. 202; 840, p. 406; 845, p. 471; 909, p. 116; 939, p. 91; *989, p. 117). Andalasia Garcia. Javelina pasture, 3 miles northeast of Sejita. Water level, in feet below land-surface datum, 1945: Mar. 7, 49.33.

292 (*776, p. 110; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 91; *989, p. 117). Raphael Flores. 1 mile east of Sejita. No measurements made in 1945.

297 (*776, p. 110; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 91; *989, p. 117). San Antonio Loan & Trust Co. 6.5 miles south-southeast of Sejita. Water level, in feet below land-surface datum, 1945: Mar. 8, 53.36.

301 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 91; *989, p. 117). Virginia Garcia. 5 miles south of Concepcion. Water level, in feet below land-surface datum, 1945: Mar. 7, 56.93.

302 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 116; 939, p. 81; *989, p. 118). Rafael Garcia. 4.5 miles south of Concepcion. Water level, in feet below land-surface datum, 1945: Mar. 7, 32.98.

304 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 117; 939, p. 91; *989, p. 118). Rafael Garcia. 3 miles south of Concepcion. Water level, in feet below land-surface datum, 1945: Mar. 7, 55.74.

315 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 939, p. 91; *989, p. 118). Reuben Shultz. 6.75 miles south-southwest of Santa Cruz. Water level, in feet below land-surface datum, 1945: Mar. 8, 43.51.

319 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 939, p. 91; *989, p. 118). San Antonio Loan & Trust Co. 5.25 miles south-southeast of Santa Cruz. Water level, in feet below land-surface datum, 1945: Mar. 8, 36.18.

322 (*776, p. 112; *777, p. 203; 840, p. 406; 845, p. 471; 886, p. 676; 909, p. 117; 939, p. 91; *989, p. 118). Santona Jinojosa. About 0.75 mile east of La Copita. Water level, in feet below land-surface datum, 1945: Mar. 8, 36.80.

El Paso County

8 (*817, p. 331; 840, p. 408; 845, p. 473; *886, p. 678; 909, p. 119; 939, p. 91; 947, p. 103; *989, p. 118; 1019, p. 128). El Paso Electric Co. well 4. At Santa Fe and Fourth Streets.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 26	21.20	July 23	21.00	Sept. 27	20.60
June 25	21.00	Aug. 24	20.70		

9 (*817, p. 331; 840, p. 408; 845, p. 474; *886, p. 678; 909, p. 119; 939, p. 91; 947, p. 103; *989, p. 118; 1019, p. 128). El Paso Electric Co. well 3. At Santa Fe and Fourth Streets. Water levels, in feet below land-surface datum, 1945: June 25, 19.69; July 23, 19.43; Sept. 27, 17.28.

10 (*845, p. 474; *886, p. 678; 908, p. 119; 939, p. 92; 947, p. 103; *989, p. 118; 1019, p. 128). City of El Paso drainage well. At Fourth and Oregon Streets.

Water level, in feet below land-surface datum, 1945

Feb. 26	15.80	July 23	17.23	Sept. 27	15.79
June 25	17.61	Aug. 27	17.48		

12 (*817, p. 331; 840, p. 408; 845, p. 474; *886, p. 678; 909, p. 119; 939, p. 92; 947, p. 103; *989, p. 118; 1019, p. 128). City of Juarez well 1. In Ciudad Juarez, Chihuahua, Mexico, at Municipal Market. Water level, in feet below land-surface datum, 1945: June 25, 98.38, pumping.

13 (*817, p. 331; 840, p. 408; 845, p. 474; *886, p. 678; 909, p. 119; 939, p. 92; 947, p. 103; *989, p. 118; 1019, p. 128). City of Juarez well 2. No measurements made in 1945.

18 (*817, p. 331; 840, p. 408; 845, p. 474; *886, p. 678; 909, p. 119; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 128). City of Juarez well 3. In Ciudad Juarez, Chihuahua, Mexico, near Hipodrome. Water level, in feet below land-surface datum, 1945: June 25, 51.90, pumping.

19 (*817, p. 332; 840, p. 408; 845, p. 474; *886, p. 678; 909, p. 119; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 129). El Paso Milling Co. At Kansas and Eleventh Streets. Water level, in feet below land-surface datum, 1945: June 26, 19.02; Sept. 27, 12.63.

21 (*817, p. 332; 840, p. 409; 845, p. 474; *886, p. 678; 909, p. 119; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 129). City of El Paso well 10. At Campbell and Sixth Streets.

Water level, in feet below land-surface datum, 1945

Feb. 26	22.41	July 23	23.96	Sept. 27	22.90
June 25	23.82	Aug. 26	23.99		

28 (*817, p. 332; 840, p. 409; 845, p. 475; *886, p. 679; 909, p. 120; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 129). Acme Laundry. 905 East Missouri Street. Water level, in feet below land-surface datum, 1945: Sept. 22, 46.91.

29a (*909, p. 120; 939, p. 92; 947, p. 104; *989, p. 119; 1019, p. 129). Consumers Ice & Fuel Co. well 2. At Cotton and Dallas Streets.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	49.55	July 23	53.57	Sept. 27	51.97	Nov. 26	31.35
June 25	52.82	Aug. 27	51.48	Oct. 23	20.78		

30a (*845, p. 475; *886, p. 679; *909, p. 120; 939, p. 93; 947, p. 104; *989, p. 119; 1019, p. 129). City of El Paso well 14. At San Antonio and Walnut Streets. Pumping prior to each measurement. Water levels, in feet below land-surface datum, 1945: Feb. 26, 61.65; June 23, 64.83; July 23, 65.08; Aug. 25, 62.24.

32a (*886, p. 679; 909, p. 120; 939, p. 93; 947, p. 104; *989, p. 119; 1019, p. 129). City of El Paso well 17. At San Antonio and Tornillo Streets. Pumping prior to each measurement. Water levels, in feet below land-surface datum, 1945: Feb. 26, 68.94; June 25, 71.01; July 23, 72.82; Aug. 27, 70.37.

39 (*817, p. 333; 840, p. 409; 845, p. 475; *886, p. 680; 909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 129). Midwest Dairies, Inc. At Piedras and Oro Streets. Water level, in feet below land-surface datum, 1945: Aug. 20, 51.22.

40 (*817, p. 333; 840, p. 409; 845, p. 475; *886, p. 680; 909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 130). City of El Paso. No measurements made in 1945.

42 (*817, p. 334; 840, p. 410; 845, p. 475; *886, p. 680; 909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 130). City of El Paso well 9. At Luna and Pera Streets.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 26	a 74.90	July 23	a 76.63	Sept. 27	a 78.92
June 23	a 74.33	Aug. 25	a 79.11		

a Pumping.

44 (*817, p. 334; 840, p. 410; 845, p. 476; *886, p. 680; 909, p. 121; 939, p. 93; 947, p. 104; *989, p. 120; 1019, p. 130). Harry Mitchell Brewing Co. No measurements made in 1945.

48a (*909, p. 121; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 130). City of El Paso well 18. In Hadlock Addition.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	32.01	July 26	a 78.03	Oct. 23	26.18	Nov. 26	23.83
June 23	39.86	Aug. 25	36.55				

a Pumping.

48b (*909, p. 122; 939, p. 93; 947, p. 105; *989, p. 120; 1019, p. 130). City of El Paso test well 33. Near Franklin Canal.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	23.25	July 26	28.17	Sept. 27	26.49	Nov. 26	18.26
June 23	27.24	Aug. 25	26.38	Oct. 23	19.69		

49 (*840, p. 410; 845, p. 476; *886, p. 680; 909, p. 122; 939, p. 93; 947, p. 105; *989, p. 121; 1019, p. 130). City of El Paso well 4. In Montana well field.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 26	75.41	July 27	144.60	Sept. 29	84.01
June 23	143.85	Aug. 27	82.83		

50 (*840, p. 410; 845, p. 476; *886, p. 680; 909, p. 122; 939, p. 94; 947, p. 105; *989, p. 121; 1019, p. 130). City of El Paso well 1. In Montana well field.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 26	92.44	July 27	109.08	Sept. 29	100.93
June 23	108.25	Aug. 27	100.16		

51 (*817, p. 334; 840, p. 410; 845, p. 476; *886, p. 680; 909, p. 122; 939, p. 94; 947, p. 105; *989, p. 121; 1019, p. 130). City of El Paso well 2. In Montana well field.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 26	102.61	July 27	119.83	Sept. 29	111.53
June 23	119.25	Aug. 27	112.30		

52 (*817, p. 334; 840, p. 410; 845, p. 476; *886, p. 680; *909, p. 122; 939, p. 94; 947, p. 106; *989, p. 121; 1019, p. 131). City of El Paso well 3. In Montana well field. Water levels, in feet below land-surface datum, 1945: Feb. 26, 111.65; June 23, 151.02; July 27, 150.69; Aug. 27, 146.37.

53 (*817, p. 335; 840, p. 410; 845, p. 476; *886, p. 681; 909, p. 122; 939, p. 94; 947, p. 106; *989, p. 121; 1019, p. 131). Loretto College. At Clifton and Raynolds Streets.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 26	139.58	July 27	151.63	Oct. 23	146.98
June 23	151.51	Sept. 29	147.62	Nov. 27	133.95

55 (*817, p. 335; 840, p. 411; 845, p. 476; *886, p. 681; 909, p. 122; 939, p. 94; 947, p. 106; *989, p. 121; 1019, p. 131). The Texas Co. 0.6 mile northeast of Ascarate. Water levels, in feet below land-surface datum, 1945: Feb. 26, 47.27; June 25, 51.88; July 27, 52.67; Aug. 29, 51.12.

58 (*989, p. 121; 1019, p. 131). Pasotex Petroleum Co. well 3. No measurements made in 1945.

59 (*947, p. 106; *989, p. 122; 1019, p. 131). Phelps-Dodge Refining Corporation well 1. 933 feet east of branch of Southern Pacific Railroad and 1,463 feet north of North Loop Road. Water level, in feet below land-surface datum, 1945: June 25, 79.10.

59a (*947, p. 106; 989, p. 122; 1019, p. 131). Phelps-Dodge Refining corporation well 2. Near well 59. Water level, in feet below land-surface datum, 1945: June 26, 68.58.

64 (*817, p. 335; 840, p. 411; 845, p. 477; *886, p. 681; 909, p. 122; 939, p. 94; 947, p. 106; *989, p. 122; 1019, p. 131). City of El Paso and Geological Survey test well 1. On Carlsbad Highway.

Water level, in feet below land-surface datum, 1945

Feb. 26	265.39	July 26	266.26	Sept. 26	266.39
June 22	266.06	Aug. 29	266.34		

67b (*845, p. 477; *886, p. 681; 909, p. 123; 939, p. 94; 947, p. 106; *989, p. 122; 1019, p. 131). Texas & New Orleans Railroad Co. well 3. Near south entrance to Fort Bliss. Water levels, in feet below land-surface datum, 1945: Feb. 26, 221.50; June 26, 229.42; Aug. 30, 227.64.

72 (*817, p. 335; 840, p. 411; 845, p. 477; *886, p. 681; 909, p. 123; 939, p. 94; 947, p. 107; *989, p. 122; 1019, p. 132). United States War Department, Fort Bliss well 2. Water levels, in feet below land-surface datum, 1945: Feb. 26, 230.66; June 22, 243.58; Aug. 28, 247.23.

75b (*845, p. 477; *886, p. 681; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 122; 1019, p. 132). City of El Paso test well 10. 0.6 mile south of Wilson Road and 0.6 mile west of Airport Road.

Water level, in feet below land-surface datum, 1945

Feb. 26	214.36	July 26	216.69	Sept. 26	217.05
June 22	216.50	Aug. 29	215.92		

75d (*909, p. 123; 939, p. 95; 947, p. 107; *989, p. 122; 1019, p. 132). City of El Paso well 19. No measurements made in 1945.

76 (*817, p. 336; 840, p. 411; 845, p. 478; *886, p. 681; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 122; 1019, p. 132). City of El Paso and Geological Survey test well 2. Near southeast corner of Biggs Field.

Water level, in feet below land-surface datum, 1945

Feb. 22	245.28	July 26	247.14	Sept. 26	247.35
June 22	246.98	Aug. 29	247.08		

77 (*817, p. 336; 840, p. 411; 845, p. 478; *886, p. 681; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 123; 1019, p. 132). City of El Paso well 12. In Mesa well field.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Feb. 22	219.22	July 26	230.15	Sept. 26	229.95
June 22	229.29	Aug. 29	229.67		

77b (*845, p. 478; *886, p. 681; 909, p. 123; 939, p. 94; 947, p. 107; *989, p. 123; 1019, p. 132). City of El Paso well 15. No measurements made in 1945.

78 (*886, p. 682; 909, p. 123; 939, p. 95; 947, p. 107; *989, p. 123; 1019, p. 132). City of El Paso well 11. No measurements made in 1945.

78c (*845, p. 478; *886, p. 682; 909, p. 124; 939, p. 95; 947, p. 107; *989, p. 123; 1019, p. 132). City of El Paso test well 4. 1 mile north of city well 11.

Water level, in feet below land-surface datum, 1945

Feb. 22	195.58	July 26	196.04	Sept. 26	196.34
June 26	195.85	Aug. 28	196.19		

79 (*845, p. 478; *886, p. 682; 909, p. 124; 939, p. 95; 947, p. 107; *989, p. 123; 1019, p. 132). City of El Paso well 8. In Mesa well field. Water level, in feet below land-surface datum, 1945: Feb. 22, 209.28.

82a (*939, p. 93; 947, p. 107; *989, p. 123; 1019, p. 132). City of El Paso test well 20. 1 mile north of Mesa well field. Pumping prior to each measurement. Water levels, in feet below land-surface datum, 1945: Feb. 22, 269.32; June 22, 272.07; July 26, 272.07.

112 (*817, p. 336; 840, p. 412; 845, p. 479; *886, p. 682; 909, p. 124; 939, p. 95; 947, p. 108; *989, p. 123; 1019, p. 133). City of El Paso old Mesa well 32. In Mesa well field. Water level, in feet below land-surface datum, 1945: Feb. 22, 206.46.

128b (*939, p. 96; 947, p. 108; *989, p. 123; 1019, p. 133). City of El Paso well 21. 2 miles north of Mesa well field.

Water level, in feet below land-surface datum, 1945

Feb. 22	a 245.87	July 26	a 245.96	Sept. 26	a 245.94
June 22	a 246.18	Aug. 28	a 245.93		

a Pumping.

128c (*886, p. 682; 909, p. 124; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133). City of El Paso well 23. 2.5 miles north of Mesa well field.

Water level, in feet below land-surface datum, 1945

Feb. 22	200.24	July 26	200.71	Sept. 26	200.93
June 22	200.57	Aug. 28	200.82		

130 (*840, p. 412; 845, p. 479; 909, p. 124; *939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133). G. T. Cook. At Sunrise Acres. 2.9 miles north of Wilson Road. Water level, in feet below land-surface datum, 1945: Feb. 22, 256.36.

136 (*817, p. 339; 840, p. 412; 845, p. 479; *886, p. 682; 909, p. 124; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133). City of El Paso and Geological Survey test well 3. 6.9 miles north of Wilson Road.

Water level, in feet below land-surface datum, 1945

Feb. 22	246.69	July 26	246.88	July 26	246.94
June 22	246.82	Aug. 28	246.91		

139a (*909, p. 125; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133). City of El Paso test well 30. 12 miles north of Mesa well field. Water level, in feet below land-surface datum, 1945: June 22, 337.20.

143a (*909, p. 124; 939, p. 96; 947, p. 108; *989, p. 124; 1019, p. 133). City of El Paso test well 29. 9 miles north of Mesa well field. Water level, in feet below land-surface datum, 1945: June 22, 317.91.

160 (*947, p. 108; *989, p. 124; 1019, p. 134). Yaleta Jesuit College. No measurements made in 1945.

166 (*947, p. 109; *989, p. 124; 1019, p. 134). Civilian Conservation Corps Camp. No measurements made in 1945.

Floyd County

5 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 124; 1019, p. 134). M. C. Scheele. SW corner SE $\frac{1}{4}$ sec. 127, blk. D2, 11 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 55.65.

14 (*840, p. 413; 845, p. 480; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 124; 1019, p. 134). Herman R. King. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. C9, 10 miles north of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 59.77.

32 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Frank Whitfill. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, blk. C9, 9 miles north of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 91.80.

57 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). T. L. Wilhite. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 87, blk. D2, 7.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 64.2.

106 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Texas Land & Development Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 65, blk. D2, 6 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 63.32.

108 (*845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Texas Land & Development Co. NW corner SE $\frac{1}{4}$ sec. 65, blk. D2, 6.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 61.60.

111 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Texas Land & Development Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 65, blk. D2, 6.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 57.10.

112 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Texas Land & Development Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, blk. D5, 7 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 56.30.

120 (*845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Francis Carthel. NW corner NW $\frac{1}{4}$ sec. 1, blk. D5, 4.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 15, 63.43.

124 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Rosa Lee Carthel. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 50, blk. D2, 3.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: 47.3.

139 (*840, p. 414; 845, p. 481; 947, p. 110; *989, p. 125; 1019, p. 134). Texas Land & Development Co. SE corner SE $\frac{1}{4}$ sec. 2, blk. D5, 3 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 15, 68.2.

140 (*845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 110; *989, p. 125; 1019, p. 134). Wayne Holt. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, blk. D5, 3.5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 15, 60.54.

143 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 125; 1019, p. 134). Plainview-Lockney Farms. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, blk. D5, 5 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 67.0.

150 (*840, p. 414; 845, p. 481; 886, p. 684; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 125; 1019, p. 135). Mollie S. Gholson. NW corner NW $\frac{1}{4}$ sec. 14, blk. D5, 7 miles northwest of Lockney. Water level, in feet below land-surface datum, 1945: 49.1.

153 (*840, p. 415; 845, p. 481; 886, p. 684; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 125; 1019, p. 135). E. C. Morrow. SW corner NW $\frac{1}{4}$ sec. 15, blk. D5, 6.5 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 13, 57.6.

157 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 126; 939, p. 97; 947, p. 111; *989, p. 126; 1019, p. 135). Texas Land & Development Co. NW corner NW $\frac{1}{4}$ sec. 10, blk. D5, 6 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 12, 59.0.

161 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 97; 947, p. 111; *989, p. 126; 1019, p. 135). Texas Land & Development Co. SW corner NE $\frac{1}{4}$ sec. 10, blk. D5, 5.5 miles west of Lockney, 0.5 mile northwest of Aiken. Water level, in feet below land-surface datum, 1945: Feb. 12, 63.0.

326 (*947, p. 111; *989, p. 126; 1019, p. 135). W. C. Sims. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 68, blk. 1, 2 miles east of Floydada. Water level, in feet below land-surface datum, 1945: Feb. 15, 147.7.

409 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 97; 947, p. 111; *989, p. 126; 1019, p. 135). Texas Land & Development Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, blk. N, 5 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 57.3.

410 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135). W. C. McGrede. SW corner W $\frac{1}{2}$ sec. 44, blk. D6, 5.5 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 53.4.

414 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135). Mrs. Harriet B. Robbins. NW corner SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. D6, 4.5 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 68.8.

416 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135). John Spears. NW corner NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 46, blk. D6, 4.5 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 68.25.

421 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135). J. R. Belt. Formerly owned by W. W. Cooper. NW corner NW $\frac{1}{4}$ sec. 48, blk. D6, 3.5 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 67.70.

428 (*845, p. 483; 886, p. 684; 909, p. 127; 939, p. 98; 947, p. 111; *989, p. 126; 1019, p. 135). Texas Land & Development Co. NW corner F. Griggs Survey, 3.5 miles southwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 54.54.

435 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 126; 1019, p. 135). Home Owners' Loan Corporation. Center of L. C. Reed survey, at crossing of Burlington & Santa Fe Railways, in southwest part of Lockney. Pumping; no measurements made in 1945.

436 (*840, p. 416; 845, p. 483; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 126; 1019, p. 135). Owner unknown. On south side of U. S. Highway 70, 400 feet southeast of railroad depot in Lockney. Water level, in feet below land-surface datum, 1945: Feb. 15, 53.0.

437' (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 135). Lockney Oil Mill Co. On north side of Panhandle & Santa Fe Railway. Water level, in feet below land-surface datum, 1945: Feb. 15, 55.9.

439 (*845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 135). O. J. Schacht. NW corner W. F. Smith survey 3 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, dry at 57.5 feet.

