# JANUARY 1988 WATER LEVELS, AND DATA RELATED TO WATER-LEVEL CHANGES, WESTERN AND SOUTH-CENTRAL KANSAS

By B. J. Pabst

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U.S. GEOLOGICAL SURVEY

Open-File Report 88-342

Prepared in cooperation with the
KANSAS STATE BOARD OF AGRICULTURE
and the KANSAS GEOLOGICAL SURVEY


Lawrence, Kansas

1988

DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

U.S. GEOLOGICAL SURVEY

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U.S. Geological Survey
Box 25425, Federal Center
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Denver, Colorado 80225

# CONTENTS

## CONTENTS--Continued

**Table** **Page**



## CONVERSION TABLE

For interested readers, the inch-pound units used in this report can be converted to metric units (International System) using the following factors:

| *Multiply inch-pound unit* | *By* | *To obtain metric unit* |
|---|---|---|
| foot | 0.3048 | meter |
| mile | 1.609 | kilometer |
| acre | 4,047 | square meter |

*Sea level*: In this report, sea level refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Mean Sea Level."

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## INTRODUCTION

This report provides hydrologic data related to water-level measurements made in about 1,360 observation wells in western and south-central Kansas during January and February 1988. There are about 1,460 wells in a monitoring network that is measured annually by personnel from the Kansas State Board of Agriculture and the U.S. Geological Survey. State-agency support for this cooperative effort is provided by the Kansas Geological Survey.

Water-level measurements are made in midwinter of each year to minimize the effect of seasonal pumping for irrigation. However, a few water-level measurements that are made in midwinter of some years may reflect either the effects of recent pumping from the observation well or from nearby wells or the effects of barometric-pressure changes. Thus, a significant change in water levels for a particular well during a 1-year period may represent only a temporary condition, and any indication of a developing trend should be based on a comparison of changes that occur over a period of several years

## HYDROLOGIC DATA

Hydrologic data in this report relate water-level changes to: (1) a "base year" (predevelopment year), (2) a reference year of abnormally large amounts of rainfall and minimum pumpage (1966 or 1974), and (3) each of 7 consecutive years of measurement (1982-88). The "base year" is designated as 1940 for the southwestern area, 1944 for the south-central area, and 1950 for the northwestern, west-central and *Equus* beds areas (fig. 1). Water levels for the "base year" are established by measurements made during that year and by interpretation of maps showing water-level altitudes. Depths to bedrock, used in computing saturated thickness of water-bearing deposits, are based on driller's logs, reported depths of wells, and interpretations of maps showing the altitude of the bedrock surface.

Tables in the report show: (1) well number; (2) principal geologic unit; (3) land-surface altitude of well; (4) depth to bedrock; (5) depths to water during the base years of either 1940, 1944, or 1950 (predevelopment years), during the reference years of either 1966 or 1974, and during each year from 1982 through 1988; and (6) water-level changes from the base year and the reference year to 1988, and from 1987-88; (7) mean annual water-level changes from the base year and reference year to 1988. Also shown are saturated thicknesses of the water-bearing deposits during the base year and during 1988, as well as percentage changes in saturated thickness from the base year to 1988.

County maps in this report show the location and 1987-88 water-level changes at observation wells as listed in the tables. A minus (-) sign preceding the number indicates a water-level decline; no sign preceding the number indicates a water-level increase; no number indicates that the well was not measured in either 1987 or 1988 or both. To assist in describing water-level changes in the High Plains and alluvial aquifers, location and water-level changes for observation wells screened in Cretaceous and Jurassic formations (KD, KJ, KN, and KU) are listed in the tables but are not noted on the maps.

Letter designations for the geologic units shown in the tables are: KD, Cretaceous Dakota Formation; KJ, undifferentiated Lower Cretaceous and Upper Jurassic rocks; KN, Cretaceous Niobrara Chalk; KU, undifferentiated Lower Cretaceous rocks; TO, Tertiary Ogallala Formation; QA, Quaternary alluvium; and QU, undifferentiated Quaternary deposits.

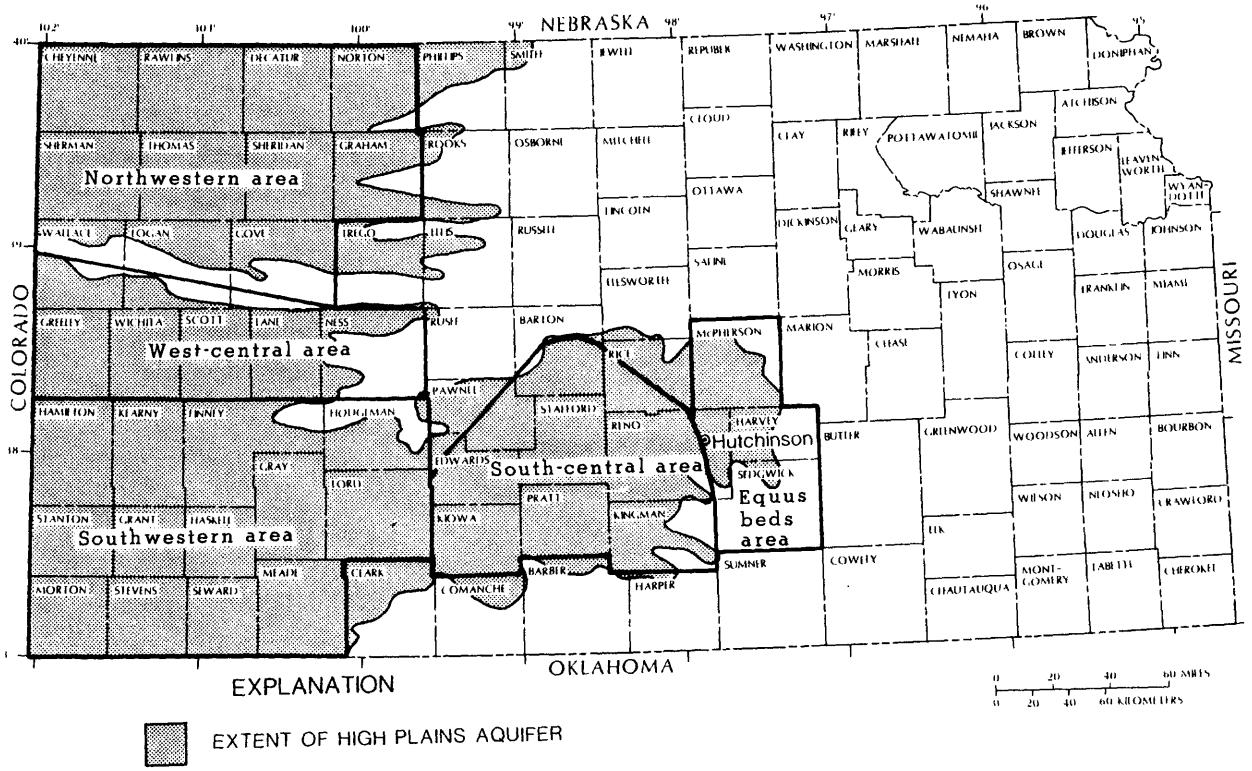



**Figure 1.** Location of water-level reporting areas in Kansas.

Wells in this report are numbered according to a modification of the U.S. Bureau of Land Management's system of land subdivision. In this system, the first set of digits of a well number indicates the township south (S) of the Kansas-Nebraska state line; the second set, the range east (E) or west (W) of the sixth principal meridian; and the third set, the section in which the well is situated. The first letter following the section number denotes the quarter section or 160-acre tract within the section; the second, the quarter-quarter section or 40-acre tract; the third, the quarter-quarter-quarter section or 10-acre tract; and the fourth, the quarter-quarter-quarter-quarter section or 2.5-acre tract. The letters are designated A, B, C, and D in a counterclockwise direction beginning in the northeast quadrant. Because there may be more than one well in a 10-acre tract, consecutive numbers, beginning with "01," are added in the order in which data from the wells were collected. Thus, in Greeley County, the number 18S 39W 07BBD 01 indicates that the well is in the SE1/4 NW1/4 NW1/4 sec. 7, T. 18 S., R. 39 W. (fig. 2).

## WATER-LEVEL CHANGES

As an indicator of water-level trends, mean water-level changes for the five reporting areas (fig. 1) were computed for various time intervals. These mean changes were computed only from the wells measured for the given time interval and do not represent an area-weighted mean of water-level changes. In northwestern Kansas, the mean water level rose 0.1 foot during 1987, and the mean water level declined 0.1 foot during 1986. The mean annual water-level decline was 0.6 foot for the 22-year period from 1966-87. In west-central Kansas, the mean water level decreased 0.7 foot during 1987 and decreased 0.5 foot during 1986. For 1966-87, the mean annual water-level decline was 1.3 feet. In southwestern Kansas, the mean water-level

decline was 0.7 foot during 1987 and 1.3 feet during 1986. The mean annual decline was 1.8 feet during 1966-87. In south-central Kansas, the mean water level increased 0.9 foot during 1987 compared to a 0.1-foot decline during 1986. The mean annual decline was 0.2 foot during 1974-87. For the *Equus* beds area, (the area of the High Plains aquifer east of Hutchinson), the mean water level increased 0.3 foot during 1987 compared to a mean decrease of 0.2 foot during 1986. The mean water level decreased 0.1 foot during 1987 throughout western and south-central Kansas compared to a 0.6-foot mean decline during 1986.

## PUBLICATIONS CONTAINING GROUND-WATER-LEVEL DATA FOR KANSAS

Records of ground-water-level data for Kansas were published in U.S. Geological Survey Water-Supply Papers for 1935-74. These Water-Supply Papers are as follows:

| Year | Water-Supply Paper number* | Year | Water-Supply Paper number* |
|---|---|---|---|
| 1935 | 777 | 1948 | 1128 |
| 1936 | 817 | 1949 | 1158 |
| 1937 | 840 | 1950 | 1167 |
| 1938 | 845 | 1951 | 1193 |
| 1939 | 886 | 1952 | 1223 |
| 1940 | 908 | 1953 | 1267 |
| 1941 | 938 | 1954 | 1323 |
| 1942 | 946 | 1955 | 1406 |
| 1943 | 988 | 1956 | 1456 |
| 1944 | 1018 | 1957-61 | 1781 |
| 1945 | 1025 | 1962-66 | 1976 |
| 1946 | 1073 | 1967-71 | 2090 |
| 1947 | 1098 | 1972-74 | 2163 |

* May be purchased from the U.S. Geological Survey, Books and Open-File Reports, Federal Center, Denver, CO 80225.

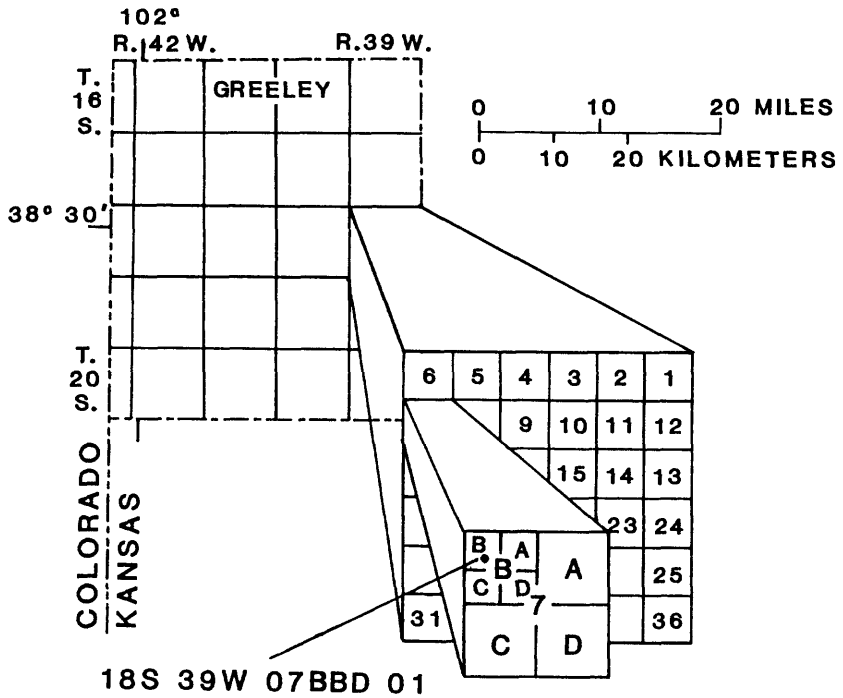



Figure 2. Well-numbering system.

A series of annual reports that contain records of water-level measurements made in Kansas during 1956-65 were published in the following Kansas Geological Survey Bulletins:

| Year | Bulletin number* | Year | Bulletin number* |
|---|---|---|---|
| 1956 | 125 | 1961 | 159 |
| 1957 | 131 | 1962 | 167 |
| 1958 | 141 | 1963 | 173 |
| 1959 | 146 | 1964 | 177 |
| 1960 | 153 | 1965 | 184 |

* May be purchased from the Publications Sales Office, Kansas Geological Survey, University of Kansas, Lawrence, KS 66046.

In addition to the publications listed above, records of annual water-level measurements in Kansas are presented in the following publications:


Broeker, M.E., McIntrye, H.J., Jr., and McNellis, J.M., 1977, Ground-water levels in observation wells in Kansas, 1971-75: Kansas Geological Survey Basic Data Series, Ground-Water Release 6, 526 p.

Broeker, M.E., and McNellis, J.M., 1973, Ground-water levels in observation wells in Kansas, 1966-70: Kansas Geological Survey Basic Data Series, Ground-Water Release 3, 373 p.

Dague, B.J., 1985, January 1985 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 85-423, 162 p.

____1986, January 1986 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 86-317, 165 p.

____1987, January 1987 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 87-241, 161 p.

Pabst, M.E., 1977, January 1977 water levels, and data related to water-level changes since 1950, western Kansas: U.S. Geological Survey Open-File Report 77-264, 209 p.

____1978, January 1978 water levels, and data related to water-level changes since 1940 or 1950, western Kansas: U.S. Geological Survey Open-File Report 78-409, 179 p.

____1979, January 1979 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 79-925, 213 p.

____1980, January 1980 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Hydrologic Data, Open-File Report 80-958, 166 p.

____1981, January 1981 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 81-1001, 168 p.

____1982, January 1982 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 82-649, 167 p.

____1983, January 1983 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 83-762, 164 p.

Pabst, M.E., and Dague, B.J., 1984, January 1984 water levels, and data related to water-level changes, western and south-central Kansas: U.S. Geological Survey Open-File Report 84-613, 162 p.

Pabst, M.E., and Gutentag, E.D., 1977, Water-level changes in west-central Kansas, 1950-77: Kansas Geological Survey Journal, October 1977, 18 p.

____1979, Water-level changes in southwestern Kansas, 1940-78: Kansas Geological Survey Journal, May 1979, 29 p.

Pabst, M.E., and Jenkins, E.D., 1973, Water-level changes in northwestern Kansas, 1950-73: Kansas Geological Survey Journal, October 1973, 14 p.

____1974, Water-level changes in west-central Kansas, 1950-74: Kansas Geological Survey Journal, October 1974, 15 p.

____1976a, Water-level changes in northwestern Kansas, 1950-76: Kansas Geological Survey Journal, December 1976, 20 p.

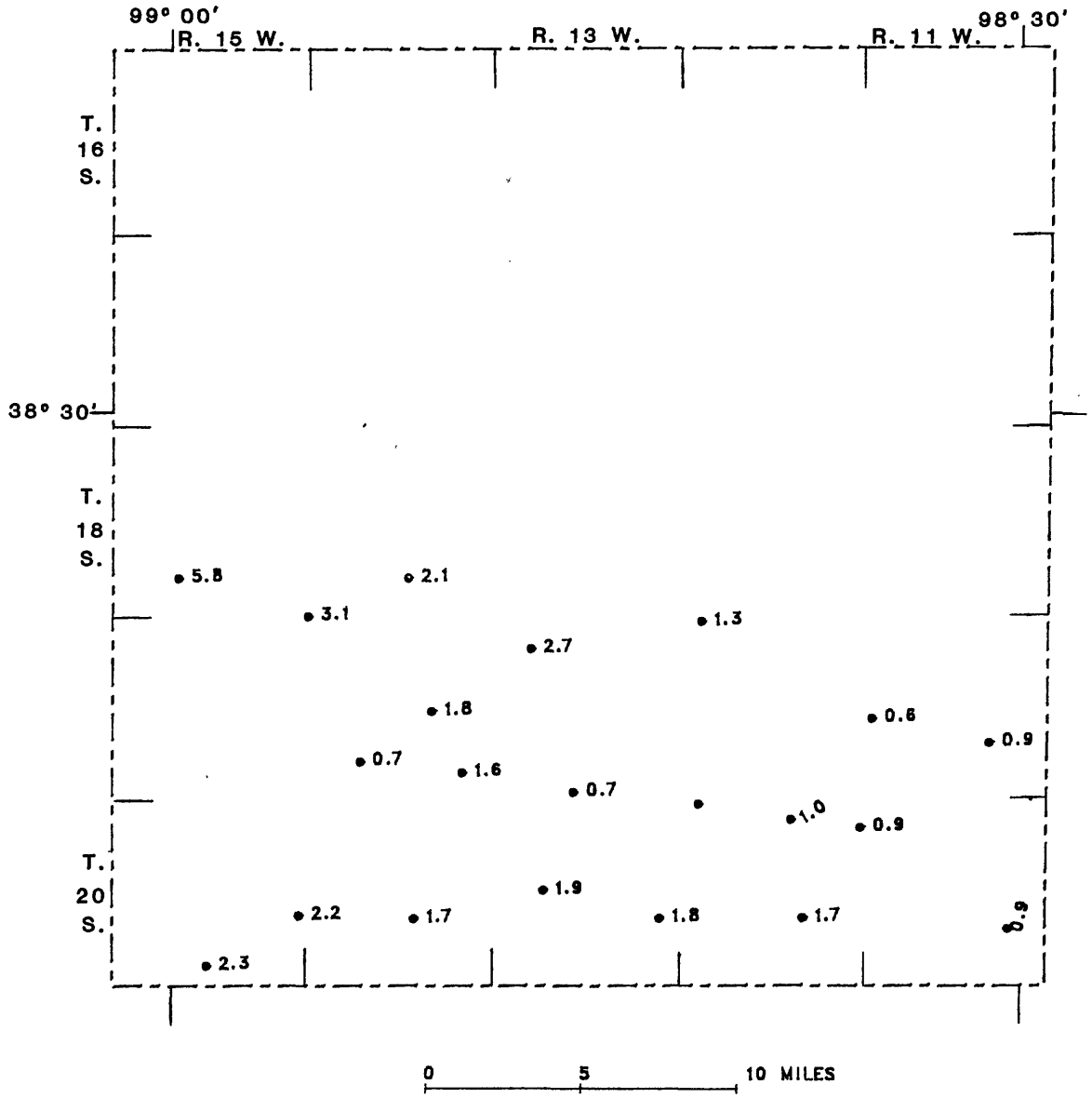
____1976b, Water-level changes in northwestern Kansas, 1940-76: Kansas Geological Survey Journal, May 1976, 26 p.

TABLE 1.-- SELECTED HYDRCLOGIC DATA, BARTON COUNTY

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18S 14W 27CDD 01 | | 1896. | | | | | | | | | 45.2 | 43.1 |
| 18S 15W 28CCC 03 | QA | 1912. | | 9 | | 18.2 | 20.7 | 22.7 | 22.4 | 22.2 | 23.5 | 17.7 |
| 19S 11W 19BDD 01 | | 1791. | | 13 | | | | | 19.6 | 20.4 | 20.4 | 19.8 |
| 19S 11W 26BDA 01 | | 1772. | | 7 | | | | | 13.9 | 12.8 | 13.4 | 12.5 |
| 19S 12W 06ADA 01 | | 1800. | | | | | | | 6.7 | 4.1 | 4.7 | 3.4 |
| 19S 13W 08BAD 01 | | 1855. | | 11 | | 17.8 | 20.4 | 20.4 | 20.6 | 20.4 | 19.9 | 17.2 |
| 19S 13W 33DDB 01 | QA | 1847. | | 4 | 4.4 | 7.9 | 9.8 | 10.6 | 9.6 | 9.0 | 9.5 | 8.8 |
| 19S 14W 06BBB 01 | | 1895. | | 13 | | 16.4 | 19.3 | 20.6 | 21.4 | 20.7 | 20.5 | 17.4 |
| 19S 14W 23BBD 01 | | 1873. | | | | | | | | | 19.5 | 17.7 |
| 19S 14W 29DDB 01 | | 1895. | | 20 | | 26.9 | 27.5 | 28.1 | 28.7 | 29.2 | 29.2 | 28.5 |
| 19S 14W 36BBC 01 | | 1868. | | 8 | | | | | 11.7 | 11.2 | 11.8 | 10.2 |
| 20S 11W 06CCC 01 | QA | 1788. | 138 | 9 | 5.6 | 9.5 | 10.5 | 11.9 | 10.9 | 9.8 | 10.4 | 9.5 |
| 20S 11W 26AAC 01 | QU | 1752. | 112 | 3 | 1.6 | 8.8 | 10.6 | 11.0 | 11.0 | 7.8 | 10.0 | 9.1 |
| 20S 12W 03DAC 01 | | 1799. | 144 | 2 | 1.3 | 6.7 | 7.8 | 8.0 | | 7.0 | 7.6 | 6.6 |
| 20S 12W 06AAC 01 | QU | 1822. | 117 | 7 | 5.1 | 9.0 | 9.8 | 10.0 | 9.6 | 9.2 | 9.8 | |
| 20S 12W 23CCA 01 | QU | 1814. | 159 | 11 | 3.7 | 15.1 | 15.7 | 16.8 | 17.8 | 13.3 | 14.4 | 12.7 |
| 20S 13W 17DDC 01 | QU | 1876. | 126 | 11 | 7.2 | 14.2 | 16.3 | 16.6 | 17.7 | 16.3 | 16.8 | 14.9 |
| 20S 13W 24DCB 01 | QU | 1850. | 140 | 12 | 9.6 | 19.4 | 20.9 | 22.0 | 23.3 | 20.5 | 20.7 | 18.9 |
| 20S 14W 22DCB 01 | | 1897. | 152 | 6 | 6.5 | 11.6 | 13.7 | 14.4 | 15.0 | 14.2 | 14.3 | 12.6 |
| 20S 15W 24DBD 01 | | 1915. | | 10 | | 11.5 | 13.8 | 14.4 | 14.8 | 14.6 | 14.5 | 12.3 |
| 20S 15W 33ADD 01 | | 1945. | | 15 | | | | | 20.3 | 19.9 | 19.9 | 17.6 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, BARTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 18S 14W 27CDD 01 | | 43.1 | | | 2.1 | | | | | |
| 18S 15W 28CCC 03 | QA | 17.7 | -9 | | 5.8 | -.2 | | | | |
| 19S 11W 19BDD 01 | | 19.8 | -7 | | .6 | -.2 | | | | |
| 19S 11W 26BDA 01 | | 12.5 | -6 | | .9 | -.1 | | | | |
| 19S 12W 06ADA 01 | | 3.4 | | | 1.3 | | | | | |
| 19S 13W 08BAD 01 | | 17.2 | -6 | | 2.7 | -.1 | | | | |
| 19S 13W 33DDB 01 | QA | 8.8 | -5 | -4.4 | .7 | -.1 | -.3 | | | |
| 19S 14W 06BBB 01 | | 17.4 | -4 | | 3.1 | -.1 | | | | |
| 19S 14W 23BBD 01 | | 17.7 | | | 1.8 | | | | | |
| 19S 14W 29DDB 01 | | 28.5 | -9 | | .7 | -.2 | | | | |
| 19S 14W 36BBC 01 | | 10.2 | -2 | | 1.6 | | | | | |
| 20S 11W 06CCC 01 | QA | 9.5 | -1 | -3.9 | .9 | | -.3 | 129 | 129 | |
| 20S 11W 26AAC 01 | QU | 9.1 | -6 | -7.5 | .9 | -.1 | -.5 | 109 | 103 | -6 |
| 20S 12W 03DAC 01 | | 6.6 | -5 | -5.3 | 1.0 | -.1 | -.4 | 142 | 137 | -4 |
| 20S 12W 06AAC 01 | QU | | | | | | | | | |
| 20S 12W 23CCA 01 | QU | 12.7 | -2 | -9.0 | 1.7 | | -.6 | 148 | 146 | -1 |
| 20S 13W 17DDC 01 | QU | 14.9 | -4 | -7.7 | 1.9 | -.1 | -.6 | 115 | 111 | -3 |
| 20S 13W 24DCB 01 | QU | 18.9 | -7 | -9.3 | 1.8 | -.2 | -.7 | 128 | 121 | -5 |
| 20S 14W 22DCB 01 | | 12.6 | -7 | -6.1 | 1.7 | -.2 | -.4 | 146 | 139 | -5 |
| 20S 15W 24DBD 01 | | 12.3 | -2 | | 2.2 | | | | | |
| 20S 15W 33ADD 01 | | 17.6 | -3 | | 2.3 | -.1 | | | | |




WATER–LEVEL CHANGE IN BARTON COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, CHEYENNE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01S 38W 02CDC 01 | TO | 3034. | | 23 | 22.6 | 23.6 | 23.6 | 24.3 | 24.1 | 24.1 | 24.2 | 24.0 |
| 01S 38W 08DCC 01 | QA | 3057. | 33 | 12 | 12.3 | 13.3 | 13.3 | 13.9 | 13.9 | 13.4 | 13.6 | 13.8 |
| 01S 38W 30BDC 01 | QA | 3090. | 28 | 7 | 8.0 | 8.6 | 8.5 | 8.8 | 9.1 | 9.1 | 9.6 | 8.9 |
| 01S 39W 25CBC 01 | QA | 3102. | 26 | 7 | 8.5 | 9.8 | 9.3 | 9.6 | 9.7 | 9.5 | 10.2 | 9.5 |
| 02S 37W 33DCC 01 | | 3420. | | | | | | | 215.9 | 212.7 | 213.3 | 213.1 |
| 02S 39W 27BBB 01 | QA | 3235. | 28 | 18 | 17.8 | 16.8 | 18.0 | 17.9 | 17.7 | 17.9 | 18.2 | 18.2 |
| 02S 40W 28DBA 01 | TO | 3452. | | 112 | 112.5 | 112.0 | 110.9 | 112.3 | 112.1 | 116.5 | 115.8 | 111.2 |
| 02S 40W 32BCB 01 | TO | 3492. | | | | | | | 130.6 | 130.5 | 130.4 | 130.4 |
| 02S 41W 27BBD 01 | TO | 3620. | | 200 | 198.6 | | 200.5 | | 207.5 | 200.8 | 207.4 | 200.5 |
| 02S 41W 33DBC 01 | TO | 3650. | | 235 | 235.2 | 237.7 | 236.8 | 236.8 | 238.5 | 236.5 | 236.3 | 236.8 |
| 03S 37W 19BBC 01 | TO | 3468. | | 215 | 219.8 | 229.2 | 229.3 | 230.5 | 228.5 | 229.7 | 230.2 | 230.3 |
| 03S 37W 21DDD 01 | TO | 3422. | 312 | 194 | | 218.7 | 222.7 | 218.5 | | 218.3 | 218.6 | 217.8 |
| 03S 37W 36ADB 01 | TO | 3381. | | 175 | 182.0 | 200.9 | 199.1 | 200.0 | 201.2 | 199.9 | 201.7 | 201.4 |
| 03S 38W 04BCC 01 | TO | 3479. | | | | | | | 230.7 | 217.9 | 217.9 | 217.6 |
| 03S 38W 21BCB 01 | TO | 3512. | | | | | | | 237.0 | 240.1 | 240.1 | 239.7 |
| 03S 38W 25BBB 01 | | 3479. | | | | | | | 226.7 | 227.0 | 227.2 | 227.0 |
| 03S 39W 04CCC 01 | TO | 3351. | | | | | | | 67.5 | 65.6 | 66.4 | 66.8 |
| 03S 39W 20DAC 01 | TO | 3450. | | 130 | 140.4 | 141.2 | 139.3 | 144.1 | 143.2 | 140.2 | 140.2 | 139.4 |
| 03S 39W 24DDD 01 | TO | 3505. | 275 | 205 | | 220.6 | 220.3 | 220.7 | 221.5 | 221.5 | 222.0 | 221.7 |
| 03S 39W 32BDB 01 | TO | 3490. | | 150 | 153.6 | 153.4 | 153.4 | 153.5 | 154.5 | 153.5 | 153.6 | |
| 03S 40W 09BAA 02 | QA,TC | 3358. | 22 | 20 | 19.9 | | 20.1 | 20.6 | 20.4 | 19.9 | 19.9 | 19.8 |
| 03S 40W 35AAC 01 | TO | 3445. | | 95 | 96.1 | 100.6 | 99.5 | 98.8 | 98.5 | 97.9 | 96.6 | 97.8 |
| 03S 41W 33ABB 01 | | 3594. | 184 | 164 | | 164.7 | 164.8 | 165.4 | 164.1 | 163.5 | 165.0 | 162.1 |
| 03S 42W 04AAA 01 | TO | 3727. | 255 | 230 | | 231.2 | 230.8 | 231.0 | 231.0 | 231.3 | 230.9 | 231.0 |
| 03S 42W 26CCD 01 | | 3702. | | | | | | | 206.2 | 205.2 | 205.0 | 205.2 |
| 04S 37W 17AAC 01 | TO | 3446. | | 187 | 187.9 | 196.5 | 195.9 | 195.7 | 196.3 | 197.3 | 197.5 | 197.6 |
| 04S 37W 25DCA 01 | TO | 3374. | | 147 | 141.5 | 151.7 | 151.4 | 151.1 | 151.2 | 151.9 | 151.8 | |
| 04S 38W 04BAC 01 | TO | 3509. | 327 | 207 | 207.0 | 216.5 | 216.6 | 216.9 | 217.7 | 218.6 | 218.9 | 218.7 |
| 04S 38W 20CCC 01 | TO | 3485. | | 151 | 149.5 | 155.9 | 156.2 | 156.6 | 156.9 | 157.0 | 157.2 | 157.3 |
| 04S 38W 21ADC 01 | TO | 3491. | | 178 | 188.0 | 185.1 | 184.3 | 184.8 | 185.1 | 185.4 | 185.9 | 187.6 |
| 04S 40W 22BCB 01 | TO | 3520. | | 123 | 123.9 | 126.7 | 125.2 | 125.0 | 124.9 | 124.6 | 124.3 | 124.3 |
| 04S 41W 16DAA 01 | QA | 3403. | 38 | 13 | 14.2 | 15.4 | 15.0 | 15.3 | 15.2 | 15.5 | 15.6 | 15.7 |
| 04S 41W 23AAA 01 | | 3526. | | | | | | | 121.0 | 120.9 | 120.5 | 120.9 |
| 04S 41W 25BCB 01 | TO | 3571. | | 141 | 139.6 | 142.4 | | | 142.7 | 142.8 | 142.8 | 142.8 |
| 04S 41W 31ACA 01 | TO | 3552. | | 94 | 94.0 | 98.4 | 96.9 | 98.3 | 96.0 | 96.6 | 96.4 | 97.1 |
| 04S 42W 02BCC 01 | | 3704. | | | | | | | 213.4 | 213.1 | 214.6 | 213.6 |
| 04S 42W 16CCD 01 | | 3590. | | | | | | | | 87.4 | 86.2 | 88.9 |
| 05S 37W 15DBB 01 | TO | 3397. | | 137 | 136.4 | 151.1 | 148.5 | 149.3 | 150.1 | 150.1 | 145.7 | 143.9 |
| 05S 38W 13BAD 01 | TO | 3390. | | 74 | 72.5 | 77.8 | 77.9 | 77.7 | 77.9 | 78.1 | 78.7 | 78.0 |
| 05S 38W 22ACB 01 | TO | 3437. | | 90 | 90.6 | 95.6 | 94.4 | 98.1 | 97.7 | 97.7 | 97.8 | 99.9 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, CHEYENNE COUNTY -- CONTINUED

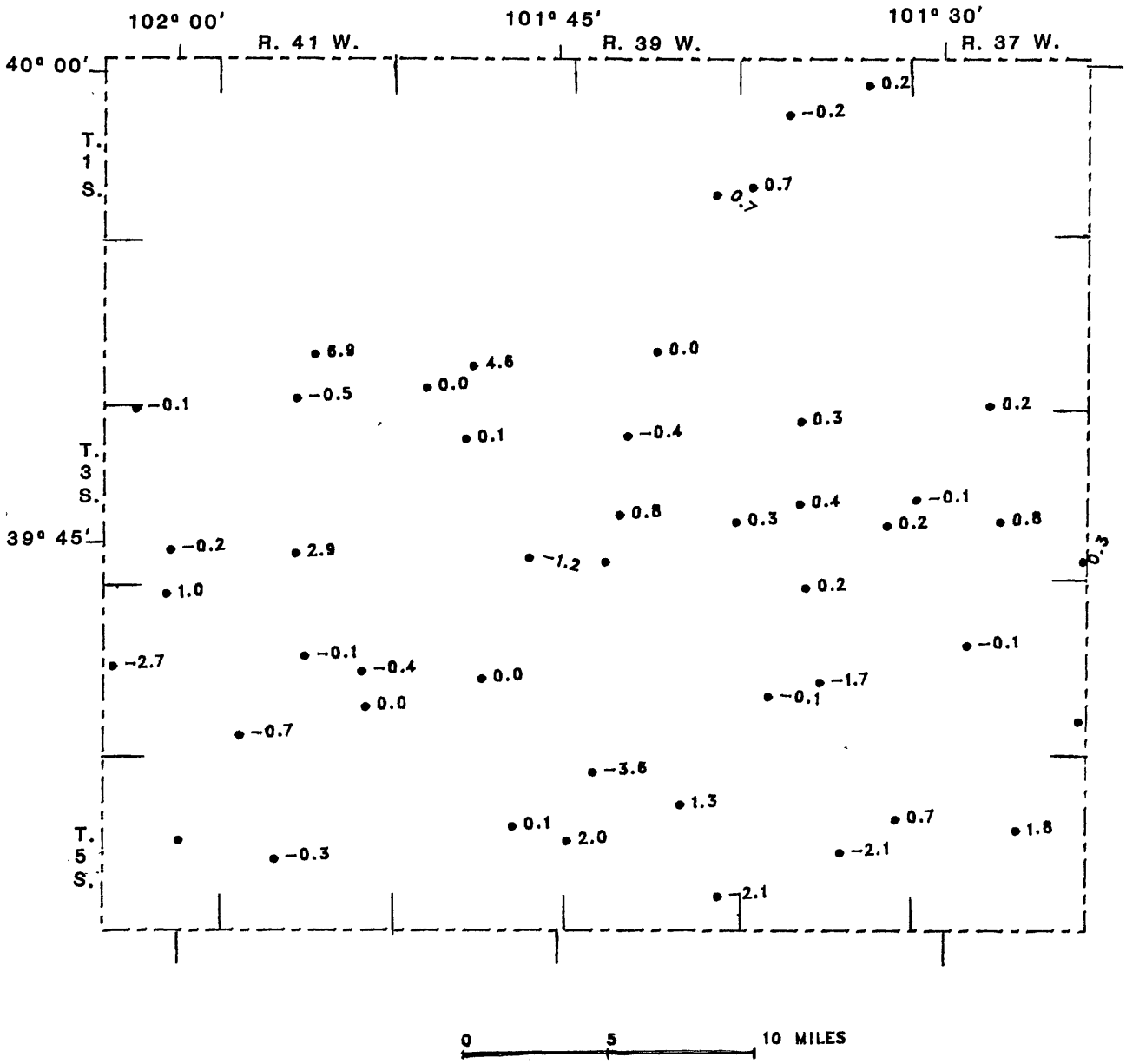
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05S 39W 06DAA 01 | | | | | | 209.7 | 210.2 | 210.8 | 211.4 | 212.1 | 214.5 | 218.1 |
| 05S 39W 11CBC 01 | TO | 3530. | | 140 | 140.1 | 149.0 | 149.2 | | 151.1 | 150.1 | 150.5 | 149.2 |
| 05S 39W 18CCC 01 | TO | 3630. | 325 | 185 | | 218.1 | 214.7 | 212.9 | 220.0 | 218.9 | 218.9 | 216.9 |
| 05S 39W 25CDA 01 | TO | 3533. | | 127 | 125.0 | 132.3 | 132.5 | 132.6 | 133.1 | 132.1 | 132.6 | 134.7 |
| 05S 40W 14BCD 01 | TO | 3645. | 325 | 187 | | 222.4 | 221.5 | 222.1 | 221.4 | 221.9 | 220.8 | 220.7 |
| 05S 41W 20DAA 01 | TO | 3742. | | 207 | 211.6 | 227.8 | 228.0 | 224.1 | 227.7 | 227.4 | 225.8 | 226.1 |
| 05S 42W 14DCC 01 | | | | | | | | | | | | 131.3 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, CHEYENNE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 01S 38W 02CDC 01 | TO | 24.0 | -1 | -1.4 | .2 | | -.1 | | | |
| 01S 38W 08DCC 01 | QA | 13.8 | -2 | -1.5 | -.2 | -.1 | -.1 | 21 | 19 | -10 |
| 01S 38W 30BDC 01 | QA | 8.9 | -2 | -.9 | .7 | -.1 | | 21 | 19 | -10 |
| 01S 39W 25CBC 01 | QA | 9.5 | -3 | -.9 | .7 | -.1 | | 19 | 17 | -11 |
| 02S 37W 33DCC 01 | | 213.1 | | | .2 | | | | | |
| 02S 39W 27BBB 01 | QA | 18.2 | | -.4 | 0.0 | | | 10 | 10 | |
| 02S 40W 28DBA 01 | TO | 111.2 | 1 | 1.4 | 4.6 | | .1 | | | |
| 02S 40W 32BCB 01 | TO | 130.4 | | | 0.0 | | | | | |
| 02S 41W 27BBD 01 | TO | 200.5 | -1 | -1.9 | 6.9 | | -.1 | | | |
| 02S 41W 33DBC 01 | TO | 236.8 | -2 | -1.6 | -.5 | -.1 | -.1 | | | |
| 03S 37W 19BBC 01 | TO | 230.3 | -15 | -10.4 | -.1 | -.4 | -.5 | | | |
| 03S 37W 21DDD 01 | TO | 217.8 | -24 | | .8 | -.6 | | 118 | 94 | -20 |
| 03S 37W 36ADB 01 | TO | 201.4 | -26 | -19.3 | .3 | -.7 | -.9 | | | |
| 03S 38W 04BCC 01 | TO | 217.6 | | | .3 | | | | | |
| 03S 38W 21BCB 01 | TO | 239.7 | | | .4 | | | | | |
| 03S 38W 25BBB 01 | | 227.0 | | | .2 | | | | | |
| 03S 39W 04CCC 01 | TO | 66.8 | | | -.4 | | | | | |
| 03S 39W 20DAC 01 | TO | 139.4 | -9 | 1.1 | .8 | -.2 | .1 | | | |
| 03S 39W 24DDD 01 | TO | 221.7 | -17 | | .3 | -.4 | | 70 | 53 | -24 |
| 03S 39W 32BDB 01 | TO | | | | | | | | | |
| 03S 40W 09BAA 02 | QA,TO | 19.8 | | .1 | .1 | | | 2 | 2 | |
| 03S 40W 35AAC 01 | TO | 97.8 | -3 | -1.6 | -1.2 | -.1 | -.1 | | | |
| 03S 41W 33ABB 01 | | 162.1 | 2 | | 2.9 | .1 | | 20 | 22 | 10 |
| 03S 42W 04AAA 01 | TO | 231.0 | -1 | | -.1 | | | 25 | 24 | -4 |
| 03S 42W 26CCD 01 | | 205.2 | | | -.2 | | | | | |
| 04S 37W 17AAC 01 | TO | 197.6 | -11 | -9.7 | -.1 | -.3 | -.4 | | | |
| 04S 37W 25DCA 01 | TO | | | | | | | | | |
| 04S 38W 04BAC 01 | TO | 218.7 | -12 | -11.7 | .2 | -.3 | -.5 | 120 | 108 | -10 |
| 04S 38W 20CCC 01 | TO | 157.3 | -6 | -7.7 | -.1 | -.2 | -.4 | | | |
| 04S 38W 21ADC 01 | TO | 187.6 | -10 | .4 | -1.7 | -.3 | | | | |
| 04S 40W 22BCB 01 | TO | 124.3 | -1 | -.4 | 0.0 | | | | | |
| 04S 41W 16DAA 01 | QA | 15.7 | -3 | -1.5 | -.1 | -.1 | -.1 | 25 | 22 | -12 |
| 04S 41W 23AAA 01 | | 120.9 | | | -.4 | | | | | |
| 04S 41W 25BCB 01 | TO | 142.8 | -2 | -3.2 | 0.0 | -.1 | -.1 | | | |
| 04S 41W 31ACA 01 | TO | 97.1 | -3 | -3.1 | -.7 | -.1 | -.1 | | | |
| 04S 42W 02BCC 01 | | 213.6 | | | 1.0 | | | | | |
| 04S 42W 16CCD 01 | | 88.9 | | | -2.7 | | | | | |
| 05S 37W 15DBB 01 | TO | 143.9 | -7 | -7.5 | 1.8 | -.2 | -.3 | | | |
| 05S 38W 13BAD 01 | TO | 78.0 | -4 | -5.4 | .7 | -.1 | -.2 | | | |
| 05S 38W 22ACB 01 | TO | 99.9 | -10 | -9.3 | -2.1 | -.3 | -.4 | | | |

TABLE 1.-- SELECTED HYDROLOGIC DATA, CHEYENNE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 05S 39W 06DAA 01 | | 218.1 | | | -3.6 | | | | | |
| 05S 39W 11CBC 01 | TO | 149.2 | -9 | -9.1 | 1.3 | -.2 | -.4 | | | |
| 05S 39W 18CCC 01 | TO | 216.9 | -32 | | 2.0 | -.8 | | 140 | 108 | -23 |
| 05S 39W 25CDA 01 | TO | 134.7 | -8 | -9.7 | -2.1 | -.2 | -.4 | | | |
| 05S 40W 14BCD 01 | TO | 220.7 | -34 | | .1 | -.9 | | 138 | 104 | -25 |
| 05S 41W 20DAA 01 | TO | 226.1 | -19 | -14.4 | -.3 | -.5 | -.7 | | | |
| 05S 42W 14DCC 01 | | 131.3 | | | | | | | | |



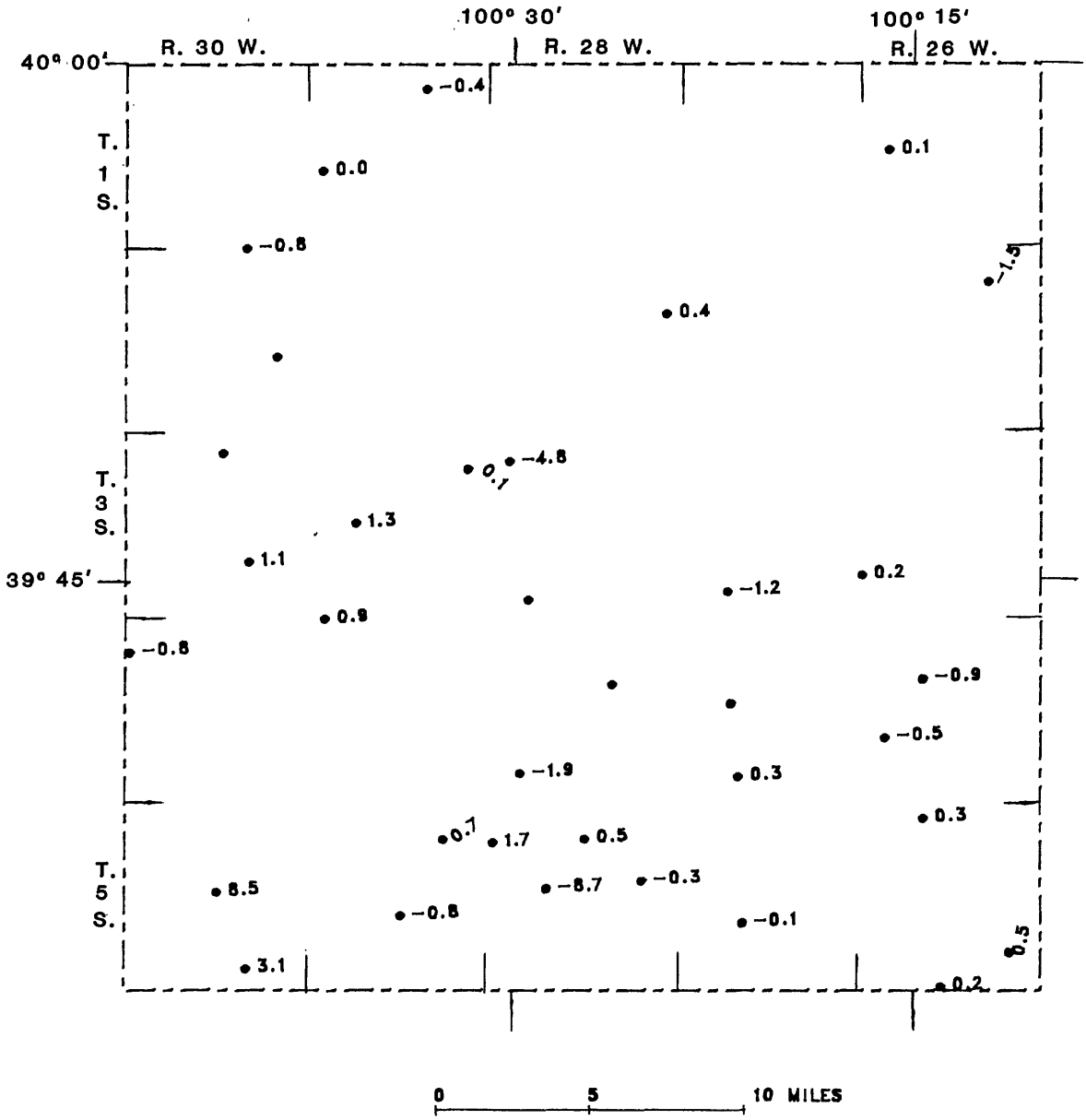

WATER–LEVEL CHANGE IN CHEYENNE COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, DECATUR COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01S 26W 18DDB 01 | QA | 2413. | 59 | 28 | 26.4 | 31.7 | 30.4 | | 26.8 | 27.8 | 28.1 | 28.0 |
| 01S 29W 03DDB 01 | QA | 2539. | 45 | 23 | 23.0 | | 30.4 | | 28.8 | 28.6 | 28.0 | 28.4 |
| 01S 29W 19BDD 01 | QA | 2572. | 53 | 10 | 10.9 | 23.0 | 21.4 | 18.1 | 17.2 | 17.0 | 17.4 | 17.4 |
| 01S 30W 34DDD 01 | QA | 2610. | 60 | 20 | 21.5 | 32.8 | 27.4 | 26.2 | 25.8 | 25.1 | 27.5 | 28.3 |
| 02S 26W 11BBA 01 | TO | 2509. | 110 | 85 | 87.3 | 86.1 | 86.1 | 86.3 | 86.2 | 87.8 | 85.7 | 87.2 |
| 02S 28W 13ABA 01 | | 2487. | | 27 | 26.2 | 30.3 | 27.9 | 26.3 | 26.6 | 28.2 | 29.1 | 28.7 |
| 02S 30W 23ADD 01 | | 2835. | | | | | | | | | | 139.8 |
| 03S 26W 30CBB 02 | TO | 2610. | 142 | 119 | 119.4 | 125.9 | 125.0 | 125.9 | 125.8 | 125.5 | 125.3 | 125.1 |
| 03S 27W 32ABA 01 | TO | 2637. | 120 | 74 | 74.8 | 73.0 | 73.0 | 73.4 | 72.6 | 72.1 | 69.9 | 71.1 |
| 03S 28W 06DCB 01 | QA | 2571. | 55 | 34 | 25.6 | 46.3 | 47.5 | | 37.7 | 37.1 | 30.6 | 35.4 |
| 03S 28W 32BCA 01 | TO | 2749. | 180 | 133 | 133.6 | 142.2 | | | 130.6 | 135.3 | 130.8 | |
| 03S 29W 12BBA 01 | QA | 2556. | 55 | 26 | 24.9 | 31.5 | 28.4 | 25.3 | 24.4 | 25.0 | 25.4 | 25.3 |
| 03S 29W 17DCB 01 | QA,TC | 2587. | 50 | 19 | 20.0 | 24.3 | 22.3 | 21.8 | 21.9 | 21.8 | 20.4 | 19.1 |
| 03S 29W 31DCC 01 | QA | 2633. | 38 | 20 | 20.3 | 26.9 | 25.5 | 25.3 | 24.4 | 24.1 | 23.4 | 22.5 |
| 03S 30W 03CBA 01 | TO | 2807. | 177 | 96 | 98.6 | | 95.4 | | 93.6 | | | 93.5 |
| 03S 30W 26BBB 01 | QA | 2629. | 49 | 7 | 10.2 | 10.3 | 5.8 | | 6.7 | 4.8 | 4.1 | 3.0 |
| 04S 26W 08DDD 01 | QA | 2455. | 70 | 26 | 28.7 | 30.1 | 29.7 | 30.4 | 31.7 | 29.4 | 29.7 | 30.6 |
| 04S 26W 19DCA 01 | QA | 2464. | 37 | 14 | 14.0 | 20.7 | 17.0 | | 17.5 | 16.2 | 16.1 | 16.6 |
| 04S 27W 17DAC 01 | TO | 2648. | 162 | 105 | 103.8 | | 105.7 | | 105.5 | 103.6 | 103.8 | |
| 04S 27W 33BBB 01 | QA | 2528. | 54 | 13 | 16.0 | 18.7 | 19.0 | 19.2 | 18.3 | 17.9 | 17.4 | 17.1 |
| 04S 28W 15AAA 01 | TO | 2700. | 130 | 92 | 94.1 | | | | | | | 91.7 |
| 04S 28W 30DDD 01 | TO | 2726. | 110 | 92 | 92.7 | | 92.6 | 91.9 | 91.0 | 90.9 | 90.6 | 92.5 |
| 04S 30W 07BBB 01 | QA | 2697. | 21 | 7 | 7.3 | 12.6 | 12.1 | | 12.1 | | 12.0 | 12.8 |
| 05S 26W 05ADD 01 | TO | 2607. | 170 | 128 | 128.9 | 127.8 | 128.2 | 127.8 | 127.7 | 126.9 | 127.2 | 126.9 |
| 05S 26W 26DDA 01 | QA | 2437. | 74 | 26 | 22.4 | 23.4 | 23.1 | 24.1 | 23.6 | 23.8 | 23.1 | 22.6 |
| 05S 26W 33DCC 01 | QA | 2475. | 60 | 20 | 18.2 | 19.8 | 19.4 | 19.3 | 18.6 | 18.3 | 18.5 | 18.3 |
| 05S 27W 21CCA 01 | TO | 2675. | | 103 | 104.2 | 103.8 | | | | 103.6 | 103.3 | 103.4 |
| 05S 28W 07BBC 01 | QA | 2644. | 52 | 19 | 19.9 | 20.5 | 21.2 | 20.4 | 20.1 | 19.1 | 17.9 | 16.2 |
| 05S 28W 10BBB 01 | QA | 2600. | 47 | 12 | 8.0 | 10.0 | 9.6 | 9.0 | 8.8 | 9.0 | 8.7 | 8.2 |
| 05S 28W 14ADD 01 | TO | 2723. | 160 | 133 | 135.0 | 134.5 | 137.5 | 136.0 | 133.9 | 133.9 | 135.8 | 136.1 |
| 05S 28W 17DAC 01 | TO | 2734. | 124 | 102 | 102.3 | | | | 102.0 | 101.9 | 95.6 | 104.3 |
| 05S 29W 11BAA 01 | QA | 2670. | 42 | 10 | 12.3 | 13.0 | 12.7 | 12.6 | 12.5 | 12.6 | 12.6 | 11.9 |
| 05S 29W 22CBB 01 | QA | 2686. | 46 | 11 | 12.6 | 14.3 | 14.1 | 13.1 | 13.8 | 12.4 | 13.1 | 13.9 |
| 05S 30W 15CCB 01 | | 2878. | | | | | | | 95.1 | 97.3 | 99.0 | 90.5 |
| 05S 30W 35BCB 01 | TO | 2891. | 200 | 112 | 111.6 | | 119.6 | 118.9 | 119.3 | 124.7 | 125.8 | 122.7 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, DECATUR COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 01S 26W 18DDB 01 | QA | 28.0 | | -1.5 | .1 | | -.1 | 31 | 31 | |
| 01S 29W 03DDB 01 | QA | 28.4 | -5 | -5.3 | -.4 | -.1 | -.2 | 22 | 17 | -23 |
| 01S 29W 19BDD 01 | QA | 17.4 | -7 | -6.4 | 0.0 | -.2 | -.3 | 43 | 36 | -16 |
| 01S 30W 34DDD 01 | QA | 28.3 | -8 | -6.8 | -.8 | -.2 | -.3 | 40 | 32 | -20 |
| 02S 26W 11BBA 01 | TO | 87.2 | -2 | .2 | -1.5 | -.1 | | 25 | 23 | -8 |
| 02S 28W 13ABA 01 | | 28.7 | -2 | -2.5 | .4 | -.1 | -.1 | | | |
| 02S 30W 23ADD 01 | | 139.8 | | | | | | | | |
| 03S 26W 30CBB 02 | TO | 125.1 | -6 | -5.7 | .2 | -.2 | -.3 | 23 | 17 | -26 |
| 03S 27W 32ABA 01 | TO | 71.1 | 3 | 3.7 | -1.2 | .1 | .2 | 46 | 49 | 7 |
| 03S 28W 06DCB 01 | QA | 35.4 | -1 | -9.8 | -4.8 | | -.4 | 21 | 20 | -5 |
| 03S 28W 32BCA 01 | TO | | | | | | | | | |
| 03S 29W 12BBA 01 | QA | 25.3 | 1 | -.4 | .1 | | | 29 | 30 | 3 |
| 03S 29W 17DCB 01 | QA,TO | 19.1 | | 1.0 | 1.3 | | | 31 | 31 | |
| 03S 29W 31DCC 01 | QA | 22.5 | -3 | -2.2 | .9 | -.1 | -.1 | 18 | 16 | -11 |
| 03S 30W 03CBA 01 | TO | 93.5 | 3 | 5.1 | | .1 | .2 | 81 | 84 | 4 |
| 03S 30W 26BBB 01 | QA | 3.0 | 4 | 7.2 | 1.1 | .1 | .3 | 42 | 46 | 10 |
| 04S 26W 08DDD 01 | QA | 30.6 | -5 | -1.9 | -.9 | -.1 | -.1 | 44 | 39 | -11 |
| 04S 26W 19DCA 01 | QA | 16.6 | -3 | -2.5 | -.5 | -.1 | -.1 | 23 | 20 | -13 |
| 04S 27W 17DAC 01 | TO | | | | | | | | | |
| 04S 27W 33BBB 01 | QA | 17.1 | -4 | -1.0 | .3 | -.1 | | 41 | 37 | -10 |
| 04S 28W 15AAA 01 | TO | 91.7 | | 2.4 | | | .1 | 38 | 38 | |
| 04S 28W 30DDD 01 | TO | 92.5 | -1 | .2 | -1.9 | | | 18 | 18 | |
| 04S 30W 07BBB 01 | QA | 12.8 | -6 | -5.4 | -.8 | -.2 | -.2 | 14 | 8 | -43 |
| 05S 26W 05ADD 01 | TO | 126.9 | 1 | 2.0 | .3 | | .1 | 42 | 43 | 2 |
| 05S 26W 26DDA 01 | QA | 22.6 | 3 | -.2 | .5 | .1 | | 48 | 51 | 6 |
| 05S 26W 33DCC 01 | QA | 18.3 | 2 | -.1 | .2 | .1 | | 40 | 42 | 5 |
| 05S 27W 21CCA 01 | TO | 103.4 | | .8 | -.1 | | | | | |
| 05S 28W 07BBC 01 | QA | 16.2 | 3 | 3.7 | 1.7 | .1 | .2 | 33 | 36 | 9 |
| 05S 28W 10BBB 01 | QA | 8.2 | 4 | -.2 | .5 | .1 | | 35 | 39 | 11 |
| 05S 28W 14ADD 01 | TO | 136.1 | -3 | -1.0 | -.3 | -.1 | | 27 | 24 | -11 |
| 05S 28W 17DAC 01 | TO | 104.3 | -2 | -2.0 | -8.7 | -.1 | -.1 | 22 | 20 | -9 |
| 05S 29W 11BAA 01 | QA | 11.9 | -2 | .5 | .7 | -.1 | | 32 | 30 | -6 |
| 05S 29W 22CBB 01 | QA | 13.9 | -3 | -1.3 | -.8 | -.1 | -.1 | 35 | 32 | -9 |
| 05S 30W 15CCB 01 | | 90.5 | | | 8.5 | | | | | |
| 05S 30W 35BCB 01 | TO | 122.7 | -11 | -11.1 | 3.1 | -.3 | -.5 | 88 | 77 | -13 |