441 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136). Federal Land Bank. NW corner NW $\frac{1}{4}$ sec. 50, blk. D3, 2 miles northeast of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 65.02.

442 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136). Solon Clements. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 51, blk. D3, 2 miles east of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 34.5.

446 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136). W. J. King. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 68, blk. G, 2.5 miles southeast of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 42.9.

459 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 128; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136). Texas Land & Development Co. SW corner M. Y. Price survey, 5.5 miles southwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 51.4.

463 (*840, p. 417; 909, p. 128; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136). Texas Land & Development Co. NW corner NW $\frac{1}{4}$ sec. 14, blk. N, 6 miles west of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 53.0.

467 (*840, p. 417; 845, p. 484; 886, p. 685; 909, p. 128; 939, p. 98; 947, p. 112; *989, p. 127; 1019, p. 136). C. J. Barnard. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, blk. N, 8 miles southwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 42.0.

472 (*845, p. 484; 886, p. 685; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136). Texas Land & Development Co. NW corner J. K. Andrews survey, 5.5 miles southwest of Lockney. Water levels, in feet below land-surface datum, 1945: Feb. 14, 50.8; Oct. 13, 54.0.

486 (*840, p. 417; 845, p. 484; 886, p. 685; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136). Mrs. M. E. Morris. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 53, blk. G, 5.5 miles southeast of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 15, 32.45.

509 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136). S. H. Boon. North end of C. H. Johnson survey, 8.5 miles south of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, dry at 45 feet.

510 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 127; 1019, p. 136). W. R. Crow. North end of J. R. Powell survey, 8 miles southwest of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 46.5.

519 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 112; *989, p. 128; 1019, p. 136). J. L. Faulkner. NE corner SW $\frac{1}{4}$ sec. 44, blk. G, 7.5 miles west of Floydada. Water level, in feet below land-surface datum, 1945: Feb. 14, 52.9.

523 (*909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 136). C. F. Harris. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 41, blk. G, 7.5 miles northwest of Floydada. Water level, in feet below land-surface datum, 1945: Feb. 14, 60.33.

525 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 136). W. Fry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 52, blk. G, 5.5 miles south of Lockney. Water level, in feet below land-surface datum, 1945: Feb. 14, 38.8.

528 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 136). Mrs. Maude Hollums. SW. corner SW $\frac{1}{4}$ sec. 82, blk. G, 5 miles northwest of Floydada. No measurements made in 1945.

529 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 947, p. 113; *989, p. 128; 1019, p. 136). Panhandle & Santa Fe Railway Co. SW. corner SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 63, blk. 1, 2 miles northwest of Floydada. Water level, in feet below land-surface datum, 1945: Feb. 15, 109.5.

533 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137). Martin heirs. In Floydada, at West Kentucky and Fourth Streets. Water level, in feet below land-surface datum, 1945: Feb. 15, 112.5.

562 (*840, p. 418; 886, p. 686; 909, p. 128; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137). H. W. Carver. NW $\frac{1}{4}$ J. A. Huckabee survey, 7 miles south of Floydada. Water level, in feet below land-surface datum, 1945: Feb. 15, 133.2.

603 (*840, p. 418; 845, p. 485; 886, p. 686; 909, p. 129; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137). Gladys Fox. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 86, blk. 1, 5.5 miles east of Floydada. Water level, in feet below land-surface datum, 1945: Feb. 15, 175.15.

605 (*840, p. 419; 886, p. 686; 909, p. 129; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137). W. B. Jones. No measurements made in 1945.

Fort Bend County

7 (*889-C, p. 253; *909, p. 129; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137). Owner's well 1. C. C. Cardiff. 4 miles southwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 60.45; Nov. 1, 65.53.

11 (*889-C, p. 253; *909, p. 129; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137). Owner's well 3. P. V. Cook. 1.75 miles southwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 54.67; Nov. 1, 59.97.

15 (*889-C, p. 254; *909, p. 130; 939, p. 99; 947, p. 113; *989, p. 128; 1019, p. 137). Owner's well 1. P. V. Cook. 3.25 miles southwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 10, 64.90; Nov. 1, 65.64.

17 (*889-C, p. 254; *989, p. 129; 1019, p. 137). Mrs. H. L. Gordon. 5 miles south of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 54.03; Nov. 1, 60.72.

20 (*889-C, p. 254; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137). L. Pauli. 5.75 miles southeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 39.25; Nov. 1, 44.93.

21 (*889-C, p. 254; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137). L. Pauli. 6 miles south of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 44.82; Nov. 1, 49.90.

26 (*889-C, p. 254; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137). Owner's well 1. C. Pillot. 10 miles southeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 28.08; Nov. 1, 34.92.

29 (*889-C, p. 255; *989, p. 129; 1019, p. 137). Owner's well 2. C. Pillot. 9 miles southeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 30.95; Nov. 1, 32.02.

30 (*889-C, p. 255; *989, p. 129; 1019, p. 137). Owner's well 2. B. Ray Woods. 6.5 miles southwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 65.45; Nov. 5, 66.48.

33 (*889-C, p. 255; *909, p. 130; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137). Earl McMillian. 3.5 miles southwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 62.86; Nov. 1, 64.57.

75 (*889-C, p. 257; *909, p. 131; 939, p. 100; 947, p. 114; *989, p. 129; 1019, p. 137). Gulf Pipe Line Co. 10 miles southeast of Sugarland. Water levels, in feet below land-surface datum, 1945: Jan. 26, 64.34; Mar. 21, 64.53; June 27, 66.92.

76 (*889-C, p. 257; *909, p. 131; 939, p. 100; 947, p. 114; *989, p. 130; 1019, p. 137). Owner unknown. About 0.5 mile west of Blue Ridge State Prison. Water levels, in feet below land-surface datum, 1945: Jan. 26, 36.52; Mar. 21, 36.63; June 27, 40.66.

Gaines County

(No measurements made in 1945).

Galveston County

3 (*777, p. 204; 840, p. 420; 886, p. 688; 909, p. 132; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 137). Mrs. A. Voss. 5.75 miles west of League City. Water level, in feet below land-surface datum, 1945: May 15, 30.61.

16 (*886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138). Cecil Brown. No measurements made in 1945.

28 (*777, p. 204; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138). Galveston, Houston & Henderson Railroad. In League City. Water level, in feet below land-surface datum, 1945: May 15, 77.44.

42 (*886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138). J. Freund. In Kemah. Water level, in feet below land-surface datum, 1945: May 15, 55.5.

112 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138). Galveston, Houston & Henderson Railroad. 6.5 miles northeast of Alta Loma. Water level, in feet below land-surface datum, 1945: May 10, 81.62.

113 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138). E. Menotti. 7 miles northeast of Alta Loma. Water level, in feet below land-surface datum, 1945: May 10, 44.6.

115 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138). J. W. Palmer. 6 miles northeast of Alta Loma. Water level, in feet below land-surface datum, 1945: May 10, 60.6.

142 (*886, p. 689; 909, p. 133; 939, p. 101; 947, p. 114; *989, p. 130; 1019, p. 138). Maco Stewart. No measurements made in 1945.

244 (*886, p. 689; 909, p. 134; 939, p. 101; 947, p. 115; *989, p. 130; 1019, p. 138). Stone Oil Co. In Texas City. Water level, in feet below land-surface datum, 1945: May 9, 159.4.

295 (*886, p. 689; 909, p. 134; 939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 138). Atchison, Topeka & Santa Fe Railway Co. No measurements made in 1945.

381 (*886, p. 689; 909, p. 134; 939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 138). Stewart Production Co. 3 miles southeast of Hitchcock. Water level, in feet below land-surface datum, 1945: May 11, 77.0.

688 (*939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 138). City of Galveston test well 1. No measurements made in 1945.

689 (*939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 138). City of Galveston test well 2. No measurements made in 1945.

691 (*939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 139). City of Galveston test well 3-A. No measurements made in 1945.

692 (*939, p. 101; 947, p. 115; *989, p. 131; 1019, p. 139). Carbide & Carbon Chemical Co. 3 miles southwest of Texas City. Water levels, in feet below land-surface datum, 1945: Mar. 19, 105.45; Mar. 22, 108.5; May 10, 104.16.

Guadalupe County

316 (*840, p. 422; 845, p. 489; 886, p. 690; 909, p. 135; 939, p. 102; 947, p. 115; *989, p. 131; 1019, p. 139). Joe Gleitz. 400 feet north of U. S. Highway 81, 0.1 mile east of Guadalupe-Bexar County line. Water level, in feet below land-surface datum, 1945: May 23, 102.25.

Hale County

11 (*840, p. 422; 845, p. 490; 886, p. 690; 909, p. 136; 939, p. 102; 947, p. 115; *989, p. 131; 1019, p. 139). S. C. Hutchinson. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. S1, 16 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 40.0.

15 (*939, p. 102; 947, p. 115; *989, p. 131; 1019, p. 139). S. C. Hutchinson. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, blk. S1, 15 miles northwest of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 59.35.

16a (*947, p. 115; *989, p. 131; 1019, p. 139). L. W. Guthrie. No measurements made in 1945.

17a (*947, p. 116; *989, p. 131; 1019, p. 139). L. W. Guthrie. No measurements made in 1945.

36 (*840, p. 423; 845, p. 490; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 131; 1019, p. 139). G. D. Lewellen. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, blk. 06, 12.5 miles northwest of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 78.4.

103 (*840, p. 423; 845, p. 480; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 139). Carl Meyer. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, blk. C4, 16 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 46.90.

105 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140). Texas Land & Development Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, blk. S1, 14 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 50.8.

115 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140). H. L. Gunter. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, blk. JK, 13.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 59.60.

123 (*840, p. 424; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140). L. C. Wayland. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, blk. JK, 11 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 64.80.

124b (*947, p. 116; *989, p. 132; 1019, p. 140). Lester James. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, blk. JK4, 9.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 72.92.

125 (*840, p. 424; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140). E. E. Clark. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, blk. JK 4, 10 miles northwest of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 22, 83.1.

202 (*840, p. 424; 845, p. 491; 886, p. 691; 909, p. 136; 939, p. 102; 947, p. 116; *989, p. 132; 1019, p. 140). Texas Land & Development Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, blk. C3, 17 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 67.2.

206 (*840, p. 424; 845, p. 491; 886, p. 691; 909, p. 136; 939, p. 103; 947, p. 116; *989, p. 132; 1019, p. 140). Texas Land & Development Co. Just east of Richard William survey, 18 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 72.5.

208 (*845, p. 491; 886, p. 691; 909, p. 136; 939, p. 103; 947, p. 116; *989, p. 132). Texas Land & Development Co. SW $\frac{1}{4}$ J. P. Lattimore survey, 17.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 67.55.

210 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 136; 939, p. 103; 947, p. 116; *989, p. 132; 1019, p. 140). Texas Land & Development Co. NW $\frac{1}{4}$ D. R. McVicker survey, 18.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 67.6.

212 (*845, p. 491; 886, p. 692; 909, p. 136; 939, p. 103; 947, p. 117; *989, p. 132; 1019, p. 140). Texas Land & Development Co. West center of D. R. McVicker strip, west of sec. 55, blk. M14, 18 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 64.82.

220 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 132; 1019, p. 140). Texas Land & Development Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, blk. JK3, 15.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 57.4.

223 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140). Texas Land & Development Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, blk. JK3, 15.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 54.4.

232 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140). Dick Carter. Formerly owned by M. Hutchinson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, blk. JK3. Water level, in feet below land-surface datum, 1945: Feb. 24, 50.45.

238 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140). Dr. McKinley Howell. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, blk. JK3, 13.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 50.17.

246 (*840, p. 425; 845, p. 492; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140). Owner unknown. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, blk. JK2, 12 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 21, 53.25.

255 (*840, p. 426; 845, p. 492; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140). J. H. Slaton. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, blk. JK2, 10 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 21.58.

256 (*840, p. 426; 886, p. 692; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 140). R. M. Malone. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, blk. JK2, 9 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 42.0.

259 (*840, p. 426; 845, p. 492; 886, p. 693; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 141). C. J. Ebeling. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, blk. JK2, 9 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 23.00.

263 (*840, p. 426; 845, p. 492; 886, p. 693; 909, p. 137; 939, p. 103; 947, p. 117; *989, p. 133; 1019, p. 141). Federal Land Bank. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, blk. JK3, 15 miles northeast of Hale Center. No measurements made in 1945.

305 (*845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 117; *989, p. 133; 1019, p. 141). Texas Land & Development Co. On strip land, 0.55 mile east of SW. corner sec. 54, blk. M14, 18.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 69.65.

307 (*845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 117; *989, p. 133; 1019, p. 141). Texas Land & Development Co. On strip land, 0.3 mile east of SW. corner sec. 53, blk. M14, 19 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 66.2.

314a (*947, p. 117; *989, p. 133; 1019, p. 141). Willard White. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, blk. JK3, 17 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 52.0.

316 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). Texas Land & Development Co. NW $\frac{1}{4}$ S. D. Lemaster survey, 17.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 52.0.

317 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). Texas Land & Development Co. NE $\frac{1}{4}$ J. F. Owens survey, 18.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 54.0.

330 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). George White. NE $\frac{1}{4}$ J. M. Martin survey, 16.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 48.91.

338 (*840, p. 427; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). Dr. J. H. Stewart. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 110, blk. D2, 20 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 12, 49.86.

357 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). G. D. Lewellen. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, blk. D6, 14.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 12, 40.85.

370 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). D. A. Reading. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. D4, 14.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 21, 46.55.

402 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). N. R. Johnson. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 40, blk. JK2, 11 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 21, 24.6.

422 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). Mrs. J. B. Long. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, blk. D5, 16 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 44.5.

427 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). C. M. Smith. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, blk. D5, 17.5 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 50.95.

428 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104; 947, p. 118; *989, p. 134; 1019, p. 141). C. M. Smith. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, blk. D5, 17 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 50.04.

433a (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 118; *989, p. 134; 1019, p. 142). Lizzie B. Morris. SW corner of west 186 acres in sec. 37, blk. D6, 15 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 23.27.

435 (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 118; *989, p. 135; 1019, p. 142). Texas Land & Development Co. SW corner NE $\frac{1}{4}$ sec. 35, blk. D6, 14 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 52.20.

436 (*840, p. 429; 845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 118; *989, p. 135; 1019, p. 142). Texas Land & Development Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, blk. D6, 13.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 55.85.

449 (*840, p. 430; 845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). W. S. Messick. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. D7, 8 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 61.7.

454 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). B. F. Smith. NW corner NE $\frac{1}{4}$ sec. 21, blk. N. Water level, in feet below land-surface datum, 1945: Feb. 13, 57.42.

459 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 139; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). Texas Land & Development Co. No measurements made in 1945.

462 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). R. E. Keniston. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, blk. N, 16 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 44.9.

463 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). R. E. Keniston. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, blk. N, 16 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 38.88.

467 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). M. E. Courtney. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, blk. N, 13.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 37.55.

470 (*840, p. 431; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). M. H. Neer. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, blk. E7, 11 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 31.2.

477 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). C. J. Jagelky. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, blk. D7, 8 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 37.20.

508 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). Mrs. J. H. Slaton. SW corner sec. 8, blk. JK2, 7.5 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 49.97.

510 (*840, p. 431; 845, p. 497; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 135; 1019, p. 142). R. E. Walker. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, blk. JK2, 9 miles north of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 38.30.

511 (*840, p. 431; 845, p. 497; 886, p. 696; 909, p. 140; 939, p. 105; 947, p. 119; *989, p. 136; 1019, p. 142). Dr. J. Anderson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, blk. JK2, 10 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 23, 23.19.

539 (*845, p. 497; 886, p. 696; 909, p. 140; 939, p. 106; 947, p. 119; *989, p. 136; 1019, p. 142). Ferd Rasetter. SE corner sec. 29, blk. A1. Water level, in feet below land-surface datum, 1945: Feb. 24, 58.7.

547 (*840, p. 432; 845, p. 497; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 119; *989, p. 136; 1019, p. 143). O. C. McClain. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 40, blk. A1, 7 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 55.35.

552 (*840, p. 432; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143). H. S. Dunaway. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, blk. A1, 4 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 59.58.

553 (*840, p. 432; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143). Texas Land & Development Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, blk. A1, 4.5 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 54.9.

564 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143). T. F. Mounts. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, blk. A1, 2 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 16, 57.85.

567 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143). J. B. Maxey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, blk. A1, 1.25 miles northeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 54.0.

569 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143). O. C. Sanders. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, blk. A1, 1 mile southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 55.05.

719a (*845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143). W. Bogart. No measurements made in 1945.

719b (*886, p. 697; 909, p. 141; 939, p. 106; 947, p. 120; *989, p. 136; 1019, p. 143). W. Bogart. No measurements made in 1945.

720b (*845, p. 499; 886, p. 698; 939, p. 106; *989, p. 137; 1019, p. 143). P. R. Caraway. No measurements made in 1945.

736b (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 106; 947, p. 120; *989, p. 137; 1019, p. 143). Ross Title Insurance Co. NW $\frac{1}{4}$ tract 12, blk. X, 2 miles north, thence 6.5 miles west of Abernathy, and 16 miles southwest of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 24.5.

816 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 120; *989, p. 137; 1019, p. 143). A. M. Eason. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, blk. R, 9.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 53.94.

825 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 120; *989, p. 137; 1019, p. 143). Matilda Akesson. No measurements made in 1945.

828 (*886, p. 698; 909, p. 142; 939, p. 107; 947, p. 120; *989, p. 137; 1019, p. 143). G. W. Bigler. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, blk. A4, 5 miles south of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 71.75.

834 (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 143). M. E. Kesler. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 64, blk. A4, 8.5 miles south of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 76.2.

837 (*845, p. 500; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 143). F. L. Hunsickar. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 54, blk. A4, 8 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 16, 61.65.

840 (*845, p. 500; 886, p. 698; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144). Debb McLaughlin. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, blk. R, 12 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 16, 58.85.

848 (*886, p. 698; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144). Mrs. J. E. Cheney. No measurements made in 1945.

852 (*845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144). Abernathy Cemetery. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, blk. X, 15 miles south of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 24, 115.65.

859 (*886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144). L. Ragland. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, blk. C1, 15.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 16, 73.62.

906 (*840, p. 434; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 137; 1019, p. 144). Floyd Reagan. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 59, blk. R, 14 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 39.1.

923 (*840, p. 434; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144). D. C. Bayley. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, blk. R, 14 miles east of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 48.67.

936 (*840, p. 435; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144). B. E. Porter. NW $\frac{1}{4}$ NW $\frac{1}{4}$ C. K. Andrews survey, east of sec. 38, blk. R, 14 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 46.18.

946 (*886, p. 699; 909, p. 143; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144). B. E. Porter. SE $\frac{1}{4}$ SE $\frac{1}{4}$ C. K. Andrews survey, east of sec. 38, blk. R, 14.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 13, 60.04.

956 (*845, p. 500; 886, p. 699; 906, p. 143; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144). J. W. Heard. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, blk. R, 11.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 16, 64.05.

958 (*840, p. 435; 845, p. 500; 886, p. 699; 909, p. 143; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144). Luther Bain. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, blk. R, 12 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 16, 56.15.

971 (*886, p. 699; 909, p. 143; 939, p. 107; 947, p. 121; *989, p. 138; 1019, p. 144). L. S. Claitor. NW. corner NW $\frac{1}{4}$ sec. 15, blk. CL, 17.5 miles southeast of Hale Center. Water level, in feet below land-surface datum, 1945: Feb. 16, 58.7.

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6a (*777, p. 206; 840, p. 437; 886, p. 700; 909, p. 144; 939, p. 108; 947, p. 122; *989, p. 138; 1019, p. 144). H. C. Burton. At east edge of Waller. Water levels, in feet below land-surface datum, 1945: Jan. 25, 5.30; Mar. 15, 5.09; June 26, 7.06.

11 (*777, p. 206; 840, p. 437; 845, p. 501; 886, p. 700; *889-C, p. 175; 909, p. 144; 947, p. 122; *989, p. 138; 1019, p. 144). J. A. Hafner. 2.25 miles southeast of Waller. Water levels, in feet below land-surface datum, 1945: Jan. 25, 43.13; Mar. 15, 43.41; June 26, 46.52.

12 (*889-C, p. 175; 909, p. 144; 947, p. 122; *989, p. 138; 1019, p. 144). J. A. Hafner. 2 miles northwest of Hockley. Measurements discontinued after Mar. 15. Water levels, in feet below land-surface datum, 1945: Jan. 25, 44.29; Mar. 15, 44.27.