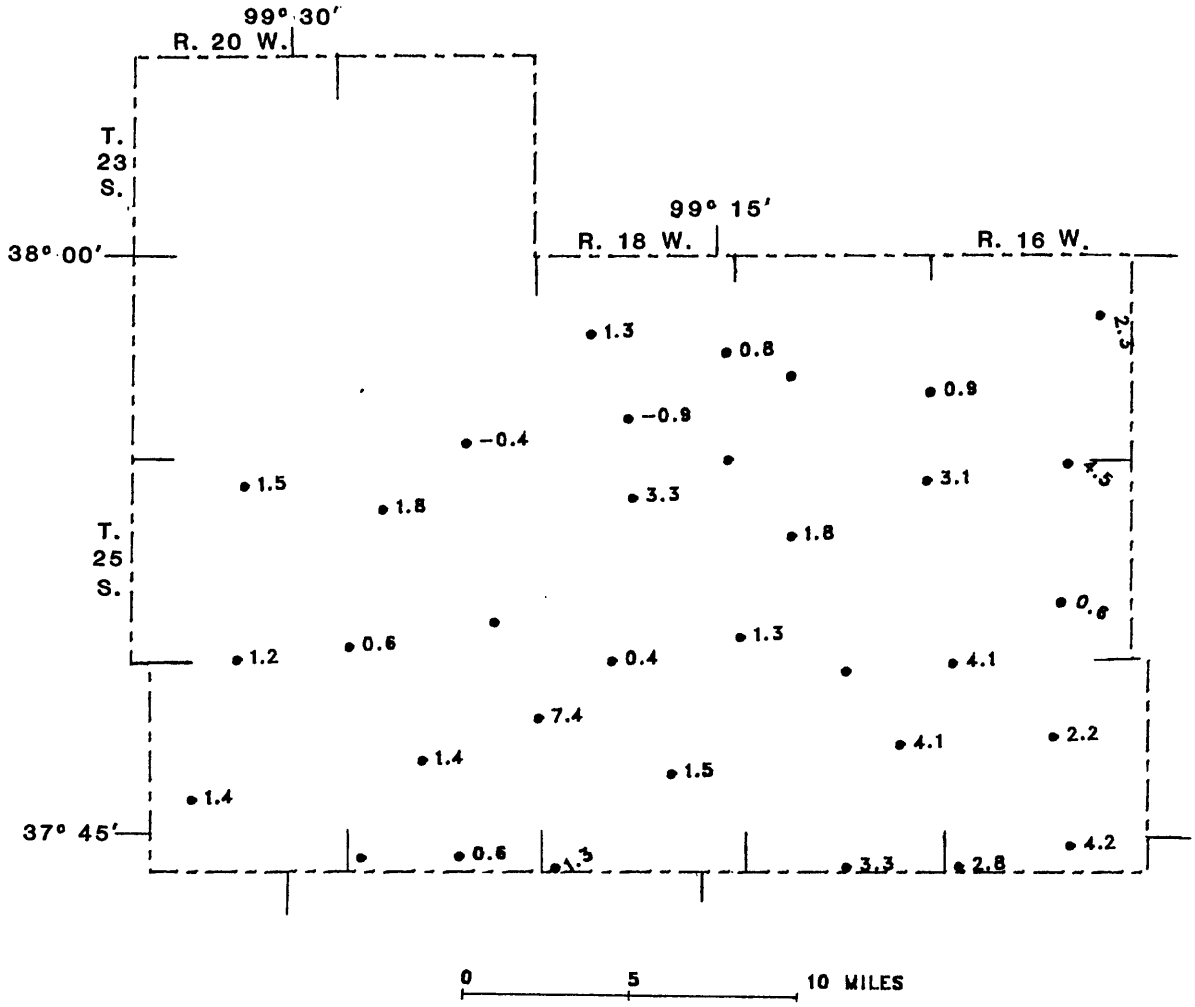

WATER–LEVEL CHANGE IN DECATUR COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, EDWARDS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24S 16W 12CBC 01 | QU | 2055. | 130 | 5 | 9.2 | 20.8 | 23.0 | 23.1 | 24.9 | 24.4 | 24.0 | 21.7 |
| 24S 17W 20ADC 01 | QU | 2126. | 121 | 3 | 15.8 | 25.7 | 26.8 | 26.9 | 27.9 | 28.6 | 28.6 | |
| 24S 17W 24DDD 01 | QU | 2100. | 170 | 15 | 13.3 | 24.9 | 25.1 | 25.0 | 29.4 | 30.0 | 29.5 | 28.6 |
| 24S 18W 13DAC 01 | | 2130. | 115 | | | | | | | 28.1 | 28.7 | 27.9 |
| 24S 18W 17ABD 01 | QU | 2147. | 92 | 27 | 18.8 | 27.7 | 28.7 | 28.7 | 30.1 | 29.8 | 29.7 | 28.4 |
| 24S 18W 28DAC 01 | QU | 2158. | 98 | 25 | 16.6 | 33.1 | 36.8 | 31.2 | 32.6 | 34.1 | 33.8 | 34.7 |
| 24S 18W 36DDC 01 | QU | 2149. | 119 | 28 | 24.2 | 34.9 | 36.3 | 36.7 | 38.3 | 38.3 | | 34.9 |
| 24S 19W 34ADD 01 | QA | 2160. | | 8 | 7.0 | 9.2 | 9.6 | 9.2 | 8.8 | 8.9 | 8.6 | 9.0 |
| 25S 16W 02BBB 01 | QU | 2069. | 184 | 6 | 6.6 | 21.1 | 23.2 | 23.8 | 25.0 | 25.3 | 24.9 | 20.4 |
| 25S 16W 27AAC 01 | QU | 2063. | 188 | 3 | 6.1 | 14.8 | 15.0 | 16.4 | 16.9 | 17.7 | 16.8 | 16.2 |
| 25S 16W 31DCC 01 | TO | | | | | 17.1 | 18.3 | 19.1 | 20.7 | 20.6 | 19.3 | 15.2 |
| 25S 17W 01DAB 01 | QU | 2102. | 162 | 12 | 8.8 | 22.2 | 24.4 | 25.0 | 26.6 | 27.1 | 26.6 | 23.5 |
| 25S 17W 17AAC 01 | QU | 2129. | 74 | 14 | 14.4 | 25.7 | 27.9 | 28.2 | 28.6 | 30.1 | 29.5 | 27.7 |
| 25S 17W 31BBD 01 | QU | 2148. | 178 | 22 | 11.1 | 21.4 | | 22.4 | | 24.2 | 24.0 | 22.7 |
| 25S 18W 09AAA 01 | QU | 2161. | 131 | 21 | 15.6 | 26.0 | 26.9 | 27.7 | 29.1 | 29.6 | 29.3 | 26.0 |
| 25S 18W 33CDC 01 | QU | 2182. | 172 | 29 | 23.2 | 27.1 | 28.2 | 28.9 | 28.0 | 30.5 | 30.6 | 30.2 |
| 25S 19W 08BDD 01 | | | | | | | | | 6.1 | 6.6 | 5.7 | 3.9 |
| 25S 19W 26DDB 01 | QU | 2206. | 146 | 31 | 30.1 | 35.0 | 36.3 | 36.2 | 37.4 | 38.8 | 37.9 | |
| 25S 19W 31CAB 01 | QU | 2220. | | 17 | 15.2 | 18.5 | 18.1 | | 20.0 | 19.5 | 18.3 | 17.7 |
| 25S 20W 03BCD 01 | | 2237. | | | | | | | 29.5 | 28.0 | 28.9 | 27.4 |
| 25S 20W 34CCC 01 | | 2219. | | | | | | | | 8.2 | 8.2 | 7.0 |
| 26S 16W 10CCC 01 | QU | 2065. | 220 | 5 | 3.8 | 8.5 | 9.5 | 9.5 | 11.2 | 9.6 | 9.8 | 7.6 |
| 26S 16W 31CCA 01 | QU | 2110. | 285 | 25 | 19.6 | 30.1 | 32.1 | 31.7 | 32.7 | 31.4 | 32.1 | 29.3 |
| 26S 16W 34ABC 01 | QU | 2079. | 289 | 25 | 6.8 | 20.3 | 22.5 | 22.1 | 23.4 | 21.3 | 22.8 | 18.6 |
| 26S 17W 04AAC 01 | QU | 2146. | 216 | 44 | | 24.5 | 28.8 | | 39.3 | 43.4 | | 41.6 |
| 26S 17W 14BAA 01 | QU | 2109. | 194 | 16 | 20.7 | 22.2 | 22.4 | 24.0 | 24.4 | 25.6 | 24.6 | 20.5 |
| 26S 17W 33DDB 01 | QU | 2127. | 227 | 22 | 12.4 | 21.7 | 23.3 | 23.1 | 23.9 | 22.7 | 23.5 | 20.2 |
| 26S 18W 15DCB 01 | QU | 2174. | 229 | 33 | 22.0 | 27.0 | 28.2 | 28.8 | 30.3 | 30.5 | 30.4 | 28.9 |
| 26S 18W 31CCC 01 | | 2215. | 195 | 47 | 33.6 | 42.2 | 43.1 | 43.4 | 45.1 | 45.5 | 45.8 | 44.5 |
| 26S 19W 12ABB 02 | | 2210. | 155 | 38 | | 46.4 | 48.4 | 49.1 | 52.1 | 50.3 | 49.9 | 42.5 |
| 26S 19W 16BCB 01 | QU | 2231. | 176 | 35 | 29.4 | 34.6 | 35.6 | 35.6 | 37.2 | 37.8 | 38.3 | 36.9 |
| 26S 19W 31BAC 01 | | 2257. | 187 | | | | | | | 40.2 | 43.8 | |
| 26S 19W 34BBD 01 | QU | 2232. | 187 | 36 | 30.8 | 35.1 | 35.9 | 36.6 | 37.7 | 38.1 | 38.2 | 37.6 |
| 26S 20W 20BBC 01 | | 2251. | | 19 | | | | | 23.5 | 11.4 | 11.4 | 10.0 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, EDWARDS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 24S 16W 12CBC 01 | QU | 21.7 | -17 | -12.5 | 2.3 | -.4 | -.6 | 125 | 108 | -14 |
| 24S 17W 20ADC 01 | QU | | | | | | | | | |
| 24S 17W 24DDD 01 | QU | 28.6 | -14 | -15.3 | .9 | -.4 | -.7 | 155 | 141 | -9 |
| 24S 18W 13DAC 01 | | 27.9 | | | .8 | | | | 87 | |
| 24S 18W 17ABD 01 | QU | 28.4 | -1 | -9.6 | 1.3 | | -.4 | 65 | 64 | -2 |
| 24S 18W 28DAC 01 | QU | 34.7 | -10 | -18.1 | -.9 | -.3 | -.8 | 73 | 63 | -14 |
| 24S 18W 36DDC 01 | QU | 34.9 | -7 | -10.7 | | -.2 | -.5 | 91 | 84 | -8 |
| 24S 19W 34ADD 01 | QA | 9.0 | -1 | -1.9 | -.4 | | -.1 | | | |
| 25S 16W 02BBB 01 | QU | 20.4 | -14 | -13.7 | 4.5 | -.4 | -.6 | 178 | 164 | -8 |
| 25S 16W 27AAC 01 | QU | 16.2 | -13 | -10.1 | .6 | -.3 | -.5 | 185 | 172 | -7 |
| 25S 16W 31DCC 01 | TO | 15.2 | | | 4.1 | | | | | |
| 25S 17W 01DAB 01 | QU | 23.5 | -12 | -14.7 | 3.1 | -.3 | -.7 | 150 | 139 | -7 |
| 25S 17W 17AAC 01 | QU | 27.7 | -14 | -13.3 | 1.8 | -.4 | -.6 | 60 | 46 | -23 |
| 25S 17W 31BBD 01 | QU | 22.7 | -1 | -11.6 | 1.3 | | -.5 | 156 | 155 | -1 |
| 25S 18W 09AAA 01 | QU | 26.0 | -5 | -10.4 | 3.3 | -.1 | -.5 | 110 | 105 | -5 |
| 25S 18W 33CDC 01 | QU | 30.2 | -1 | -7.0 | .4 | | -.3 | 143 | 142 | -1 |
| 25S 19W 08BDD 01 | | 3.9 | | | 1.8 | | | | | |
| 25S 19W 26DDB 01 | QU | | | | | | | | | |
| 25S 19W 31CAB 01 | QU | 17.7 | -1 | -2.5 | .6 | | -.1 | | | |
| 25S 20W 03BCD 01 | | 27.4 | | | 1.5 | | | | | |
| 25S 20W 34CCC 01 | | 7.0 | | | 1.2 | | | | | |
| 26S 16W 10CCC 01 | QU | 7.6 | -3 | -3.8 | 2.2 | -.1 | -.2 | 215 | 212 | -1 |
| 26S 16W 31CCA 01 | QU | 29.3 | -4 | -9.7 | 2.8 | -.1 | -.4 | 260 | 256 | -2 |
| 26S 16W 34ABC 01 | QU | 18.6 | 6 | -11.8 | 4.2 | .2 | -.5 | 264 | 270 | 2 |
| 26S 17W 04AAC 01 | QU | 41.6 | 2 | | | .1 | | 172 | 174 | 1 |
| 26S 17W 14BAA 01 | QU | 20.5 | -5 | .2 | 4.1 | -.1 | | 178 | 174 | -2 |
| 26S 17W 33DDB 01 | QU | 20.2 | 2 | -7.8 | 3.3 | .1 | -.4 | 205 | 207 | 1 |
| 26S 18W 15DCB 01 | QU | 28.9 | 4 | -6.9 | 1.5 | .1 | -.3 | 196 | 200 | 2 |
| 26S 18W 31CCC 01 | | 44.5 | 3 | -10.9 | 1.3 | .1 | -.5 | 148 | 151 | 2 |
| 26S 19W 12ABB 02 | | 42.5 | -5 | | 7.4 | -.1 | | 117 | 113 | -3 |
| 26S 19W 16BCB 01 | QU | 36.9 | -2 | -7.5 | 1.4 | -.1 | -.3 | 141 | 139 | -1 |
| 26S 19W 31BAC 01 | | | | | | | | | | |
| 26S 19W 34BBD 01 | QU | 37.6 | -2 | -6.8 | .6 | -.1 | -.3 | 151 | 149 | -1 |
| 26S 20W 20BBC 01 | | 10.0 | 9 | | 1.4 | .2 | | | | |




WATER–LEVEL CHANGE IN EDWARDS COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, FINNEY COUNTY -- CONTINUED



| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21S 29W 36CCB 01 | QA | 2611. | 23 | 17 | 17.7 | | 23.1 | 22.0 | 21.6 | | | |
| 21S 30W 05BBB 01 | QU,TC | 2863. | 78 | 35 | 28.6 | 39.2 | | 38.1 | 37.5 | 36.7 | 38.3 | 36.0 |
| 21S 31W 08ABB 01 | QU,TC | 2903. | 73 | 55 | 48.5 | | 47.2 | 47.4 | | | 47.8 | 47.6 |
| 21S 31W 26CCC 01 | QU,TC | 2900. | | 75 | | | | | 73.8 | 73.9 | 74.2 | 74.3 |
| 21S 32W 08ABD 01 | QU | 2910. | 150 | 36 | 41.3 | 92.7 | 95.8 | 97.2 | 100.3 | 100.6 | 103.8 | 104.5 |
| 21S 32W 20CBD 01 | QU,TC | 2898. | 200 | 31 | 45.1 | 90.7 | 95.6 | | 97.6 | 98.4 | | 105.2 |
| 21S 32W 26DAA 01 | QU,TC | 2946. | 171 | 96 | 98.8 | 104.6 | 106.9 | 105.6 | 107.0 | 105.7 | 107.3 | 108.6 |
| 21S 33W 07DDAA01 | QU | 2918. | 95 | 33 | 48.3 | 73.4 | 74.4 | 76.3 | 77.2 | 79.2 | 80.0 | 81.4 |
| 21S 33W 29BBC 01 | | 2891. | 106 | 16 | | | | | 79.1 | 79.7 | 81.4 | 81.5 |
| 21S 34W 14DBB 01 | KN | 2947. | 97 | 56 | 69.0 | 106.9 | 112.8 | 105.5 | 103.6 | 101.7 | 104.2 | 103.4 |
| 21S 34W 16AADA02 | QU,TC | 2981. | 120 | 80 | 95.3 | 92.8 | 93.0 | 94.7 | 92.8 | 93.2 | 93.0 | 92.8 |
| 22S 27W 14ADC 01 | KJ | 2458. | | | | 181.3 | 180.5 | 180.9 | 179.4 | 181.4 | 177.3 | 175.2 |
| 22S 31W 08CCC 01 | | 2911. | 171 | 81 | | | | | 99.7 | 98.2 | 99.0 | 99.1 |
| 22S 31W 16ADD 01 | QU,TC | 2904. | 181 | 84 | 85.5 | 103.0 | 104.3 | 103.4 | 104.9 | 105.5 | 107.0 | 107.2 |
| 22S 31W 29DCC 01 | | 2904. | | 85 | | | | | 108.2 | 105.5 | | |
| 22S 32W 08ACB 01 | QU,TC | 2884. | 224 | 33 | 40.0 | 79.6 | 83.1 | 84.3 | 85.9 | 87.5 | 90.4 | 94.8 |
| 22S 32W 21CDC 01 | QU,TC | 2903. | 198 | 58 | 66.4 | 114.6 | 118.3 | 120.8 | 123.2 | 123.8 | 128.0 | 130.1 |
| 22S 33W 22BAA 01 | QU,TC | 2900. | 190 | 40 | 47.1 | 89.4 | 96.1 | 94.8 | 98.6 | 105.8 | 114.3 | 114.2 |
| 22S 33W 36AAA 02 | QU,TC | 2860. | 200 | 14 | 21.5 | 70.0 | 71.9 | 70.0 | 66.7 | 62.9 | 63.1 | 61.4 |
| 22S 34W 08BCB 01 | KN | 2987. | 132 | 87 | 108.9 | 132.2 | 132.7 | 135.8 | 133.4 | 132.8 | 134.1 | 134.4 |
| 22S 34W 10AAA 01 | QU,TC | 2933. | 153 | 43 | 59.2 | 107.7 | 107.8 | 110.3 | 112.0 | 110.7 | 107.9 | 109.1 |
| 22S 34W 18CDD 01 | | 2984. | 234 | 67 | | | | | 148.3 | 147.9 | 149.5 | 149.8 |
| 22S 34W 26CCC 01 | | 2939. | | | | | | | | 165.4 | 167.7 | 168.0 |
| 23S 27W 12CCC 01 | QU,TC | 2618. | 72 | 59 | 62.5 | 60.8 | 60.9 | 60.3 | 60.6 | 60.6 | 60.8 | |
| 23S 27W 22DAB 01 | TO,TC | 2654. | | 82 | | 80.9 | 81.7 | 81.1 | 86.0 | 80.5 | 81.4 | 79.4 |
| 23S 28W 22DCD 01 | QU,TC | 2729. | | 74 | | 74.1 | 75.2 | 74.8 | 75.0 | 75.0 | 75.1 | 74.9 |
| 23S 28W 34DDC 01 | QU,TC | 2738. | | 76 | | 91.8 | 91.4 | 91.3 | 92.0 | 92.5 | 92.1 | 91.6 |
| 23S 29W 30BBB 01 | QU,TC | 2794. | | 75 | | 77.8 | 78.2 | 78.1 | 78.2 | 78.5 | 78.8 | 79.0 |
| 23S 29W 34CDD 01 | TO | 2772. | 147 | 84 | 84.0 | 88.9 | 90.0 | 89.3 | 90.2 | 90.3 | 90.5 | 89.4 |
| 23S 30W 04ACC 01 | QU,TC | 2846. | | 65 | | 66.4 | 66.7 | 68.3 | 67.5 | 67.6 | 68.2 | 68.3 |
| 23S 30W 19CCB 01 | QU,TC | 2862. | 142 | 89 | 82.2 | 85.3 | 86.0 | 86.3 | 86.9 | 87.4 | 87.9 | 88.5 |
| 23S 31W 03DCD 01 | QU,TC | 2877. | 167 | 72 | 83.0 | 101.7 | 105.4 | | 105.7 | 107.3 | 107.8 | 107.1 |
| 23S 31W 17ABA 01 | | 2900. | 210 | 90 | | | | | 106.3 | 107.3 | 108.5 | 108.6 |
| 23S 31W 35CCC 01 | QU,TC | 2875. | 200 | 95 | 96.7 | 111.2 | 112.4 | | 113.7 | 114.6 | 116.5 | 115.5 |
| 23S 32W 11ADC 01 | QU,TC | 2937. | 242 | 117 | 122.7 | 143.7 | 145.5 | 145.8 | 146.7 | 147.9 | 149.8 | 150.7 |
| 23S 32W 31CBD 01 | QU,TC | 2876. | 324 | 41 | 49.4 | 99.3 | 106.9 | 99.1 | 94.5 | | 90.2 | 84.8 |
| 23S 33W 17BBB 01 | QU,TC | 2904. | 340 | 26 | 60.3 | 143.9 | 155.5 | 153.4 | 150.6 | 144.8 | 150.4 | 141.5 |
| 23S 33W 26ABB 01 | QU,TC | 2890. | 327 | 42 | 50.4 | 117.3 | | 118.8 | 114.7 | 105.6 | 109.4 | 109.3 |
| 23S 33W 28CDC 01 | TO,TC | 2904. | | 46 | 61.2 | | 151.1 | 127.2 | 118.5 | 109.6 | 111.6 | 104.9 |
| 23S 34W 17CCC 01 | QU,TC | 2974. | 349 | 46 | 70.0 | 153.3 | 160.9 | 159.3 | 153.2 | 138.3 | 141.6 | 145.0 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, FINNEY COUNTY -- CONTINUED