14 (*886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 108; 947, p. 122; *989, p. 138; 1019, p. 144). J. A. Hafner. 1.75 miles east of Waller. Water levels, in feet below land-surface datum, 1945: Jan. 25, 52.76; June 26, 63.03.

31 (*777, p. 206; 840, p. 437; 845, p. 501; 886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 108; 947, p. 122; *989, p. 138; 1019, p. 145). R. L. Burton. 4 miles southeast of Waller. Water levels, in feet below land-surface datum, 1945: Jan. 25, 42.73; Nov. 15, 41.59; June 26, 66.25.

33 (*886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 109; 947, p. 122; *989, p. 139; 1019, p. 145). W. G. Neeley. In Hockley. Water levels, in feet below land-surface datum, 1945: Jan. 25, 17.37; Mar. 15, 29.66; June 26, 34.18.

35 (*777, p. 207; 840, p. 437; 845, p. 501; 886, p. 701; *889-C, p. 175; 909, p. 144; 939, p. 109; 947, p. 122; *989, p. 139; 1019, p. 145). Dr. A. N. Boyd. Formerly owned by J. T. Morris. 6.25 miles southeast of Waller. Water levels, in feet below land-surface datum, 1945: Jan. 25, 16.15; Mar. 15, 14.93; June 26, 17.83.

40 (*889-C, p. 175; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145). Ira Southard. Near Hockley. Water levels, in feet below land-surface datum, 1945: Mar. 16, 43.10; Oct. 26, 52.23.

95 (*777, p. 207; 840, p. 437; 886, p. 701; *889-C, p. 178; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145). H. C. Middlestead. 1.75 miles southeast of Spring. Water levels, in feet below land-surface datum, 1945: Jan. 24, 11.17; Mar. 23, 11.53; June 14, 13.47.

104 (*886, p. 102; *889-C, p. 178; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145). George Glameyer. 4.5 miles south of Spring. Water levels, in feet below land-surface datum, 1945: Mar. 23, 7.96; June 14, 8.42.

134 (*886, p. 702; *889-C, p. 178; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145). Owner's well 1. Ira Southard. 9 miles southwest of Cypress. Water levels, in feet below land-surface datum, 1945: Mar. 19, 52.10; Oct. 26, 55.22.

136 (*886, p. 702; *889-C, p. 179; 909, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 145). Owner's well 1. J. Freeman. 9 miles southwest of Cypress. Water levels, in feet below land-surface datum, 1945: Mar. 17, 53.52; Oct. 26, 56.98.

139 (*889-C, p. 179; *1019, p. 145). Owner's well 1. Oscar Kemp. 7.5 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 48.55; Oct. 26, 54.58.

140 (*886, p. 702; *889-C, p. 179; 908, p. 145; 939, p. 109; 947, p. 123; *989, p. 139; 1019, p. 146). Owner's well 2. Oscar Kemp. 7.5 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 47.94; Oct. 26, 54.42.

166 (*777, p. 207; 840, p. 437; 886, p. 702; *889-C, p. 181; 909, p. 145; 947, p. 123; *989, p. 139; 1019, p. 146). E. C. Smith. 1.75 miles northwest of Cypress. Water levels, in feet below land-surface datum, 1945: Jan. 25, 1.36; Mar. 15, 2.02; June 26, 2.59.

167 (*777, p. 208; 840, p. 437; 845, p. 202; 886, p. 702; *889-C, p. 181; 909, p. 146; 947, pp. 123-4; *989, p. 139; 1019, p. 146). E. C. Smith. 1.75 miles northwest of Cypress. Water level, in feet below land-surface datum, 1945: June 26, 13.55.

169a.160 (*886, p. 703; *889-C, p. 181; 909, p. 146; 939, p. 109; 947, p. 124; *989, p. 139; 1019, p. 146). Ben Pugh. 2.75 miles northwest of Cypress. Water levels, in feet below land-surface datum, 1945: Mar. 16, 8.15; Oct. 26, 17.93.

171 (*777, p. 208; 840, p. 437; 845, p. 602; 886, p. 703; *889-C, p. 181; 909, p. 146; 947, p. 124; *989, p. 139; 1019, p. 146). E. H. Juergen. In Cypress. Water levels, in feet below land-surface datum, 1945: Jan. 25, 7.57; Mar. 16, 7.19; June 26, 6.36.

178 (*777, p. 208; 840, p. 437; 886, p. 709; *889-C, p. 181; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 139; 1019, p. 146). K. P. Black. 5 miles southeast of Cypress. Water levels, in feet below land-surface datum, 1945: Jan. 25, 1.60; Mar. 15, 3.05; June 26, 5.83.

182 (*886, p. 703; *889-C, p. 181; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 139; 1019, p. 146). Joel Schmidt. 4.5 miles south of Cypress. Water levels, in feet below land-surface datum, 1945: Mar. 17, 26.25; Oct. 26, 31.98.

186 (*886, p. 703; *889-C, p. 181; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 139; 1019, p. 146). Owner's well 3. T. B. Tucker. 6 miles southwest of Cypress. Water levels, in feet below land-surface datum, 1945: Mar. 17, 28.52; Oct. 26, 35.74.

205 (*777, p. 209; 840, p. 437; 845, p. 502; 886, p. 703; *889-C, p. 182; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 139; 1019, p. 146). Humble Pipe Line Co. well 2. No measurements made in 1945.

206 (*777, p. 209; 840, p. 438; 845, p. 502; 886, p. 703; *889-C, p. 182; 909, p. 146; 939, p. 110; 947, p. 124; *989, p. 141; 1019, p. 146). R. B. Tucker. At Satsuma. Water levels, in feet below land-surface datum, 1945: Jan. 25, 25.51; Mar. 15, 24.51; June 26, 32.48.

210 (*777, p. 209; 840, p. 438; 886, p. 703; *889-C, p. 182; 909, p. 147; 939, p. 110; 947, p. 124; *989, p. 141; 1019, p. 146). M. Milton. 7.25 miles southeast of Cypress. Water levels, in feet below land-surface datum, 1945: Jan. 25, 16.99; Mar. 15, 16.00; June 26, 22.54.

221 (*886, p. 703; *889-C, p. 183; 909, p. 147; 939, p. 110; 947, p. 124; *989, p. 141; 1019, p. 147). S. Terpstra. 10.75 miles east of Cypress. Water levels, in feet below land-surface datum, 1945: Jan. 24, 28.32; Mar. 26, 29.46; June 15, 31.89.

225 (*886, p. 704; *889-C, p. 183; 909, p. 147; 939, p. 110; 947, p. 125; *989, p. 141; 1019, p. 147). Trinity & Brazos Valley Railroad Co. 11.5 miles southeast of Cypress. Water levels, in feet below land-surface datum, 1945: Jan. 24, 22.19; Mar. 26, 30.92; June 15, 41.00.

226 (*889-C, p. 183; *989, p. 141; 1019, p. 147). W. A. Fraser. 3 miles east of Satsuma. Water levels, in feet below land-surface datum, 1945: Jan. 25, 24.02; Mar. 15, 27.22.

255 (*886, p. 704; *889-C, p. 184; 909, p. 147; 939, p. 110; 947, p. 125; *989, p. 141; 1019, p. 147). J. M. Blake. 2.5 miles northwest of Aldine. Water levels, in feet below land-surface datum, 1945: Jan. 23, 10.54; Mar. 23, 10.12; June 14, 10.61.

264 (*777, p. 210; 840, p. 438; 845, p. 502; 886, p. 704; *889-C, p. 185; 909, p. 147; 939, p. 110; 947, p. 125; *989, p. 141; 1019, p. 147). H. Weary. 3 miles north of Aldine. Water levels, in feet below land-surface datum, 1945: Jan. 23, 38.10; Mar. 23, 38.58; June 14, 39.96.

268 (*889-C, p. 185; *947, p. 125; *989, p. 141; 1019, p. 147). City of Houston test well 10-a. In Westfield. Water levels, in feet with reference to land-surface datum, 1945: Jan. 23, +10.6; Mar. 23, -4.50; June 14, -15.81; July 6, -18.88.

269 (*889-C, p. 185; *1019, p. 147). City of Houston test well 7. In Westfield. Water levels, in feet above land-surface datum, 1945: Jan. 23, 17.8; Mar. 23, 16.4; July 6, 16.2.

280 (*889-C, p. 185; *989, p. 141; 1019, p. 148). Pan-American Pipe Line Co. 9 miles southeast of Humble. Water levels, in feet below land-surface datum, 1945: Jan. 23, 56.82; Mar. 17, 56.74; June 22, 57.05; Dec. 19, 58.25.

286 (*339-C, p. 185; *989, p. 142; 1019, p. 148). Jack Frazier Drilling Co. 10 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 57.93; Mar. 23, 58.51; June 15, 58.88.

287 (*889-C, p. 185; *989, p. 142; 1019, p. 148). Jack Frazier Drilling Co. 10 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 73.17; Mar. 23, 73.51; June 15, 74.79.

290 (*889-C, p. 186; *989, p. 142; 1019, p. 148). J. C. Townes. 5 miles southeast of Humble. Water levels, in feet below land-surface datum, 1945: Jan. 23, 41.71; Mar. 23, 42.13; July 6, 44.55.

291 (*889-C, p. 186; *989, p. 142; 1019, p. 148). A. T. McDannald. 4.5 miles south of Humble. Water levels, in feet below land-surface datum, 1945: Jan. 23, 39.28; Mar. 23, 39.42; July 6, 39.87.

302 (*886, p. 704; *889-C, p. 187; 909, p. 147; 939, p. 111; *989, p. 142; 1019, p. 148). Rebel Oil Co. 2.5 miles southeast of Humble. Water levels, in feet below land-surface datum, 1945: Jan. 23, 43.68; Mar. 23, 44.77; June 15, 46.33.

331 (*889-C, p. 188; *1019, p. 148). Known as "Black Cat" oil test. 8.25 miles east of Humble. Water level, in feet below land-surface datum, 1945: July 6, 3.16.

352 (*386, p. 704; *889-C, p. 189; 908, p. 147; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 148). A. E. Thompson. 5.75 miles north of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 56.28; Nov. 6, 60.53.

357 (*886, p. 705; *889-C, p. 189; 909, p. 147; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149). Owner's well 2. P. V. Cook. 4.5 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 54.26; Nov. 5, 59.70.

362 (*886, p. 704; *889-C, p. 189; 909, p. 147; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149). Owner's well 2. E. G. Stockdick. 4 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 45.88; Nov. 5, 53.48.

367 (*886, p. 705; *889-C, p. 190; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149). W. C. Hickman. 3.25 miles east of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 45.37; Oct. 26, 51.96.

370 (*886, p. 705; *889-C, p. 190; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149). J. M. Johnson. No measurements made in 1945.

371 (*889-C, p. 190; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 142; 1019, p. 149). L. E. Morrison. 3.5 miles southeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 43.97; Nov. 1, 50.58.

380 (*889-C, p. 191; *989, p. 142; 1019, p. 149). W. H. Hegar. 8 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Nov. 17, 27.40; Oct. 26, 30.05.

381 (*386, p. 705; *889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 125; *989, p. 143; 1019, p. 149). W. H. Hegar. 7.5 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 30.35; Oct. 26, 33.10.

382 (#886, p. 705; #889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 125; #989, p. 143; 1019, p. 149). W. C. Stockdick. 6 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 42.02; Nov. 5, 50.18.

384 (#886, p. 705; #889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 125; #989, p. 143; 1019, p. 149). A. J. Jordens. 6 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 42.43; Nov. 5, 53.23.

385 (#886, p. 705; #889-C, p. 191; 909, p. 148; 939, p. 111; 947, p. 126; #989, p. 143; 1019, p. 149). A. J. Jordens. 6 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 41.57; Nov. 5, 47.24.

399 (#886, p. 706; 909, p. 148; 939, p. 111; 947, p. 126; #989, p. 143; 1019, p. 149). Gertie Rice Farm. 9.5 miles northeast of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 30.82; Nov. 26, 34.96.

456 (#889-C, p. 194; #909, p. 148; 939, p. 111; 947, p. 126; #989, p. 143; 1019, p. 149). Frank Willberg. On Hempstead road, 0.5 mile south-east of Fairbanks. Water levels, in feet below land-surface datum, 1945: Jan. 25, 46.32; Mar. 21, 47.46; June 26, 46.96.

473 (#889-C, p. 195; #947, p. 126-7; #989, p. 143; 1019, p. 149). H. W. Rasmussen. 8.5 miles west of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 26, 47.32; Mar. 22, 48.13; June 27, 49.36; Nov. 19, 53.90.

480 (#889-C, p. 195; #989, p. 143; 1019, p. 150). John Pillot. 19 miles west of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Mar. 16, 31.80; Nov. 1, 39.23.

489 (#889-C, p. 196; #947, p. 127; #989, p. 143; 1019, p. 150). City of Houston test well 4a. 2 miles west of Alief. Water levels, in feet below land-surface datum, 1945: Jan. 26, 35.18; Mar. 16, 34.37; June 27, 36.57; Nov. 1, 40.66.

490 (#889-C, p. 196; #947, p. 127; #989, p. 144; 1019, p. 150). City of Houston test well 5. In Alief.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Jan. 26	53.71	June 27	55.39	Nov. 1	60.80
Mar. 16	53.71	July 13	56.04		

496 (#889-C, p. 196; #947, p. 127; #989, p. 144; 1019, p. 150). Diamond "I" Ranch. 13 miles southwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 26, 37.98; Mar. 21, 38.13; June 27, 44.37.

498 (#889-C, p. 197; #947, p. 127; #989, p. 144; 1019, p. 150). Brae Burn Country Club. 11 miles southwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 26, 48.54; Mar. 22, 48.73; July 13, 51.74; Oct. 31, 54.52.

512 (#777, p. 210; 840, p. 438; 845, p. 502; 886, p. 706; #889-C, p. 197; 909, p. 148; 939, p. 112; 947, p. 128; #989, p. 144; 1019, p. 150). Joe Kowis. Formerly owned by Ed Nichols. 8.5 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 25, 4.69; Mar. 21, 6.50.

519 (#886, p. 706; #889-C, p. 197; 909, p. 148; 939, p. 112; 947, p. 128; #989, p. 144; 1019, p. 150). Felix Meyers. 6.75 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 25, 6.78; Mar. 21, 5.91; June 26, 8.81.

538 (*889-C, p. 198; *989, p. 144; 1019, p. 150). The Bayou Club. 6 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 25, 68.69; Mar. 21, 68.58; June 30, 72.61.

591 (*889-C, p. 201; *1019, p. 150). City of Houston well. Heights 3. 4 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 25, 123.41; Mar. 22, 126.74; June 20, 143.08; Nov. 14, 149.39.

602 (*777, p. 211; 840, p. 438; 845, p. 502; 886, p. 706; *889-C, p. 202; 909, p. 148; 939, p. 112; 947, p. 128; *989, p. 144; 1019, p. 150). River Oaks Country Club well 1. 4 miles west of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 18, 91.71; Mar. 22, 91.30; June 30, 97.98.

604 (*886, p. 703; *889-C, p. 202; 909, p. 148; 939, p. 112; 947, p. 128; *989, p. 144; 1019, p. 151). Horlock Ice Co. 2.2 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 18, 85.56; Mar. 22, 84.47.

607 (*889-C, p. 202; *989, p. 145; 1019, p. 151). Henke & Pillot. 2 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 18, 92.16; Mar. 22, 92.48; June 20, 98.91; Nov. 7, 99.44.

608 (*886, p. 707; *889-C, p. 202; 909, p. 149; 939, p. 112; 947, p. 128; *989, p. 145; 1019, p. 151). Fidelity Products Co. 2 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 18, 94.74; Mar. 22, 95.20; June 20, 101.85; Nov. 7, 102.27.

609 (*996, p. 707; *889-C, p. 202; 909, p. 149; 939, p. 112; 947, p. 128; *989, p. 145; 1019, p. 151). Fidelity Products Co. 2 miles northwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 18, 115.85; Mar. 22, 117.08; June 20, 119.66; Nov. 7, 126.35.

619 (*777, p. 212; 840, p. 438; 845, p. 503; 886, p. 707; *889-C, p. 203; 909, p. 149; 939, p. 112; 947, p. 128; *989, p. 145; 1019, p. 151). City of Houston. 1 mile west of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 18, 119.43; Mar. 20, 120.42; June 20, 121.63; Nov. 7, 129.60.

651a.649 (*886, p. 708; *889-C, p. 206; 909, p. 149; 939, p. 113; 947, p. 128-9; *989, p. 145; 1019, p. 151). L. P. Mallett. 9 miles north of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 27, 70.42; Mar. 21, 71.00; June 14, 72.82.

651b.232 (*886, p. 708; *889-C, p. 183; 909, p. 149; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 151). L. P. Mallett. 9 miles north of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 27, 7.02; Mar. 27, 10.24; June 14, 8.94.

651c.648 (*886, p. 708; *889-C, p. 206; 909, p. 149; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 151). Albert Kraeger. 9 miles north of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 27, 61.99; Mar. 27, 62.36; June 14, 63.70.

651d.650 (*886, p. 708; *889-C, p. 206; 909, p. 149; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 151). Joe Morales. 8 miles north of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 27, 80.33; Mar. 27, 80.78; June 14, 83.29.

656 (*777, p. 212; 840, p. 438; 845, p. 503; 886, p. 708; *889-C, p. 206; 909, p. 150; 939, p. 113; 947, p. 129; *989, p. 145; 1019, p. 152). Texas Crecosoting Co. 4.5 miles north of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 113.72; Mar. 17, 114.28; June 18, 121.13.

662 (*886, p. 709; *889-C, p. 207; 909, p. 150; 939, p. 113; 947, p. 129; *989, p. 146; 1019, p. 152). South Texas Cotton Oil Co. well 2. 2.5 miles northeast of Houston courthouse. Water level, in feet below land-surface datum, 1945: June 18, 126.14.

663 (*886, p. 709; *889-C, p. 207; 909, p. 150; 939, p. 113; 947, p. 129; *989, p. 146; 1019, p. 152). South Texas Cotton Oil Co. well 1. 2.5 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 85.63; Mar. 17, 85.96; June 18, 87.91.

666a.623 (*886, p. 709; *889-C, p. 203; 909, p. 150; 939, p. 113; 947, p. 129-50; *989, p. 146; 1019, p. 152). Houston Foundry & Machine Co. At White and Weber Streets, Houston. Water levels, in feet below land-surface datum, 1945: Jan. 18, 104.46; Mar. 20, 104.12; June 20, 108.95; Nov. 14, 112.05.

711 (*889-C, p. 209; *947, p. 130; *989, p. 146; 1019, p. 152). San Jacinto Hotel. At 820 Main Street, Houston. Water levels, in feet below land-surface datum, 1945: Jan. 17, 150.15; Mar. 16, 150.73; June 18, 160.33; Dec. 18, 153.32.

748 (*839-C, p. 212; *909, p. 151; 939, p. 114; 947, p. 130; *989, p. 146; 1019, p. 152). Gulf Pipe Line Co. 5 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 113.33; Mar. 17, 113.18; June 18, 120.47; Nov. 14, 124.55.

751 (*886, p. 710; *889-C, p. 212; 909, p. 151; 939, p. 114; 947, p. 130; *989, p. 146; 1019, p. 152). The Texas Pipe Line Co. 5 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 121.29; Mar. 20, 121.07; June 18, 127.56; Nov. 14, 130.64.

757 (*777, p. 213; 840, p. 439; 945, p. 503; *889-C, p. 212; 909, p. 151; 939, p. 114; 947, p. 130; *989, p. 146; 1019, p. 152). Layne-Bowler Co. 4 miles east of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 133.00; Mar. 20, 132.85; June 18, 140.54; Dec. 19, 139.03.

759 (*777, p. 213; 840, p. 439; 845, p. 503; 886, p. 711; *889-C, p. 212; 909, p. 151; 939, p. 114; 947, p. 130; *989, p. 147; 1019, p. 152). Port City Compress & Warehouse Co. 4.75 miles east of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 143.29; Mar. 20, 142.70; June 18, 148.12; Nov. 14, 148.97.