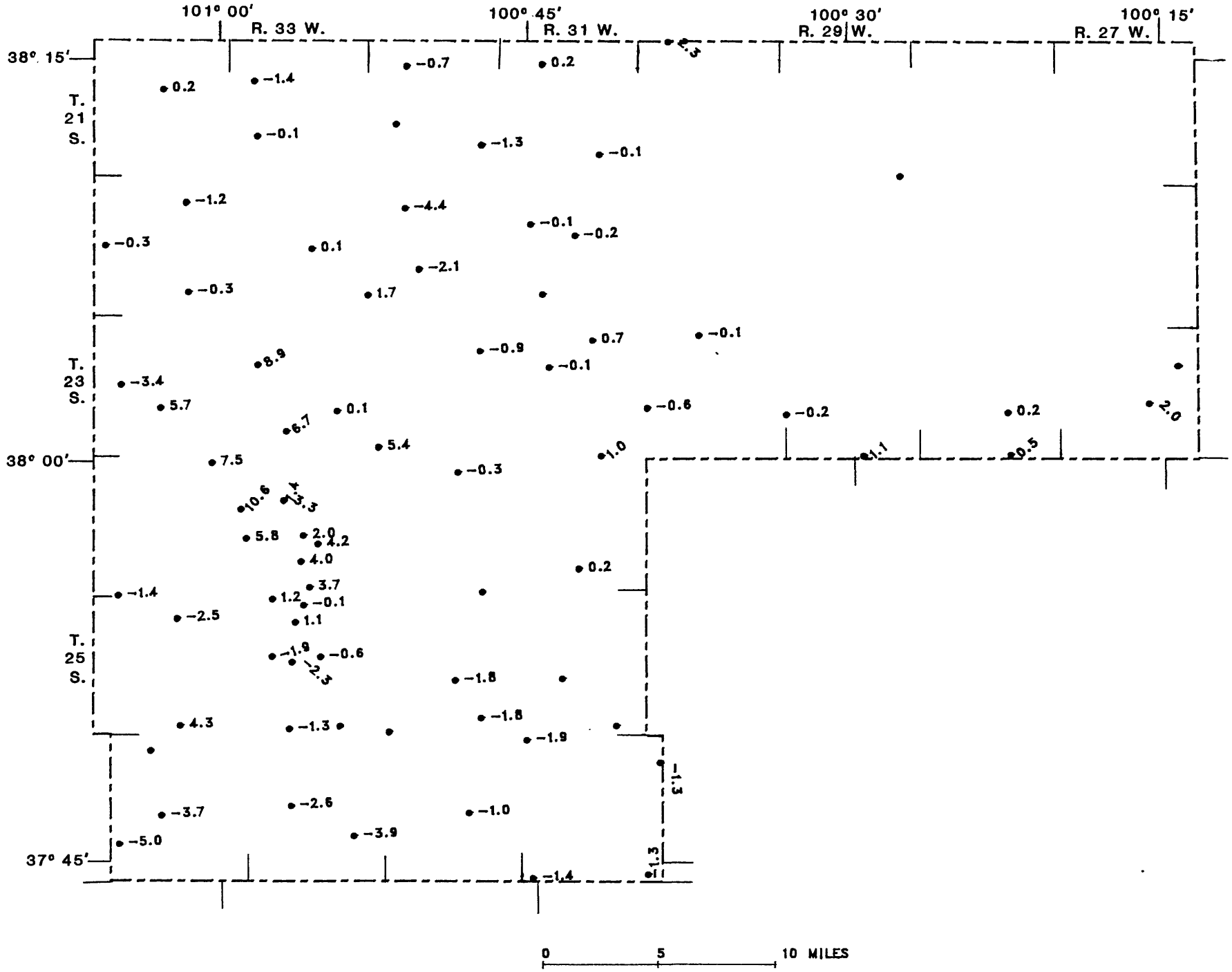
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23S 34W 21DDC 01 | QU,TC | 2961. | 356 | 41 | 71.6 | 149.4 | 153.5 | 151.5 | 141.9 | 130.2 | 128.6 | 122.9 |
| 24S 31W 27CCB 01 | QU,TC | 2883. | 295 | 114 | 119.5 | 132.2 | 128.6 | 129.9 | 131.0 | 130.0 | 131.3 | 131.1 |
| 24S 32W 03DAC 01 | QU,TC | 2881. | 299 | 70 | 80.9 | 104.9 | 106.6 | 107.8 | 109.7 | 110.0 | 110.9 | 111.2 |
| 24S 32W 35DD 01 | QU,TO | 2811. | 256 | 21 | 27.2 | 44.2 | | | | | | 39.2 |
| 24S 33W 09CCD 01 | QU | 2865. | 355 | 11 | | 69.0 | 75.1 | 72.7 | 66.7 | 57.2 | 55.1 | 47.7 |
| 24S 33W 09CCD 02 | QA | 2865. | | | | 37.2 | 37.7 | 36.2 | 27.5 | 16.5 | 15.1 | 11.8 |
| 24S 33W 09CCD 03 | KD | 2865. | | | | 66.4 | 72.6 | 71.4 | 71.3 | 62.7 | 65.8 | 56.5 |
| 24S 33W 18BDB 02 | | 2878. | 338 | 8 | | 54.2 | | 93.0 | 94.2 | 67.4 | 71.3 | 60.7 |
| 24S 33W 19DBB 02 | | 2927. | 447 | 57 | | 114.6 | 113.8 | 134.3 | 134.6 | 114.3 | 114.0 | 108.2 |
| 24S 33W 22BCC 01 | | 2888. | | 38 | | 82.2 | 83.6 | 82.3 | 80.9 | 73.7 | 73.2 | 71.2 |
| 24S 33W 22DCA 01 | QU,TC | 2905. | 405 | 71 | | 114.3 | 117.7 | 116.4 | 117.6 | | 111.5 | 107.3 |
| 24S 33W 28DAA 01 | QU,TC | 2886. | 386 | 34 | | 99.7 | 98.7 | 98.6 | 103.8 | 99.7 | 100.0 | 96.0 |
| 24S 33W 34CAC 01 | QU,TC | 2910. | 435 | 60 | | 119.0 | 120.8 | 121.4 | 127.9 | 126.2 | 127.3 | 123.6 |
| 24S 34W 01BCBB01 | QU,TC | 2894. | 316 | 12 | 24.7 | 83.4 | 88.8 | 81.6 | 76.7 | 65.6 | 66.4 | 58.9 |
| 25S 31W 21CAB 01 | QU | 2788. | 228 | 27 | 20.4 | 36.6 | 37.9 | | | | | 35.1 |
| 25S 31W 35DBA 01 | QU | 2801. | 256 | 52 | 49.9 | 70.3 | | 72.5 | | 77.0 | | |
| 25S 32W 22DBC 01 | QU,TC | 2865. | 373 | 65 | 62.0 | 89.8 | 91.3 | 92.2 | 95.8 | 98.7 | 101.3 | 103.1 |
| 25S 32W 31DDC 01 | | 2871. | | | | | 98.5 | 99.8 | | | | 111.5 |
| 25S 32W 35ADB 01 | QU,TC | 2857. | 417 | 67 | 68.0 | 91.8 | 94.2 | 94.0 | 97.1 | 100.0 | 102.5 | 104.3 |
| 25S 33W 03BCC 01 | | 2902. | | 47 | | 53.3 | | 51.6 | 52.4 | | 52.9 | 53.0 |
| 25S 33W 05ABD 01 | QU,TC | 2920. | 510 | 52 | | 107.8 | 108.9 | 113.3 | 121.3 | 121.3 | 123.2 | 122.0 |
| 25S 33W 09ABD 01 | QU,TC | 2909. | 514 | 50 | | 107.8 | 108.9 | 109.6 | 118.1 | 118.4 | 120.5 | 119.4 |
| 25S 33W 15DAC 01 | QU,TC | 2915. | 535 | 71 | | 127.5 | 129.1 | 129.3 | 137.2 | 138.7 | 140.1 | 140.7 |
| 25S 33W 16DCC 01 | | 2920. | | 62 | | 89.0 | 88.8 | 87.7 | 89.4 | 90.1 | 90.2 | 92.5 |
| 25S 33W 17DBD 01 | QU,TC | 2940. | 530 | 78 | | 124.3 | 126.1 | 126.9 | 134.1 | 135.1 | 136.3 | 138.2 |
| 25S 33W 33CDA 01 | | 2915. | 460 | 65 | | | | | 113.6 | 117.6 | 122.8 | 124.1 |
| 25S 33W 35DBD 01 | QU,TC | 2894. | 474 | 63 | | 98.6 | 100.4 | | 105.9 | 109.5 | 114.2 | |
| 25S 34W 06AAA 01 | QU,TC | 2972. | 397 | 52 | | 99.9 | 101.3 | 102.3 | 107.2 | 109.3 | 110.0 | 111.4 |
| 25S 34W 10ABB 01 | QU,TC | 2962. | 412 | 62 | | 86.9 | 89.3 | 93.3 | 98.0 | 95.3 | 100.5 | 103.0 |
| 25S 34W 34DBD 01 | QU,TC | 2945. | 440 | 65 | 70.0 | 103.9 | 107.1 | 108.8 | 114.7 | 117.4 | 126.7 | 122.4 |
| 26S 31W 01DDA 01 | QU,TC | 2811. | 301 | 75 | 74.0 | 96.1 | 97.6 | 99.3 | 101.9 | 104.7 | 107.1 | 108.4 |
| 26S 31W 06BBBB01 | QU,TC | 2832. | 327 | 55 | 55.6 | 80.8 | 91.2 | 82.4 | 85.3 | 88.0 | 90.4 | 92.3 |
| 26S 31W 31CDC 01 | QU,TC | 2841. | 496 | 83 | 86.1 | 126.9 | 127.8 | 128.6 | 132.0 | 135.1 | 138.5 | 139.9 |
| 26S 31W 36CAB 01 | QU,TC | 2817. | 332 | 82 | 80.3 | 116.6 | 117.9 | 120.1 | 123.1 | 126.0 | 127.4 | 128.7 |
| 26S 32W 22ABB 01 | QU,TC | 2899. | 564 | 113 | 115.6 | 141.6 | 142.8 | 143.3 | 145.7 | 147.3 | 149.3 | 150.3 |
| 26S 33W 17DBD 01 | | 2900. | 520 | 60 | | 98.7 | 101.7 | 104.1 | 107.6 | 111.0 | 114.4 | 117.0 |
| 26S 33W 26ABB 01 | QU,TC | 2929. | 554 | 113 | 118.3 | 150.5 | 152.6 | 154.9 | 159.4 | 162.4 | 166.6 | 170.5 |
| 26S 34W 05ADC 01 | | 2960. | | 72 | | 105.5 | 108.4 | 110.9 | 116.4 | 114.7 | 123.2 | |
| 26S 34W 21BBD 01 | | 2955. | | 77 | | 117.3 | 121.3 | 122.4 | 126.2 | 130.2 | 133.4 | 137.1 |
| 26S 34W 30BD 01 | QU | 3005. | 455 | 115 | 132.6 | 161.8 | 166.3 | 169.4 | 172.5 | 177.7 | 182.1 | 187.1 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, FINNEY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 23S 34W 21DDC 01 | QU,TO | 122.9 | -82 | -51.3 | 5.7 | -1.7 | -2.3 | 315 | 233 | -26 |
| 24S 31W 27CCB 01 | QU,TO | 131.1 | -17 | -11.5 | .2 | -.4 | -.5 | 181 | 164 | -9 |
| 24S 32W 03DAC 01 | QU,TO | 111.2 | -41 | -30.3 | -.3 | -.9 | -1.4 | 229 | 188 | -18 |
| 24S 32W 35DD 01 | QU,TO | 39.2 | -18 | -11.9 | | -.4 | -.5 | 235 | 217 | -8 |
| 24S 33W 09CCD 01 | QU | 47.7 | -37 | | 7.4 | -.8 | | 344 | 307 | -11 |
| 24S 33W 09CCD 02 | QA | 11.8 | | | 3.3 | | | | | |
| 24S 33W 09CCD 03 | KD | 56.5 | | | 9.3 | | | | | |
| 24S 33W 18BDB 02 | | 60.7 | -53 | | 10.6 | -1.1 | | 330 | 277 | -16 |
| 24S 33W 19DBB 02 | | 108.2 | -51 | | 5.8 | -1.1 | | 390 | 339 | -13 |
| 24S 33W 22BCC 01 | | 71.2 | -33 | | 2.0 | -.7 | | | | |
| 24S 33W 22DCA 01 | QU,TO | 107.3 | -36 | | 4.2 | -.8 | | 334 | 298 | -11 |
| 24S 33W 28DAA 01 | QU,TO | 96.0 | -62 | | 4.0 | -1.3 | | 352 | 290 | -18 |
| 24S 33W 34CAC 01 | QU,TO | 123.6 | -64 | | 3.7 | -1.3 | | 375 | 311 | -17 |
| 24S 34W 01BCBB01 | QU,TO | 58.9 | -47 | -34.2 | 7.5 | -1.0 | -1.6 | 304 | 257 | -15 |
| 25S 31W 21CAB 01 | QU | 35.1 | -8 | -14.6 | | -.2 | -.7 | 201 | 193 | -4 |
| 25S 31W 35DBA 01 | QU | | | | | | | | | |
| 25S 32W 22DBC 01 | QU,TO | 103.1 | -38 | -41.1 | -1.8 | -.8 | -1.9 | 308 | 270 | -12 |
| 25S 32W 31DDC 01 | | 111.5 | | | | | | | | |
| 25S 32W 35ADB 01 | QU,TO | 104.3 | -37 | -36.3 | -1.8 | -.8 | -1.7 | 350 | 313 | -11 |
| 25S 33W 03BCC 01 | | 53.0 | -6 | | -.1 | -.1 | | | | |
| 25S 33W 05ABD 01 | QU,TO | 122.0 | -70 | | 1.2 | -1.5 | | 458 | 388 | -15 |
| 25S 33W 09ABD 01 | QU,TO | 119.4 | -69 | | 1.1 | -1.4 | | 464 | 395 | -15 |
| 25S 33W 15DAC 01 | QU,TO | 140.7 | -70 | | -.6 | -1.5 | | 464 | 394 | -15 |
| 25S 33W 16DCC 01 | | 92.5 | -31 | | -2.3 | -.6 | | | | |
| 25S 33W 17DBD 01 | QU,TO | 138.2 | -60 | | -1.9 | -1.3 | | 452 | 392 | -13 |
| 25S 33W 33CDA 01 | | 124.1 | -59 | | -1.3 | -1.2 | | 395 | 336 | -15 |
| 25S 33W 35DBD 01 | QU,TO | | | | | | | | | |
| 25S 34W 06AAA 01 | QU,TO | 111.4 | -59 | | -1.4 | -1.2 | | 345 | 286 | -17 |
| 25S 34W 10ABB 01 | QU,TO | 103.0 | -41 | | -2.5 | -.9 | | 350 | 309 | -12 |
| 25S 34W 34DBD 01 | QU,TO | 122.4 | -57 | -52.4 | 4.3 | -1.2 | -2.4 | 375 | 318 | -15 |
| 26S 31W 01DDA 01 | QU,TO | 108.4 | -33 | -34.3 | -1.3 | -.7 | -1.6 | 226 | 193 | -15 |
| 26S 31W 06BBBB01 | QU,TO | 92.3 | -37 | -36.7 | -1.9 | -.8 | -1.7 | 272 | 235 | -14 |
| 26S 31W 31CDC 01 | QU,TO | 139.9 | -57 | -53.7 | -1.4 | -1.2 | -2.4 | 413 | 356 | -14 |
| 26S 31W 36CAB 01 | QU,TO | 128.7 | -47 | -48.4 | -1.3 | -1.0 | -2.2 | 250 | 203 | -19 |
| 26S 32W 22ABB 01 | QU,TO | 150.3 | -37 | -34.7 | -1.0 | -.8 | -1.6 | 451 | 414 | -8 |
| 26S 33W 17DBD 01 | | 117.0 | -57 | | -2.6 | -1.2 | | 460 | 403 | -12 |
| 26S 33W 26ABB 01 | QU,TO | 170.5 | -58 | -52.2 | -3.9 | -1.2 | -2.4 | 441 | 384 | -13 |
| 26S 34W 05ADC 01 | | | | | | | | | | |
| 26S 34W 21BBD 01 | | 137.1 | -60 | | -3.7 | -1.3 | | | | |
| 26S 34W 30BD 01 | QU | 187.1 | -72 | -54.5 | -5.0 | -1.5 | -2.5 | 340 | 268 | -21 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, FINNEY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21S 29W 36CCB 01 | QA | | | | | | | | | |
| 21S 30W 05BBB 01 | QU,TO | 36.0 | -1 | -7.4 | 2.3 | | -.3 | 43 | 42 | -2 |
| 21S 31W 08ABB 01 | QU,TO | 47.6 | 7 | 1.0 | .2 | .1 | | 18 | 25 | 39 |
| 21S 31W 26CCC 01 | QU,TO | 74.3 | 1 | | -.1 | | | | | |
| 21S 32W 08ABD 01 | QU | 104.5 | -69 | -63.2 | -.7 | -1.4 | -2.9 | 114 | 46 | -60 |
| 21S 32W 20CBD 01 | QU,TO | 105.2 | -74 | -60.1 | | -1.5 | -2.7 | 169 | 95 | -44 |
| 21S 32W 26DAA 01 | QU,TO | 108.6 | -13 | -9.7 | -1.3 | -.3 | -.4 | 75 | 62 | -17 |
| 21S 33W 07DDAA01 | QU | 81.4 | -48 | -33.1 | -1.4 | -1.0 | -1.5 | 62 | 14 | -77 |
| 21S 33W 29BBC 01 | | 81.5 | -66 | | -.1 | -1.4 | | 90 | 25 | -72 |
| 21S 34W 14DBB 01 | KN | 103.4 | -47 | -34.4 | .8 | -1.0 | -1.6 | 41 | 6 | -115 |
| 21S 34W 16AADA02 | QU,TO | 92.8 | -13 | 2.6 | .2 | -.3 | .1 | 40 | 27 | -33 |
| 22S 27W 14ADC 01 | KJ | 175.2 | | | 2.1 | | | | | |
| 22S 31W 08CCC 01 | | 99.1 | -18 | | -.1 | -.4 | | 90 | 72 | -20 |
| 22S 31W 16ADD 01 | QU,TO | 107.2 | -23 | -21.7 | -.2 | -.5 | -1.0 | 97 | 74 | -24 |
| 22S 31W 29DCC 01 | | | | | | | | | | |
| 22S 32W 08ACB 01 | QU,TO | 94.8 | -62 | -54.8 | -4.4 | -1.3 | -2.5 | 191 | 129 | -32 |
| 22S 32W 21CDC 01 | QU,TO | 130.1 | -72 | -63.6 | -2.1 | -1.5 | -2.9 | 140 | 68 | -51 |
| 22S 33W 22BAA 01 | QU,TO | 114.2 | -74 | -67.0 | .1 | -1.5 | -3.0 | 150 | 76 | -49 |
| 22S 33W 36AAA 02 | QU,TO | 61.4 | -47 | -39.8 | 1.7 | -1.0 | -1.8 | 186 | 139 | -25 |
| 22S 34W 08BCB 01 | KN | 134.4 | -47 | -25.5 | -.3 | -1.0 | -1.2 | 45 | 2 | -104 |
| 22S 34W 10AAA 01 | QU,TO | 109.1 | -66 | -49.9 | -1.2 | -1.4 | -2.3 | 110 | 44 | -60 |
| 22S 34W 18CDD 01 | | 149.8 | -83 | | -.3 | -1.7 | | 167 | 84 | -50 |
| 22S 34W 26CCC 01 | | 168.0 | | | -.3 | | | | | |
| 23S 27W 12CCC 01 | QU,TO | | | | | | | | | |
| 23S 27W 22DAB 01 | TO,TO | 79.4 | 3 | | 2.0 | .1 | | | | |
| 23S 28W 22DCD 01 | QU,TO | 74.9 | -1 | | .2 | | | | | |
| 23S 28W 34DDC 01 | QU,TO | 91.6 | -16 | | .5 | -.3 | | | | |
| 23S 29W 30BBB 01 | QU,TO | 79.0 | -4 | | -.2 | -.1 | | | | |
| 23S 29W 34CDD 01 | TO | 89.4 | -5 | -5.4 | 1.1 | -.1 | -.2 | 63 | 58 | -8 |
| 23S 30W 04ACC 01 | QU,TO | 68.3 | -3 | | -.1 | -.1 | | | | |
| 23S 30W 19CCB 01 | QU,TO | 88.5 | 1 | -6.3 | -.6 | | -.3 | 53 | 54 | 2 |
| 23S 31W 03DCD 01 | QU,TO | 107.1 | -35 | -24.1 | .7 | -.7 | -1.1 | 95 | 60 | -37 |
| 23S 31W 17ABA 01 | | 108.6 | -19 | | -.1 | -.4 | | 120 | 101 | -16 |
| 23S 31W 35CCC 01 | QU,TO | 115.5 | -21 | -18.7 | 1.0 | -.4 | -.9 | 105 | 85 | -19 |
| 23S 32W 11ADC 01 | QU,TO | 150.7 | -34 | -28.0 | -.9 | -.7 | -1.3 | 125 | 91 | -27 |
| 23S 32W 31CBD 01 | QU,TO | 84.8 | -44 | -35.4 | 5.4 | -.9 | -1.6 | 283 | 239 | -16 |
| 23S 33W 17BBB 01 | QU,TO | 141.5 | -116 | -81.2 | 8.9 | -2.4 | -3.7 | 314 | 199 | -37 |
| 23S 33W 26ABB 01 | QU,TO | 109.3 | -67 | -58.9 | .1 | -1.4 | -2.7 | 285 | 218 | -24 |
| 23S 33W 28CDC 01 | TO | 104.9 | -59 | -43.7 | 6.7 | -1.2 | -2.0 | | | |
| 23S 34W 17CCC 01 | QU,TO | 145.0 | -99 | -74.9 | -3.4 | -2.1 | -3.4 | 303 | 204 | -33 |




WATER–LEVEL CHANGE IN FINNEY COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, FORD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25S 22W 20AAA 01 | TO | 2437. | | 65 | 62.6 | 61.0 | 64.2 | 60.7 | 60.5 | 60.4 | 60.1 | 59.8 |
| 25S 22W 27CCD 01 | KD | 2432. | | | | 118.9 | 121.3 | 123.1 | 127.7 | 119.8 | 129.3 | 128.5 |
| 25S 23W 11CCC 01 | KD | 2424. | | | | 82.0 | 76.6 | 86.6 | 88.2 | 78.6 | 63.2 | 53.4 |
| 25S 23W 12BBB 01 | KD | 2390. | | | | 149.2 | 153.4 | 152.6 | 160.1 | 152.7 | 158.4 | 157.4 |
| 25S 23W 14ADD 01 | KD | 2452. | | | | 207.7 | 213.3 | 208.8 | | 217.2 | | 213.5 |
| 25S 25W 32CDD 01 | QU,KD | 2607. | | | | 181.5 | 183.7 | 186.9 | 189.0 | | 188.2 | 187.9 |
| 25S 25W 32DAD 01 | | 2593. | | | | | | | 73.6 | 73.8 | 73.8 | 73.5 |
| 25S 26W 25CDD 01 | TO | 2623. | 187 | 79 | | 76.0 | 76.3 | 76.3 | | 77.0 | 72.0 | 76.7 |
| 25S 26W 30ABC 01 | TO | 2679. | 225 | 104 | | 110.3 | 110.9 | | 111.5 | 111.1 | 110.9 | 111.3 |
| 26S 21W 17DBC 01 | KD | 2348. | | | | 57.9 | 60.4 | 60.8 | 61.5 | 60.7 | 58.7 | 60.8 |
| 26S 21W 23ADA 01 | QA | 2262. | | 6 | 7.3 | 8.0 | 7.5 | 8.7 | 8.7 | 8.2 | 7.4 | 7.0 |
| 26S 21W 25CCC 01 | | 2270. | | | | | | | 7.2 | 6.3 | 5.8 | 5.2 |
| 26S 22W 21DCD 01 | | 2377. | | | | 40.7 | 54.2 | | 44.1 | 40.6 | 41.5 | 38.1 |
| 26S 23W 02ABB 01 | | 2451. | | | | | | | 78.3 | 79.5 | 79.2 | 79.9 |
| 26S 23W 10DAD 01 | KD | 2463. | | | | 180.8 | 177.2 | 178.8 | 183.2 | 177.8 | 180.0 | 176.9 |
| 26S 24W 29DDD 01 | TO | 2575. | | 130 | | 133.1 | 132.2 | 134.7 | 138.4 | 137.3 | 137.2 | 139.9 |
| 26S 24W 31DDA 01 | TO | 2463. | | 11 | | 16.9 | 17.4 | 14.9 | 17.1 | 17.0 | 16.1 | 14.0 |
| 26S 24W 32CBA 01 | TO | 2468. | | 20 | | 23.4 | 23.2 | 22.4 | 24.5 | 24.1 | 23.3 | 21.7 |
| 26S 24W 33CDA 01 | TO | 2466. | | 26 | | 28.9 | 28.3 | 30.3 | 32.1 | 31.2 | 27.8 | 25.6 |
| 26S 25W 16DCC 01 | | 2619. | | | | | | 140.9 | 143.2 | | 143.5 | 139.9 |
| 26S 26W 18CCB 01 | | 2558. | | | | 9.4 | 9.9 | 9.6 | 9.6 | 9.4 | 10.1 | 8.9 |
| 26S 26W 32DCC 01 | | 2616. | | 74 | | 71.1 | | 84.1 | 85.3 | 86.3 | 85.7 | |
| 26S 26W 36DCC 01 | TO | 2543. | 168 | 31 | | 38.4 | 38.5 | 39.0 | 41.5 | 42.3 | 47.4 | 41.7 |
| 27S 21W 10DBB 01 | | 2291. | | | | | | | 7.6 | 7.0 | | 6.2 |
| 27S 22W 09DAB 01 | | 2418. | | | | 52.6 | 55.7 | 55.9 | 58.3 | | 59.5 | 59.5 |
| 27S 23W 24BCB 01 | KD | 2395. | | | | 23.3 | 32.6 | 30.3 | 48.1 | 41.1 | 38.6 | 43.6 |
| 27S 23W 28AAA 01 | | 2421. | | | | 26.6 | 30.2 | 29.5 | 37.7 | 37.3 | 35.9 | 37.3 |
| 27S 23W 36CCC 01 | TO | 2428. | 147 | 46 | | 44.4 | 45.3 | 44.0 | | 45.4 | 45.5 | 45.5 |
| 27S 24W 03BBD 01 | TO | 2455. | | 19 | | 27.0 | 25.2 | 24.3 | 24.3 | 24.5 | 24.5 | 24.2 |
| 27S 24W 03CDD 01 | TO | 2445. | | | | 11.5 | 10.0 | 11.7 | 10.9 | 11.9 | 11.5 | 10.7 |
| 27S 24W 04BBC 01 | TO | 2453. | | 11 | | 16.9 | 13.7 | 13.8 | 15.0 | 15.1 | 14.4 | 14.2 |
| 27S 24W 09AAD 01 | TO | 2448. | | 10 | | 19.2 | 18.6 | 19.3 | 19.8 | 20.6 | 20.1 | 20.2 |
| 27S 24W 16BDB 01 | | 2515. | | | | 75.5 | 75.6 | 74.5 | 74.9 | 76.1 | 75.8 | 76.2 |
| 27S 24W 26DAA 01 | TO | 2512. | 191 | 79 | | 88.2 | 88.8 | 89.5 | 90.1 | 90.7 | 91.1 | 92.4 |
| 27S 25W 09ACA 01 | | 2546. | | | | 64.9 | 62.9 | 65.4 | | 68.6 | 68.9 | 68.0 |
| 27S 25W 25BBB 01 | | 2574. | | | | 114.4 | 114.5 | 114.2 | 115.8 | 116.4 | 117.2 | 117.9 |
| 28S 21W 10DDD 01 | | 2349. | | 41 | | 41.3 | 42.9 | 42.9 | 43.7 | 42.8 | 42.1 | 41.6 |
| 28S 21W 23DBC 01 | TO | | | | | 74.0 | 75.5 | 76.0 | 77.0 | | 74.6 | 73.8 |
| 28S 21W 25ABB 01 | | 2365. | 149 | | | 70.3 | 71.3 | 71.4 | 72.3 | 71.1 | 70.5 | 70.1 |
| 28S 22W 05ADD 01 | | 2370. | | | | 18.5 | 18.6 | | 18.4 | 17.4 | 17.6 | 18.0 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, FORD COUNTY -- CONTINUED

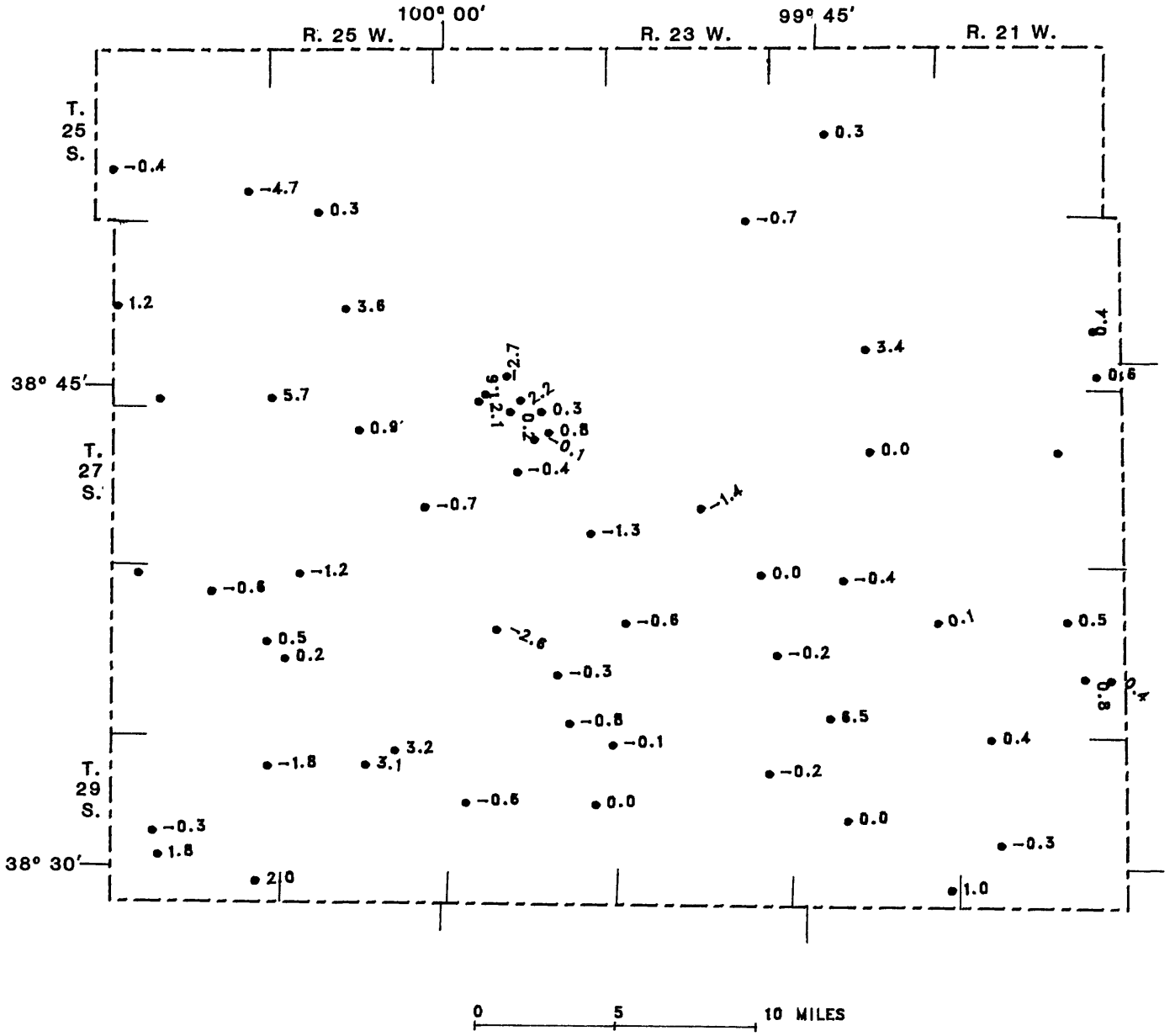
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28S 22W 12CAC 01 | TO | 2405. | 82 | 66 | | 63.9 | 60.0 | 60.4 | 60.9 | 61.5 | 61.2 | 61.1 |
| 28S 22W 32BAB 01 | TO | 2485. | 161 | 121 | | 122.1 | 122.5 | 122.6 | 123.9 | 127.1 | 129.7 | 123.2 |
| 28S 23W 18BAB 01 | | 2547. | 239 | | | 134.4 | 134.8 | 134.3 | 136.0 | | 136.6 | 137.2 |
| 28S 23W 24ABB 01 | | 2465. | | | | | 94.0 | 94.1 | 94.5 | | 94.7 | 94.9 |
| 28S 24W 08DCC 01 | | 2578. | | 133 | | 137.8 | 138.4 | 138.1 | 139.5 | 145.2 | 140.8 | 143.4 |
| 28S 24W 22CDA 01 | | 2500. | | | | | 103.8 | 104.1 | 104.8 | | 106.4 | 106.7 |
| 28S 24W 35CAB 01 | | 2528. | 450 | | | | 100.5 | | 101.3 | 102.9 | 102.3 | 103.1 |
| 28S 25W 06ABB 01 | | 2643. | | 144 | | 145.9 | 147.3 | 147.9 | 148.9 | 149.2 | 149.6 | 150.8 |
| 28S 25W 19BBB 01 | TO | 2635. | 265 | 133 | | 140.9 | 142.4 | 142.8 | 143.6 | 142.9 | 145.1 | 144.9 |
| 28S 26W 06AAB 01 | TO | 2685. | 195 | 133 | | 161.2 | 160.1 | | | 162.5 | 163.6 | |
| 28S 26W 10BAA 01 | | 2608. | 192 | | | | | | 98.0 | 98.5 | 99.3 | 99.9 |
| 28S 26W 13CAA 01 | | 2635. | | | | 135.0 | 136.6 | 137.1 | 137.7 | 138.2 | 139.6 | 139.1 |
| 29S 21W 05BBB 01 | TO | 2418. | | 98 | 96.6 | 99.6 | 99.4 | 99.6 | 100.1 | 104.8 | 100.2 | 99.8 |
| 29S 21W 20CAD 01 | | 2445. | | | | 134.2 | 134.1 | 134.1 | 134.3 | | 133.8 | 134.1 |
| 29S 22W 17DAD 01 | TO | 2475. | 240 | 119 | | 126.9 | 129.3 | 129.1 | 129.9 | 128.4 | 127.8 | 127.8 |
| 29S 22W 36ACA 01 | | 2445. | 242 | | | 134.1 | 134.5 | 134.5 | 135.2 | | 136.8 | 135.8 |
| 29S 23W 12BAC 01 | | 2547. | | | | | 178.4 | | 179.0 | | 178.3 | 178.5 |
| 29S 24W 01ABA 01 | TO | 2560. | 220 | 140 | | 142.0 | 142.4 | 142.3 | 143.3 | 143.5 | 144.3 | 144.4 |
| 29S 24W 13BCA 01 | | 2530. | 212 | | | 112.7 | 113.0 | 113.0 | 113.5 | | 114.1 | 114.1 |
| 29S 24W 18BAA 01 | TO | 2610. | 210 | 149 | | 157.1 | 157.4 | 157.3 | 156.8 | 157.6 | 158.0 | 158.6 |
| 29S 25W 03ADA 01 | TO | 2630. | 220 | 152 | | | 181.3 | 179.3 | 176.4 | 177.1 | 183.7 | 180.5 |
| 29S 25W 10BBBC01 | | 2617. | | 139 | | 152.3 | 154.7 | 154.9 | 155.9 | 157.7 | 161.5 | 158.4 |
| 29S 26W 01CDD 01 | TO | 2583. | 163 | 78 | | 91.6 | 92.3 | 91.0 | 93.4 | 91.9 | 92.5 | 94.3 |
| 29S 26W 20BDD 01 | | 2575. | 164 | | | | | | 99.9 | 103.6 | 101.8 | 102.1 |
| 29S 26W 29ABB 01 | | 2558. | | | | | | | 84.2 | 84.3 | 88.7 | 86.9 |
| 29S 26W 36BBB 01 | TO | 2532. | 212 | 26 | | 22.7 | 24.9 | 23.5 | 23.9 | 23.6 | 28.5 | 26.5 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, FORD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 25S 22W 20AAA 01 | TO | 59.8 | 6 | 2.9 | .3 | .1 | .1 | | | |
| 25S 22W 27CCD 01 | KD | 128.5 | | | .8 | | | | | |
| 25S 23W 11CCC 01 | KD | 53.4 | | | 9.8 | | | | | |
| 25S 23W 12BBB 01 | KD | 157.4 | | | 1.0 | | | | | |
| 25S 23W 14ADD 01 | KD | 213.5 | | | | | | | | |
| 25S 25W 32CDD 01 | QU, KD | 187.9 | | | .3 | | | | | |
| 25S 25W 32DAD 01 | | 73.5 | | | .3 | | | | | |
| 25S 26W 25CDD 01 | TO | 76.7 | 2 | | -4.7 | | | 108 | 110 | 2 |
| 25S 26W 30ABC 01 | TO | 111.3 | -7 | | -.4 | -.1 | | 121 | 114 | -6 |
| 26S 21W 17DBC 01 | KD | 60.8 | | | -2.1 | | | | | |
| 26S 21W 23ADA 01 | QA | 7.0 | -1 | .3 | .4 | | | | | |
| 26S 21W 25CCC 01 | | 5.2 | | | .6 | | | | | |
| 26S 22W 21DCD 01 | | 38.1 | | | 3.4 | | | | | |
| 26S 23W 02ABB 01 | | 79.9 | | | -.7 | | | | | |
| 26S 23W 10DAD 01 | KD | 176.9 | | | 3.1 | | | | | |
| 26S 24W 29DDD 01 | TO | 139.9 | -10 | | -2.7 | | | | | |
| 26S 24W 31DDA 01 | TO | 14.0 | -3 | | 2.1 | -.1 | | | | |
| 26S 24W 32CBA 01 | TO | 21.7 | -2 | | 1.6 | | | | | |
| 26S 24W 33CDA 01 | TO | 25.6 | | | 2.2 | | | | | |
| 26S 25W 16DCC 01 | | 139.9 | | | 3.6 | | | | | |
| 26S 26W 18CCB 01 | | 8.9 | | | 1.2 | | | | | |
| 26S 26W 32DCC 01 | | | | | | | | | | |
| 26S 26W 36DCC 01 | TO | 41.7 | -11 | | 5.7 | -.2 | | 137 | 126 | -8 |
| 27S 21W 10DBB 01 | | 6.2 | | | | | | | | |
| 27S 22W 09DAB 01 | | 59.5 | | | 0.0 | | | | | |
| 27S 23W 24BCB 01 | KD | 43.6 | | | -5.0 | | | | | |
| 27S 23W 28AAA 01 | | 37.3 | | | -1.4 | | | | | |
| 27S 23W 36CCC 01 | TO | 45.5 | 1 | | 0.0 | | | 101 | 102 | 1 |
| 27S 24W 03BBD 01 | TO | 24.2 | -5 | | .3 | -.1 | | | | |
| 27S 24W 03CDD 01 | TO | 10.7 | | | .8 | | | | | |
| 27S 24W 04BBC 01 | TO | 14.2 | -3 | | .2 | -.1 | | | | |
| 27S 24W 09AAD 01 | TO | 20.2 | -10 | | -.1 | -.2 | | | | |
| 27S 24W 16BDB 01 | | 76.2 | | | -.4 | | | | | |
| 27S 24W 26DAA 01 | TO | 92.4 | -13 | | -1.3 | -.3 | | 112 | 99 | -12 |
| 27S 25W 09ACA 01 | | 68.0 | | | .9 | | | | | |
| 27S 25W 25BBB 01 | | 117.9 | | | -.7 | | | | | |
| 28S 21W 10DDD 01 | | 41.6 | -1 | | .5 | | | | | |
| 28S 21W 23DBC 01 | TO | 73.8 | | | .8 | | | | | |
| 28S 21W 25ABB 01 | | 70.1 | | | .4 | | | | 79 | |
| 28S 22W 05ADD 01 | | 18.0 | | | -.4 | | | | | |

TABLE 1.-- SELECTED HYDROLOGIC DATA, FORD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 28S 22W 12CAC 01 | TO | 61.1 | 5 | | .1 | .1 | | 16 | 21 | 31 |
| 28S 22W 32BAB 01 | TO | 123.2 | -2 | | 6.5 | | | 40 | 38 | -5 |
| 28S 23W 18BAB 01 | | 137.2 | | | -.6 | | | | 102 | |
| 28S 23W 24ABB 01 | | 94.9 | | | -.2 | | | | | |
| 28S 24W 08DCC 01 | | 143.4 | -10 | | -2.6 | -.2 | | | | |
| 28S 24W 22CDA 01 | | 106.7 | | | -.3 | | | | | |
| 28S 24W 35CAB 01 | | 103.1 | | | -.8 | | | | 347 | |
| 28S 25W 06ABB 01 | | 150.8 | -7 | | -1.2 | -.1 | | | | |
| 28S 25W 19BBB 01 | TO | 144.9 | -12 | | .2 | -.3 | | 132 | 120 | -9 |
| 28S 26W 06AAB 01 | TO | | | | | | | | | |
| 28S 26W 10BAA 01 | | 99.9 | | | -.6 | | | | 92 | |
| 28S 26W 13CAA 01 | | 139.1 | | | .5 | | | | | |
| 29S 21W 05BBB 01 | TO | 99.8 | -2 | -3.2 | .4 | | -.1 | | | |
| 29S 21W 20CAD 01 | | 134.1 | | | -.3 | | | | | |
| 29S 22W 17DAD 01 | TO | 127.8 | -9 | | 0.0 | -.2 | | 121 | 112 | -7 |
| 29S 22W 36ACA 01 | | 135.8 | | | 1.0 | | | | 106 | |
| 29S 23W 12BAC 01 | | 178.5 | | | -.2 | | | | | |
| 29S 24W 01ABA 01 | TO | 144.4 | -4 | | -.1 | -.1 | | 80 | 76 | -5 |
| 29S 24W 13BCA 01 | | 114.1 | | | 0.0 | | | | 98 | |
| 29S 24W 18BAA 01 | TO | 158.6 | -10 | | -.6 | -.2 | | 61 | 51 | -16 |
| 29S 25W 03ADA 01 | TO | 180.5 | -29 | | 3.2 | -.6 | | 68 | 40 | -41 |
| 29S 25W 10BBBC01 | | 158.4 | -19 | | 3.1 | -.4 | | | | |
| 29S 26W 01CDD 01 | TO | 94.3 | -16 | | -1.8 | -.3 | | 85 | 69 | -19 |
| 29S 26W 20BDD 01 | | 102.1 | | | -.3 | | | | 62 | |
| 29S 26W 29ABB 01 | | 86.9 | | | 1.8 | | | | | |
| 29S 26W 36BBB 01 | TO | 26.5 | -1 | | 2.0 | | | 186 | 186 | |



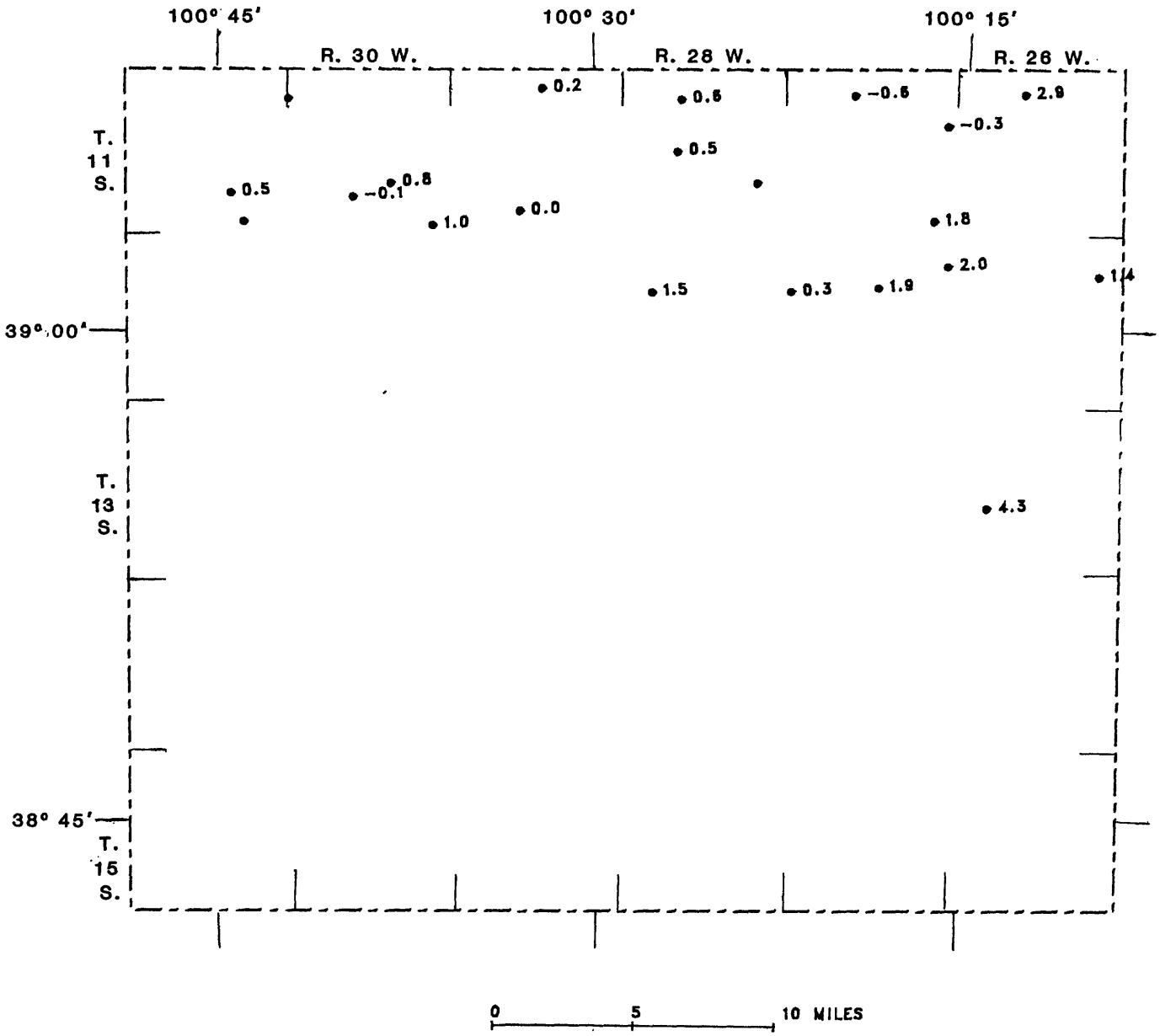

WATER–LEVEL CHANGE IN FORD COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GOVE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11S 26W 04CDC 01 | TO | 2583. | 190 | 62 | 60.0 | 65.7 | 62.8 | 64.7 | 63.6 | 62.5 | 67.4 | 64.5 |
| 11S 27W 04CCD 01 | TO | 2708. | | | | 97.3 | 96.3 | 96.5 | 93.7 | | 97.9 | 98.5 |
| 11S 27W 13ABB 01 | | 2671. | | | | | | | 118.3 | 115.4 | 118.5 | 118.8 |
| 11S 27W 36BCC 01 | TO | 2676. | 140 | 71 | | 78.1 | 77.6 | 78.2 | 77.3 | 75.8 | 76.6 | 74.8 |
| 11S 28W 08AAA 01 | | 2797. | | | | | | | 116.8 | 116.2 | 117.8 | 117.2 |
| 11S 28W 17DDC 01 | TO | 2784. | | | | | | | 95.9 | 95.4 | 95.9 | 95.4 |
| 11S 28W 26ABA 01 | | 2749. | | | | | | | 92.0 | 91.9 | 92.6 | |
| 11S 29W 04DAD 01 | TO | 2844. | 170 | 109 | | 112.9 | 112.9 | 113.4 | 113.0 | 112.9 | 113.2 | 113.0 |
| 11S 29W 33BBA 01 | | 2857. | | | | | | | 104.9 | 104.8 | 105.0 | 105.0 |
| 11S 30W 27ABB 01 | TO | 2922. | 165 | 117 | | 130.5 | 129.8 | 131.8 | 132.2 | 129.1 | 129.3 | 128.5 |
| 11S 30W 28CBA 01 | | 2925. | | | | | | | 125.0 | 124.1 | 124.8 | 124.9 |
| 11S 30W 36CBB 01 | | 2885. | | | | | | | 106.9 | 106.4 | 107.5 | 106.5 |
| 11S 31W 12AAB 01 | TO | 2959. | | | | | | | 103.6 | 105.0 | | 104.3 |
| 11S 31W 27ADC 01 | | 2913. | | | | | | | 49.5 | 51.8 | 50.7 | 50.2 |
| 11S 31W 35BDC 01 | | 2951. | | | | | | | 97.3 | 97.4 | 98.7 | |
| 12S 26W 12BCC 01 | TO | 2573. | | | | | | | 38.8 | 38.2 | 38.6 | 37.2 |
| 12S 27W 10CCB 01 | | 2700. | | | | | | | 78.7 | 77.9 | 79.7 | 77.8 |
| 12S 27W 12ABB 01 | TO | 2636. | | | | | | | 50.4 | 50.5 | 52.1 | 50.1 |
| 12S 28W 07DDD 01 | | 2742. | | | | | | | 48.4 | 48.8 | 49.5 | 48.0 |
| 12S 28W 12DDD 01 | TO | 2741. | | | | | | | 94.4 | 94.4 | 95.2 | 94.9 |
| 13S 26W 2CCBC 01 | QA | 2432. | 43 | | 11.1 | 14.8 | 10.6 | 16.5 | 16.3 | 15.8 | 16.4 | 12.1 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GOVE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 11S 26W 04CDC 01 | TO | 64.5 | -3 | -4.5 | 2.9 | -.1 | -.2 | 128 | 126 | -2 |
| 11S 27W 04CCD 01 | TO | 98.5 | | | -.6 | | | | | |
| 11S 27W 13ABB 01 | | 118.8 | | | -.3 | | | | | |
| 11S 27W 36BCC 01 | TO | 74.8 | -4 | | 1.8 | -.1 | | 69 | 65 | -6 |
| 11S 28W 08AAA 01 | | 117.2 | | | .6 | | | | | |
| 11S 28W 17DDC 01 | TO | 95.4 | | | .5 | | | | | |
| 11S 28W 26ABA 01 | | | | | | | | | | |
| 11S 29W 04DAD 01 | TO | 113.0 | -4 | | .2 | -.1 | | 61 | 57 | -7 |
| 11S 29W 33BBA 01 | | 105.0 | | | 0.0 | | | | | |
| 11S 30W 27ABB 01 | TO | 128.5 | -12 | | .8 | -.3 | | 48 | 37 | -23 |
| 11S 30W 28CBA 01 | | 124.9 | | | -.1 | | | | | |
| 11S 30W 36CBB 01 | | 106.5 | | | 1.0 | | | | | |
| 11S 31W 12AAB 01 | TO | 104.3 | | | | | | | | |
| 11S 31W 27ADC 01 | | 50.2 | | | .5 | | | | | |
| 11S 31W 35BDC 01 | | | | | | | | | | |
| 12S 26W 12BCC 01 | TO | 37.2 | | | 1.4 | | | | | |
| 12S 27W 10CCB 01 | | 77.8 | | | 1.9 | | | | | |
| 12S 27W 12ABB 01 | TO | 50.1 | | | 2.0 | | | | | |
| 12S 28W 07DDD 01 | | 48.0 | | | 1.5 | | | | | |
| 12S 28W 12DDD 01 | TO | 94.9 | | | .3 | | | | | |
| 13S 26W 20CBC 01 | QA | 12.1 | | -.9 | 4.3 | | | | 31 | |



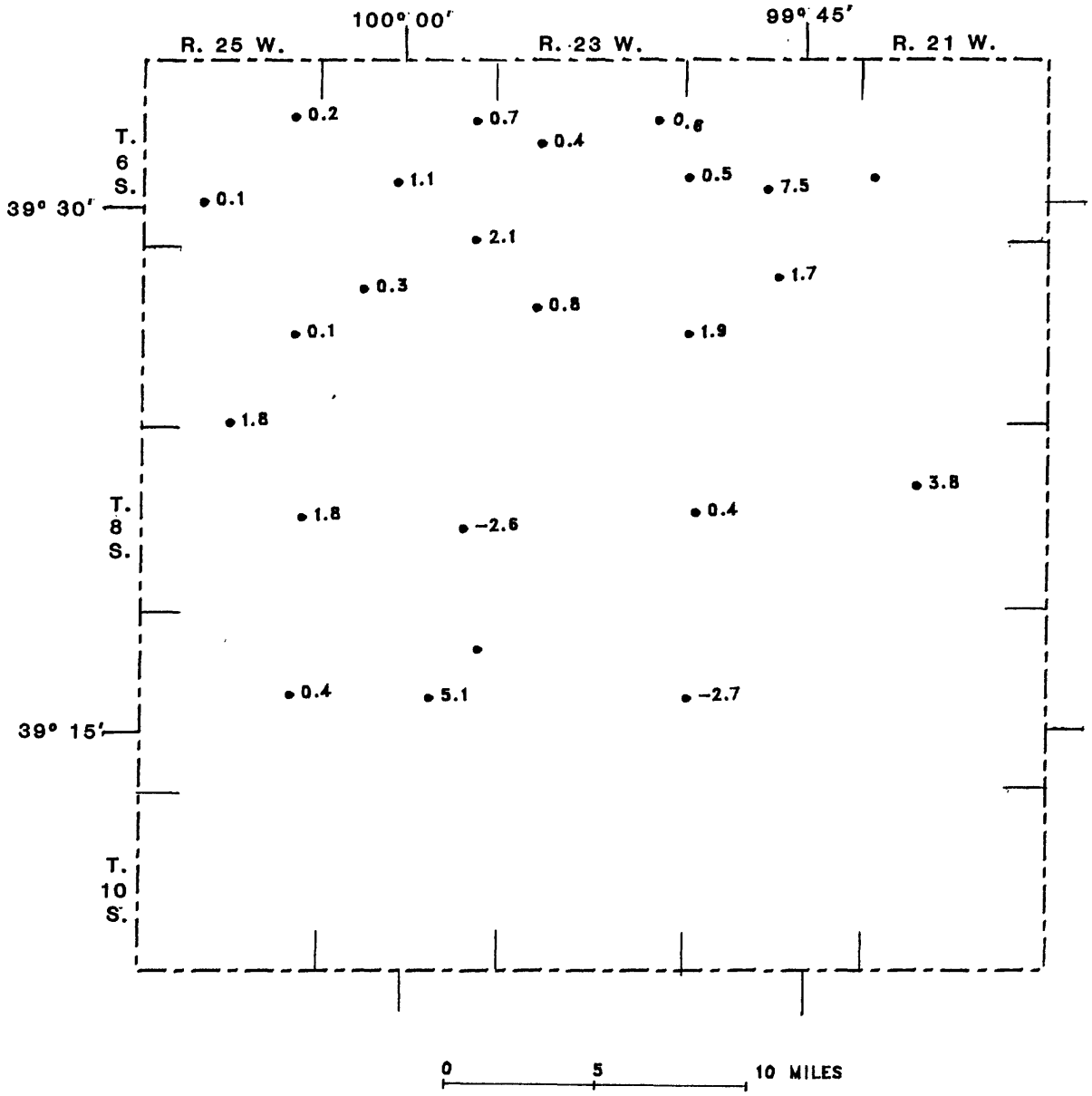

WATER–LEVEL CHANGE IN GOVE COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, GRAHAM COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06S 21W 19CDC 01 | TO | 2305. | 135 | | | 102.0 | 100.2 | | 100.9 | 100.5 | 99.8 | |
| 06S 22W 19CCC 01 | TO | 2395. | 198 | | | 108.7 | 108.6 | 108.6 | 109.0 | 108.6 | 108.2 | 107.7 |
| 06S 22W 28ACA 01 | TO | 2360. | 180 | | | 114.1 | 113.5 | 117.1 | | 121.0 | 120.2 | 112.7 |
| 06S 23W 13BBB 01 | TO | 2340. | 183 | 55 | | 58.2 | 58.0 | 58.1 | 57.7 | 57.5 | 57.6 | 57.0 |
| 06S 23W 17CCA 01 | | 2406. | | | | | | | 70.0 | 74.0 | 74.2 | 73.8 |
| 06S 24W 14AAA 01 | | 2527. | | | | | | | 116.8 | 116.5 | 116.9 | 116.2 |
| 06S 24W 28BAB 01 | TO | 2478. | | 96 | | 100.0 | 101.3 | | 103.7 | 101.2 | 101.9 | 100.8 |
| 06S 24W 35DDD 01 | TO | 2492. | | 142 | | 144.3 | 144.0 | 148.0 | 146.9 | 146.7 | 147.6 | 145.5 |
| 06S 25W 12CCC 01 | TO | 2538. | 224 | 135 | | | 141.4 | 144.9 | 142.1 | 142.0 | 142.5 | 142.3 |
| 06S 25W 28C8C 01 | TO | 2540. | 180 | 109 | 102.7 | 107.0 | 106.7 | 109.1 | 113.2 | 112.5 | 106.8 | 106.7 |
| 07S 22W 10BBC 01 | TO | 2217. | 72 | 6 | | 9.2 | 8.8 | 9.0 | 9.4 | 8.4 | 9.9 | 8.2 |
| 07S 22W 19BBB 01 | TO | 2295. | 63 | 39 | | 39.4 | 39.2 | 39.4 | 37.6 | 37.5 | 38.5 | 36.6 |
| 07S 23W 17BBC 01 | | 2430. | | | | | | | 103.8 | 103.3 | 103.0 | 102.2 |
| 07S 24W 08CBA 01 | TO | 2519. | 244 | 126 | | 126.9 | 126.3 | 128.4 | 127.8 | 127.2 | 127.7 | 127.4 |
| 07S 25W 24BBB 01 | TO | 2495. | 210 | 85 | | 86.7 | 86.9 | | | 87.7 | 88.1 | 88.0 |
| 07S 25W 33DDD 01 | | 2502. | | | | | | | 104.1 | 107.8 | 101.6 | 99.8 |
| 08S 21W 17ABB 01 | QA | 2035. | | | | 25.0 | | 26.3 | 24.6 | 23.8 | 26.6 | 22.8 |
| 08S 22W 18CDC 01 | QA | | | | | 9.1 | | 10.5 | 9.8 | 8.4 | 9.3 | 8.9 |
| 08S 24W 23ACC 01 | QA | | | | | 34.7 | | 34.1 | 35.7 | 33.4 | 31.9 | 34.5 |
| 08S 25W 24BAB 01 | | 2302. | | | | | | | 29.0 | 30.6 | 31.7 | 29.9 |
| 09S 22W 19BBB 01 | TO | 2416. | 134 | 95 | | 96.1 | 96.6 | 96.2 | 96.4 | 95.8 | 91.1 | 93.8 |
| 09S 24W 12BCC 01 | | 2461. | | | | | | | 100.8 | 100.0 | 98.8 | |
| 09S 24W 22BAA 01 | TO | 2491. | 110 | 94 | | 94.0 | 93.0 | 93.9 | 93.7 | 94.5 | 97.2 | 92.1 |
| 09S 25W 14DDD 01 | TO | 2534. | 134 | 90 | | 91.6 | 91.6 | 91.9 | 92.2 | 92.0 | 92.2 | 91.8 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GRAHAM COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 06S 21W 19CDC 01 | TO | | | | | | | | | |
| 06S 22W 19CCC 01 | TO | 107.7 | | | .5 | | | | 90 | |
| 06S 22W 28ACA 01 | TO | 112.7 | | | 7.5 | | | | 67 | |
| 06S 23W 13BBB 01 | TO | 57.0 | -2 | | .6 | -.1 | | 128 | 126 | -2 |
| 06S 23W 17CCA 01 | | 73.8 | | | .4 | | | | | |
| 06S 24W 14AAA 01 | | 116.2 | | | .7 | | | | | |
| 06S 24W 28BAB 01 | TO | 100.8 | -5 | | 1.1 | -.1 | | | | |
| 06S 24W 35DDD 01 | TO | 145.5 | -4 | | 2.1 | -.1 | | | | |
| 06S 25W 12CCC 01 | TO | 142.3 | -7 | | .2 | -.2 | | 89 | 82 | -8 |
| 06S 25W 28CBC 01 | TO | 106.7 | 2 | -4.0 | .1 | .1 | -.2 | 71 | 73 | 3 |
| 07S 22W 10BBC 01 | TO | 8.2 | -2 | | 1.7 | -.1 | | 66 | 64 | -3 |
| 07S 22W 19BBB 01 | TO | 36.6 | 2 | | 1.9 | .1 | | 24 | 26 | 8 |
| 07S 23W 17BBC 01 | | 102.2 | | | .8 | | | | | |
| 07S 24W 08CBA 01 | TO | 127.4 | -1 | | .3 | | | 118 | 117 | -1 |
| 07S 25W 24BBB 01 | TO | 88.0 | -3 | | .1 | -.1 | | 125 | 122 | -2 |
| 07S 25W 33DDD 01 | | 99.8 | | | 1.8 | | | | | |
| 08S 21W 17ABB 01 | QA | 22.8 | | | 3.8 | | | | | |
| 08S 22W 18CDC 01 | QA | 8.9 | | | .4 | | | | | |
| 08S 24W 23ACC 01 | QA | 34.5 | | | -2.6 | | | | | |
| 08S 25W 24BAB 01 | | 29.9 | | | 1.8 | | | | | |
| 09S 22W 19BBB 01 | TO | 93.8 | 1 | | -2.7 | | | 39 | 40 | 3 |
| 09S 24W 12BCC 01 | | | | | | | | | | |
| 09S 24W 22BAA 01 | TO | 92.1 | 2 | | 5.1 | .1 | | 16 | 18 | 13 |
| 09S 25W 14DDD 01 | TO | 91.8 | -2 | | .4 | -.1 | | 44 | 42 | -5 |




WATER–LEVEL CHANGE IN GRAHAM COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GRANT COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27S 35W 17ADD 01 | QU,TC | 3086. | 462 | 175 | 185.7 | 227.6 | 231.8 | 233.7 | 237.1 | 242.6 | 245.7 | 252.1 |
| 27S 35W 25BDC 01 | | 3046. | | | | 216.3 | 218.7 | 220.6 | 223.4 | 229.2 | 229.9 | 233.0 |
| 27S 36W 18DCB 01 | QU,TC | 3065. | 395 | 104 | 116.5 | 182.5 | 176.1 | 180.0 | 184.0 | 190.0 | 191.4 | 206.4 |
| 27S 36W 21DCC 01 | QU,TC | 3132. | | 199 | | 265.6 | | | 270.3 | 275.8 | 279.7 | 282.4 |
| 27S 36W 25CC 01 | QU,TC | 3133. | 438 | 216 | 253.6 | 290.3 | 296.7 | 299.7 | 311.0 | | 312.8 | 315.1 |
| 27S 37W 04ABB 01 | QU,TC | 3080. | 316 | 70 | 86.4 | 157.0 | 159.0 | 164.9 | 163.0 | 168.9 | 171.4 | 181.0 |
| 27S 37W 11ABA 01 | QU,TC | 3093. | 368 | 107 | 131.4 | 189.2 | 198.3 | 193.3 | 192.5 | 198.1 | 201.1 | 203.7 |
| 27S 37W 16AAD 01 | | 3075. | 324 | 54 | | | | | 233.1 | 228.9 | 221.2 | 222.3 |
| 27S 37W 21BDD 01 | | 3058. | | 58 | | 192.1 | 192.3 | 192.0 | 195.2 | 196.3 | 198.8 | 204.3 |
| 27S 38W 12ADC 01 | QU,TC | 3076. | 280 | 34 | 65.5 | 182.2 | 187.1 | 188.6 | 189.7 | 189.0 | 182.9 | 196.2 |
| 27S 38W 15BBB 01 | KJ | 3148. | | | 132.9 | 172.0 | 176.3 | 176.9 | 173.3 | 171.3 | 171.7 | 173.1 |
| 27S 38W 22CBB 01 | QU,TC | 3110. | 340 | 49 | 76.8 | 169.3 | 166.9 | 165.9 | 165.6 | 163.8 | 166.7 | |
| 27S 38W 23CBB 01 | QU,TC | 3105. | 335 | 50 | 98.2 | 155.8 | 152.9 | 154.0 | 160.6 | 163.2 | 161.7 | |
| 27S 38W 32BCC 01 | QU,TC | 3131. | 371 | 50 | 105.1 | 157.1 | 164.1 | 159.3 | 161.4 | 162.5 | 164.1 | |
| 28S 35W 03DBB 01 | | 3079. | | | | | | | 276.6 | 274.6 | 283.2 | |
| 28S 35W 05BCC 01 | QU,TC | 3117. | 457 | 237 | 253.2 | 307.5 | 309.1 | 309.7 | 312.8 | | 320.6 | 327.0 |
| 28S 35W 15CBB 01 | QU,TC | 3064. | 509 | 213 | 250.7 | 281.1 | 285.8 | 284.8 | 288.5 | 292.1 | 301.2 | 303.7 |
| 28S 35W 36ABC 01 | QU,TC | 3032. | 572 | 222 | 236.4 | 300.8 | 303.1 | 305.1 | 307.4 | 312.3 | 315.0 | 317.8 |
| 28S 36W 02CDD 02 | QU,TC,KJ | 3111. | | | 241.6 | 267.6 | 272.4 | 288.3 | 292.3 | 296.0 | 285.2 | 284.1 |
| 28S 36W 18ABC 01 | | 3050. | 345 | 95 | | | | | 223.8 | 228.7 | 234.5 | 237.7 |
| 28S 36W 21CDD 01 | QU,TC | 3066. | 430 | 158 | 193.8 | 269.8 | 263.6 | 276.1 | 278.0 | 278.4 | 282.2 | 287.0 |
| 28S 37W 02BBB 04 | | 3072. | | | | | | | 240.0 | 247.3 | 250.4 | 254.0 |
| 28S 37W 10BCD 02 | QU,TC | 3057. | 350 | 49 | 100.7 | 203.3 | 204.6 | 208.8 | 202.6 | 204.8 | 207.2 | 205.3 |
| 28S 38W 12DDD 01 | QU,TC | 3080. | 365 | 40 | 78.6 | 175.6 | 169.2 | 172.4 | 181.5 | 186.1 | 191.9 | |
| 28S 38W 17AAA 01 | QU,TC | 3112. | 422 | 41 | 118.1 | 205.6 | 204.7 | 200.2 | 206.3 | 209.1 | 223.0 | 210.0 |
| 28S 38W 33BDB 01 | | 3125. | | | | 222.4 | 208.4 | 197.7 | 205.2 | 209.7 | 216.1 | 219.5 |
| 29S 35W 07CBD 01 | QU,TC | 3036. | 441 | 168 | | | 275.8 | 275.4 | 275.1 | 277.4 | 275.2 | 279.5 |
| 29S 35W 24BAA 01 | TO | 3037. | 562 | 239 | | | | | 326.0 | 325.4 | 334.2 | 335.3 |
| 29S 35W 28ACC 01 | QU,TC | 2975. | 500 | 147 | 185.4 | 236.6 | 239.2 | 244.1 | 248.9 | 254.3 | 256.8 | 260.5 |
| 29S 36W 19BCB 01 | QU,TC | 2995. | 405 | 44 | 118.0 | 193.4 | 190.0 | 192.9 | 203.1 | 204.8 | 207.1 | 208.1 |
| 29S 36W 33ADB 01 | | 3011. | 466 | 91 | | | | | 226.9 | 227.0 | 226.5 | 231.9 |
| 29S 37W 03CDB 01 | QU,TC | 3051. | 421 | 71 | 133.0 | 229.4 | 218.1 | 222.8 | 220.0 | 230.3 | 230.8 | 239.7 |
| 29S 37W 08CBA 01 | QU,TC | 3065. | 430 | 46 | 114.5 | 212.0 | 215.1 | 218.1 | 220.8 | 230.2 | 230.6 | 247.2 |
| 29S 37W 29BBA 01 | QU,TC | 3094. | 504 | 74 | 148.0 | 250.0 | 255.2 | 257.1 | | 267.0 | 266.2 | 272.3 |
| 29S 38W 20CDC 01 | QU,TC,KJ | 3139. | 489 | 59 | 80.8 | 142.4 | 146.5 | 150.4 | 153.6 | 160.4 | 168.1 | 180.4 |
| 29S 38W 35CCD 01 | QU,TC | 3124. | 469 | 74 | 115.1 | 173.4 | 170.2 | 172.1 | 173.4 | 175.7 | 177.6 | 180.8 |
| 30S 35W 02DBC 01 | QU,TC | 3020. | 525 | 225 | 240.5 | | 313.5 | 315.3 | | | | |
| 30S 35W 19BCD 01 | QU,TC | 3004. | 474 | 134 | 153.3 | 198.8 | 198.8 | 202.1 | 200.9 | 198.8 | 193.1 | 204.8 |
| 30S 36W 01BBB 01 | QU,TC | 2973. | 463 | 98 | 130.4 | 198.7 | 200.0 | 200.9 | 205.0 | 220.0 | 207.8 | 207.6 |
| 30S 36W 04ABB 01 | QU,TC,KJ | 3033. | 493 | 113 | | 150.5 | 151.1 | 153.4 | 156.8 | | 162.1 | 166.5 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, GRANT COUNTY -- CONTINUED