783 (*777, p. 213; 840, p. 439; 845, p. 503; 886, p. 711; *889-C, p. 215; 909, p. 151; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 152). Houston Riding & Polo Club. 6 miles west of Houston courthouse.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Jan. 18	68.17	June 26	71.14	Nov. 16	75.40
Mar. 29	68.14	July 13	72.44		

727 (*886, p. 711; *889-C, p. 215; 909, p. 151; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 153). American Service Co. well 1. At 1623 Westheimer Street, Houston. Water levels, in feet below land-surface datum, 1945: Jan. 18, 81.00; Mar. 22, 95.70; June 27, 97.86; Nov. 7, 103.47.

787a.779 (*886, p. 711; *889-C, p. 214; 909, p. 152; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 153). American Service Co. well 2. At 1623 Westheimer Street, Houston. Water level, in feet below land-surface datum, 1945: Jan. 18, 97.84.

790 (*886, p. 712; *889-C, p. 215; 909, p. 152; 939, p. 114; 947, p. 131; *989, p. 147; 1019, p. 153). Southern United Ice Co. No measurements made in 1945.

798a.778 (*886, p. 712; *889-C, p. 214; 909, p. 152; 939, p. 115; 947, p. 131; *989, p. 147; 1019, p. 153). H. C. Weiss. At South Main and Sunset Streets, Houston. Water levels, in feet below land-surface datum, 1945: Jan. 18, 97.86; Mar. 22, 98.78.

809 (*886, p. 713; *889-C, p. 216; 909, p. 152; 939, p. 115; 947, p. 131; *989, p. 147; 1019, p. 153). Gem Electric & Ice Co. In Bellaire.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Jan. 18	87.22	June 30	91.34	Nov. 16	95.77
Mar. 22	86.57	July 13	98.52		

812 (*989, p. 147; 1019, p. 153). Harris County School for Girls. 7.75 miles southwest of Houston courthouse.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Jan. 26	60.60	June 30	63.27	Nov. 19	67.33
Mar. 22	60.59	July 13	64.08		

853 (*886, p. 713; *889-C, p. 217; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 147; 1019, p. 153). Houston Ice & Cold Storage Co. At 2715 McKinney Street, Houston. Water levels, in feet below land-surface datum, 1945: Jan. 17, 126.92; Mar. 16, 128.04; June 18, 113.14; Dec. 18, 131.32.

854 (*886, p. 714; *889-C, p. 218; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 153). Houston Ice & Cold Storage Co. At 2715 McKinney Street, Houston. Water level, in feet below land-surface datum, 1945: Dec. 18, 138.32.

863 (*886, p. 714; *889-C, p. 129; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 153). Hughes Tool Co. well 1. 3 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 17, 79.11; Mar. 16, 79.46. Measurements discontinued after Mar. 16.

876 (*886, p. 714; *889-C, p. 220; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 153). Houston Country Club. 3.75 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 17, 125.91; Mar. 16, 124.76; June 18, 130.47; Nov. 13, 129.45.

878 (*886, p. 714; *889-C, p. 220; 909, p. 153; 939, p. 115; 947, p. 132; *989, p. 148; 1019, p. 154). Gulf Atlantic Warehouse Co. At Anderson-Clayton turning basin, Houston. Water levels, in feet below land-surface datum, 1945: Jan. 17, 135.78; Mar. 16, 135.79; June 18, 143.24.

879 (*889-C, p. 220). City of Houston well Magnolia Park 2. At 7300 Canal Street, Houston. Unused drilled public-supply well, diameter 24 to 12 inches, screens between 475 and 1,025 feet. Measuring point, top of casing, 1.0 foot above land-surface.

Water level, in feet below land-surface datum, 1925, 1938-42, 1945

Date	Water level	Date	Water level	Date	Water level
June 5, 1925	41.0	May 5, 1939	96.78	Mar. 4, 1941	90.10
Nov. 15, 1938	85.73	July 27	107.54	May 21	92.56
Dec. 15	86.02	Aug. 22	108.05	Sept. 10	96.27
Jan. 16	81.14	Feb. 27, 1940	88.41	Mar. 5, 1942	91.65
Feb. 24	81.49	May 9	99.54	June 18, 1945	145.06
Mar. 21	82.37	Aug. 22	102.69	Dec. 18	141.38

881 (*886, p. 715; *889-C, p. 220; 909, p. 153; 939, p. 116; 947, p. 132; *989, p. 148; 1019, p. 154). Terminal Compress & Warehouse Co. At 82d and Harrisburg Streets, Houston. Water levels, in feet below land-surface datum, 1945: Jan. 19, 145.97; Mar. 16, 142.97; June 18, 147.41; Nov. 13, 144.85.

883 (*886, p. 715; *889-C, p. 220; 909, p. 153; 939, p. 116; 947, p. 132; *989, p. 148; 1019, p. 154). Tennessee Coal & Iron Railroad Co. well 1. U. S. Steel Co. 6.5 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 164.95; Mar. 20, 163.87; June 25, 177.32; Dec. 19, 161.22.

890 (*886, p. 715; *889-C, p. 221; 909, p. 153; 939, p. 116; 947, p. 132; *989, p. 148; 1019, p. 154). Texas Chemical Co. well 2. 6 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 19, 140.72; June 18, 154.05. Measurements discontinued after June 18.

898a.913 (*886, p. 718; *889-C, p. 222; 909, p. 154; 939, p. 116; 947, p. 133; *989, p. 148; 1019, p. 154). Allen Estate. At Park Place and Popular Streets, Houston.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level
Jan. 19	128.54	June 19	131.84	Dec. 18	131.28
Mar. 19	128.30	Nov. 2	132.95		

909 (*889-C, p. 222; *947, p. 133; *989, p. 148; 1019, p. 154). J. W. Madden. 9 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 26, 45.12; Mar. 21, 45.69; June 29, 48.62; Dec. 18, 49.33.

933 (*889-C, p. 223; *947, p. 133; *989, p. 149; 1019, p. 154). Champion Paper & Fibre Co. test well. 9 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 97.55; Mar. 17, 97.88; June 22, 101.70.

934 (*389-C, p. 223; *947, p. 133; *989, p. 149; 1019, p. 154). Champion Paper & Fibre Co. test well. 9 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 66.75; Mar. 17, 67.67; June 22, 68.52.

936 (*889-C, p. 223; *989, p. 149; 1019, p. 154). The Texas Co. well 2. At Camp Beaty. 9 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 115.13; Mar. 20, 115.21; June 22, 118.71; Dec. 19, 119.68.

939 (*889-C, p. 223; *989, p. 149; 1019, p. 154). San Jacinto Ordnance Depot construction well 2. 14 miles east of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 123.31; Mar. 20, 124.11; June 22, 124.09; Dec. 19, 122.94.

940 (*889-C, p. 224; *989, p. 149; 1019, p. 155). San Jacinto Ordnance Depot construction well 1. 14.5 miles east of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 118.45; Mar. 20, 118.94; June 22, 119.14; Dec. 19, 117.22.

943 (*889-C, p. 224; *989, p. 149; 1019, p. 155). Gulf Pipe Line Co. At Lynchburg pump station. Water levels, in feet below land-surface datum, 1945: Mar. 19, 87.28; June 22, 88.92; Dec. 19, 87.08.

947 (*389-C, p. 224; *989, p. 149; 1019, p. 155). Leon J. Vetrano. 11 miles northwest of Goose Creek. Water levels, in feet below land-surface datum, 1945: Jan. 22, 76.16; Mar. 17, 76.89; Dec. 19, 78.51.

1019 (*886, p. 716; *889-C, p. 227; 909, p. 154; 939, p. 116; 947, p. 134; *989, p. 149; 1019, p. 155). Captain Chas. Crotty. At Morgans Point. Water levels, in feet below land-surface datum, 1945: Jan. 19, 89.45; Mar. 19, 87.83; June 19, 90.10.

1101a.1100 (*886, p. 716; *889-C, p. 230; 909, p. 154; 939, p. 116; 947, p. 134; *989, p. 150; 1019, p. 155). M. M. Graves Estate. 8.5 miles west of Goose Creek. Water levels, in feet below land-surface datum, 1945: Jan. 19, 128.00; Mar. 19, 128.20; June 19, 129.38; Nov. 13, 128.39.

1104 (*889-C, p. 230; *909, p. 154; 939, p. 116; 947, p. 134; *989, p. 150; 1019, p. 155). City of La Porte well 1. At La Porte water plant. Water levels, in feet below land-surface datum, 1945: Jan. 19, 107.06; June 19, 108.88; Nov. 13, 107.88.

1117 (*889-C, p. 231; *1019, p. 155). Humble Oil & Refining Co. 17 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 19, 95.70; Mar. 19, 95.82; June 19, 98.48; Dec. 18, 95.98.

1121 (*889-C, p. 231; *989, p. 150; 1019, p. 155). W. H. Clark. On Spencer Highway, 17 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 19, 107.26; Mar. 19, 107.81.

1152a.1150 (*836, p. 717; *889-C, p. 235; 909, p. 154; 939, p. 116; 947, p. 134; *989, p. 150; 1019, p. 156). City of Galena Park well 1. In Galena Park. Water levels, in feet below land-surface datum, 1945: Jan. 22, 177.28; Mar. 20, 175.06; June 25, 177.98.

1154 (*886, p. 717; *889-C, p. 235; 909, p. 155; 939, p. 117; 947, p. 134; *989, p. 150; 1019, p. 156). Universal Water Co. In Galena Park. Water levels, in feet below land-surface datum, 1945: Jan. 22, 98.55; Mar. 20, 99.70. Measurements discontinued after Mar. 20.

1161 (*886, p. 717; *889-C, p. 236; 909, p. 155; 939, p. 117; 947, p. 134; *989, p. 150; 1019, p. 156). Sinclair Refining Co. well 6. 3 miles north of South Houston.

Highest daily water level, in feet below land-surface datum, 1945
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	178.6	175.0	179.4	180.6	.....	.....	186.4	.....	177.5	183.7
2	.....	178.0	175.2	179.1	180.7	.....	.....	.....	.....	176.8	184.1
3	.....	177.7	175.2	178.8	180.5	.....	.....	186.4	.....	176.3	183.7
4	.....	177.4	175.3	178.5	180.3	172.0	188.4	185.8	.....	176.2	184.0
5	.....	177.5	175.1	178.5	180.3	172.4	188.1	185.9	.....	176.4	184.0
6	.....	177.1	175.2	179.7	180.4	172.2	188.0	186.0	178.8	177.2	184.0
7	.....	176.6	175.5	180.7	180.6	172.5	188.4	186.2	177.7	177.9	182.7
8	.....	175.9	175.5	181.7	180.2	172.8	188.4	186.4	176.8	178.3	183.5
9	.....	175.5	175.6	181.5	179.9	172.6	188.6	186.2	177.3	177.7	183.4
10	.....	175.4	175.7	180.7	179.8	173.0	188.8	186.0	177.3	178.8	183.3
11	.....	175.4	175.8	180.5	179.7	173.6	189.1	185.9	176.1	179.1	183.4
12	.....	175.2	176.0	179.8	179.7	174.1	189.3	185.9	177.0	179.4	183.6
13	.....	176.3	176.5	178.9	179.8	175.0	188.8	185.9	177.0	179.9	183.3
14	.....	176.1	176.9	178.3	179.6	175.2	189.0	185.9	177.0	180.5	182.5
15	.....	174.7	176.9	178.2	179.6	175.0	189.6	185.7	176.9	180.3	180.9
16	.....	174.5	176.9	178.6	179.4	174.8	189.1	185.7	177.4	180.4	180.6
17	.....	174.3	177.3	178.4	179.5	174.7	186.8	185.6	177.4	180.8	180.6
18	.....	173.9	177.5	178.2	179.5	174.6	186.5	185.7	177.3	180.9	181.1
19	178.0	173.7	177.1	178.1	179.4	174.3	186.9	185.9	176.6	180.9	181.5
20	177.9	173.5	177.2	178.0	179.4	173.4	186.9	186.0	176.0	181.0	181.3
21	177.8	173.4	177.3	178.1	179.4	173.4	187.5	185.2	175.5	181.0	181.3
22	178.3	174.0	176.9	178.9	.....	172.6	187.8	184.2	175.3	182.4	181.6
23	178.7	175.0	175.8	179.3	.....	172.3	188.0	.....	175.6	181.8	181.6
24	179.1	174.6	174.6	178.9	.....	172.8	188.2	.....	175.6	183.2	181.5
25	179.1	174.3	174.5	178.6	.....	173.0	188.6	.....	175.5	183.7	180.1
26	178.9	174.3	174.3	178.6	.....	173.5	188.8	.....	175.3	183.8	178.9
27	178.8	174.6	175.9	178.7	.....	.....	187.9	.....	175.5	183.0	178.4
28	.....	174.8	176.8	179.6	.....	.....	186.8	.....	175.8	183.2	178.6
29	179.2	.....	178.0	180.5	.....	.....	186.8	.....	176.4	183.4	178.1
30	179.1	.....	179.2	180.7	.....	.....	186.6	.....	177.2	183.5	178.0
31	179.4	.....	179.6	.....	.....	.....	186.4	.....	177.6	.....	177.9

1170 (*836, p. 718; *889-C, p. 237; 909, p. 155; *989, p. 151; 1019, p. 156). Houston Lighting & Power Co. Deep-water plant, 4.25 miles north of South Houston. Measurements by owner.

1170--Continued.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	176	Apr. 2	179	Aug. 1	189	Oct. 16	174
20	173	May 3	177	16	187	Nov. 16	180
Feb. 1	173	19	178	Sept. 16	136	Dec. 3	181
Mar. 2	174	June 15	179	Oct. 2	182	18	178
16	175	July 16	183				

1176 (*886, p. 718; *889-C, p. 237; 909, p. 155; 939, p. 117; 947, p. 135; *989, p. 151; 1019, p. 157). The Texas Co. well 4. At refinery near Galena Park. Water levels, in feet below land-surface datum, 1945: Jan. 22, 98.39; June 25, 98.69. Measurements discontinued after June 25,

1182 (*886, p. 719; *889-C, p. 237; 909, p. 156; 939, p. 117; 947, p. 135; *989, p. 151; 1019, p. 157). Port Terminal Railroad Co. At Pasadena, near southeast corner of Crown refinery. Water levels, in feet below land-surface datum, 1945: Mar. 16, 202.30; June 19, 198.92; Nov. 13, 199.80.

1187 (*886, p. 719; *889-C, p. 238; 909, p. 156; 939, p. 117; 1019, p. 157). City of Pasadena well 1. No measurements made in 1945.

1205 (*889-C, p. 239; 909, p. 156; 939, p. 117; 947, p. 135; *989, p. 151; 1019, p. 157). City of South Houston well 1. South well of 4 at city water works in South Houston. Water levels, in feet below land-surface datum, 1945: Jan. 19, 120.68; Mar. 19, 120.08; June 19, 119.34; Dec. 18, 117.05.

1209 (*777, p. 214; 840, p. 439; 845, p. 503; *889-C, p. 239; 909, p. 156; 939, p. 117; 947, p. 135; *989, p. 151; 1019, p. 157). Texas Fireworks Distributing Co. At South Houston. Water levels, in feet below land-surface datum, 1945: Jan. 19, 67.71; Mar. 19, 68.19; June 19, 69.24; Dec. 18, 66.09.

1229 (*889-C, p. 239; *947, p. 135-6; *989, p. 152; 1019, p. 157). City of Houston test well 8. On Spencer Highway, 3 miles east of South Houston. Water levels, in feet below land-surface datum, 1945: Jan. 19, 133.41; Mar. 19, 136.28; June 19, 137.13; Nov. 13, 141.20.

1230 (*889-C, p. 239; *947, p. 136; *989, p. 152; 1019, p. 157). City of Houston test well 9. On Spencer Highway, 3 miles east of South Houston. Water levels, in feet below land-surface datum, 1945: Jan. 19, 146.15; Mar. 19, 146.42; June 19, 150.04; Nov. 13, 152.07.

1234 (*889-C, p. 240; *947, p. 136; *989, p. 152; 1019, p. 157). City of South Houston well 3. At South Houston water works. Water levels, in feet below land-surface datum, 1945: Mar. 19, 91.20; Dec. 18, 105.90.

1266 (*889-C, p. 242; *989, p. 152; 1019, p. 157). City of South Side Place well 2. At South Side Place waterworks. Water level, in feet below land-surface datum, 1945: Jan. 18, 103.

1267 (*889-C, p. 242; *989, p. 152; 1019, p. 157). City of South Side Place well 3. At South Side Place waterworks. Water levels, in feet below land-surface datum, 1945: Jan. 18, 72.68; July 13, 85.90.

1302 (*777, p. 214; 840, p. 439; 845, p. 504; *889-C, p. 245; 947, p. 136; *989, p. 152; 1019, p. 157). City of Genoa. In Genoa. Water levels, in feet below land-surface datum, 1945: Jan. 26, 121.09; Mar. 19, 121.26; June 19, 124.23; Dec. 18, 125.88.

1360 (*777, p. 214; 840, p. 439; 845, p. 504; *889-C, p. 247; 947, p. 137; *989, p. 153; 1019, p. 158). S. Siabara. About 0.25 mile east of Webster. Water levels, in feet below land-surface datum, 1945: Jan. 26, 82.18; Mar. 19, 82.58; June 19, 85.74; Dec. 18, 84.70.

1369 (*889-C, p. 247; *1019, p. 158). City of South Houston well 2. At South Houston water works. Water levels, in feet below land-surface datum, 1945: Jan. 19, 143.36; Mar. 19, 143.50; June 19, 147.74; Dec. 18, 147.53.

1374 (*889-C, p. 248; *989, p. 153; 1019, p. 158). Harris County Fresh Water District No. 5 well 1. 9 miles east of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 22, 153.37; Mar. 19, 155.38.

1398 (*889-C, p. 250; *989, p. 153; 1019, p. 158). Mission Manufacturing Co. well 2. On U. S. Highway 59, 3.25 miles northeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 23, 105.27; Mar. 17, 105.67; June 22, 113.61.

1414 (*889-C, p. 252; *989, p. 153; 1019, p. 158). Harris County Water Control & Improvement District No. 3, well 2. At 816 Rosslyn Street in Garden Oaks subdivision. Water levels, in feet below land-surface datum, 1945: Jan. 25, 98.81; Mar. 21, 100.83; June 20, 106.62.

1417 (*1019, p. 158). Houston Lighting & Power Co. well 1. About 200 yards northwest of power plant, 9 miles southwest of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 26, 74.09; Mar. 21, 75.40; June 27, 78.37.

1418 (*1019, p. 158). W. B. Nelson. On Hall road, 13 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 26, 113.74; Mar. 21, 113.94; June 29, 120.51.

1419 (*1019, p. 158). W. B. Nelson. About 200 feet west of well 1418, on Hall road, 13 miles southeast of Houston courthouse. Water levels, in feet below land-surface datum, 1945: Jan. 25, 8.54; Mar. 21, 7.98; June 29, 10.83.

1420 (*1019, p. 158). City of Galena Park well 2. At Galena Park waterworks. Water levels, in feet below land-surface datum, 1945: Jan. 22, 176.80; Mar. 20, 174.60; June 25, 177.54.

1500 (*1019, p. 159). Texas-Gulf Production Co. 8 miles west of Humble. Water levels, in feet below land-surface datum, 1945: Jan. 23, 38.03; Mar. 23, 38.65; June 14, 40.17.

1501 (*1019, p. 159). A. T. McDannald. 4.75 miles south of Humble. Water levels, in feet below land-surface datum, 1945: Jan. 23, 30.66; Mar. 23, 30.38; June 15, 30.15.

1502 (*1019, p. 159). Jack Frazier Drilling Co. No measurements made in 1945.

1503 (*1019, p. 159). R. R. Michel test hole O-1. 1.5 miles southwest of Tom Ball. Water levels, in feet below land-surface datum, 1945: Jan. 24, 27.11; Mar. 26, 26.57; June 15, 26.70.

1504 (*1019, p. 159). Bogs Estate test hole N-1. 1 mile north of Huffsmith. Water levels, in feet below land-surface datum, 1945: Jan. 24, 20.77; Mar. 26, 20.08; June 15, 19.38.

1505 (*1019, p. 160). Wm. Tautenhahn test hole U-1. 0.25 mile north of Westfield. Water levels, in feet below land-surface datum, 1945: Jan. 23, 11.67; Mar. 23, 11.21; June 14, 11.33.

1506 (*1019, p. 160). Sinclair-Prairie Oil Co. 3.5 miles northeast of Fairbanks. Water levels, in feet below land-surface datum, 1945: Jan. 24, 46.09; Mar. 26, 46.26; June 15, 48.29.