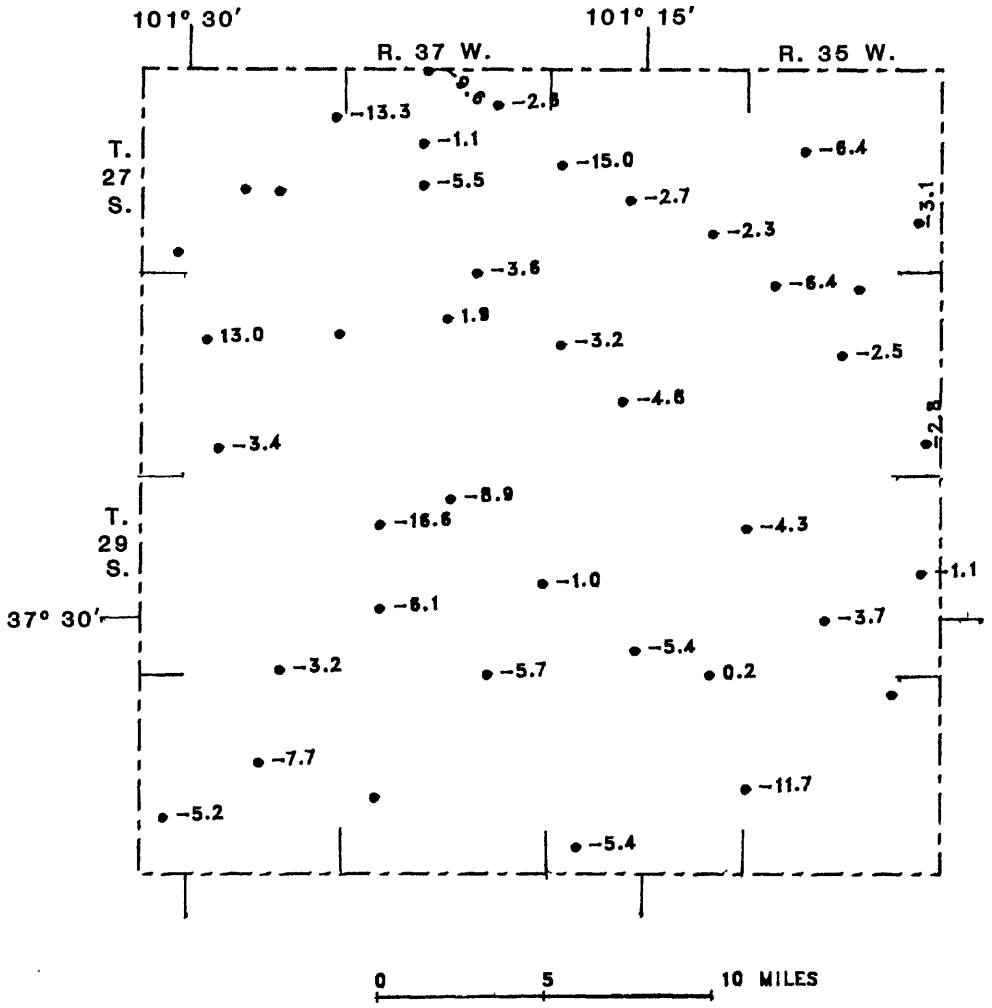
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30S 36W 32BBC 01 | QU,TC | 3064. | 384 | 113 | 122.5 | 152.0 | 161.9 | 166.3 | 170.8 | 160.4 | 162.9 | 168.3 |
| 30S 37W 02BAA 02 | QU,TC | 3102. | 507 | 122 | 221.7 | 291.5 | 291.4 | 292.0 | 296.5 | 299.5 | 300.6 | 306.3 |
| 30S 37W 03DBA 01 | QU,TC,KJ | 3108. | 458 | 120 | | 261.3 | 268.5 | 276.9 | 269.1 | 264.3 | | 273.6 |
| 30S 37W 20C8C 01 | QU | 3125. | 385 | 114 | 164.6 | 202.8 | 200.2 | 208.2 | 210.7 | 212.6 | | 221.2 |
| 30S 38W 13CCC 01 | QU,TC,KJ | 3142. | 467 | 102 | 146.7 | 207.9 | 204.3 | 199.7 | 205.6 | 206.0 | 211.6 | 217.5 |
| 30S 38W 15DBC 01 | QU | 3144. | 360 | 89 | 118.7 | 173.1 | 170.0 | 173.3 | 175.7 | 178.5 | 187.6 | 195.3 |
| 30S 38W 30ACA 01 | QU,TC | 3152. | 377 | 69 | 82.1 | 148.0 | 154.0 | 160.1 | 162.5 | 167.2 | 173.4 | 178.6 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, GRANT COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 27S 35W 17ADD 01 | QU,TO | 252.1 | -77 | -66.4 | -6.4 | -1.6 | -3.0 | 287 | 210 | -27 |
| 27S 35W 25BDC 01 | | 233.0 | | | -3.1 | | | | | |
| 27S 36W 18DCB 01 | QU,TO | 206.4 | -102 | -89.9 | -15.0 | -2.1 | -4.1 | 291 | 189 | -35 |
| 27S 36W 21DCC 01 | QU,TO | 282.4 | -83 | | -2.7 | -1.7 | | | | |
| 27S 36W 25CC 01 | QU,TO | 315.1 | -99 | -61.5 | -2.3 | -2.1 | -2.8 | 222 | 123 | -45 |
| 27S 37W 04ABB 01 | QU,TO | 181.0 | -111 | -94.6 | -9.6 | -2.3 | -4.3 | 246 | 135 | -45 |
| 27S 37W 11ABA 01 | QU,TO | 203.7 | -97 | -72.2 | -2.6 | -2.0 | -3.3 | 261 | 164 | -37 |
| 27S 37W 16AAD 01 | | 222.3 | -168 | | -1.1 | -3.5 | | 270 | 102 | -62 |
| 27S 37W 21BDD 01 | | 204.3 | -146 | | -5.5 | -3.0 | | | | |
| 27S 38W 12ADC 01 | QU,TO | 196.2 | -162 | -130.7 | -13.3 | -3.4 | -5.9 | 246 | 84 | -66 |
| 27S 38W 15BBB 01 | KJ | 173.1 | | -40.2 | -1.4 | | -1.8 | | | |
| 27S 38W 22CBB 01 | QU,TO | | | | | | | | | |
| 27S 38W 23CBB 01 | QU,TO | | | | | | | | | |
| 27S 38W 32BCC 01 | QU,TO | | | | | | | | | |
| 28S 35W 03DBB 01 | | | | | | | | | | |
| 28S 35W 05BCC 01 | QU,TO | 327.0 | -90 | -73.8 | -6.4 | -1.9 | -3.4 | 220 | 130 | -41 |
| 28S 35W 15CBB 01 | QU,TO | 303.7 | -91 | -53.0 | -2.5 | -1.9 | -2.4 | 296 | 205 | -31 |
| 28S 35W 36ABC 01 | QU,TO | 317.8 | -96 | -81.4 | -2.8 | -2.0 | -3.7 | 350 | 254 | -27 |
| 28S 36W 02CDD 02 | QU,TO,KJ | 284.1 | | -42.5 | 1.1 | | -1.9 | | | |
| 28S 36W 18ABC 01 | | 237.7 | -143 | | -3.2 | -3.0 | | 250 | 107 | -57 |
| 28S 36W 21CDD 01 | QU,TO | 287.0 | -129 | -93.2 | -4.8 | -2.7 | -4.2 | 272 | 143 | -47 |
| 28S 37W 02BBB 04 | | 254.0 | | | -3.6 | | | | | |
| 28S 37W 10BCD 02 | QU,TO | 205.3 | -156 | -104.6 | 1.9 | -3.3 | -4.8 | 301 | 145 | -52 |
| 28S 38W 12DDD 01 | QU,TO | | | | | | | | | |
| 28S 38W 17AAA 01 | QU,TO | 210.0 | -169 | -91.9 | 13.0 | -3.5 | -4.2 | 381 | 212 | -44 |
| 28S 38W 33BDB 01 | | 219.5 | | | -3.4 | | | | | |
| 29S 35W 07CBD 01 | QU,TO | 279.5 | -112 | | -4.3 | -2.3 | | 273 | 162 | -41 |
| 29S 35W 24BAA 01 | TO | 335.3 | -96 | | -1.1 | -2.0 | | 323 | 227 | -30 |
| 29S 35W 28ACC 01 | QU,TO | 260.5 | -114 | -75.0 | -3.7 | -2.4 | -3.4 | 353 | 240 | -32 |
| 29S 36W 19BCB 01 | QU,TO | 208.1 | -164 | -90.1 | -1.0 | -3.4 | -4.1 | 361 | 197 | -45 |
| 29S 36W 33ADB 01 | | 231.9 | -141 | | -5.4 | -2.9 | | 375 | 234 | -38 |
| 29S 37W 03CDB 01 | QU,TO | 239.7 | -169 | -106.7 | -8.9 | -3.5 | -4.9 | 350 | 181 | -48 |
| 29S 37W 08CBA 01 | QU,TO | 247.2 | -201 | -132.7 | -16.6 | -4.2 | -6.0 | 384 | 183 | -52 |
| 29S 37W 29BBA 01 | QU,TO | 272.3 | -198 | -124.3 | -6.1 | -4.1 | -5.7 | 430 | 232 | -46 |
| 29S 38W 20CDC 01 | QU,TO,KJ | 180.4 | -121 | -99.5 | -12.3 | -2.5 | -4.5 | | | |
| 29S 38W 35CCD 01 | QU,TO | 180.8 | -107 | -65.6 | -3.2 | -2.2 | -3.0 | 395 | 288 | -27 |
| 30S 35W 02DBC 01 | QU,TO | | | | | | | | | |
| 30S 35W 19BCD 01 | QU,TO | 204.8 | -71 | -51.5 | -11.7 | -1.5 | -2.3 | 340 | 269 | -21 |
| 30S 36W 01BBB 01 | QU,TO | 207.6 | -110 | -77.2 | .2 | -2.3 | -3.5 | 365 | 255 | -30 |
| 30S 36W 04ABB 01 | QU,TO,KJ | 166.5 | -54 | | -4.4 | -1.1 | | | | |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GRANT CCUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 30S 36W 32B8C 01 | QU,TO | 168.3 | -55 | -45.8 | -5.4 | -1.1 | -2.1 | 271 | 216 | -20 |
| 30S 37W 02BAA 02 | QU,TO | 306.3 | -184 | -84.6 | -5.7 | -3.8 | -3.8 | 385 | 201 | -48 |
| 30S 37W 03DBA 01 | QU,TO,KJ | 273.6 | -154 | | | -3.2 | | | | |
| 30S 37W 20CBC 01 | QU | 221.2 | -107 | -56.6 | | -2.2 | -2.6 | 271 | 164 | -39 |
| 30S 38W 13CCC 01 | QU,TO,KJ | 217.5 | -116 | -70.8 | -5.9 | -2.4 | -3.2 | | | |
| 30S 38W 15DBC 01 | QU | 195.3 | -106 | -76.6 | -7.7 | -2.2 | -3.5 | 271 | 165 | -39 |
| 30S 38W 30ACA 01 | QU,TO | 178.6 | -110 | -96.5 | -5.2 | -2.3 | -4.4 | 308 | 198 | -36 |




WATER–LEVEL CHANGE IN GRANT COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GRAY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24S 27W 08CCC 01 | QU,TC | 2697. | 138 | 66 | 59.1 | 71.7 | 72.2 | 73.2 | 75.0 | 74.0 | 75.2 | 73.9 |
| 24S 27W 14ABB 01 | QU,TC | 2654. | 92 | 74 | 66.2 | 64.4 | 63.9 | 64.1 | 64.9 | 68.1 | 65.4 | 64.2 |
| 24S 27W 29BCC 01 | | 2702. | 152 | 72 | | | | | 84.8 | 84.6 | 86.4 | 85.0 |
| 24S 28W 28BBA 01 | | 2750. | 240 | 93 | | | | | 108.1 | 108.3 | 109.7 | 110.0 |
| 24S 28W 31DD 01 | QU,TC | 2754. | 264 | 91 | 87.9 | 127.5 | 126.0 | 121.4 | 123.9 | 124.8 | 123.2 | 122.7 |
| 24S 28W 36ACA 01 | TO | 2720. | 135 | 85 | 83.3 | 96.7 | 97.4 | 97.1 | 97.0 | 97.3 | 98.3 | 97.9 |
| 24S 29W 16DCA 01 | QU,TC | 2787. | 222 | 98 | 96.2 | 109.0 | 110.8 | 112.2 | 112.9 | | 115.0 | 114.4 |
| 24S 29W 18CCB 01 | QU,TC | 2814. | 220 | 106 | 109.8 | 120.9 | 121.9 | 123.3 | 125.0 | 130.5 | 126.4 | 126.6 |
| 24S 30W 15CCC 01 | QU,TC | 2846. | 248 | 114 | 117.0 | 132.1 | 133.0 | 135.3 | 136.6 | 136.7 | 139.2 | 145.7 |
| 24S 30W 33ADD 01 | TO | 2857. | 282 | 130 | | | | | 156.2 | 149.9 | 149.9 | 151.7 |
| 25S 27W 33ABB 01 | QU,TC | 2728. | 249 | 134 | 131.8 | 138.4 | 138.7 | 138.7 | 138.6 | 138.7 | 139.1 | 140.9 |
| 25S 29W 07BCB 01 | QU,TC | 2830. | 281 | 131 | 129.0 | 149.9 | 146.9 | 143.1 | 144.3 | 143.8 | 145.6 | 145.5 |
| 25S 29W 14ABB 01 | QU,TC | 2776. | | 107 | 107.1 | 130.6 | 130.4 | 131.1 | | 132.4 | 133.2 | 131.8 |
| 25S 29W 27CCB 01 | | 2678. | 168 | 8 | | | | | 16.2 | 10.1 | 9.9 | 9.2 |
| 25S 30W 20BCB 01 | QU,TC | 2734. | 184 | 9 | 9.8 | 16.1 | 16.7 | 16.7 | 16.9 | 10.9 | 10.9 | 9.4 |
| 26S 27W 13BBC 01 | QU,TC | 2567. | 165 | 9 | 7.9 | 3.9 | 11.1 | 4.3 | 10.6 | 12.6 | 8.6 | 4.6 |
| 26S 27W 27CDD 01 | QU,TC | 2612. | 222 | 33 | | 46.5 | 46.9 | 47.0 | 49.2 | 50.4 | 53.7 | 54.2 |
| 26S 28W 06DDB 01 | | 2647. | 147 | 9 | | | | | 14.5 | 12.0 | 11.9 | 11.6 |
| 26S 29W 15BCA 01 | | 2732. | 232 | 62 | | | | | 86.8 | 89.3 | 91.5 | 91.7 |
| 26S 29W 35CCC 01 | QU,TC | 2742. | 242 | 72 | 71.6 | 95.9 | 94.6 | 96.1 | 98.7 | 101.6 | 103.4 | 106.8 |
| 26S 30W 01ABC 01 | | 2740. | | | | | | | | 67.7 | 69.1 | 67.3 |
| 26S 30W 24DDD 01 | QU,TC | 2754. | 253 | 54 | | 79.4 | 81.3 | 82.6 | 85.2 | 90.6 | 103.3 | 103.7 |
| 27S 27W 01BAA 01 | | 2631. | | | | | | | 82.5 | 85.1 | 86.2 | 87.3 |
| 27S 27W 07ADC 01 | QU,TC | 2686. | 186 | 82 | 74.0 | 92.8 | 104.3 | 94.6 | 95.9 | 94.1 | 99.5 | 101.4 |
| 27S 27W 10CDB 01 | QU,TC | 2712. | 235 | 131 | 123.4 | 139.4 | 141.0 | 141.0 | 142.8 | 144.3 | 145.7 | 147.3 |
| 27S 27W 25CCD 01 | QU,TC | 2732. | 228 | 167 | 163.8 | 178.4 | 179.2 | 178.6 | 180.0 | 181.0 | 183.1 | 183.7 |
| 27S 28W 05AAA 01 | QU,TC | 2707. | 228 | 66 | | 85.4 | 88.1 | 88.8 | 91.6 | 94.0 | 98.0 | 98.5 |
| 27S 28W 30CCA 01 | QU,TC | 2738. | 218 | 78 | | 98.1 | 101.1 | | 106.1 | 107.1 | | 110.9 |
| 27S 29W 27CAA 01 | | 2760. | 235 | 83 | | | | | 102.4 | 105.7 | 107.1 | 110.6 |
| 27S 30W 08BBB 01 | QU,TC | 2790. | 265 | 68 | 66.6 | 101.9 | 102.0 | | 109.0 | 110.5 | 115.7 | 114.8 |
| 27S 30W 23BBA 01 | QU,TC | 2772. | 247 | 68 | 63.9 | 99.7 | 102.3 | 103.7 | 105.4 | 108.8 | 112.2 | 113.6 |
| 27S 30W 34CCC 01 | QU,TC | 2807. | 404 | 102 | 101.0 | 138.0 | 141.4 | | 144.9 | 147.4 | 150.5 | 152.2 |
| 28S 27W 03BBB 01 | QU,TC | 2755. | 260 | 166 | | 177.7 | 178.9 | | 185.5 | 190.7 | 194.0 | 186.8 |
| 28S 28W 07CDD 01 | | 2775. | 250 | 117 | | | | | 178.0 | 182.8 | 187.5 | 189.1 |
| 28S 28W 20ADD 02 | QU,TC | 2795. | 220 | 145 | 146.2 | 150.1 | 149.8 | 148.0 | 148.5 | 147.8 | 149.1 | 150.1 |
| 28S 29W 16ACC 01 | QU,TC | 2799. | 299 | 121 | 125.0 | 157.0 | 157.9 | 158.6 | 159.6 | 161.0 | 162.0 | 162.9 |
| 28S 30W 10DDD 01 | QU,TC | 2814. | 469 | 115 | 120.9 | 159.2 | 161.8 | 162.5 | 164.7 | 167.8 | 170.4 | 171.8 |
| 28S 30W 17BBA 01 | TO | 2817. | 497 | 110 | 110.4 | | 163.7 | 157.4 | 159.9 | 163.1 | 165.5 | 167.5 |
| 28S 30W 24BAB 01 | QU,TC | 2804. | 429 | 114 | 119.5 | 157.5 | 160.2 | 160.6 | 161.7 | 164.0 | 167.1 | 168.9 |
| 29S 27W 30BCC 01 | QU,TC | 2655. | 280 | 87 | 103.0 | 125.7 | 128.7 | 130.4 | 131.5 | 133.1 | 135.7 | 139.1 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GRAY COUNTY -- CONTINUED

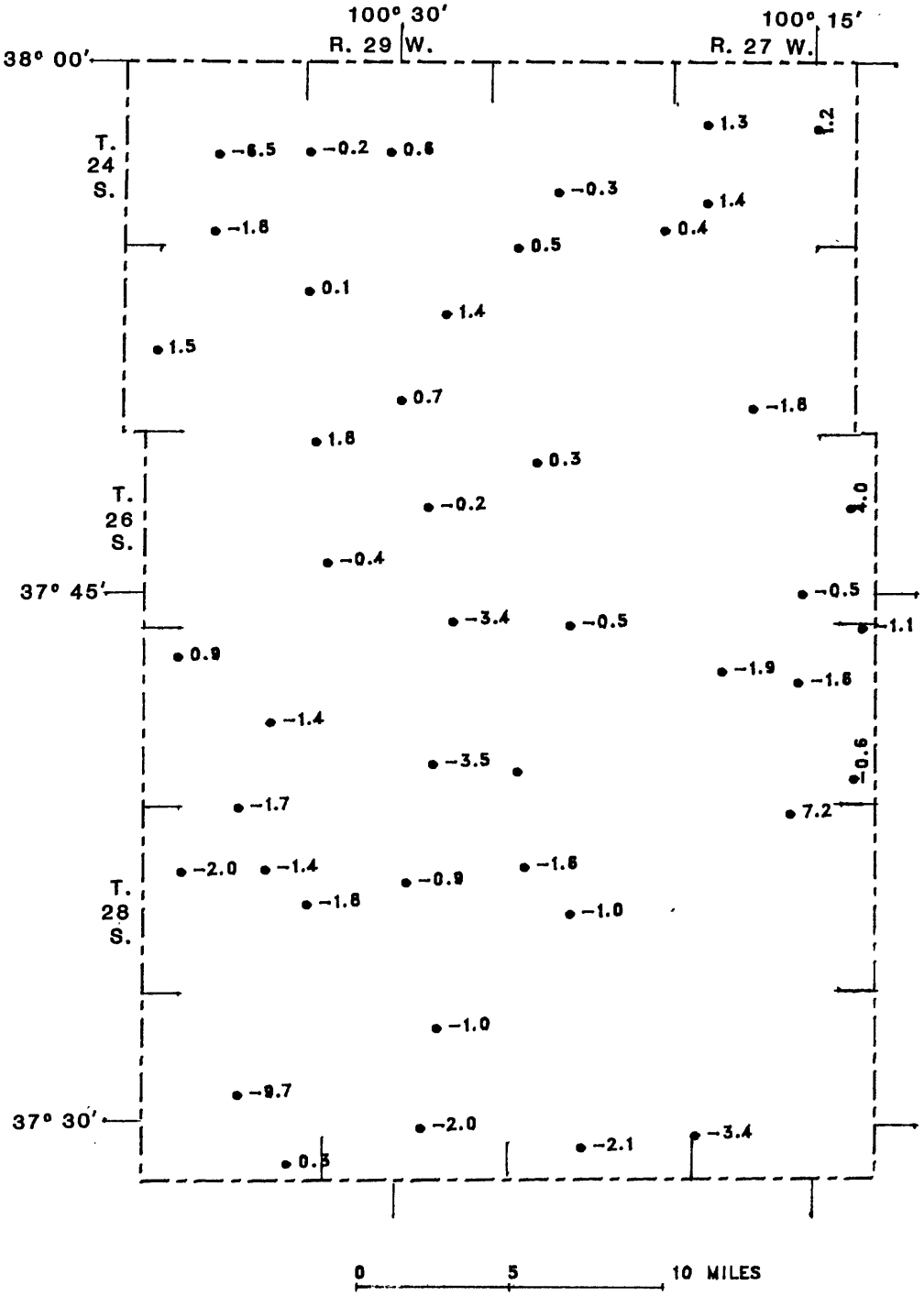
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29S 28W 28CDC 01 | TO | 2688. | 278 | 88 | 91.2 | 115.2 | 118.7 | | 120.2 | | 124.6 | 126.7 |
| 29S 29W 10ABB 01 | | 2745. | | | | 116.4 | 118.1 | | | 121.7 | 123.6 | 124.6 |
| 29S 29W 27BCB 01 | QU,TC | 2739. | 494 | 98 | 101.0 | 128.8 | 132.2 | 132.9 | 136.6 | 139.7 | 139.9 | 141.9 |
| 29S 30W 22BBC 01 | QU,TC | 2816. | 446 | 144 | 144.6 | 178.6 | | 182.0 | 180.5 | 180.1 | 182.4 | 192.1 |
| 29S 30W 35ACD 01 | QU,TC | 2805. | 445 | 146 | 147.8 | 190.1 | 193.2 | 193.8 | 195.3 | 204.1 | 203.9 | 203.6 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, GRAY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 24S 27W 08CCC 01 | QU,TO | 73.9 | -8 | -14.7 | 1.3 | -.2 | -.7 | 72 | 64 | -11 |
| 24S 27W 14ABB 01 | QU,TO | 64.2 | 10 | 2.0 | 1.2 | .2 | .1 | 18 | 28 | 56 |
| 24S 27W 29BCC 01 | | 85.0 | -13 | | 1.4 | -.3 | | 80 | 67 | -16 |
| 24S 28W 28BBA 01 | | 110.0 | -17 | | -.3 | -.4 | | 147 | 130 | -12 |
| 24S 28W 31DD 01 | QU,TO | 122.7 | -32 | -34.8 | .5 | -.7 | -1.6 | 173 | 141 | -18 |
| 24S 28W 36ACA 01 | TO | 97.9 | -13 | -14.5 | .4 | -.3 | -.7 | 50 | 37 | -26 |
| 24S 29W 16DCA 01 | QU,TO | 114.4 | -16 | -18.1 | .6 | -.3 | -.8 | 124 | 108 | -13 |
| 24S 29W 18CCB 01 | QU,TO | 126.6 | -21 | -16.8 | -.2 | -.4 | -.8 | 114 | 93 | -18 |
| 24S 30W 15CCC 01 | QU,TO | 145.7 | -32 | -28.7 | -6.5 | -.7 | -1.3 | 134 | 102 | -24 |
| 24S 30W 33ADD 01 | TO | 151.7 | -22 | | -1.8 | -.5 | | 152 | 130 | -14 |
| 25S 27W 33ABB 01 | QU,TO | 140.9 | -7 | -9.1 | -1.8 | -.1 | -.4 | 115 | 108 | -6 |
| 25S 29W 07BCB 01 | QU,TO | 145.5 | -15 | -16.5 | .1 | -.3 | -.8 | 150 | 136 | -9 |
| 25S 29W 14ABB 01 | QU,TO | 131.8 | -25 | -24.7 | 1.4 | -.5 | -1.1 | | | |
| 25S 29W 27CCB 01 | | 9.2 | -1 | | .7 | | | 160 | 159 | -1 |
| 25S 30W 20BCB 01 | QU,TO | 9.4 | | -.4 | 1.5 | | | 175 | 175 | |
| 26S 27W 13BBC 01 | QU,TO | 4.6 | 4 | 3.4 | 4.0 | .1 | .2 | 156 | 160 | 3 |
| 26S 27W 27CDD 01 | QU,TO | 54.2 | -21 | | -.5 | -.4 | | 189 | 168 | -11 |
| 26S 28W 06DCB 01 | | 11.6 | -3 | | .3 | -.1 | | 138 | 135 | -2 |
| 26S 29W 15BCA 01 | | 91.7 | -30 | | -.2 | -.6 | | 170 | 140 | -18 |
| 26S 29W 35CCC 01 | QU,TO | 106.8 | -35 | -35.2 | -3.4 | -.7 | -1.6 | 170 | 135 | -21 |
| 26S 30W 01ABC 01 | | 67.3 | | | 1.8 | | | | | |
| 26S 30W 24DDD 01 | QU,TO | 103.7 | -50 | | -.4 | -1.0 | | 199 | 149 | -25 |
| 27S 27W 01BAA 01 | | 87.3 | | | -1.1 | | | | | |
| 27S 27W 07ADC 01 | QU,TO | 101.4 | -19 | -27.4 | -1.9 | -.4 | -1.2 | 104 | 85 | -18 |
| 27S 27W 10CDB 01 | QU,TO | 147.3 | -16 | -23.8 | -1.6 | -.3 | -1.1 | 104 | 88 | -15 |
| 27S 27W 25CCD 01 | QU,TO | 183.7 | -17 | -19.9 | -.6 | -.4 | -.9 | 61 | 44 | -28 |
| 27S 28W 05AAA 01 | QU,TO | 98.5 | -33 | | -.5 | -.7 | | 162 | 130 | -20 |
| 27S 28W 30CCA 01 | QU,TO | 110.9 | -33 | | | -.7 | | 140 | 107 | -24 |
| 27S 29W 27CAA 01 | | 110.6 | -28 | | -3.5 | -.6 | | 152 | 124 | -18 |
| 27S 30W 08BBB 01 | QU,TO | 114.8 | -47 | -48.2 | .9 | -1.0 | -2.2 | 197 | 150 | -24 |
| 27S 30W 23BBA 01 | QU,TO | 113.6 | -46 | -49.7 | -1.4 | -1.0 | -2.3 | 179 | 133 | -26 |
| 27S 30W 34CCC 01 | QU,TO | 152.2 | -50 | -51.2 | -1.7 | -1.0 | -2.3 | 302 | 252 | -17 |
| 28S 27W 03BBB 01 | QU,TO | 186.8 | -21 | | 7.2 | -.4 | | 94 | 73 | -22 |
| 28S 28W 07CDD 01 | | 189.1 | -72 | | -1.6 | -1.5 | | 133 | 61 | -54 |
| 28S 28W 20ADD 02 | QU,TO | 150.1 | -5 | -3.9 | -1.0 | -.1 | -.2 | 75 | 70 | -7 |
| 28S 29W 16ACC 01 | QU,TO | 162.9 | -42 | -37.9 | -.9 | -.9 | -1.7 | 178 | 136 | -24 |
| 28S 30W 10DDD 01 | QU,TO | 171.8 | -57 | -50.9 | -1.4 | -1.2 | -2.3 | 354 | 297 | -16 |
| 28S 30W 17BBA 01 | TO | 167.5 | -58 | -57.1 | -2.0 | -1.2 | -2.6 | 387 | 330 | -15 |
| 28S 30W 24BAB 01 | QU,TO | 168.9 | -55 | -49.3 | -1.8 | -1.1 | -2.2 | 315 | 260 | -17 |
| 29S 27W 30BCC 01 | QU,TO | 139.1 | -52 | -36.1 | -3.4 | -1.1 | -1.6 | 193 | 141 | -27 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GRAY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 29S 28W 28CDC 01 | TO | 126.7 | -39 | -35.5 | -2.1 | -.8 | -1.6 | 190 | 151 | -21 |
| 29S 29W 10ABB 01 | | 124.6 | | | -1.0 | | | | | |
| 29S 29W 27BCB 01 | QU,TO | 141.9 | -44 | -40.8 | -2.0 | -.9 | -1.9 | 396 | 352 | -11 |
| 29S 30W 22BBC 01 | QU,TO | 192.1 | -48 | -47.5 | -9.7 | -1.0 | -2.2 | 302 | 254 | -16 |
| 29S 30W 35ACD 01 | QU,TO | 203.6 | -58 | -55.8 | .3 | -1.2 | -2.5 | 299 | 241 | -19 |



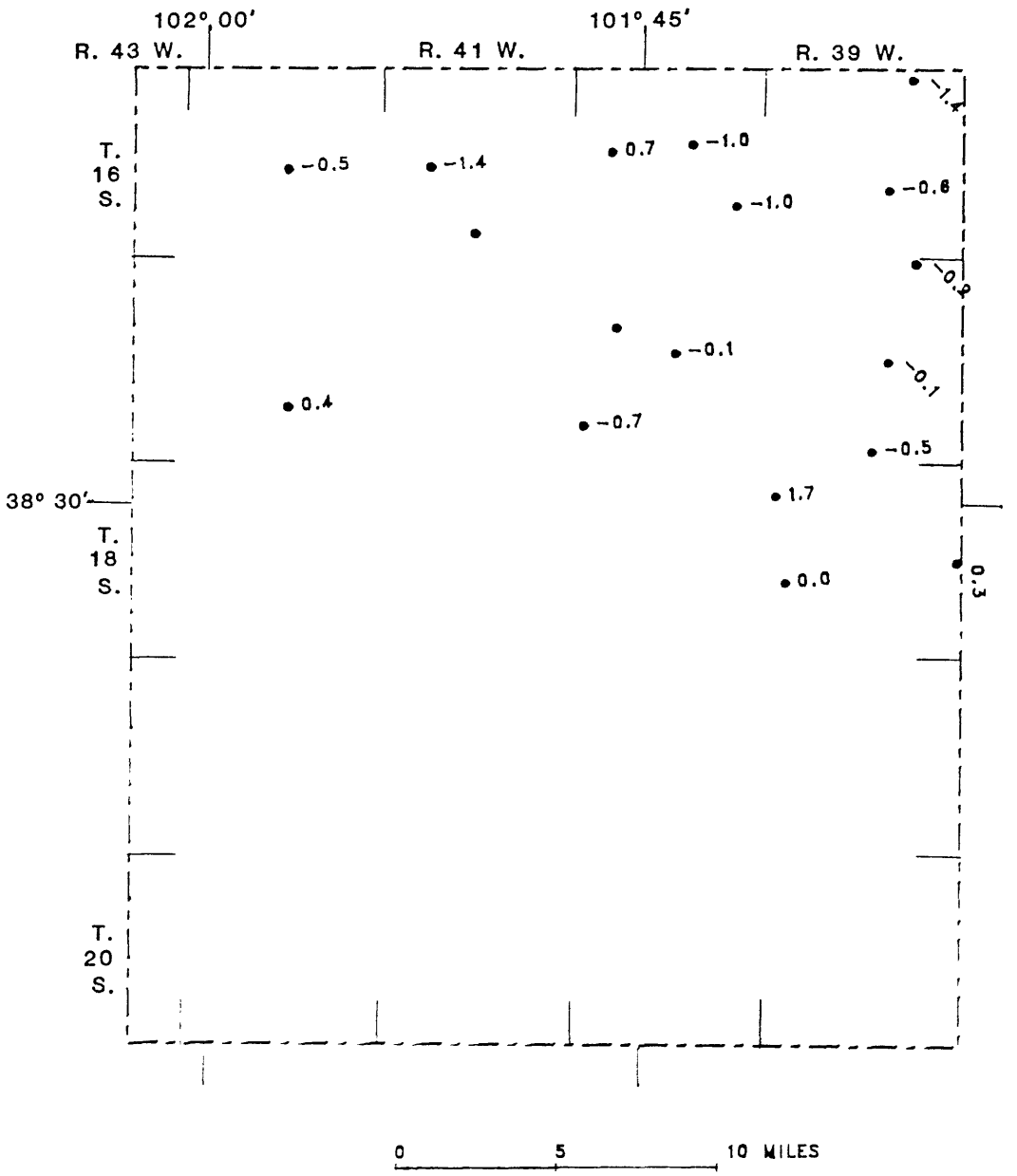

WATER–LEVEL CHANGE IN GRAY COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, GREELEY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16S 39W 02BDC 01 | TO | 3520. | 220 | 81 | | 136.4 | 134.6 | 136.0 | 137.7 | 137.5 | 139.7 | 141.1 |
| 16S 39W 22DCB 01 | TO | 3529. | 163 | 95 | 88.8 | 129.5 | 128.9 | 129.8 | 132.5 | 136.0 | 131.2 | 131.8 |
| 16S 40W 15ACC 01 | TO | 3650. | 192 | 114 | 119.9 | 149.2 | 149.5 | | 162.0 | 151.5 | 151.7 | 152.7 |
| 16S 40W 17C3C 01 | TO | 3688. | | | | | | | | 158.9 | 160.3 | 159.6 |
| 16S 40W 26ADA 01 | TO | 3602. | 157 | 93 | | 115.0 | 114.4 | 117.8 | | 117.0 | 118.0 | 119.0 |
| 16S 41W 20BAD 01 | TO | 3739. | 234 | 129 | 131.3 | 166.8 | 167.2 | 168.1 | 169.7 | 169.6 | 170.5 | 171.9 |
| 16S 41W 33AAB 01 | TO | 3746. | 202 | 156 | | 172.0 | 173.6 | 176.3 | | 174.8 | | 174.7 |
| 16S 42W 22BCB 01 | TO | 3828. | 237 | 183 | 198.5 | 205.2 | 198.9 | 197.3 | 199.5 | 209.7 | 200.3 | 200.8 |
| 17S 39W 02BAA 01 | TO | 3511. | 161 | 102 | | 114.0 | 114.9 | 116.5 | 117.1 | 117.6 | 117.6 | 117.8 |
| 17S 39W 22ABB 01 | TO | 3527. | 195 | 118 | 123.3 | 130.3 | 132.2 | 130.8 | 133.5 | 136.5 | 131.7 | 131.8 |
| 17S 39W 34CCB 01 | TO | 3505. | 135 | 95 | | 94.4 | 94.6 | 99.0 | 96.4 | 98.8 | 96.1 | 96.6 |
| 17S 40W 15CCB 01 | TO | 3607. | 209 | 123 | 127.0 | 138.0 | 138.1 | 138.7 | 138.6 | 138.3 | 138.8 | 138.9 |
| 17S 40W 17BBA 01 | TO | 3663. | 217 | 165 | | 185.1 | 185.5 | 185.4 | 184.7 | 179.4 | | 185.5 |
| 17S 40W 31BBA 01 | TO | 3663. | 218 | 151 | 168.1 | 167.5 | 164.8 | 167.7 | 164.2 | 165.7 | 163.4 | 164.1 |
| 17S 42W 27CBB 01 | TO | 3768. | 61 | 31 | | 38.7 | 36.3 | 38.1 | 37.2 | 36.6 | 37.0 | 36.6 |
| 18S 39W 07BBD 01 | TO | 3564. | 145 | 109 | | 116.2 | 116.3 | 116.2 | 118.6 | 116.2 | 116.3 | 114.6 |
| 18S 39W 19CDA 01 | TO | 3510. | 100 | 70 | | 72.0 | 72.4 | 73.4 | 73.6 | 74.0 | 74.2 | 74.2 |
| 18S 39W 24AAC 01 | TO | 3467. | 183 | 105 | | 136.7 | 136.9 | 140.7 | 142.3 | 135.3 | 135.1 | 134.8 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, GREELEY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16S 39W 02BDC 01 | TO | 141.1 | -60 | | -1.4 | -1.6 | | 139 | 79 | -43 |
| 16S 39W 22DCB 01 | TO | 131.8 | -37 | -43.0 | -.6 | -1.0 | -2.0 | 68 | 31 | -54 |
| 16S 40W 15ACC 01 | TO | 152.7 | -39 | -32.8 | -1.0 | -1.0 | -1.5 | 78 | 39 | -50 |
| 16S 40W 17CBC 01 | TO | 159.6 | | | .7 | | | | | |
| 16S 40W 26ADA 01 | TO | 119.0 | -26 | | -1.0 | -.7 | | 64 | 38 | -41 |
| 16S 41W 20BAD 01 | TO | 171.9 | -43 | -40.6 | -1.4 | -1.1 | -1.8 | 105 | 62 | -41 |
| 16S 41W 33AAB 01 | TO | 174.7 | -19 | | | -.5 | | 46 | 27 | -41 |
| 16S 42W 22BCB 01 | TO | 200.8 | -18 | -2.3 | -.5 | -.5 | -.1 | 54 | 36 | -33 |
| 17S 39W 02BAA 01 | TO | 117.8 | -16 | | -.2 | -.4 | | 59 | 43 | -27 |
| 17S 39W 22ABB 01 | TO | 131.8 | -14 | -8.4 | -.1 | -.4 | -.4 | 77 | 63 | -18 |
| 17S 39W 34CCB 01 | TO | 96.6 | -2 | | -.5 | -.1 | | 40 | 38 | -5 |
| 17S 40W 15CCB 01 | TO | 138.9 | -16 | -11.9 | -.1 | -.4 | -.5 | 86 | 70 | -19 |
| 17S 40W 17BBA 01 | TO | 185.5 | -21 | | | -.6 | | 52 | 32 | -38 |
| 17S 40W 31BBA 01 | TO | 164.1 | -13 | 4.1 | -.7 | -.3 | .2 | 67 | 54 | -19 |
| 17S 42W 27CBB 01 | TO | 36.6 | -6 | | .4 | -.2 | | 30 | 24 | -20 |
| 18S 39W 07BBD 01 | TO | 114.6 | -6 | | 1.7 | -.2 | | 36 | 30 | -17 |
| 18S 39W 19CDA 01 | TO | 74.2 | -4 | | 0.0 | -.1 | | 30 | 26 | -13 |
| 18S 39W 24AAC 01 | TO | 134.8 | -30 | | .3 | -.8 | | 78 | 48 | -38 |




WATER–LEVEL CHANGE IN GREELEY COUNTY, 1987–88

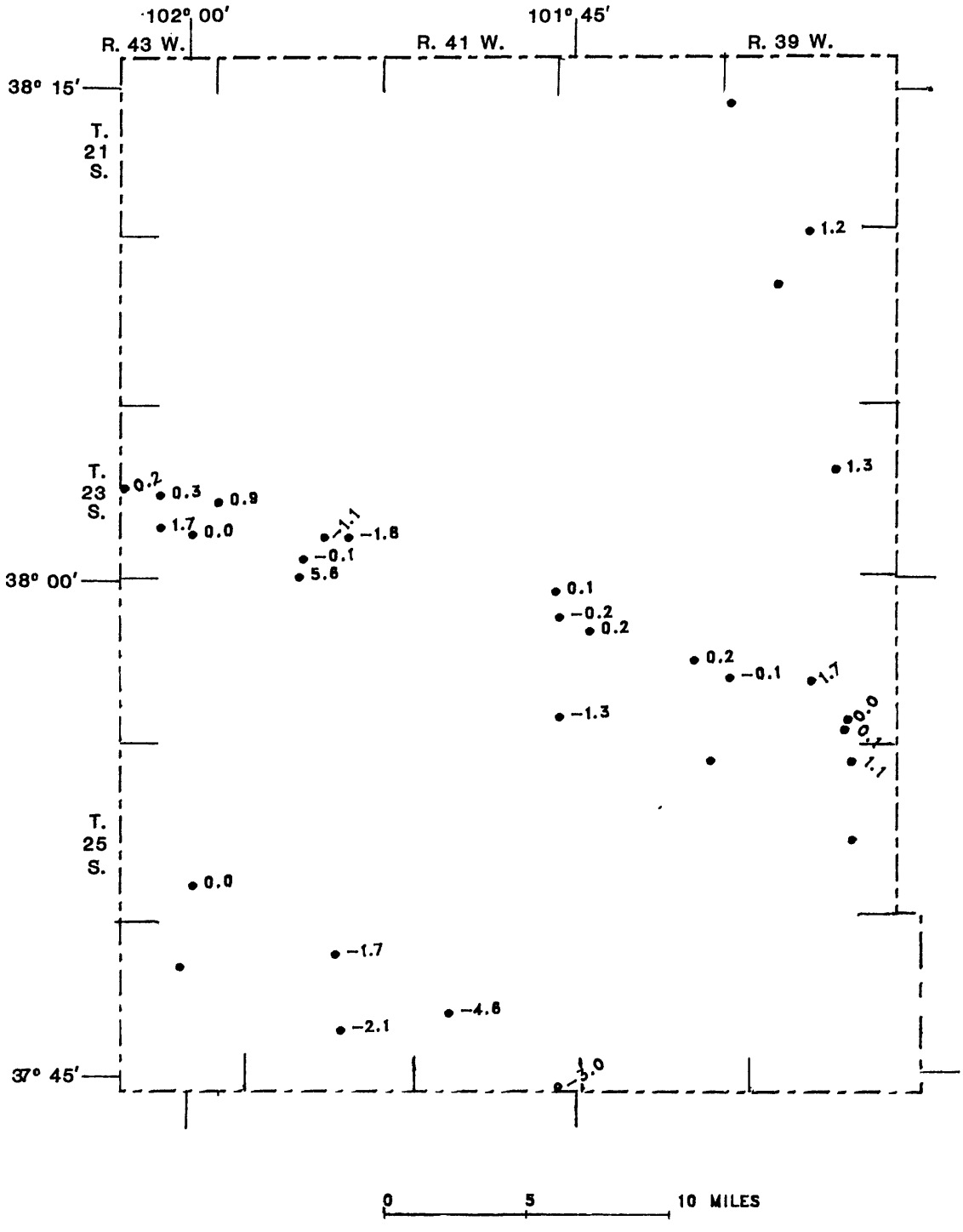
TABLE 1.-- SELECTED HYDRCLOGIC DATA, HAMILTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21S 39W 07CBA 01 | TO | 3497. | 215 | 196 | 194.0 | 189.6 | 185.7 | | 185.1 | 185.3 | 183.0 | |
| 22S 39W 03BBB 01 | TO | 3453. | 199 | | 191.2 | 183.4 | 183.2 | 183.3 | 182.8 | 183.4 | 183.2 | 182.0 |
| 22S 39W 08DDD 01 | TO | 3468. | 214 | | 178.5 | 176.7 | 176.5 | | 174.7 | 176.0 | 182.1 | |
| 23S 39W 15ADD 01 | QU,TC | 3325. | 144 | | 130.1 | 129.6 | 129.5 | 129.4 | 129.1 | 129.2 | 129.5 | 128.2 |
| 23S 40W 29DDB 01 | KU | 3397. | | | 240.3 | | 297.8 | 301.0 | 304.6 | 308.0 | 309.4 | 315.5 |
| 23S 42W 19CBB 01 | QA,QU | 3339. | 67 | 20 | 24.1 | 25.3 | 24.7 | 25.4 | 26.4 | 25.7 | 25.4 | 24.5 |
| 23S 42W 26DCA 01 | QA | 3309. | 70 | 29 | 23.7 | 27.9 | 28.4 | 27.5 | 26.4 | 25.9 | 26.2 | 28.0 |
| 23S 42W 27DDB 01 | QA | 3311. | 70 | 23 | 20.0 | 23.9 | 23.7 | | 23.1 | 22.9 | 21.9 | 23.0 |
| 23S 42W 34CBB 01 | QA | 3307. | 58 | 13 | 9.6 | 12.6 | 11.2 | 10.7 | 10.2 | 10.5 | 10.4 | 10.5 |
| 23S 43W 21ABA 01 | QA | 3364. | 29 | 15 | 15.0 | 15.6 | 13.9 | 13.5 | 12.2 | 12.5 | 13.0 | 12.8 |
| 23S 43W 23BCB 01 | QA | 3356. | 68 | 21 | 20.5 | 21.7 | 21.9 | 21.5 | 21.4 | 20.8 | 21.1 | 20.8 |
| 23S 43W 25CBD 02 | QA | 3335. | 47 | 8 | 8.8 | 9.5 | 9.0 | 8.3 | 8.5 | 8.3 | 8.0 | 8.0 |
| 23S 43W 26BCC 01 | QA | 3343. | 22 | 7 | 7.1 | 8.5 | 8.3 | 7.6 | 9.3 | 7.9 | 9.2 | 7.5 |
| 24S 39W 19CBC 01 | QA | 3175. | 65 | 6 | 6.7 | 10.7 | 9.8 | 8.9 | 9.0 | 8.4 | 8.7 | 8.8 |
| 24S 39W 22CCB 01 | QA | 3152. | 42 | 8 | 11.8 | 11.9 | | 10.6 | 10.5 | 11.7 | 12.7 | 11.0 |
| 24S 39W 35BAC 01 | QA | 3143. | 43 | 9 | 5.4 | 10.0 | 9.8 | 8.8 | 8.6 | 8.5 | 8.7 | 8.7 |
| 24S 39W 35CBA 01 | QU | 3146. | 97 | 11 | 11.4 | 17.2 | 16.4 | 15.5 | 15.3 | 15.1 | 15.4 | 15.3 |
| 24S 40W 07CBB 01 | QA | 3233. | 58 | 14 | 13.9 | 16.2 | 16.4 | 15.2 | 15.0 | 13.4 | 14.9 | 15.1 |
| 24S 40W 17BBB 01 | QA | 3221. | 71 | 13 | | 15.7 | 15.6 | 14.8 | 14.6 | 13.4 | 14.0 | 13.8 |
| 24S 40W 23AAB 01 | QA | 3204. | 104 | 26 | 24.4 | 28.0 | 27.3 | 27.0 | 26.5 | 23.6 | 25.6 | 25.4 |
| 24S 40W 31BBB 01 | QU | 3287. | | | 63.6 | 65.2 | 65.1 | 64.9 | 65.1 | 66.7 | 64.4 | 65.7 |
| 24S 41W 01DAD 01 | QA,QL | 3254. | 45 | | 14.7 | 24.4 | 25.8 | 26.1 | 25.8 | 25.4 | 25.0 | 24.9 |
| 24S 42W 04AAD 01 | QA | 3304. | 44 | 7 | 6.5 | 12.1 | 14.3 | 13.5 | 12.7 | 10.1 | 9.7 | 4.1 |
| 24S 42W 28DDD 01 | KJ | 3455. | | | 160.0 | 163.8 | 163.3 | 164.4 | 164.5 | | 165.3 | 166.0 |
| 24S 43W 14CBB 01 | KJ | 3452. | | 114 | 110.8 | 115.4 | 118.2 | 117.8 | 117.5 | 119.6 | 120.2 | 117.6 |
| 25S 39W 02CAD 01 | QU,TC | 3156. | 46 | 24 | 27.9 | 32.8 | 34.5 | 33.2 | 32.7 | | 34.7 | 33.6 |
| 25S 39W 23BDD 01 | QU,TC | 3286. | 133 | | 78.7 | 92.2 | 91.3 | 91.4 | 91.1 | 90.8 | | |
| 25S 40W 01CA 01 | QU | 3218. | 58 | 46 | 45.8 | 51.1 | 51.0 | 50.8 | 48.2 | | | |
| 25S 40W 26BBB 01 | KJ | 3412. | | 213 | 215.0 | 221.3 | 221.8 | 221.5 | 221.6 | 221.6 | 224.7 | 224.0 |
| 25S 43W 03ABB 01 | KJ | 3575. | | | 190.5 | 259.6 | 261.7 | 266.2 | 261.6 | 248.3 | 266.0 | 275.9 |
| 25S 43W 21AAB 01 | KJ | 3522. | | | 129.4 | 142.0 | 143.1 | 139.1 | 142.3 | 140.0 | 137.1 | 134.8 |
| 25S 43W 25CCD 01 | QU,TC | 3490. | 225 | 101 | 121.4 | 147.4 | 147.6 | 147.4 | | 148.6 | 150.4 | 150.4 |
| 26S 41W 12DCC 01 | KJ | 3379. | | | 186.5 | 219.5 | 224.1 | 226.3 | 229.6 | | | |
| 26S 41W 2CBCD 01 | QU,TC | 3317. | 242 | 17 | 20.7 | 32.2 | 33.0 | 33.2 | 33.1 | 32.4 | 34.7 | 39.3 |
| 26S 41W 36CCC 01 | QU,TC | 3270. | 231 | 35 | 29.0 | 49.6 | 52.4 | 54.3 | 56.4 | 56.6 | 59.2 | 62.2 |
| 26S 42W 1CBB 02 | QU,TC | 3405. | 245 | 52 | 77.2 | 106.6 | 108.4 | 108.2 | 110.1 | 112.2 | 115.0 | 116.7 |
| 26S 42W 17CBB 01 | QU,TC,KJ | 3458. | | | 108.1 | 163.2 | | 167.0 | 169.4 | 170.8 | | 172.3 |
| 26S 42W 22CDB 01 | QU,TC | 3412. | 212 | 77 | 93.1 | 153.5 | 162.2 | 159.0 | 164.5 | 163.7 | 168.2 | 170.3 |
| 26S 43W 10DBB 01 | | 3516. | 241 | 118 | | | | | 232.1 | 233.1 | | 238.0 |
| 26S 43W 25DCC 01 | QU,TC,KJ | 3508. | 258 | 128 | | 207.5 | 209.8 | 211.4 | 213.4 | 222.0 | 218.7 | 220.9 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, HAMILTON COUNTY -- CONTINUED



| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21S 39W 07CBA 01 | TO | | | | | | | | | |
| 22S 39W 03BBB 01 | TO | 182.0 | | 9.3 | 1.2 | | .4 | | 17 | |
| 22S 39W 08DDD 01 | TO | | | | | | | | | |
| 23S 39W 15ADD 01 | QU,TO | 128.2 | | 1.9 | 1.3 | | .1 | | 16 | |
| 23S 40W 29DDB 01 | KU | 315.5 | | -75.2 | -6.1 | | -3.4 | | | |
| 23S 42W 19CBB 01 | QA,QU | 24.5 | -5 | -.4 | .9 | -.1 | | 47 | 43 | -9 |
| 23S 42W 26DCA 01 | QA | 28.0 | 1 | -4.2 | -1.8 | | -.2 | 41 | 42 | 2 |
| 23S 42W 27DDB 01 | QA | 23.0 | | -3.0 | -1.1 | | -.1 | 47 | 47 | |
| 23S 42W 34CBB 01 | QA | 10.5 | 3 | -.8 | -.1 | .1 | | 45 | 48 | 7 |
| 23S 43W 21ABA 01 | QA | 12.8 | 2 | 2.3 | .2 | | .1 | 14 | 16 | 14 |
| 23S 43W 23BCB 01 | QA | 20.8 | | -.2 | .3 | | | 47 | 47 | |
| 23S 43W 25CBD 02 | QA | 8.0 | | .8 | 0.0 | | | 39 | 39 | |
| 23S 43W 26BCC 01 | QA | 7.5 | -1 | -.4 | 1.7 | | | 15 | 15 | |
| 24S 39W 19CBC 01 | QA | 8.8 | -3 | -2.1 | -.1 | -.1 | -.1 | 59 | 56 | -5 |
| 24S 39W 22CCB 01 | QA | 11.0 | -3 | .8 | 1.7 | -.1 | | 34 | 31 | -9 |
| 24S 39W 35BAC 01 | QA | 8.7 | | -3.3 | 0.0 | | -.2 | 34 | 34 | |
| 24S 39W 35CBA 01 | QU | 15.3 | -4 | -3.9 | .1 | -.1 | -.2 | 86 | 82 | -5 |
| 24S 40W 07CBB 01 | QA | 15.1 | -1 | -1.2 | -.2 | | -.1 | 44 | 43 | -2 |
| 24S 40W 17BBB 01 | QA | 13.8 | -1 | | .2 | | | 58 | 57 | -2 |
| 24S 40W 23AAB 01 | QA | 25.4 | 1 | -1.0 | .2 | | | 78 | 79 | 1 |
| 24S 40W 31BBB 01 | QU | 65.7 | | -2.1 | -1.3 | | -.1 | | | |
| 24S 41W 01DAD 01 | QA,QU | 24.9 | | -10.1 | .1 | | -.5 | | 20 | |
| 24S 42W 04AAD 01 | QA | 4.1 | 3 | 2.5 | 5.6 | .1 | .1 | 37 | 40 | 8 |
| 24S 42W 28DDD 01 | KJ | 166.0 | | -6.0 | -.7 | | -.3 | | | |
| 24S 43W 14CBB 01 | KJ | 117.6 | -4 | -6.7 | 2.6 | -.1 | -.3 | | | |
| 25S 39W 02CAD 01 | QU,TO | 33.6 | -10 | -5.7 | 1.1 | -.2 | -.3 | 22 | 12 | -45 |
| 25S 39W 23BDD 01 | QU,TO | | | | | | | | | |
| 25S 40W 01CA 01 | QU | | | | | | | | | |
| 25S 40W 26BBB 01 | KJ | 224.0 | -11 | -9.0 | .7 | -.2 | -.4 | | | |
| 25S 43W 03ABB 01 | KJ | 275.9 | | -85.3 | -9.9 | | -3.9 | | | |
| 25S 43W 21AAB 01 | KJ | 134.8 | | -5.3 | 2.3 | | -.2 | | | |
| 25S 43W 25CCD 01 | QU,TO | 150.4 | -49 | -29.0 | 0.0 | -1.0 | -1.3 | 124 | 75 | -40 |
| 26S 41W 12DCC 01 | KJ | | | | | | | | | |
| 26S 41W 20BCD 01 | QU,TO | 39.3 | -22 | -18.6 | -4.6 | -.5 | -.8 | 225 | 203 | -10 |
| 26S 41W 36CCC 01 | QU,TO | 62.2 | -27 | -33.2 | -3.0 | -.6 | -1.5 | 196 | 169 | -14 |
| 26S 42W 10BB 02 | QU,TO | 116.7 | -65 | -39.5 | -1.7 | -1.4 | -1.8 | 193 | 128 | -34 |
| 26S 42W 17CBB 01 | QU,TO,KJ | 172.3 | | -64.1 | | | -2.9 | | | |
| 26S 42W 22CDB 01 | QU,TO | 170.3 | -93 | -77.2 | -2.1 | -1.9 | -3.5 | 135 | 42 | -69 |
| 26S 43W 10DBB 01 | | 238.0 | -120 | | | -2.5 | | 123 | 3 | -98 |
| 26S 43W 25DCC 01 | QU,TO,KJ | 220.9 | -93 | | -2.2 | -1.9 | | | | |