1507 (*1019, p. 160). Stanolind Oil & Gas Co. 3.75 miles northeast of Fairbanks. Water levels, in feet below land-surface datum, 1945: Jan. 24, 47.49; June 15, 48.48.

Hays County

106 (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 160). Henry Armbruster. 1.25 miles northwest of Buda. Water level, in feet below land-surface datum, 1945: May 22, 114.14.

110 (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 160). M. O. Rogers. 7 miles west of Buda. Water level, in feet below land-surface datum, 1945: May 22, 50.6.

113 (*989, p. 153; 1019, p. 160). Otto Schwartz. 3.25 miles west of Buda. Water level, in feet below land-surface datum, 1945: May 22, 246.41.

126 (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 160). F. W. Zimmerman. 9.75 miles west of Buda. Water level, in feet below land-surface datum, 1945: May 22, 90.8.

234a (*909, p. 157; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 161). N. E. Hughes. 0.25 mile northwest of Wimberley. Water level, in feet below land-surface datum, 1945: May 24, 14.09.

349 (*909, p. 158; 939, p. 118; 947, p. 137; *989, p. 153; 1019, p. 161). E. Brooks. 1.75 miles northwest of San Marcos. Water level, in feet below land-surface datum, 1945: May 22, 159.38.

504 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161). Glynn C. Key. On U. S. Highway 290, 2.3 miles west of Hays-Travis county line. Water level, in feet below land-surface datum, 1945: May 24, 34.93.

505 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161). Glynn C. Key. 2 feet north of well 504. Water level, in feet below land-surface datum, 1945: May 24, 51.08.

506 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118; 947, p. 137; 989, p. 154; 1019, p. 161). John L. Tinney. 0.7 mile east of Dripping Springs. Water level, in feet below land-surface datum, 1945: May 24, 6.53.

507 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161). John L. Tinney. 0.7 mile east of Dripping Springs. Water level, in feet below land-surface datum, 1945: May 24, 56.28.

524 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 118; 947, p. 137; *989, p. 154; 1019, p. 161). H. W. Hageman. 1.8 miles north of San Marcos. Water level, in feet below land-surface datum, 1945: May 22, 30.02.

528 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161). F. N. Whaley. 4.75 miles north of San Marcos. Water level, in feet below land-surface datum, 1945: May 22, 93.0.

529 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161). Nicholas Thiele. At south edge of Kyle. Water level, in feet below land-surface datum, 1945: May 22, 136.18.

532 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161). John Butler. No measurements made in 1945.

534 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161). J. J. Horton. In Buda. Water level, in feet below land-surface datum, 1945: May 22, 87.6.

535 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161). Thomas Yoe. On U. S. Highway 81, 0.2 mile south of Hays-Travis county line.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	24.7	May 28	24.4	Sept. 3	25.5	Nov. 4	25.7
Mar. 30	24.5	July 29	25.2	30	25.7	Dec. 5	25.7
May 2	24.1						

543 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 154; 1019, p. 161). W. P. Donaldson. 2.6 miles southwest of San Marcos. Water level, in feet below land-surface datum, 1945: May 22, 65.5.

553 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 161). G. M. Jackson. 3 miles southwest of San Marcos. Water level, in feet below land-surface datum, 1945: May 22, 114.8.

585 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162). R. F. Clayton. 4.1 miles south of Wimberley. Water level, in feet below land-surface datum, 1945: May 24, 57.2.

586 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162). W. A. Leath. No measurements made in 1945.

590 (*840, p. 441; 845, p. 506; 886, p. 722; 909, p. 160; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162). Fred Boyett. 4.1 miles southwest of Wimberley. Water level, in feet below land-surface datum, 1945: May 24, 57.6.

591 (*840, p. 441; 845, p. 506; 886, p. 722; 909, p. 160; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162). Fred Boyett. 100 feet south of well 590. Water level, in feet below land-surface datum, 1945: May 24, 10.1.

614 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 119; 947, p. 138; *989, p. 155; 1019, p. 162). J. D. McCall. 6.8 miles south of Dripping Springs. Water level, in feet below land-surface datum, 1945: May 24, 23.7.

615 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162). Wiley Roberts. 4.6 miles south of Dripping Springs. Water level, in feet below land-surface datum, 1945: May 24, 84.82.

629 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162). J. N. Byler. 6.55 miles north of Wimberley. Water level, in feet below land-surface datum, 1945: May 24, 212.6.

677a (*845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162). T. E. Hughes. At northwest edge of Wimberley. Water level, in feet below land-surface datum, 1945: May 24, 26.7.

677 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162). J. E. Bryant. 6.5 miles north of Wimberley. Water level, in feet below land-surface datum, 1945: May 24, 88.2.

678 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 161; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162). J. E. Bryant. 0.1 mile south of well 677. Water level, in feet below land-surface datum, 1945: May 24, 273.89.

706 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 161; 939, p. 120; 947, p. 138; *989, p. 155; 1019, p. 162). Jim Roberts. 0.9 mile north of Wimberley. Water level, in feet below land-surface datum, 1945: May 24, 61.1.

Hockley County

5 (*840, p. 444; 845, p. 509; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 162). Santa Fe Railway Co. in Smyer. Water level, in feet below land-surface datum, 1945: Mar. 5, 85.9.

7 (*840, p. 445; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 137; *989, p. 156; 1019, p. 162). Pichard. On south line of lab 23, Wm. Tubbs survey, 5.2 miles east of Levelland. Water level, in feet below land-surface datum, 1945: Mar. 5, 84.45.

24 (*840, p. 446; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 162). R. Y. Hughes. SW $\frac{1}{4}$ sec. 99, blk. A, R. M. Thomson survey, 2 miles southeast of railroad depot in Anton. Water level, in feet below land-surface datum, 1945: Mar. 6, 22.37.

25 (*840, p. 446; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 162). Texas Highway Department. SW $\frac{1}{4}$ sec. 105, blk. A, R. M. Thomson survey, 0.6 mile east of railroad depot in Anton. Water level, in feet below land-surface datum, 1945: Mar. 6, 25.7.

28 (*840, p. 446; 845, p. 510; 886, p. 725; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 163). Dan Jackson and Paul Whitfield. NW corner SW $\frac{1}{4}$ sec. 106, blk. A, R. M. Thomson survey, 0.35 mile west and 0.5 mile south of railroad station in Anton. Water level, in feet below land-surface datum, 1945: Mar. 6, 29.1.

29 (*840, p. 446; 845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 163). A. L. Lindsey. SE corner SE $\frac{1}{4}$ sec. 124, blk. A, R. M. Thomson survey, 1.7 miles west of railroad depot in Anton. Water level, in feet below land-surface datum, 1945: Mar. 6, 27.04.

126 (*845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121; 947, p. 139; *989, p. 156; 1019, p. 163). W. M. Alexander. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 89, blk. A, 3 miles south of Anton. Water level, in feet below land-surface datum, 1945: Mar. 6, 23.3.

Howard County

(No measurements made in 1945.)

Jackson County

5 (*840, p. 461; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 141; *989, p. 159; 1019, p. 163). Jackson County. At Upper Cordele school. Water level, in feet below land-surface datum, 1945: Apr. 26, 35.05.

7 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). D. W. Schropshire. 1.25 miles north of Navidad. Water level, in feet below land-surface datum, 1945: Apr. 26, 41.49.

11a (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; 989, p. 159; 1019, p. 163). Nellie Miller Estate. About 5 miles south of Morales. Water level, in feet below land-surface datum, 1945: Apr. 26, 33.58.

12 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). J. L. Shepherd. 3.75 miles southeast of Morales. Water level, in feet below land-surface datum, 1945: Apr. 26, 33.83.

14 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). Mrs. C. V. Watson. 2.3 miles north of Cordele. Water level, in feet below land-surface datum, 1945: Apr. 26, 34.37.

56 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). A. H. Nagel. At Cordele. Water level, in feet below land-surface datum, 1945: Apr. 26, 30.63.

57 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). S. G. Drushel. At crossroads, 2.5 miles south of Cordele. Water level, in feet below land-surface datum, 1945: Apr. 26, 35.95.

64 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). Wm. Clifford. 3.5 miles west of Edna. Water level, in feet below land-surface datum, 1945: Apr. 25, 38.09.

66 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). S. J. and E. F. Swenson. 5 miles northeast of Edna. Water level, in feet below land-surface datum, 1945: Apr. 26, 35.45.

69 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 159; 1019, p. 163). A. E. Westhoff. 2.5 miles northeast of Edna. Water level, in feet below land-surface datum, 1945: Apr. 26, 32.78.

71 (*840, p. 462; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 160; 1019, p. 164). W. Rogers. No measurements made in 1945.

78 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 125; 947, p. 142; *989, p. 160; 1019, p. 164). Rose, Sample, Taylor & Bagby. 2 miles east of Edna, opposite Manson railroad station. Water level, in feet below land-surface datum, 1945: Apr. 25, 28.48.

88 (*840, p. 463; 845, p. 515; 947, p. 142; *989, p. 160; 1019, p. 164). A. E. Westhoff. 6 miles south-southeast of Edna. Water level, in feet below land-surface datum, 1945: Apr. 25, 19.16.

103 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164). A. C. Wilbeck. 6 miles northwest of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 26, 34.72.

105 (*947, p. 142; *989, p. 160; 1019, p. 164). A. M. Robinson. 4 miles north of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 29, 30.67.

105a (840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164). Sugarland Pig Growers Association. In Ganado. Water level, in feet below land-surface datum, 1945: Apr. 29, 25.95.

115 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164). R. W. Silliman. 5.3 miles southeast of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 24, 25.76.

123 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164). Mrs. C. L. Gaines. 9 miles southeast of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 24, 20.68.

154 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 168; 939, p. 126; 947, p. 142; *989, p. 160; 1019, p. 164). Mrs. C. W. Parfet. No measurements made in 1945.

180 (*840, p. 464; 845, p. 515; 886, p. 727; 909, p. 168; 939, p. 126; 947, p. 143; *989, p. 160; 1019, p. 164). L. Ward. At La Ward. Water level, in feet below land-surface datum, 1945: Apr. 28, 19.85.

229 (*840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; 947, p. 143; *989, p. 160; 1019, p. 164). W. A. Utzman. 3 miles north of Vanderbilt. Water level, in feet below land-surface datum, 1945: Apr. 25, 32.52.

230 (*840, p. 464; 845, p. 515; 886, p. 728; 909, p. 163; 939, p. 126; 947, p. 143; *989, p. 160; 1019, p. 164). Royal Dedman. 5.5 miles northeast of Vanderbilt. Water level, in feet below land-surface datum, 1945: Apr. 25, 34.26.

304 (*947, p. 143; *989, p. 160; 1019, p. 164). O. B. Fenner. No measurements made in 1945.

305 (*947, p. 143; *989, p. 161; 1019, p. 164). O. B. Fenner. No measurements made in 1945.

313 (*947, p. 143; *989, p. 161; 1019, p. 164). G. A. Harrison. 4 miles northeast of Edna. Water level, in feet below land-surface datum, 1945: Apr. 28, 28.78.

318 (*947, p. 143; *989, p. 161; 1019, p. 164). Geo. Carstien. 5 miles north of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 29, 29.77.

322 (*947, p. 143; *989, p. 161; 1019, p. 164). Mrs. B. W. Martin. 2 miles northwest of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 29, 29.67.

337 (*947, p. 143; *989, p. 161; 1019, p. 164). Rose & Sample. 9 miles southeast of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 24, 18.49.

338 (*947, p. 143; *989, p. 161; 1019, p. 165). Harry Wyer. 9 miles southeast of Ganado. Water level, in feet below land-surface datum, 1945: Apr. 24, 18.02.

357 (*947, p. 143; *989, p. 161; 1019, p. 165). A. V. Raplee. 10 miles south of Francitas. Water level, in feet below land-surface datum, 1945: Apr. 28, 10.46.

Jim Wells County

193 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1019, p. 165). M. Morales. 8.5 miles west-northwest of Ben Bolt. Water level, in feet below land-surface datum, 1945: Mar. 17, 23.06.

206 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1019, p. 165). Emilio Barrera. 6.5 miles west of El Par. Water level, in feet below land-surface datum, 1945: Mar. 17, 54.76.

207 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1019, p. 165). Roman Saenz. 6 miles west of El Par. Water level, in feet below land-surface datum, 1945: Mar. 17, 72.96.

221 (*777, p. 215; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1019, p. 165). Felix Perez Cadena. 6 miles west-northwest of Wadoto. Water level, in feet below land-surface datum, 1945: Mar. 17, 52.76.

222 (*777, p. 215; 840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 161; 1019, p. 165). Manuel Cadena. 6 miles west-northwest of Wadoto. Water level, in feet below land-surface datum, 1945: Mar. 17, 52.15.

242 (*989, p. 161; 1019, p. 165). Hormigas. (Owner's name for well.) King Estate. 6.5 miles south of Ben Bolt. Water level, in feet below land-surface datum, 1945: Mar. 15, 76.89.

244 (*989, p. 161; 1019, p. 165). Ella well. (Owner's name for well.) King Estate. 9.5 miles north of Premont. Water level, in feet below land-surface datum, 1945: Mar. 15, 81.25.

252 (*777, p. 215; 840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 162; 1019, p. 165). Cerapio Hinojosa. 6.5 miles west-southwest of Ella. Water level, in feet below land-surface datum, 1945: Mar. 17, 53.56.

253 (*777, p. 215; 840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 162; 1019, p. 165). San Juan Hinojosa. 6.5 miles west-southwest of Ella. Water level, in feet below land-surface datum, 1945: Mar. 17, 66.92.

269 (*989, p. 162; 1019, p. 165). R. P. Wynne. 4 miles north of Premont. Water level, in feet below land-surface datum, 1945: Mar. 14, 69.57.

292 (*989, p. 162; 1019, p. 165). W. A. Cobb. 0.75 mile northwest of Premont. Water level, in feet below land-surface datum, 1945: Mar. 14, 73.88.

307 (*989, p. 162; 1019, p. 165). A. R. Clarke. 5.75 miles west of Premont. Water level, in feet below land-surface datum, 1945: Mar. 14, 62.89.

314 (*989, p. 162; 1019, p. 165). H. S. Hewitt. Measurements discontinued.

316 (*989, p. 162; 1019, p. 165). C. T. Hewitt. 1.75 miles west of Premont. Water level, in feet below land-surface datum, 1945: Mar. 14, 74.45.

329. Texas & New Orleans Railroad Co. 0.5 mile south of Premont. Used drilled stock well, diameter $4\frac{1}{2}$ inches, depth 553 feet. Measuring point, hole in steel plate over casing, 0.7 foot above land-surface. Equipped with windmill. Water levels, in feet below land-surface datum: Oct. 24, 1932, 43.7; Nov. 19, 1943, 66.62; Mar. 5, 1944, 69.69; Mar. 13, 1945, 75.31.

346 (*989, p. 162; 1019, p. 165). Charlie Premont. No measurements made in 1945.

357 (*989, p. 162; 1019, p. 165). Nelson English. 1.75 miles south of Premont. Water level, in feet below land-surface datum, 1945: Mar. 13, 65.46.

359 (*989, p. 162; 1019, p. 165). E. J. Corrigan. 3.25 miles south of Premont. Water level, in feet below land-surface datum, 1945: Mar. 13, 56.58.

374 (*777, p. 216; 840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 126; *989, p. 162; 1019, p. 165). E. G. Meun. 4.5 miles northwest of Fairfurnas. Water level, in feet below land-surface datum, 1945: Mar. 8, 33.16.

377 (*989, p. 162; 1019, p. 165). Dale Maun. 7 miles southwest of Premont. Water level, in feet below land-surface datum, 1945: Mar. 8, 25.30.

382 (*989, p. 163; 1019, p. 165). J. H. Patzakowsky. 5 miles southwest of Premont. Water level, in feet below land-surface datum, 1945: Mar. 9, 48.06.

397 (*989, p. 163; 1019, p. 165). John Minten. 5 miles southeast of Premont. Water level, in feet below land-surface datum, 1945: Mar. 12, 52.52.

399 (*989, p. 163; 1019, p. 165). O. M. Boone. 5.25 miles south of Premont. Water level, in feet below land-surface datum, 1945: Mar. 13, 48.89.

418 (*989, p. 163; 1019, p. 166). City of Premont. In Premont. Water levels, in feet below land-surface datum, 1945: Jan. 2, 77.66; Mar. 14, 76.50.

Kinney County

XX1 (*840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). Ethel Whitaker. 2 miles west of Cline. Water level, in feet below land-surface datum, 1945: June 5, 74.27.

XX5 (*840, p. 465; 845, p. 516; 886, p. 728; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). Judge John Fritter. 6 miles east of Brackettville. Water level, in feet below land-surface datum, 1945: June 6, 33.95.

XX6 (*840, p. 465; 845, p. 516; 886, p. 728; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163). Dr. B. F. Orr. No measurements made in 1945.

XX9 (*840, p. 465; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). C. J. Poehler. 3.75 miles west of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 41.28.

XX11 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). J. F. Beidler. 7 miles west of Brackettville. Water level, in feet below land-surface datum, 1945: June 6, 28.27.

XX12 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). J. F. Beidler. 12.5 miles west of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 17.92.

XX13 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). Howard Roberts. 17.5 miles west of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 72.73.

XX17 (*909, p. 170; 939, p. 127; 947, p. 144; *989, p. 164; 1019, p. 166). Jimmy Lowrance. 1 mile west of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 50.36.

XX112 (*886, p. 729; 909, p. 170; 939, p. 127; *989, p. 164; 1019, p. 166). E. Webb. 7.65 miles north of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 202.22.

XX114 (*886, p. 729; 909, p. 170; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). E. Webb. 7.5 miles north of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 78.81.

XK116 (*886, p. 729; 909, p. 170; 939, p. 127; 947, p. 144; *989, p. 163; 1019, p. 166). J. D. Harwood. 10 miles north of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 138.96.

XK163 (*886, p. 730; 909, p. 170; 939, p. 127; *989, p. 163; 1019, p. 166). Edward May. No measurements made in 1945.

XK170 (*909, p. 170; 939, p. 127; 947, p. 144; *989, p. 164; 1019, p. 166). Nolen & Postell. No measurements made in 1945.

XK180 (*886, p. 730; 909, p. 171; 939, p. 127; 947, p. 144; *989, p. 164; 1019, p. 166). N. P. Peterson. No measurements made in 1945.

XK187 (*909, p. 171; 939, p. 128; 947, p. 144; *989, p. 164; 1019, p. 166). Mrs. G. A. Harrison. 9.5 miles east of Brackettville. Water level, in feet below land-surface datum, 1945: June 6, 81.91.

XK196 (*886, p. 730; 909, p. 171; 939, p. 128; 947, p. 144; *989, p. 164; 1019, p. 167). Judge John Fritter. No measurements made in 1945.

XK198 (*909, p. 171; 939, p. 128; 947, p. 144; *989, p. 164; 1019, p. 167). Charley Zinsmeister. 5 miles west of Brackettville. Water level, in feet below land-surface datum, 1945: June 5, 44.97.

XK199 (*909, p. 172-173; 939, p. 128; 947, p. 144; *989, p. 164; 1019, p. 167). E. Webb. No measurements made in 1945.

Kleberg County

13 (*773-D, p. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 128; *989, p. 164; 1019, p. 167). Tamales. (Owner's name for well.) King Estate. 8 miles northwest of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 15, 70.85.

15 (*773-D, p. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 128; *989, p. 164; 1019, p. 167). Puertos. (Owner's name for well.) King Estate. 5 miles northwest of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 15, 67.29.

23 (*773-D, p. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 128; *989, p. 164; 1019, p. 167). King Estate. No measurements made in 1945.

31 (*773-D, p. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165; 1019, p. 167). Liberty. (Owner's name for well.) King Estate. 2 miles south of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 15, 61.72.

35 (*773-D, p. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165; 1019, p. 167). Silo. (Owner's name for well.) King Estate. 1.5 miles southeast of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 15, 64.97.

64 (*773-D, p. 210, 221; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165; 1019, p. 167). Rincon Caesar. (Owner's name for well.) King Estate. 18 miles south-southeast of Santa Gertrudis ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 17, 5.08.

73 (*773-D, p. 210, 222; 845, p. 517; 886, p. 730; 909, p. 173; 939, p. 129; *989, p. 165; 1019, p. 167). Joe Stelzig. No measurements made in 1945.

91 (*773-D, p. 210, 222; *989, p. 165; 1019, p. 167). City of Kingsville well 2. In Kingsville. Water level, in feet below land-surface datum, 1945: Mar. 16, 89.34.

92 (*773-D, p. 210, 222; *989, p. 165; 1019, p. 167). City of Kingsville well 3. No measurements made in 1945.

127 (*773-D, p. 211, 222; *989, p. 165; 1019, p. 167). R. F. Preait. Measurements discontinued.

144 (*773-D, pp. 211, 222; 845, p. 517; 886, p. 730; 909, p. 174; 939, p. 129; *989, p. 165; 1019, p. 167). Joe Elaik. No measurements made in 1945.

188 (*773-D, p. 211, 223; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 165; 1019, p. 167). J. R. Trussell. 3.5 miles south of Kingsville. Water level, in feet below land-surface datum, 1945: Mar. 17, 46.17.

190 (*773-D, p. 211, 223; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 165; 1019, p. 167). L. E. Plato and others. No measurements made in 1945.

217 (*773-D, p. 211, 223; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 167). J. R. Trussell. 6 miles south of Kingsville. Water level, in feet below land-surface datum, 1945: Mar. 16, 30.81.

257 (*773-D, p. 211, 224; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). Mrs. J. Talty. 7.5 miles south of Kingsville. Water level, in feet below land-surface datum, 1945: Mar. 17, 18.28.

278 (*773-D, p. 211, 224; *989, p. 166; 1019, p. 168). H. Andrews. No measurements made in 1945.

282 (*773-D, p. 211, 224; 845, p. 518; 886, p. 731; 909, p. 174; *989, p. 166; 1019, p. 168). Pete Christensen. 3 miles north of Riviera. Water level, in feet below land-surface datum, 1945: Mar. 17, 10.48.

283 (*773-D, p. 211, 224; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). W. H. Bensman. 3 miles north of Riviera. Water level, in feet below land-surface datum, 1945: Mar. 17, 10.88.

375 (*773-D, p. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). Noria Honda (Owner's name for well.) King Estate. 12 miles west of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 16, 21.26.

380 (*773-D, p. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). Telephone No. 1 (Owner's name for well.) King Estate. 13 miles southwest of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 16, 21.97.

382 (*773-D, p. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). Tres Esquinas: (Owner's name for well.) King Estate. 10 miles west-southwest of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 16, 11.53.

383 (*773-D, p. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). Quantitos. (Owner's name for well.) King Estate. 8.5 miles west-southwest of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 16, 6.77.

384 (*773-D, p. 211, 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). Aljibes. (Owner's name for well.) King Estate. 7 miles west of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 16, 15.00.

385 (*773-D, p. 211; 226; 845, p. 518; 909, p. 174; 939, p. 129; *989, p. 166; 1019, p. 168). Palacios. (Owner's name for well.) King Estate. 8 miles west of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 16, 10.46.

406 (*773-D, p. 211, 226; 845, p. 518; 909, p. 174; 939, p. 130; *989, p. 166; 1019, p. 168). Mujeres Chiquitas. (Owner's name for well.) King Estate. About 0.5 mile south of Laureles ranch headquarters. Water level, in feet below land-surface datum, 1945: Mar. 16, 20.36.

Lamb County

1 (*840, p. 466; 845, p. 518; 886, p. 231; 909, p. 174; 939, p. 130; 947, p. 145; *989, p. 166; 1019, p. 168). H. H. Engleking. NW. corner SE $\frac{1}{4}$ sec. 14, blk. W, 11 miles west and 4.5 miles north of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 66.5.

3a (*840, p. 466; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 130; 947, p. 145; *989, p. 166; 1019, p. 168). J. O. Crawford. NW. corner SW $\frac{1}{4}$ sec. 30, blk. W, 11 miles west and 3 miles north of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 24.7.

6 (*845, p. 518; 886, p. 731; 909, p. 174; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 168). Albert Lavigne. NW. corner SW $\frac{1}{4}$ sec. 35, blk. W, 12 miles west of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 17.8.

7 (*840, p. 466; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 168). Lillie Bickle. No measurements made in 1945.

8 (*840, p. 467; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 168). J. L. Withrow. NW. corner NE $\frac{1}{4}$ sec. 51, blk. W, 0.5 mile north of U. S. Highway 70 and 0.5 mile east of Bailey-Lamb county line. Water level, in feet below land-surface datum, 1945: Feb. 19, 12.95.

13 (*840, p. 467; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 169). John Fryie. NW. corner NW $\frac{1}{4}$ sec. 45, blk. W, 10 miles west and 1.5 miles north of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 16.4.

16 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 169). R. L. Brown. NW. corner NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, blk. W, 10 miles west and 3 miles north of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 31.8.

19 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 145; *989, p. 167; 1019, p. 169). Josephine Roubineck. NW. corner SE $\frac{1}{4}$ sec. 36, blk. W, 10.5 miles west and 2 miles north of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 16.3.

30 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 167; 1019, p. 169). J. M. Young. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 38, blk. W, 7 miles west and 2 miles north of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 20.70.

38 (*840, p. 467; 845, p. 519; 947, p. 146; *989, p. 167; 1019, p. 169). Zeb Smith. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 57, blk. 2, 5 miles west and 2 miles north of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 35.7.

60 (*840, p. 467; 845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 167; 1019, p. 169). S. A. Davis. NW. corner SE $\frac{1}{4}$ sec. 69, blk. 1, 0.5 mile northwest of Springlake. Water level, in feet below land-surface datum, 1945: Feb. 22, 68.07.

76 (*840, p. 468; 845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 167; 1019, p. 169). F. E. Gladden. No measurements made in 1945.

76a (*845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 168; 1019, p. 169). Measurements discontinued.

88 (*845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130; 947, p. 146; *989, p. 168; 1019, p. 169). Halsell Cattle Co. SW $\frac{1}{4}$ lab. 20, league 238, on east side of Amherst-Earth road, 8.5 miles south of Earth. Water level, in feet below land-surface datum, 1945: Feb. 19, 34.45.

108 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 175; 939, p. 131; 947, p. 146; *989, p. 168; 1019, p. 159). Texas Highway Department. 4.7 miles northwest of Sudan railroad depot, on U. S. Highway 84 right-of-way, on north side of pavement. Dry at 13 feet on Feb. 19, 1945.

231 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131; 947, p. 146; *989, p. 168; 1019, p. 170). Vincent Peterman. No measurements made in 1945.

236 (*840, p. 468; 845, p. 519; 909, p. 176; 939, p. 131; 947, p. 146; *989, p. 168; 1019, p. 170). L. D. Criswell. NW $\frac{1}{4}$ SE $\frac{1}{4}$ lab. 24, league 649, 1 mile north of U. S. Highway 84, 2 miles east of Amherst. Water level, in feet below land-surface datum, 1945: Feb. 19, 71.0.

243 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 168; 1019, p. 170). Les Barker. Center of lab. 5, league 864, on south side of U. S. Highway 84, 1.5 miles northwest of Littlefield. Water level, in feet below land-surface datum, 1945: Feb. 19, 75.50.

251a (*886, p. 733; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 168; 1019, p. 170). G. Y. Oxford. NW $\frac{1}{4}$ lab. 17, league 644, 8.5 miles north of Littlefield. Water level, in feet below land-surface datum, 1945: Feb. 19, 53.65.

322 (*840, p. 468; 845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 169; 1019, p. 170). Yellow House Land Co. NW corner lab. 16, league 671, on north side of U. S. Highway 84 and Panhandle & Santa Fe Railway, 4.5 miles southeast of Littlefield. Water level, in feet below land-surface datum, 1945: Feb. 19, 36.75.

341a (*845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 169; 1019, p. 170). Yellow House Land Co. SE corner NW $\frac{1}{4}$ NE $\frac{1}{4}$ lab. 23, league 671, 0.5 mile north of Yellow House railroad switch. Water level, in feet below land-surface datum, 1945: Feb. 19, 38.6.

342a (*845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131; 947, p. 147; *989, p. 169; 1019, p. 170). R. M. Love. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, blk. 1 R. M. Thomson survey, 30 feet south of U. S. Highway 84, 4.3 miles northwest of Anton railroad depot, on side of small hill. Water level, in feet below land-surface datum, 1945: Feb. 19, dry at 35 feet.

Lubbock County

3a (*845, p. 522; 886, p. 735; 909, p. 177; 939, p. 133; 947, p. 147; *989, p. 169; 1019, p. 170). E. E. Winters. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 43, blk. P. 0.5 mile north of U. S. Highway 84. Water level, in feet below land-surface datum, 1945: Feb. 21, 28.1.

37 (*909, p. 177; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 170). L. K. Fowler. Formerly owned by S. E. Blair. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 149, blk. C, 17 miles northeast of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 9, 71.4.

64a (*845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 170). W. O. Fortenberry. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, blk. D, 0.4 mile east of U. S. Highway 87, 10.5 miles north of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 9, 84.4.

74a (*845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 170). J. S. George. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 37, blk. A, 1.5 miles west of U. S. Highway 87, 6.5 miles north of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 9, 31.63.

74b (*886, p. 735; 909, p. 178; 939, p. 133; *989, p. 169; 1019, p. 170). J. S. George. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 37, blk. A, 7.5 miles north of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 9, 33.4.

77a (*845, p. 522; 886, p. 735; 909, p. 178; 947, p. 148; *989, p. 169; 1019, p. 170). J. H. Felton. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, blk. A, 6 miles north of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 21, 70.1.

81 (*840, p. 470; 845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133; 947, p. 148; *989, p. 169; 1019, p. 171). J. E. Vickers. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, blk. A, 0.2 mile west of U. S. Highway 87, 5 miles north of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 23, 40.52.

99 (*840, p. 470; 845, p. 522; 909, p. 178; 947, p. 148; *989, p. 169; 1019, p. 171). R. B. Gray. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 37, blk. P, 4 miles northwest of Shallowater. Water level, in feet below land-surface datum, 1945: Feb. 20, 29.58.

101 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). D. P. Bowser. SW. corner SW $\frac{1}{4}$ sec. 38, blk. P, 4 miles west of Shallowater. Water level, in feet below land-surface datum, 1945: Feb. 20, 62.2.

107 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). B. G. Lokey. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, blk. D5, on north side of U. S. Highway 84, in Shallowater. Water level, in feet below land-surface datum, 1945: Feb. 20, 45.4.

118 (*845, p. 523; 886, p. 736; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). T. C. James. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, blk. JS, 9 miles west of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 22, 79.6.

121 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). Brown. SE $\frac{1}{4}$ sec. 1, blk. D6, north of Carlisle Public School and north of State Highway 24. Water level, in feet below land-surface datum, 1945: Feb. 20, 73.5.

123 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). Travis Tubbs. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, blk. JS, 6 miles west of Lubbock. Water level, in feet below land-surface datum, 1945: 62.2.

128 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). Rufus Rush. West line of SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, blk. E2, 0.6 mile north of State Highway 24, 2.5 miles west of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 21, 39.25.

138 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). Edith Collie. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, blk. JS, 7 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 23, 36.1.

139 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 148; *989, p. 170; 1019, p. 171). O. C. Ballard. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, blk. JS, 7 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 22, 23.8.

150a (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171). M. C. Gibson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, blk. A, between U. S. Highway 84 and Panhandle & Santa Fe Railway, 5.5 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 22, 23.4.

151 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171). Broadview School. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, blk. A, on south side of U. S. Highway 84, 3 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 22, 23.2.

154 (*886, p. 736; 909, p. 178; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171). John King. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, blk. A, 4 miles west of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 21, 37.0.

156 (*845, p. 523; 886, p. 736; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 170; 1019, p. 171). J. M. Phillips. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, blk. A, 0.6 mile south of U. S. Highway 84, 3 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 23, 41.2.

185 (*886, p. 737; 909, p. 179; *1019, p. 171). W. H. Massey. Formerly owned by F. Clowe. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, blk. O, 1.75 miles east of county courthouse, on south side of Highway 82. Water level, in feet below land-surface datum, 1945: Feb. 21, 61.9.

188 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172). State Experiment Farm. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, blk. O, 3 miles east of Lubbock. Water level, in feet below land-surface datum, 1945: Mar. 1, 76.6.

219 (*886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172). Ed Harrison. NW. corner sec. 5, blk. RG, 9.5 miles east of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 20, 37.4.

221 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172). Bill Turner. NW. corner NW $\frac{1}{4}$ sec. 156, blk. C, on south side of U. S. Highway 62, 2 miles east of Idalou. Water level, in feet below land-surface datum, 1945: Feb. 9, 52.1.

222 (*845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172). R. T. Groves. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. RG, 1.2 miles south of U. S. Highway 62, 12 miles east of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 20, 48.10.

223 (*845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134; 947, p. 149; *989, p. 171; 1019, p. 172). W. C. Grimes. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, blk. RG, 12 miles east of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 20, 42.7.

228 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 135; 947, p. 149; *989, p. 171; 1019, p. 172). G. H. Hutchings. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 91, blk. C, 6 miles east of Idalou along U. S. Highway 62, thence 0.6 mile south on dirt road. Water level, in feet below land-surface datum, 1945: Feb. 20, 65.3.

301 (*886, p. 738; 909, p. 180; 939, p. 135; 947, p. 149; *989, p. 171; 1019, p. 172). S. D. Stewart. Formerly owned by New Hope Public School. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 68, blk. S, 8 miles south of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 27, 50.1.

314 (*840, p. 471; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 149; *989, p. 171; 1019, p. 172). T. B. Zelnher. SW. corner SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, blk. B, 4 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 27, 43.1.

316 (*840, p. 471; 845, p. 525; 886, p. 738; 947, p. 149; *989, p. 171; 1019, p. 172). E. A. Hankins. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, blk. E2, 4.75 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 29, 60.6.

332 (*840, p. 471; 845, p. 525; 886, p. 738; 909, p. 180; 947, p. 150; *989, p. 171; 1019, p. 172). Owner unknown. No measurements made in 1945.

336a (*845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 150; *989, p. 171; 1019, p. 172). Mrs. Mary Coons. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, blk. AK, 0.8 mile south of U. S. Highway 62, 10 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 27, 76.6.

339 (*909, p. 180; 939, p. 135; 947, p. 150; *989, p. 172; 1019, p. 172). J. E. Hinson. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, blk. AK, 8.5 miles west of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 21, 59.5.

355 (*840, p. 471; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 150; *989, p. 172; 1019, p. 172). J. A. Medlock. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, blk. CB, 0.5 mile west of U. S. Highway 62, 14 miles south of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 27, 82.0.

369 (*840, p. 471; 845, p. 525; 909, p. 180; 947, p. 150; *989, p. 172; 1019, p. 172). A. D. Thomas. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, blk. 20, 0.5 mile west of U. S. Highway 87, 9.5 miles south of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 27, 75.9.

376 (*886, p. 738; 947, p. 150; *989, p. 172; 1019, p. 172). Union Public School. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, blk. 20, 12.5 miles south of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 27, 89.95.

383 (*840, p. 472; 845, p. 525; 886, p. 738; 909, p. 180; 947, p. 150; *989, p. 172; 1019, p. 173). H. B. Hobgood. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, blk. CB, 0.2 mile east of U. S. Highway 62, 14 miles southwest of Lubbock. Water level, in feet below land-surface datum, 1945: Mar. 5, 71.5.

387 (*840, p. 472; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135; 947, p. 150; *989, p. 172; 1019, p. 173). W. J. Garrett. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, blk. B, 0.6 mile south of junction of U. S. Highway 62 and State Highway 24. Water level, in feet below land-surface datum, 1945: Feb. 27, 37.5.

388 (*840, p. 472; 845, p. 525; 886, p. 739; 909, p. 180; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173). G. D. Taylor. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, blk. B, 0.35 mile southwest of junction of U. S. Highway 62 and State Highway 24. Water level, in feet below land-surface datum, 1945: Feb. 27, 24.6.

389 (*840, p. 472; 845, p. 525; 886, p. 739; 909, p. 180; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173). E. Scott Jones. Center NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, blk. B, on east side of U. S. Highway 62, 0.2 mile southwest of junction with State Highway 24. Water level, in feet below land-surface datum, 1945: Feb. 27, 25.4.

391 (*840, p. 472; 845, p. 526; 886, p. 739; 909, p. 180; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173). C. R. Moore. No measurements made in 1945.

392 (*840, p. 472; 845, p. 526; 886, p. 739; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173). Mrs. Betty Lindsey and others. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, blk. D6, on south side of State Highway 24, 10.25 miles west of its junction with U. S. Highway 62. Water level, in feet below land-surface datum, 1945: Feb. 20, 91.05.

395 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173). H. W. Stanton. NW corner NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, blk. A, 2.5 miles north of Lubbock County courthouse. Water level, in feet below land-surface datum, 1945: Feb. 23, 40.36.

397 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 172; 1019, p. 173). C. L. Dean. NE corner SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, blk. J8, 3.5 miles north and 3.5 miles west of Lubbock County courthouse. Water level, in feet below land-surface datum, 1945: Feb. 9, 13.3.

398 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 173; 1019, p. 173). E. E. Ireland. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, blk. D5, 8.5 miles northwest of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 9, 12.6.

401 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 173; 1019, p. 173). Virginia Bacon. SE corner SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 39, blk. D, 0.6 mile west of U. S. Highway 87 and 8 miles north of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 9, 67.66.

402 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 150; *989, p. 173; 1019, p. 173). Fort Worth & Denver City Railway Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 65, blk. A, on railway right-of-way at Kitalou switch, 0.2 mile north of U. S. Highway 62. Water level, in feet below land-surface datum, 1945: Feb. 9, 31.7.

403 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136; 947, p. 151; *989, p. 173; 1019, p. 173). J. E. Smiley. SW corner SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 56, blk. A, 8 miles northeast of Lubbock. Water level, in feet below land-surface datum, 1945: Feb. 7, 34.86.

Lynn County

604a (*909, p. 181; 947, p. 151; *989, p. 173). Owner unknown. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 391, blk. 5, 6.7 miles north of courthouse in Tahoka. No measurements made in 1945.

605 (*840, p. 474; 845, p. 527; 886, p. 739; 909, p. 181; 947, p. 151; *989, p. 173). L. King. NE corner NE $\frac{1}{4}$ sec. 396, blk. 5, T.T.R.R. Co. survey, 8.3 miles north of Tahoka. No measurements made in 1945.

607 (*840, p. 474; 845, p. 527; 886, p. 739; 909, p. 181; *989, p. 173). Owner unknown. No measurements made in 1945.

608 (*840, p. 474; 845, p. 527; 886, p. 739; 909, p. 181; 947, p. 151; *989, p. 173). Owner unknown. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 419, blk. 1, D & S.E. R.R. Co. survey, 14.4 miles north of Tahoka. No measurements made in 1945.

701 (*840, p. 474; 845, p. 527; 886, p. 740; 947, p. 151; *989, p. 173). E. E. Fagg. NE $\frac{1}{4}$ sec. 41, blk. 8 E.L.R. R.R. Co. survey, 2.4 miles north of O'Donnell. No measurements made in 1945.

703 (*840, p. 474; 845, p. 527; 886, p. 740; 909, p. 181; *989, p. 173). T. L. McKinney. No measurements made in 1945.

705 (*840, p. 474; 845, p. 527; 886, p. 740; *989, p. 173). W. M. Massie. No measurements made in 1945.

713a (*909, p. 182; 947, p. 151; *989, p. 173). City of Tahoka. In Tahoka, 100 feet northeast of city standpipe. No measurements made in 1945.

806 (*840, p. 475; 845, p. 527; 886, p. 740; 909, p. 182; 947, p. 151; *989, p. 173). Mr. Parker. SW corner NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 53, blk. 8, 0.6 mile west and 0.2 mile north of O'Donnell water tower. No measurements made in 1945.

Matagorda County

3 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 193; 939, p. 137; 947, p. 151; *989, p. 174; 1019, p. 174). Southern Pacific Railroad Co. About 0.6 mile west of highway intersection at Midfield, 15 miles west of Bay City. Water level, in feet below land-surface datum, 1945: Apr. 28, 8.52.

33 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137; 947, p. 161; *989, p. 174; 1019, p. 174). Turtle Bay School. 5 miles west of Palacios. Water level, in feet below land-surface datum, 1945: Apr. 28, 8.16.

40 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137; 947, p. 151; *989, p. 174; 1019, p. 174). City of Palacios. At waterworks. Water level, in feet below land-surface datum, 1945: Apr. 28, 14.17.

Medina County

12-7 (*678, p. 118; 840, p. 479; 845, p. 529; 886, p. 741; 909, p. 184; 939, p. 138; 947, p. 151; *989, p. 174; 1019, p. 174). Alfred Schlentz. 8.2 miles north-northwest of Hondo. Water level, in feet below land-surface datum, 1945: June 4, 180.81.

13-3 (*678, p. 118; 840, p. 479; 845, p. 529; 886, p. 741; 909, p. 184; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 174). Gus Britch. 4.7 miles northeast of Hondo. Water level, in feet below land-surface datum, 1945: June 4, 169.61.

13-4 (*678, p. 118; 840, p. 480; 845, p. 529; 909, p. 184; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 174). H. W. McClain. 7.2 miles northeast of Hondo. Water level, in feet below land-surface datum, 1945: June 4, 172.31.

14-18 (*678, p. 120; 840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 174). Ross Kennedy Estate. 3.7 miles east of Sabin. Water level, in feet below land-surface datum, 1945: June 4, 204.41.

14-29 (*678, p. 120; 840, p. 480; 845, p. 530; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 175). Will Kelly. 6.3 miles southwest of D'Hanis. Water level, in feet below land-surface datum, 1945: June 6, 194.11.

14-30 (*678, p. 120; 840, p. 480; 845, p. 530; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 175). Virgil Johnson. 12 miles southeast of D'Hanis. Water level, in feet below land-surface datum, 1945: June 6, 28.91.

XM-1 (*840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 174; 1019, p. 175). Leonard Otto. 1 mile east of Castroville. Water level, in feet below land-surface datum, 1945: June 4, 54.49.

XM-2 (*845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 175; 1019, p. 175). F. C. Stinson. 6 miles north of Castroville. Water level, in feet below land-surface datum, 1945: June 4, 136.90.

XM-3 (*840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138; 947, p. 152; *989, p. 175; 1019, p. 175). John Krenmueller. At Dunlay. Water level, in feet below land-surface datum, 1945: June 4, 61.50.

Montgomery County

22 (*909, p. 187; 939, p. 139; 947, p. 152; *989, p. 175; 1019, p. 175). City of Conroe. In Conroe. Water levels, in feet below land-surface datum, 1945: Jan. 24, 0.05; Mar. 26, 1.62; June 15, 6.50.

29 (*840, p. 481; 845, p. 532; 886, p. 742; 909, p. 187; 947, p. 152; *989, p. 175; 1019, p. 175). Brown Estate. 1.8 miles south of Conroe. Water levels, in feet below land-surface datum, 1945: Jan. 24, 17.48; Mar. 26, 16.38; June 15, 15.46.

45 (*840, p. 482; 845, p. 532; 886, p. 742; 909, p. 187; 939, p. 139; 947, p. 152; *989, p. 175; 1019, p. 175). Blair & Sons. At Tamina. Water levels, in feet below land-surface datum, 1945: Jan. 23, 16.75; Mar. 26, 16.93; June 15, 17.96.

46 (*840, p. 482; 845, p. 532; 886, p. 742; 909, p. 187; 939, p. 140; 947, p. 153; *989, p. 175; 1019, p. 175). E. W. Castleschout. 9.5 miles south of Conroe. Water levels, in feet below land-surface datum, 1945: Jan. 24, 28.98; Mar. 26, 29.16; June 15, 29.27.

57 (*909, p. 187; 939, p. 140; 947, p. 152; *989, p. 175; 1019, p. 175). R. E. Hicks. 2.25 miles northwest of Conroe. Water levels, in feet below land-surface datum, 1945: Jan. 24, 40.43; Mar. 26, 39.56; June 15, 39.16.

140 (*1019, p. 175). J. M. Liles test hole R-2. 1 mile north of Conroe. Water levels, in feet below land-surface datum, 1945: Jan. 24, 6.05; Mar. 26, 6.08; June 15, 6.88.

Nacogdoches County

18 (*947, pp. 152-3; *989, p. 175; 1019, p. 176). City of Cushion. No measurements made in 1945.

113a (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140; 947, p. 153; *989, p. 176; 1019, p. 176). W. McCruistian. 7.2 miles northeast of Nacogdoches. Water levels, in feet below land-surface datum, 1945: Feb. 9, 77.4; May 25, 76.4; Nov. 28, 78.6.

120 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140; 947, p. 153; *989, p. 176). Southern Ice Co. No measurements made in 1945.

121 (*840, p. 483; 845, p. 523; 886, p. 743; 909, p. 188; 939, p. 140; 947, p. 153; *989, p. 176; 1019, p. 176). City of Nacogdoches. No measurements made in 1945.

122 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140; 947, p. 153; *989, p. 176; 1019, p. 176). City of Nacogdoches. No measurements made in 1945.

127 (*989, p. 176; 1019, p. 176). J. T. Hall. 2.75 miles north of Nacogdoches. Water level, in feet below land-surface datum, 1945: Nov. 28, 162.1.

156 (*989, p. 176; 1019, p. 176). Sam Hayter. 7 miles northwest of Nacogdoches. Water levels, in feet below land-surface datum, 1945: Feb. 9, 11.5; Nov. 28, 15.2.

178 (*909, p. 188; 939, p. 140; 947, p. 154; *989, p. 177; 1019, p. 176). Shell Pipe Line Co. 12 miles west of Nacogdoches. Water level, in feet below land-surface datum, 1945: Nov. 28, 109.14.

198 (*840, p. 484; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140; 947, p. 154; *989, p. 177; 1019, p. 176). Piney Woods Country Club. 4.8 miles south-southeast of Nacogdoches. Water level, in feet below land-surface datum, 1945: Nov. 28, 79.3.

271 (*909, p. 188; 939, p. 140; 947, p. 154; *989, p. 177; 1019, p. 176). L. C. Jacobs. No measurements made in 1945.

321 (*947, p. 154; *989, p. 177; 1019, p. 176). Southland Paper Mills, Inc. No measurements made in 1945.

322 (*947, p. 154; *989, p. 177; 1019, p. 176). Southland Paper Mills, Inc. 10 miles south of Nacogdoches. Water level, in feet below land-surface datum, 1945: Nov. 28, 71.8.

323 (*947, p. 155; *989, p. 178; 1019, p. 177). Southland Paper Mills, Inc. No measurements made in 1945.

324 (*947, p. 155; *989, p. 178; 1019, p. 177). Southland Paper Mills, Inc. 11 miles southeast of Nacogdoches. Water levels, in feet below land-surface datum, 1945: Feb. 9, 68.4; May 25, 72.3.

325 (*947, p. 155; *989, p. 178; 1019, p. 177). Southland Paper Mills, Inc. 11 miles southeast of Nacogdoches. Water levels, in feet below land-surface datum, 1945: Feb. 9, 86.0; May 25, 86.7; Nov. 28, 88.9.

326 (*947, p. 155; *989, p. 178; 1019, p. 177). Southland Paper Mills, Inc. No measurements made in 1945.

327 (*947, p. 156; *989, p. 178; 1019, p. 177). Southland Paper Mills, Inc. No measurements made in 1945.

329 (*947, p. 156; *989, p. 178; 1019, p. 177). Southland Paper Mills, Inc. No measurements made in 1945.

330 (*947, p. 156; *989, p. 179; 1019, p. 177). Southland Paper Mills, Inc. No measurements made in 1945.

331 (*947, p. 156; *989, p. 179; 1019, p. 177). Southland Paper Mills, Inc. 8 miles southeast of Nacogdoches. Water levels, in feet below land-surface datum, 1945: Feb. 9, 71.50; May 25, 74.12; Nov. 23, 82.76; Nov. 28, 81.66.

Parmer County

2 (*840, p. 485; 845, p. 534; 886, p. 745; 939, p. 141; 947, p. 157; *989, p. 179). Panhandle & Santa Fe Railway Co. No measurements made in 1945.

6 (*840, p. 485; 845, p. 534; 947, p. 157; *989, p. 179). Mrs. K. Hamlin. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 16 S., 2.5 miles east of Farwell. Water level, in feet below land-surface datum, 1945: Mar. 2, 154.0.

8 (*840, p. 486; 845, p. 534; *989, p. 179). Mrs. A. Parker. No measurements made in 1945.

9 (*840, p. 486; 845, p. 534; 886, p. 745; *989, p. 179). J. A. Jones. No measurements made in 1945.

10 (*840, p. 486; 845, p. 535; *989, p. 179). J. M. Gunn. No measurements made in 1945.

11 (*840, p. 486; 845, p. 535; 886, p. 745; *989, p. 179). Mr. Davidson. No measurements made in 1945.

11a (*845, p. 535; 886, p. 745; *989, p. 179). T. J. Hawks. No measurements made in 1945.

12 (*840, p. 486; 845, p. 535; *989, p. 179). Capitol Syndicate. No measurements made in 1945.

15 (*840, p. 486; 845, p. 535; 886, p. 745; 947, p. 157; *989, p. 180). A. C. Hays. No measurements made in 1945.

Randall County

(No measurements made in 1945.)

Reeves County

(No measurements made in 1945.)

San Patricio County

58 (*909, p. 193; 939, p. 155; 947, p. 165). J. D. Mills. No measurements made in 1945.

68 (*909, p. 193; 939, p. 155; 947, p. 165). F. N. Edwards. In lot 9, blk. 86, McCampbell subdivision, 0.5 mile east-southeast of Ingleside, 4 miles southwest of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 7, 21.9; Dec. 27, 19.25.

69 (*909, p. 193; 939, p. 155; 947, p. 165). O. V. Coopender. In north half of lot 16, blk. 85, McCampbell subdivision, 4 miles west of Aransas Pass. Water level, in feet below land-surface datum, 1945: Nov. 7, 18.6.

80 (*909, p. 193; 939, p. 155; 947, p. 165). Lewis Caldwell. In south half of lot 1, McCampbell subdivision, in western part of Ingleside, 3.25 miles southwest of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 7, 14.05; Dec. 26, 13.9.

85 (*909, p. 193; 939, p. 155; 947, p. 165). W. H. Bryan. In center of lot 9, blk. 82, McCampbell subdivision, 3.25 miles west of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 7, 16.15; Dec. 27, 16.0.

86 (*909, p. 193; 939, p. 155; 947, p. 165). T. H. Bennight. In west corner of lot 12, blk. 82, McCampbell subdivision, 3.25 miles west of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 7, 16.1; Dec. 28, 16.5.

107 (*909, p. 193; 939, p. 155; 947, p. 165). L. S. Lane. Center of lot 14, blk. 1, McCampbell subdivision, 2.5 miles northwest of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 7, 4.8; Dec. 27, 3.1.

119 (*909, p. 193; 939, p. 155; 947, p. 165). R. E. Farley. No measurements made in 1945.

129 (*909, p. 193; 939, p. 155; 947, p. 165). B. A. Linderman. Center of lot 7, blk. 353, McCampbell subdivision, 0.5 mile northwest of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 8, 10.8; Dec. 27, 8.9.

140 (*909, p. 193; 939, p. 155; 947, p. 165). Bruce Hannah. NW corner lot 11, blk. E, Burton and Danforth subdivision, 3 miles southwest of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 7, 16.88; Dec. 28, 16.51.

144 (*909, p. 193; 939, p. 155; 947, p. 165). Fred McMullen. In lot 16, blk. F, McCampbell subdivision, 3.25 miles southwest of Aransas Pass. Water levels, in feet below land-surface datum, 1945: Nov. 7, 18.55; Dec. 26, 18.5.

Swisher County

2 (*840, p. 491; 845, p. 539; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 165; *989, p. 180; 1019, p. 177). I. Irlbeck. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 63, blk. M8, 3 miles south of Happy. Water level, in feet below land-surface datum, 1945: Feb. 20, 77.7.

3a (*845, p. 539; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 165; *989, p. 180; 1019, p. 177). W. E. Williamson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 111, blk. M8, 1 mile east of Happy, 14 miles north of Tulia. No measurements made in 1945.

16 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 165; *989, p. 181; 1019, p. 177). C. M. Brant. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 117, blk. M8, 8 miles south of Happy. Water level, in feet below land-surface datum, 1945: Feb. 20, 61.2.

36 (*909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 177). Foster Klous. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, blk. W1, 4.5 miles northwest of Tulia. Water level, in feet below land-surface datum, 1945: Feb. 20, 54.2.

38 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196; 947, p. 166; *989, p. 181; 1019, p. 178). J. B. Johnson. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, blk. W1, 3 miles northwest of Tulia. Water level, in feet below land-surface datum, 1945: Feb. 20, 54.7.

50 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156; *939, p. 181; 1019, p. 178). Owner unknown. No measurements made in 1945.

255 (*840, p. 492; 845, p. 540; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178). Charles Inman. NW. corner NE $\frac{1}{4}$ sec. 2, blk. B6, 7.5 miles east of Kress. Water level, in feet below land-surface datum, 1945: Feb. 22, 46.3.

258 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178). B. A. Dubbert. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, blk. M14, 8 miles east of Kress. Water level, in feet below land-surface datum, 1945: Feb. 22, 56.45.

301 (*840, p. 492; 845, p. 540; 836, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178). W. T. Adams. NE. corner NE $\frac{1}{4}$ sec. 10, blk. W1, 1 mile southwest of Tulia. Water level, in feet below land-surface datum, 1945: Feb. 20, 32.9.

302 (*840, p. 492; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178). J. D. Vaughn. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, blk. W1, 1.5 miles southwest of Tulia. Water level, in feet below land-surface datum, 1945: Feb. 20, 64.2.

305 (*840, p. 493; 845, p. 541; 886, p. 749; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178). J. L. Cantrell. NW. corner NE $\frac{1}{4}$ sec. 25, blk. W1, 1.75 miles southeast of Tulia. Water level, in feet below land-surface datum, 1945: Feb. 22, 38.9.

323 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 181; 1019, p. 178). J. L. Guest. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, blk. M13, 6.5 miles south of Tulia. Water level, in feet below land-surface datum, 1945: Feb. 20, 68.6.

332 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 166; *989, p. 182; 1019, p. 178). W. F. Kerr. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, blk. M13, 4 miles north of Kress. Water level, in feet below land-surface datum, 1945: Feb. 20, 65.6.

337 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 196; 939, p. 156; 947, p. 166; *989, p. 182; 1019, p. 173). J. R. Barnhart. No measurements made in 1945.

354 (*840, p. 494; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 166; *989, p. 182; 1019, p. 178). V. A. Beck. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 52, blk. M13, at west edge of Kress. Water level, in feet below land-surface datum, 1945: Feb. 20, 63.8.

359 (*886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 178). E. E. Formway. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 57, blk. M13, 2.75 miles west of Kress. Water level, in feet below land-surface datum, 1945: Feb. 20, 77.45.

368 (*840, p. 494; 845, p. 540; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 178). L. B. White. About 0.3 mile west of SE. corner sec. 62, blk. M13, on R. F. Hudgins survey, 2.75 miles south of Kress. Water level, in feet below land-surface datum, 1945: Feb. 20, 81.00.

370 (*840, p. 494; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 178). Texas Land & Development Co. About 0.33 mile east of SE. corner sec. 62, blk. M13, on R. F. Hudgins survey, 2.7 miles south of Kress. Water level, in feet below land-surface datum, 1945: Feb. 20, 80.0.

380 (*840, p. 494; 845, p. 542; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 179). Joe Bontke. 5 miles east of Kress. Water level, in feet below land-surface datum, 1945: Feb. 22, 56.05.

383 (*840, p. 495; 845, p. 542; 886, p. 750; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 179). Texas Land & Development Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 54, blk. M14, 4.5 miles southeast of Kress. Location published incorrectly in Water-Supply Paper 1019. Water level, in feet below land-surface datum, 1945: Feb. 22, 76.3.

421 (*947, p. 167; *989, p. 182; 1019, p. 179). A. U. Perryman. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, blk. K3, 19.5 miles southwest of Tulia. Water level, in feet below land-surface datum, 1945: Feb. 20, 61.3.

429 (*886, p. 751; 909, p. 197; 939, p. 157; 947, p. 167; *989, p. 182; 1019, p. 179). Clifton Reed. NW. corner strip sec. 66, J. A. Ward survey, 5.5 miles west of Kress. Water level, in feet below land-surface datum, 1945: Feb. 20, 97.90.

Terry County

2 (*840, p. 495; 845, p. 542; 886, p. 751; 909, p. 197; *989, p. 183; 1019, p. 179). J. P. Cox. SW. corner SW $\frac{1}{4}$ sec. 46, blk. DD, John H. Gibson survey, 4.35 miles southwest of Wellman. No measurements made in 1945.

7a (*909, p. 198; 939, p. 157; 947, p. 167; *989, p. 183; 1019, p. 179). L. Hulise. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 143, blk. T. D. & W. R. R. Co., 0.7 mile east of Lahey post office and 0.8 mile south. No measurements made in 1945.

14 (*840, p. 496; 845, p. 542; 886, p. 751; 909, p. 198; *989, p. 183; 1019, p. 179). J. S. Smith. No measurements made in 1945.

16 (*840, p. 496; 845, p. 542; 886, p. 751; 909, p. 198; 939, p. 157; 947, p. 167; *989, p. 183; 1019, p. 179). Baptist Church. Formerly owned by Challis Public School. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 64, blk. 4X, 5.35 miles southwest of railroad depot at Meadow. No measurements made in 1945.

17a (*845, p. 542; 886, p. 751; 909, p. 198; *989, p. 183; 1019, p. 179). Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, blk. 4X, 2 miles southwest of Meadow. No measurements made in 1945.

21a (*909, p. 198; 939, p. 158; 947, p. 167; *989, p. 183; 1019, p. 179). Mr. Crump. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, blk. 4X, about 0.4 mile west of U. S. Highway 62, 1 mile north of Meadow. No measurements made in 1945.

Travis County

256 (*947, p. 168; *989, p. 183; 1019, p. 179). Mr. Robinson. 11.75 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 73.9.

261 (*939, p. 158; 947, p. 168; *989, p. 183; 1019, p. 179). H. C. Warren. 13 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 211.13.

266 (*939, p. 158; 947, p. 168; *989, p. 183; 1019, p. 179). J. D. Dillingham. 11.75 miles north of State Capitol, in Austin. 1.9 miles east of McNeil. Water level, in feet below land-surface datum, 1945: May 26, 157.06.

280 (*947, p. 168; *989, p. 183; 1019, p. 179). Travis County. 9.5 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 8.53.

283 (#939, p. 158; 947, p. 168; #989, p. 183; 1019, p. 179). E. H. Gault. 9 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 92.7.

284 (#939, p. 158; 947, p. 168; #989, p. 183; 1019, p. 180). Robinson Bros. 8.5 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 132.9.

318 (#947, p. 168; #989, p. 184; 1019, p. 180). R. R. Sansom. 7.5 miles northeast of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 102.72.

322 (#939, p. 158; #989, p. 184; 1019, p. 180). John Teagle. 5.5 miles northeast of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 124.65.

323 (#939, p. 158; 947, p. 168; #989, p. 184; 1019, p. 180). Fred Parsons. 5.75 miles northeast of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 70.0.

327 (#939, p. 158; 947, p. 168; #989, p. 184; 1019, p. 180). Walling Estate. 4.5 miles northeast of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 132.14.

328 (#939, p. 158; 947, p. 169; #989, p. 184; 1019, p. 180). Walling Estate. About 100 feet south of well 327. Water level in feet below land-surface datum, 1945: May 25, 15.56.

331 (#947, p. 169; #989, p. 184; 1019, p. 180). J. C. Campbell, Jr. 3.75 miles northeast of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 71.76.

343 (#947, p. 169; #989, p. 184; 1019, p. 180). Travis County Water District No. 2. 4.75 miles northeast of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 25, 104.39.

392 (#947, p. 169; #989, p. 184; 1019, p. 180). Tom Williams. 7.5 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 28, 9.94.

400 (#947, p. 169; #989, p. 184; 1019, p. 180). Mrs. S. D. Williams. 8.5 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 28, 33.40.

414 (#947, p. 169; #989, p. 184; 1019, p. 180). J. R. McElroy. 10.75 miles north of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 28, 38.71.

460 (#947, p. 169; #989, p. 184; 1019, p. 180). Rosa Dellanna. 2 miles southwest of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 24, 76.17.

483 (#947, p. 169; #989, p. 184; 1019, p. 180). S. N. Allred. 5 miles southwest of State Capitol, in Austin.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	225.42	May 2	209.61	Sept. 3	229.95	Nov. 4	234.19
Mar. 30	215.56	July 28	223.98	30	233.01	Dec. 5	256.74

502 (#840, p. 496; 845, p. 543; 886, p. 751; 909, p. 198; 939, p. 158; 947, p. 169; #989, p. 184; 1019, p. 180). H. S. Lawson heirs. 6.5 miles south of State Capitol, in Austin.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.29	Mar. 30	0.68	May 28	3.31	Sept. 3	8.44
Feb. 4	3.48	May 2	.80	July 29	6.42		

504 (*840, p. 496; 845, p. 543; 886, p. 751; 909, p. 198; 939, p. 159; 947, p. 169; *989, p. 185; 1019, p. 180). R. B. Gault. 10.4 miles south of Austin.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	21.05	Mar. 30	21.16	May 28	21.16	Sept. 3	21.14
Feb. 4	21.09	May 2	21.15	July 29	23.10		

508 (*840, p. 497; 845, p. 543; 886, p. 751; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181). Barge Renée. 8.3 miles southwest of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 24, 222.07.

509 (*840, p. 497; 845, p. 543; 886, p. 751; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 180). Erlene Patton. 9.4 miles west of State Capitol, in Austin.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	34.77	May 2	34.86	Sept. 3	35.60	Nov. 4	35.44
Feb. 4	35.67	28	35.48	30	35.32	Dec. 5	34.86
Mar. 30	35.13	July 27	35.57				

527 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181). Sarah Moore. About 100 yards south of Cedar Valley post office.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	3.25	May 2	3.24	Sept. 3	5.88	Nov. 4	5.04
Feb. 4	3.77	28	3.83	30	6.09	Dec. 5	2.60
Mar. 30	3.59	July 27	5.11				

616 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181). J. R. Moore. 14.6 miles west of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 24, 128.39.

618 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159; 947, p. 170; *989, p. 185; 1019, p. 181). Homer Heep. About 50 feet east of U. S. Highway 81, 1 mile north of Travis-Rays county line.

Water level, in feet below land-surface datum, 1945							
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	13.42	May 2	13.32	Sept. 3	24.01	Nov. 4	24.28
Feb. 4	12.00	28	15.51	30	26.17	Dec. 5	21.78
Mar. 30	13.26	July 29	22.13				

687 (*947, p. 170; *989, p. 186; 1019, p. 181). Mrs. Elizabeth Gentsch. 5 miles southwest of State Capitol, in Austin. Water level, in feet below land-surface datum, 1945: May 22, 153.23.

858 (*947, p. 170; *989, p. 186; 1019, p. 181). B. R. Payton. 6.5 miles northwest of Manor. Water level, in feet below land-surface datum, 1945: May 25, 36.97.

860 (*947, p. 170; *989, p. 186; 1019, p. 181). Mrs. B. Hamann. 6.5 miles northwest of Manor. Water level, in feet below land-surface datum: 1945: May 25, 83.12.

884 (*947, p. 170; *989, p. 186; 1019, p. 182). H. A. Townsley. 7.5 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1945: May 22, 138.20.

885 (*947, p. 171; *989, p. 186; 1019, p. 182). F. B. Polk. 7.25 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1945: May 28, 100.99.

890 (*947, p. 171; *989, p. 186; 1019, p. 182). Russell C. Faulkner. 5.75 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1945: May 22, 11.26.

892 (*947, p. 171; *989, p. 186; 1019, p. 182). Russell C. Faulkner. 5.75 miles northwest of Creedmoor. Water level, in feet below land-surface datum, 1945: May 22, 52.36.

895 (*947, p. 171; *989, p. 186; 1019, p. 182). Joe C. Carrington. 5 miles northwest of Creedmoor.

Water level, in feet below land-surface datum, 1945

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	49.50	May 2	24.71	Sept. 3	34.19	Nov. 4	46.02
Feb. 4	38.60	28	25.31	30	40.72	Dec. 5	50.45
Mar. 30	27.33	July 29	27.89				

Uvalde County

H-2-4 (*678, p. 102, 128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 199; 939, p. 159; 947, p. 171; *989, p. 177; 1019, p. 182). H. I. Holmes. 13.7 miles north of Uvalde. Water level, in feet below land-surface datum, 1945: June 6, 132.43.

H-2-5 (*678, p. 102, 128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 159; 947, p. 171; *989, p. 187; 1019, p. 182). Mrs. W. E. Fitzgerald. 18 miles north of Uvalde. Water level, in feet below land-surface datum, 1945: June 6, 52.29.

H-4-6 (*678, p. 104, 128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 159; 947, p. 171; *989, p. 187; 1019, p. 182). Briscoe, Fenley & Spangler. 4.5 miles west-northwest of Uvalde. Water level, in feet below land-surface datum, 1945: June 6, 68.65.

H-4-28 (*678, p. 104, 129; 840, p. 499; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 160; 947, p. 172; *989, p. 187; 1019, p. 182). J. R. Ingram. 7.2 miles west of Uvalde. Water level, in feet below land-surface datum, 1945: June 5, 21.94.

H-4-34 (*909, p. 200; 939, p. 160; 947, p. 172; *989, p. 187; 1019, p. 182). John Rosenow. 13.5 miles northwest of Uvalde. Water level, in feet below land-surface datum, 1945: June 5, 170.56.

H-4-35 (*909, p. 200; 939, p. 160; 947, p. 172; *989, p. 187; 1019, p. 182). John Rosenow. 16 miles northwest of Uvalde. Water level, in feet below land-surface datum, 1945: June 5, 73.63.

H-5-1 (*678, p. 106; 840, p. 499; 845, p. 549; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 172; *989, p. 187; 1019, p. 182). City of Uvalde. No measurements made in 1945.

H-5-22 (*678, p. 108, 128; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). Jack Dean. 2 miles north of Uvalde. Water level, in feet below land-surface datum, 1945: June 6, 62.51.

H-5-26 (*678, p. 108, 130; 840, p. 499; 845, p. 546; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). George Kennedy. No measurements made in 1945.

H-5-39 (*678, p. 108, 130; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). Wm. Galloway. 2.5 miles east-northeast of Uvalde. Water level, in feet below land-surface datum, 1945: June 6, 81.13.

H-5-51 (*678, p. 110, 130; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). O. T. Caldwell. 2.5 miles south-southwest of Uvalde. Water level, in feet below land-surface datum, 1945: June 6, 39.06.

H-6-1 (*678, p. 112, 131; 840, p. 500; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). Ashby & Chinn. 9.2 miles east-northeast of Uvalde. Water level, in feet below land-surface datum, 1945: June 7, 91.78.

H-6-8 (*678, p. 112, 131; 840, p. 500; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). K. K. Woodley. 1.5 miles east of Knippa. Water level, in feet below land-surface datum, 1945: June 4, 70.25.

H-6-10 (*678, p. 112, 131; 840, p. 500; 845, p. 546; 886, p. 754; 909, p. 202; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). Herbert Stephens. No measurements made in 1945.

H-6-16 (*678, p. 114, 131; 840, p. 500; 845, p. 546; 909, p. 202; 939, p. 160; 947, p. 173; *989, p. 188; 1019, p. 183). Cecil Reagan. No measurements made in 1945.

XU-9 (*840, p. 501; 845, p. 546; 886, p. 754; 909, p. 202; 939, p. 160; 947, p. 174; *989, p. 188; 1019, p. 184). Frank Kirchgraber. 16.5 miles west of Uvalde. Water level, in feet below land-surface datum, 1945: June 6, 61.55.

XU-10 (*840, p. 501; 845, p. 546; 886, p. 754; 909, p. 202; 939, p. 160; 947, p. 174; *989, p. 188; 1019, p. 184). Texas & New Orleans Railroad Co. At Cline. Water level, in feet below land-surface datum, 1945: June 5, 45.66.

Val Verde County

XV-2 (*840, p. 501; 845, p. 547; 886, p. 754; 909, p. 202; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184). Otto Koog. No measurements made in 1945.

XV-3 (*840, p. 501; 845, p. 547; 886, p. 754; 909, p. 203; 939, p. 161; 947, p. 174; 989, p. 189; 1019, p. 184). Patricio Confreres. 1.5 miles east of Del Rio. Water level, in feet below land-surface datum, 1945: June 5, 41.60.

Waller County

117 (*840, p. 502; 845, p. 547; 886, p. 755; *889-C, p. 258; 909, p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184). Mrs. H. L. Milan. Near railroad station at Prairie View. Water levels, in feet below land-surface datum, 1945: Jan. 25, 2.02; Mar. 15, 2.03; June 26, dry.

128 (*889-C, p. 258; 909, p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184). H and T. C. Railroad. At Prairie View railroad station. Water levels, in feet below land-surface datum, 1945: Jan. 25, 39.31; Mar. 15, 38.87; measurements discontinued after Mar. 15.

152 (*840, p. 502; 845, p. 548; 886, p. 755; *889-C, p. 258; 909, p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184). Mr. Meyers. 1.5 miles east of Prairie View railroad station. Water levels, in feet below land-surface datum, 1945: Jan. 25, 2.18; Mar. 15, 2.60.

154 (*840, p. 502; 845, p. 548; 886, p. 755; *889-C, p. 258; 909, p. 203; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184). W. D. Weaver. About 0.6 mile west of Waller. Water levels, in feet below land-surface datum, 1945: Jan. 25, 13.39; Mar. 15, 10.91; June 26, 11.11.

223 (*889-C, p. 258; 909, p. 204; 939, p. 161; 947, p. 174; *989, p. 189; 1019, p. 184). T. B. Tucker. 6.75 miles northwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 61.40; Nov. 6, 65.18.

225 (*889-C, p. 259; *989, p. 189; 1019, p. 184). Owner's well 2. L. E. Morrison. 6 miles northwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 67.29; Nov. 6, 78.34.

235 (*889-C, p. 259; *909, p. 204; 939, p. 162; 947, p. 174; *989, p. 189; 1019, p. 184). John Cope. 2 miles west of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 60.95; Nov. 1, 61.12.

239 (*889-C, p. 259; *989, p. 189; 1019, p. 184). Lyn Hebert. 12 miles northwest of Katy. Water level, in feet below land-surface datum, 1945: Mar. 16, 60.40.

240 (*889-C, p. 259; *989, p. 190; 1019, p. 184). Owner's well 3. B. Ray Woods. 6 miles west of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 59.80; Nov. 5, 61.30.

242 (*889-C, p. 260; *989, p. 190; 1019, p. 184). Robichaux & Thompson. 8 miles northwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 62.70; Nov. 5, 64.45.

245 (*889-C, p. 260; *989, p. 190; 1019, p. 184). Owner's well 2. G. P. Nelson. 10 miles northwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 16, 61.40; Nov. 5, 69.77.

246 (*889-C, p. 260; *989, p. 190; 1019, p. 185). Owner's well 2. A. E. Thompson. 8.5 miles northwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 55.18; Nov. 6, 60.87.

247 (*889-C, p. 260; *909, p. 204; 939, p. 163; 947, p. 174; *989, p. 190; 1019, p. 185). Owner's well 5. T. B. Tucker. 6.5 miles northwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 62.73; Nov. 6, 66.20.

252 (*889-C, p. 261; *989, p. 190; 1019, p. 185). J. A. Kimball. 2.25 miles northwest of Katy. Water levels, in feet below land-surface datum, 1945: Mar. 17, 63.07; Nov. 5, 66.46.

Wharton County

1 (*947, p. 178; *989, p. 190; 1019, p. 185). Otto Mickelson. 11 miles west of Hahn. Water level, in feet below land-surface datum, 1945: Apr. 23, 37.62.

8 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 174; 947, p. 178; *989, p. 190; 1019, p. 185). J. W. Wyer. About 0.7 mile west of Round Mott school, 6 miles southwest of Hahn. Water level, in feet below land-surface datum, 1945: Apr. 23, 37.65.

31 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). Tom Thomas. 6.5 miles north of Louise. Water level, in feet below land-surface datum, 1945: Apr. 24, 26.57.

32 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). Harfst Bros. About 0.7 mile south of Cobbler Creek school, 4 miles south of Hahn. Water level, in feet below land-surface datum, 1945: Apr. 23, 31.11.

33 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). Harfst Bros. No measurements made in 1945.

57 (*939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). W. A. Harrison. 3.25 miles north of Glen Flora. Water level, in feet below land-surface datum, 1945: Apr. 27, 14.64.

66 (*939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). J. J. Pendegrass. 2.5 miles west of Bonus. Water level, in feet below land-surface datum, 1945: Apr. 28, 22.14.

70a (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). J. J. Vacek. 3.2 miles west of East Bernard. Water level, in feet below land-surface datum, 1945: Apr. 28, 7.40.

70b (*840, p. 503; 845, p. 548; 886, p. 775; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). J. J. Vacek. About 275 feet south of well 70a. Water level, in feet below land-surface datum, 1945: Apr. 28, 7.76.

81 (*939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). Wm. J. Corman. In Lissie. Water level, in feet below land-surface datum, 1945: Apr. 28, 22.70.

84 (*947, p. 178; *989, p. 191; 1019, p. 185). Fred Fotjek. 5 miles west of East Bernard. Water level, in feet below land-surface datum, 1945: Apr. 28, 18.92.

96 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175; 947, p. 178; *989, p. 191; 1019, p. 185). Frank Bucek. 8 miles north of Wharton. Water level, in feet below land-surface datum, 1945: Apr. 27, 21.57.

108 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 185). City of Wharton. In Wharton. Water level, in feet below land-surface datum, 1945: Apr. 27, 21.36.

109 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 185). City of Wharton. In Wharton. Water level, in feet below land-surface datum, 1945: Apr. 27, 27.41.

139. El Campo Rice Mills. In El Campo. Used drilled industrial well, diameter 6 inches, depth 95 feet. Measuring point, top of concrete block, 8.7 feet below land surface. Equipped with cylinder pump and steam engine.

Water level, in feet below land-surface datum, 1934, 1942-45

Date	Water level	Date	Water level	Date	Water level
Mar. 22, 1934	29.55	Apr. 25, 1943	26.79	Apr. 18, 1945	26.13
Apr. 4, 1942	26.98	2, 1944	26.55		

148 (*947, p. 179; *989, p. 191; 1019, p. 186). Central Power & Light Co. In El Campo. Water level, in feet below land-surface datum, 1945: Apr. 19, 36.61.

165 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 186). H. P. Stockton. 1.4 miles northwest of Louise. Water level, in feet below land-surface datum, 1945: Apr. 24, 22.78.

173 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 191; 1019, p. 186). Stoval & Appling. 8.25 miles south of Louise. Water level, in feet below land-surface datum, 1945: Apr. 28, 20.10.

178 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 175; 947, p. 179; *989, p. 192; 1019, p. 186). Adrian Johnson. 8 miles southwest of El Campo. Water level, in feet below land-surface datum, 1945: Apr. 19, 18.53.

181 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). T. E. Appling. 7 miles southeast of El Campo. Water level, in feet below land-surface datum, 1945: Apr. 19, 23.85.

186 (*840, p. 204; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). Otto Mickelson. 2.5 miles north of Danevang. Water level, in feet below land-surface datum, 1945: Apr. 19, 25.85.

200 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). J. L. Myatt. 4.5 miles west of Danevang. Water level, in feet below land-surface datum, 1945: Apr. 19, 20.55.

209 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). J. C. Allen. 7 miles southeast of El Campo. Water level, in feet below land-surface datum, 1945: Apr. 19, 11.92.

239 (*840, p. 504; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; 989, p. 192; *1019, p. 186). Gulf, Colorado & Santa Fe Railway Co. 2.5 miles southeast of Boling. Water level, in feet below land-surface datum, 1945: Apr. 27, 19.32.

241 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). Texas Gulf Sulphur Co. At New Gulf, 400 feet northeast of timekeepers office. Water level, in feet below land-surface datum, 1945: Apr. 27, 29.15.

243 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). Texas Gulf Sulphur Co. No measurements made in 1945.

Williamson County

342 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). J. F. McCann Estate. 4.75 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1945: May 25, 39.54.

344 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). Victor Robertson. 4.75 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1945: May 25, 94.68.

346 (*939, p. 176; 947, p. 179; *989, p. 192; 1019, p. 186). Jack Gillam. 4.25 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1945: May 25, 113.72.

348 (*939, p. 176; *989, p. 192; 1019, p. 186). Claude DeDear. No measurements made in 1945.

350 (*989, p. 192; 1019, p. 186). H. M. Weir. No measurements made in 1945.

351 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 186). Fred Montgomery. 2.5 miles southwest of Georgetown. Water level, in feet below land-surface datum, 1945: May 25, 109.98.

353 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 186). Walter Thwing. 2.25 miles south of Georgetown. Water level, in feet below land-surface datum, 1945: May 25, 105.25.

418 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 187). Eubanks Estate. 1.5 miles south of Georgetown. Water level, in feet below land-surface datum, 1945: May 25, 77.21.

420 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 187). Mrs. Juanita Fleeger. About 0.75 mile southwest of Georgetown. Water level, in feet below land-surface datum, 1945: May 25, 78.01.

889 (*947, p. 180; *989, p. 193; 1019, p. 187). Bankers Life Insurance Co. 2.5 miles west of Round Rock. Water level, in feet below land-surface datum, 1945: May 25, 75.98.

922 (*939, p. 176; 947, p. 180; *989, p. 193; 1019, p. 187). R. R. Stolley. 1.25 miles south of Round Rock. Water level, in feet below land-surface datum, 1945: May 25, 122.23.

929 (*939, p. 176; 947, p. 180; 1019, p. 187). Mrs. J. L. Frisk. 2.5 miles south of Round Rock. Water level, in feet below land-surface datum, 1945: May 25, 155.62.

Zavala County

H7-13 (*777, p. 217; 840, p. 504; 845, p. 549; 909, p. 205; 939, p. 177; *989, p. 193; 1019, p. 187). Roy Cornett. No measurements made in 1945.

H7-20 (*777, p. 217; 840, p. 504; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187). W. A. Butler. 5.5 miles north of La Pryor. Water level, in feet below land-surface datum, 1945: July 21, 75.88.

M6-9 (*777, p. 218; 840, p. 504; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187). Plumly Ranch. 8.5 miles northwest of Cometa. Water level, in feet below land-surface datum, 1945: July 23, 58.87.

M6-10 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187). W. M. Van Cleve. 7.5 miles northwest of Cometa. Water level, in feet below land-surface datum, 1945: July 23, 79.28.

M6-16 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 947, p. 180; *989, p. 193; 1019, p. 187). J. S. Steward. 6 miles northwest of Cometa. Water level, in feet below land-surface datum, 1945: July 23, 46.82.

M6-18 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187). N. E. Ware. 4 miles northeast of Cometa. Water level, in feet below land-surface datum, 1945: July 23, 44.44.

M6-19 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 193; 1019, p. 187). L. D. Van Cleve. 3 miles northwest of Cometa. Water level, in feet below land-surface datum, 1945: July 23, 62.41.

M9-1 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 180; *989, p. 194; 1019, p. 187). T. B. Mear. In Cometa. Water level, in feet below land-surface datum, 1945: July 23, 75.49.

N1-24 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 181; *989, p. 194; 1019, p. 187). J. C. Williams. 2.5 miles northwest of La Pryor. Water level, in feet below land-surface datum, 1945: July 21, 133.58.

N1-40 (*777, p. 220; 840, p. 504; 845, p. 550; 909, p. 206; 939, p. 177; 947, p. 181; *989, p. 194; 1019, p. 188). I. T. Fryor. No measurements made in 1945.

N5-39 (*777, p. 221; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177; 947, p. 181; *989, p. 194; 1019, p. 188). C. R. Jarrett. 2 miles northeast of Crystal City. Water level, in feet below land-surface datum, 1945: July 21, 77.89.

N5-40 (*777, p. 221; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; 947, p. 181; *989, p. 194; 1019, p. 188). C. R. Jarrett. 2.5 miles east of Crystal City. Water level, in feet below land-surface datum, 1945: July 21, 74.11.

N5-55 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; 947, p. 181; *989, p. 194; 1019, p. 188). Cribbs & Davidson. 2.5 miles east of Crystal City. Water level, in feet below land-surface datum, 1945: July 21, 80.28.

N5-60 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; *989, p. 194; 1019, p. 188). E. L. Reedy. No measurements made in 1945.

N8-7 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 178; 947, p. 181; *989, p. 194; 1019, p. 188). Dr. Walter Biedelsbach. 3 miles southeast of Crystal City. Water level, in feet below land-surface datum, 1945: July 21, 75.42.