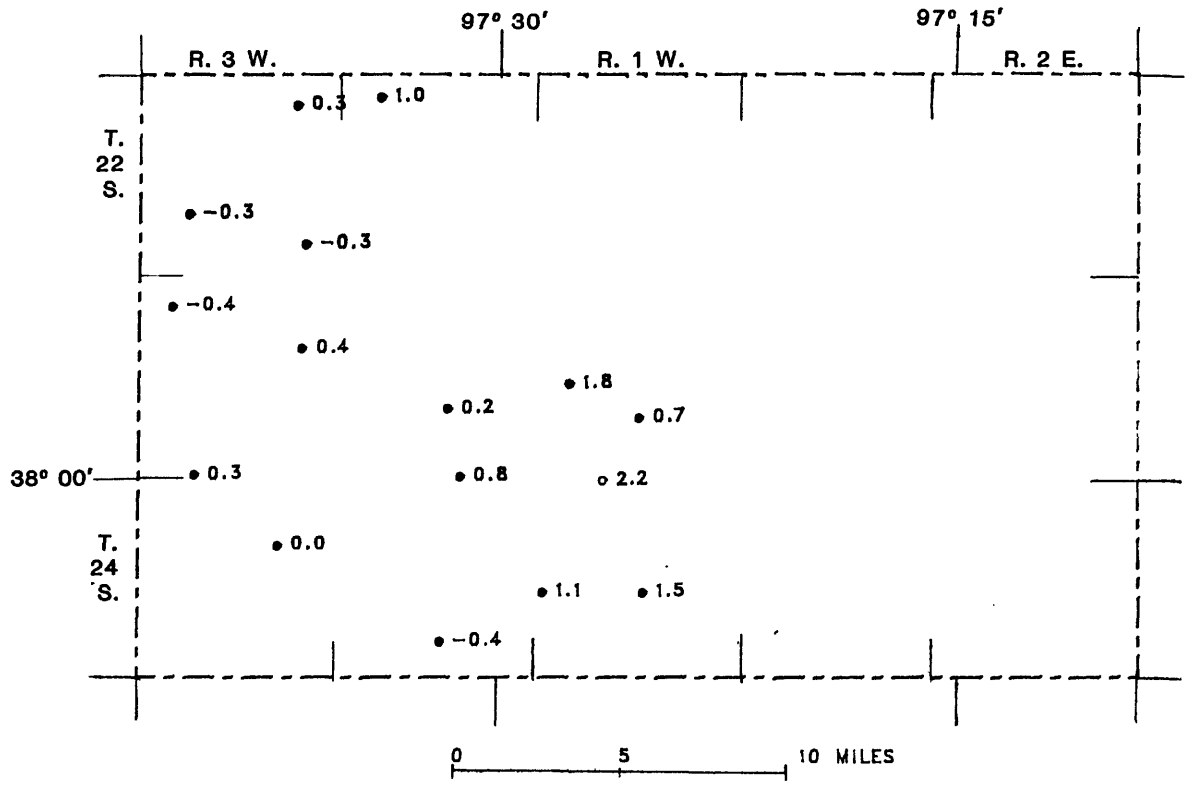

WATER–LEVEL CHANGE IN HAMILTON COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, HARVEY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22S 02W 05CBD 01 | | 1468. | | | | | | | 48.3 | 47.7 | 47.3 | 46.3 |
| 22S 03W 02DCD 01 | QU | 1450. | | | | | | 40.3 | 39.4 | 34.1 | 33.9 | 33.6 |
| 22S 03W 29BAD 01 | QU | 1430. | | | | | | | 15.8 | 6.9 | 9.3 | 9.6 |
| 22S 03W 35AAA 01 | QU | 1420. | | | | | | | 10.9 | 6.1 | 6.9 | 7.2 |
| 23S 01W 19AAC 01 | QU | 1420. | | | | | | 33.1 | 33.1 | 31.6 | 31.5 | 29.7 |
| 23S 01W 28AAD 01 | | 1403. | | | | | | | 22.2 | 19.5 | 20.2 | 19.5 |
| 23S 02W 22CCD 01 | QU | 1395. | | | | | | | 16.3 | 12.8 | 14.2 | 14.0 |
| 23S 02W 34DCC 01 | QU | 1398. | | | | 13.7 | 13.6 | 13.5 | 14.8 | 13.3 | 12.5 | 11.7 |
| 23S 03W 06DDD 01 | QU | 1495. | | | | | | | 73.2 | 65.9 | 67.5 | 67.9 |
| 23S 03W 14AAC 01 | QU | 1450. | | | | | | | 37.3 | 32.8 | 32.9 | 33.3 |
| 23S 03W 32DCC 02 | QU | 1444. | | | | 9.1 | 9.2 | 9.6 | 9.7 | 8.2 | 8.5 | 8.2 |
| 24S 01W 05AAB 01 | | 1394. | | | | | | | | 22.3 | 24.0 | 21.8 |
| 24S 01W 19BCC 01 | QU | 1383. | | | | | | | 23.0 | 18.6 | 20.1 | 19.0 |
| 24S 01W 22BCC 01 | QU | 1390. | | | | | | | 27.8 | 24.6 | 26.8 | 25.3 |
| 24S 02W 28DDD 01 | QU,QU | 1403. | | | | 36.9 | 35.5 | 35.3 | 36.6 | 34.5 | 27.9 | 28.3 |
| 24S 03W 14BBB 01 | QU | 1430. | | | | 15.6 | 15.1 | 15.2 | 15.3 | 15.3 | 15.3 | 15.3 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, HARVEY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 22S 02W 05C8D 01 | | 46.3 | | | 1.0 | | | | | |
| 22S 03W 02DCD 01 | QU | 33.6 | | | .3 | | | | | |
| 22S 03W 29BAD 01 | QU | 9.6 | | | -.3 | | | | | |
| 22S 03W 35AAA 01 | QU | 7.2 | | | -.3 | | | | | |
| 23S 01W 19AAC 01 | QU | 29.7 | | | 1.8 | | | | | |
| 23S 01W 28AAD 01 | | 19.5 | | | .7 | | | | | |
| 23S 02W 22CCD 01 | QU | 14.0 | | | .2 | | | | | |
| 23S 02W 34DCC 01 | QU | 11.7 | | | .8 | | | | | |
| 23S 03W 06DDD 01 | QU | 67.9 | | | -.4 | | | | | |
| 23S 03W 14AAC 01 | QU | 33.3 | | | .4 | | | | | |
| 23S 03W 32DCC 02 | QU | 8.2 | | | .3 | | | | | |
| 24S 01W 05AAB 01 | | 21.8 | | | 2.2 | | | | | |
| 24S 01W 19BCC 01 | QU | 19.0 | | | 1.1 | | | | | |
| 24S 01W 22BCC 01 | QU | 25.3 | | | 1.5 | | | | | |
| 24S 02W 28DDD 01 | QU | 28.3 | | | -.4 | | | | | |
| 24S 03W 14BBB 01 | QU | 15.3 | | | 0.0 | | | | | |



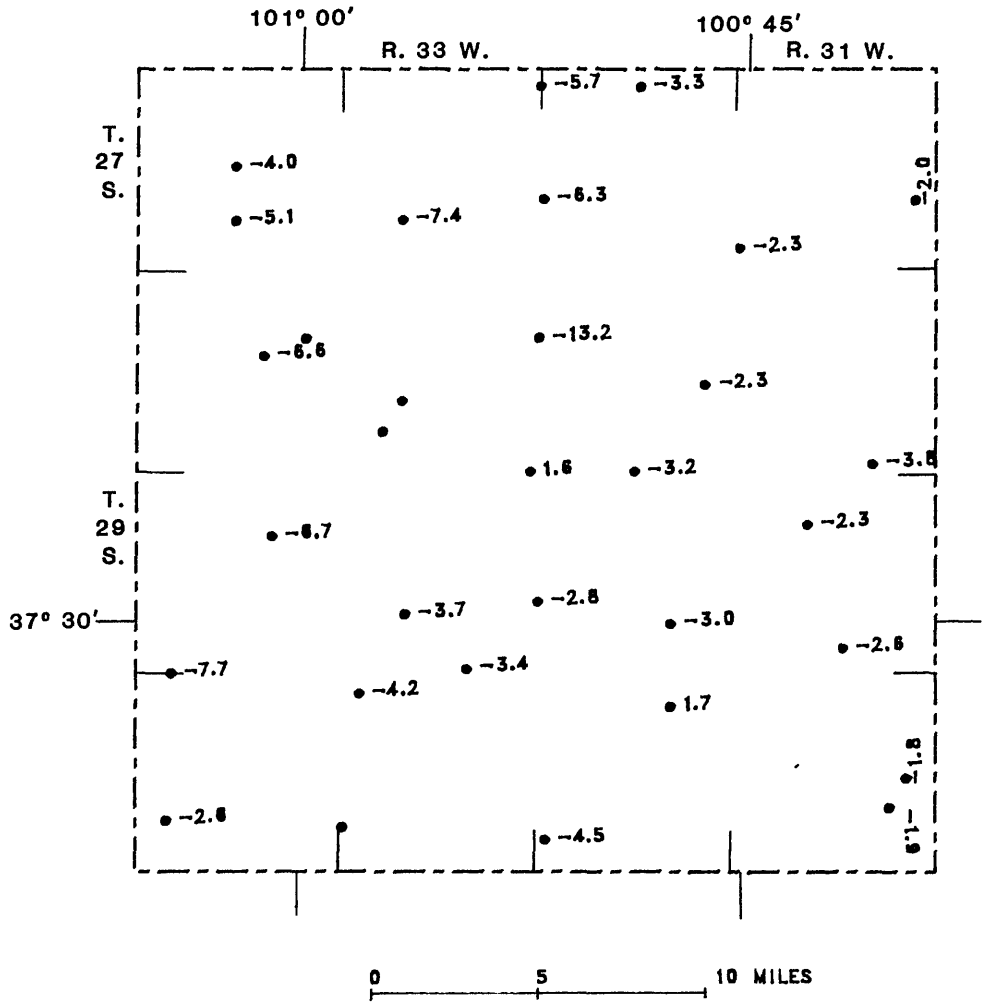

WATER–LEVEL CHANGE IN HARVEY COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, HASKELL COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27S 31W 24CDC 01 | QU,TO | 2816. | 366 | 94 | 97.8 | 143.4 | 140.0 | | 152.9 | 147.7 | 150.3 | 152.3 |
| 27S 31W 31BCC 01 | QU,TC | 2895. | 520 | 151 | 154.8 | 195.2 | 193.3 | 194.8 | 199.6 | | 204.9 | 207.2 |
| 27S 32W 03C3B 01 | | 2872. | | 92 | | | | | 138.1 | 139.9 | 142.5 | 145.8 |
| 27S 32W 06CBB 01 | QU,TC | 2905. | 465 | 107 | | 144.3 | 145.5 | 147.8 | 152.8 | 154.9 | 155.4 | 161.1 |
| 27S 32W 19CCD 01 | QU,TC | 2906. | 456 | 118 | 130.0 | 171.9 | 171.2 | 173.7 | 177.7 | 181.0 | 183.7 | 190.0 |
| 27S 33W 29DAA 01 | QU,TC | 2995. | 540 | 194 | 186.3 | 252.5 | 257.0 | 256.9 | 265.4 | 270.8 | 271.9 | 279.3 |
| 27S 34W 16DDD 01 | | 3000. | | | | | 179.5 | 181.2 | 184.3 | 192.8 | 190.9 | 194.9 |
| 27S 34W 28DAA 02 | | 3042. | | | | 224.3 | | 227.4 | 230.8 | 234.2 | 237.7 | 242.8 |
| 28S 31W 35CCB 01 | QU,TC | 2863. | 443 | 156 | 171.9 | 202.8 | 205.6 | 207.6 | 210.6 | | 215.4 | 219.2 |
| 28S 32W 18BBB 01 | QU,TC | 2951. | 581 | 192 | 203.3 | | | 296.6 | 303.4 | 301.1 | 302.5 | 315.7 |
| 28S 32W 24BCC 01 | QU,TC | 2910. | 549 | 175 | 181.5 | 218.1 | 219.6 | 221.1 | 231.6 | 229.5 | 231.7 | 234.0 |
| 28S 33W 2CDDD 01 | | 2967. | | | | | | | | | | 340.2 |
| 28S 33W 29CD 01 | | 2958. | | | | | | | | | | 343.9 |
| 28S 34W 13B8B 01 | QU,TC | 3022. | 547 | 247 | 260.8 | 345.7 | 351.9 | 356.6 | 360.2 | 366.9 | | |
| 28S 34W 15DAB 01 | QU,TC | 3020. | 570 | 243 | 263.0 | 338.4 | | 351.3 | 358.5 | | 370.7 | 377.3 |
| 29S 31W 09CB 01 | QU,TO | 2871. | 466 | 166 | 169.4 | 202.7 | 204.8 | 205.4 | 216.7 | 220.0 | 223.6 | 225.9 |
| 29S 31W 34BCA 01 | QU,TC | 2858. | 468 | 168 | 172.7 | | 216.3 | 224.6 | 218.5 | 222.4 | 224.7 | 227.3 |
| 29S 32W 04AAA 01 | | 2914. | | | | | | | | 247.3 | 260.3 | 263.5 |
| 29S 32W 19CCC 01 | QU,TC | 2923. | 598 | 208 | 218.2 | 277.7 | 280.4 | 282.7 | 286.5 | 291.6 | 296.0 | 298.8 |
| 29S 32W 26CBB 02 | QU,TC | 2895. | | 191 | 204.1 | 246.1 | 255.5 | 255.2 | 255.3 | 257.5 | 261.1 | 264.1 |
| 29S 33W 01AAB 01 | QU,TC | 2946. | 601 | 213 | 226.3 | 319.8 | 326.9 | 329.1 | 327.6 | 329.0 | 336.5 | 334.9 |
| 29S 33W 28BCB 01 | QU,TC | 2963. | 558 | 212 | | 291.5 | 296.4 | 299.3 | 299.3 | | 307.6 | 311.3 |
| 29S 33W 34DDD 01 | | 2950. | | | | | | | 304.6 | 310.0 | 314.9 | 318.3 |
| 29S 34W 11CCC 01 | | 2969. | | | | | | | | 306.7 | 303.9 | 310.6 |
| 30S 31W 24B8C 01 | | 2831. | | | | | | | | 204.5 | 213.1 | 214.9 |
| 30S 31W 26A8B 01 | | 2834. | | | | | | | 227.3 | 229.2 | 232.9 | 234.8 |
| 30S 32W 11B8B 01 | QU,TC | 2885. | 560 | 188 | 202.4 | 250.9 | 255.2 | 258.1 | 252.9 | 263.1 | 270.1 | 268.4 |
| 30S 32W 31BAB 01 | QU,TC | 2906. | 466 | 194 | 202.0 | 268.5 | 270.6 | 258.7 | 256.6 | 259.4 | 264.0 | 268.5 |
| 30S 33W 06D8D 01 | QU,TC | 2986. | 596 | 233 | 241.4 | 303.9 | 303.1 | 301.2 | 298.1 | 301.7 | 305.9 | 310.1 |
| 30S 33W 30CBD 01 | QU,TC | 2963. | 513 | 215 | 219.7 | 249.6 | 253.8 | 253.9 | 257.5 | 265.7 | 270.7 | |
| 30S 34W 05B8B 01 | QU,TC | 3006. | 531 | 223 | 232.7 | 307.2 | 315.9 | 320.1 | 308.3 | 302.2 | 301.1 | 308.8 |
| 30S 34W 3CADD 02 | | 2843. | | 63 | | | 93.8 | 92.6 | 96.2 | 105.5 | 109.0 | 111.6 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, HASKELL COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 27S 31W 24CDC 01 | QU,TO | 152.3 | -58 | -54.5 | -2.0 | -1.2 | -2.5 | 272 | 214 | -21 |
| 27S 31W 31BCC 01 | QU,TO | 207.2 | -56 | -52.4 | -2.3 | -1.2 | -2.4 | 369 | 313 | -15 |
| 27S 32W 03CBB 01 | | 145.8 | -54 | | -3.3 | -1.1 | | | | |
| 27S 32W 06CBB 01 | QU,TO | 161.1 | -54 | | -5.7 | -1.1 | | 358 | 304 | -15 |
| 27S 32W 19CCD 01 | QU,TO | 190.0 | -72 | -60.0 | -6.3 | -1.5 | -2.7 | 338 | 266 | -21 |
| 27S 33W 29DAA 01 | QU,TO | 279.3 | -85 | -93.0 | -7.4 | -1.8 | -4.2 | 346 | 261 | -25 |
| 27S 34W 16DDD 01 | | 194.9 | | | -4.0 | | | | | |
| 27S 34W 28DAA 02 | | 242.8 | | | -5.1 | | | | | |
| 28S 31W 35CCB 01 | QU,TO | 219.2 | -63 | -47.3 | -3.8 | -1.3 | -2.2 | 287 | 224 | -22 |
| 28S 32W 18BBB 01 | QU,TO | 315.7 | -124 | -112.4 | -13.2 | -2.6 | -5.1 | 389 | 265 | -32 |
| 28S 32W 24BCC 01 | QU,TO | 234.0 | -59 | -52.4 | -2.3 | -1.2 | -2.4 | 374 | 315 | -16 |
| 28S 33W 20DDD 01 | | 340.2 | | | | | | | | |
| 28S 33W 29CD 01 | | 343.9 | | | | | | | | |
| 28S 34W 13BBB 01 | QU,TO | | | | | | | | | |
| 28S 34W 15DAB 01 | QU,TO | 377.3 | -134 | -114.3 | -6.6 | -2.8 | -5.2 | 327 | 193 | -41 |
| 29S 31W 09CB 01 | QU,TO | 225.9 | -60 | -56.4 | -2.3 | -1.3 | -2.6 | 300 | 240 | -20 |
| 29S 31W 34BCA 01 | QU,TO | 227.3 | -59 | -54.5 | -2.6 | -1.2 | -2.5 | 300 | 241 | -20 |
| 29S 32W 04AAA 01 | | 263.5 | | | -3.2 | | | | | |
| 29S 32W 19CCC 01 | QU,TO | 298.8 | -91 | -80.6 | -2.8 | -1.9 | -3.7 | 390 | 299 | -23 |
| 29S 32W 26CBB 02 | QU,TO | 264.1 | -73 | -60.0 | -3.0 | -1.5 | -2.7 | | | |
| 29S 33W 01AAB 01 | QU,TO | 334.9 | -122 | -108.6 | 1.6 | -2.5 | -4.9 | 388 | 266 | -31 |
| 29S 33W 28BCB 01 | QU,TO | 311.3 | -99 | | -3.7 | -2.1 | | 346 | 247 | -29 |
| 29S 33W 34DDD 01 | | 318.3 | | | -3.4 | | | | | |
| 29S 34W 11CCC 01 | | 310.6 | | | -6.7 | | | | | |
| 30S 31W 24BBC 01 | | 214.9 | | | -1.8 | | | | | |
| 30S 31W 26ABB 01 | | 234.8 | | | -1.9 | | | | | |
| 30S 32W 11BBB 01 | QU,TO | 268.4 | -80 | -66.0 | 1.7 | -1.7 | -3.0 | 372 | 292 | -22 |
| 30S 32W 31BAB 01 | QU,TO | 268.5 | -75 | -66.5 | -4.5 | -1.6 | -3.0 | 272 | 198 | -27 |
| 30S 33W 06DBD 01 | QU,TO | 310.1 | -77 | -68.7 | -4.2 | -1.6 | -3.1 | 363 | 286 | -21 |
| 30S 33W 30CBD 01 | QU,TO | | | | | | | | | |
| 30S 34W 05BBB 01 | QU,TO | 308.8 | -86 | -76.0 | -7.7 | -1.8 | -3.5 | 308 | 222 | -28 |
| 30S 34W 30ADD 02 | | 111.6 | -49 | | -2.6 | -1.0 | | | | |



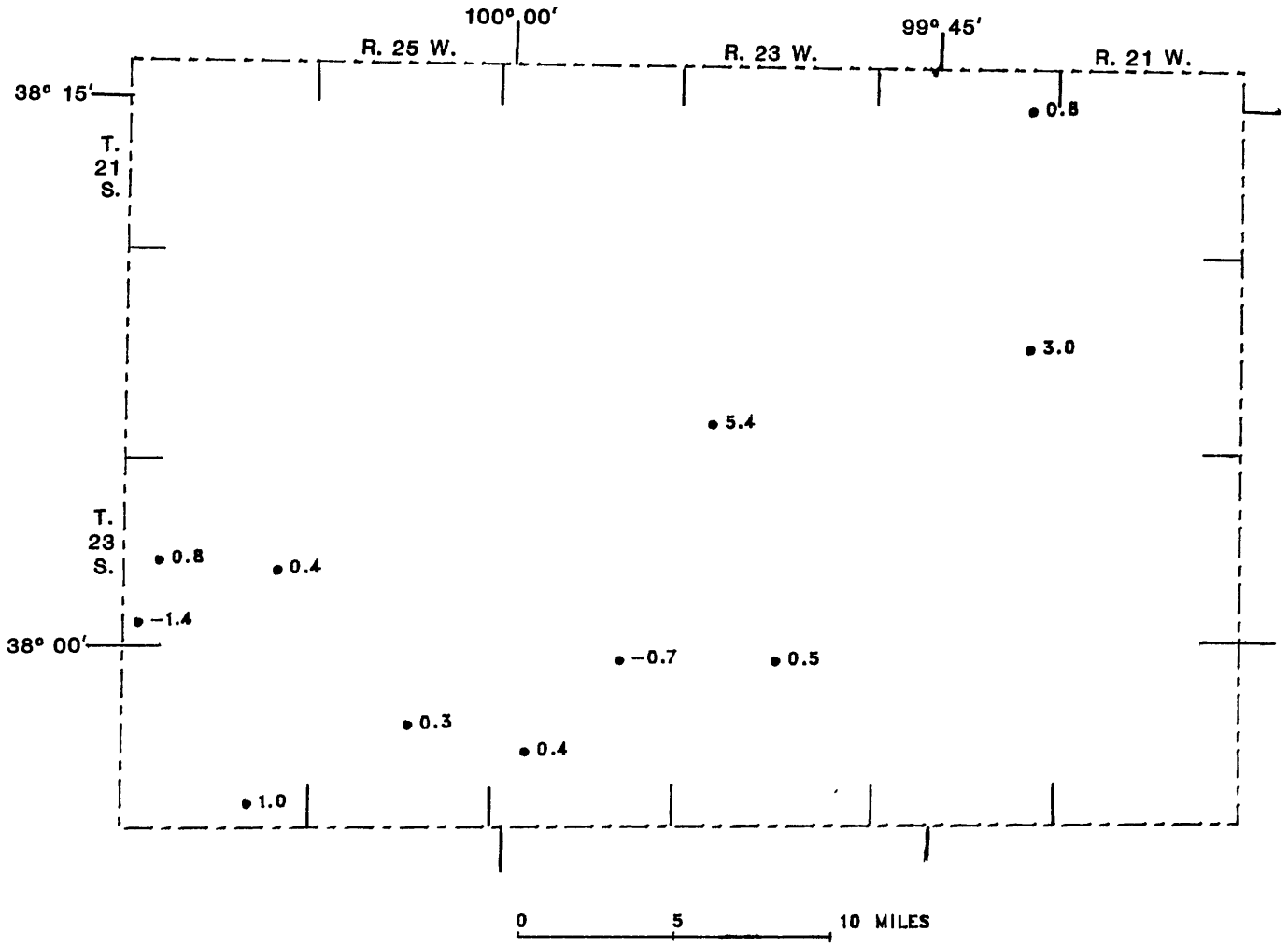

WATER–LEVEL CHANGE IN HASKELL COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, HODGEMAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21S 22W 12BCB 01 | QA | 2156. | | | 35.5 | 50.2 | 51.1 | 50.6 | 51.3 | 51.1 | 51.2 | 50.4 |
| 22S 22W 13CCC 01 | QA | 2152. | | | 24.0 | 28.3 | 28.3 | 31.1 | 34.0 | 34.1 | 33.6 | 30.6 |
| 22S 23W 31ADD 01 | | 2340. | | | | 143.5 | | | 146.5 | 140.9 | 138.6 | 133.2 |
| 22S 24W 14BBC 01 | KD | 2460. | | | | 276.7 | | 280.9 | 273.3 | | 267.6 | 261.8 |
| 22S 24W 15BDA 01 | KD | 2463. | | | | 278.0 | | 282.3 | 271.6 | 265.3 | 266.4 | 261.2 |
| 22S 24W 16ADB 02 | KD | 2465. | | | | 271.7 | | | 269.7 | 262.2 | 269.5 | 259.7 |
| 22S 24W 24DDD 01 | KD | 2360. | | | | 170.2 | 183.4 | 180.2 | 171.9 | | 160.8 | 158.3 |
| 22S 24W 25DDC 01 | KD | 2332. | | | | 145.9 | 156.5 | 154.4 | | 138.7 | 138.4 | 134.4 |
| 22S 24W 26DDA 01 | KD | 2365. | | | | 159.6 | 157.0 | 150.1 | 158.7 | | 152.8 | 151.1 |
| 22S 24W 35DAC 01 | KD | 2312. | | | | 126.4 | 140.5 | 135.8 | 138.0 | 127.7 | 118.3 | 114.2 |
| 23S 22W 07DAA 01 | KD | 2239. | | | | 83.0 | 78.9 | 77.4 | 79.1 | 78.2 | 76.7 | 75.1 |
| 23S 23W 04AAD 01 | KD | 2235. | | | | 33.9 | 36.7 | 40.0 | 33.7 | 32.4 | 31.6 | 30.8 |
| 23S 23W 04DCA 01 | KD | 2236. | | | | 35.9 | 40.4 | 42.7 | 38.7 | 33.0 | 37.2 | 29.6 |
| 23S 23W 12ABD 01 | KD | 2256. | | | | 96.7 | 84.0 | 79.4 | 82.4 | 88.3 | 86.2 | 86.1 |
| 23S 24W 11DAA 01 | KD | 2335. | | | | 145.4 | 152.1 | 155.0 | | 138.2 | 136.1 | 133.5 |
| 23S 25W 22DBB 01 | KD | 2522. | | | | 267.5 | 264.8 | 267.3 | 265.5 | 259.1 | | 258.0 |
| 23S 26W 07CCC 01 | KD | 2612. | | | | | | 323.3 | 323.2 | 325.3 | 327.7 | 321.4 |
| 23S 26W 2CCCC 01 | | 2594. | | | | | | | 48.7 | 46.2 | 46.2 | 45.4 |
| 23S 26W 26AAD 01 | | 2590. | | | | | | | 70.7 | 67.7 | 69.2 | 68.8 |
| 23S 26W 31CDD 01 | TO | 2621. | 122 | 71 | | 70.6 | 70.6 | 69.6 | 70.4 | 67.5 | 68.6 | 70.0 |
| 24S 21W 20CBB 01 | KD | 2348. | | | | 77.6 | 77.3 | 77.7 | 77.8 | 79.2 | 77.6 | 77.4 |
| 24S 23W 03CCC 01 | TO | 2422. | 90 | | | 56.1 | 56.3 | 57.7 | 57.0 | 57.3 | 58.7 | 58.2 |
| 24S 23W 06AAB 01 | KD | 2457. | | | | 220.6 | 264.0 | 215.1 | 214.7 | 212.1 | 211.3 | 211.2 |
| 24S 24W 02CCC 01 | TO | 2478. | 90 | | | 54.6 | 54.9 | | 58.3 | 59.4 | 59.6 | 60.3 |
| 24S 24W 20CCC 01 | TO | 2511. | 86 | | | 65.8 | 65.1 | 63.6 | 64.1 | 68.4 | 63.1 | 62.7 |
| 24S 25W 22BAB 01 | | 2545. | | | | | | | 85.0 | 84.1 | 80.2 | 79.9 |
| 24S 26W 35CBC 01 | TO | 2608. | | 63 | | 62.4 | 61.6 | 61.9 | 61.5 | 61.1 | 60.5 | 59.5 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, HODGEMAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21S 22W 12BCB 01 | QA | 50.4 | | -14.9 | .8 | | -.7 | | | |
| 22S 22W 13CCC 01 | QA | 30.6 | | -6.5 | 3.0 | | -.3 | | | |
| 22S 23W 31ADD 01 | | 133.2 | | | 5.4 | | | | | |
| 22S 24W 14BBC 01 | KD | 261.8 | | | 5.8 | | | | | |
| 22S 24W 15BDA 01 | KD | 261.2 | | | 5.2 | | | | | |
| 22S 24W 16ADB 02 | KD | 259.7 | | | 9.8 | | | | | |
| 22S 24W 24DDD 01 | KD | 158.3 | | | 2.5 | | | | | |
| 22S 24W 25DDC 01 | KD | 134.4 | | | 4.0 | | | | | |
| 22S 24W 26DDA 01 | KD | 151.1 | | | 1.7 | | | | | |
| 22S 24W 35DAC 01 | KD | 114.2 | | | 4.1 | | | | | |
| 23S 22W 07DAA 01 | KD | 75.1 | | | 1.6 | | | | | |
| 23S 23W 04AAD 01 | KD | 30.8 | | | .8 | | | | | |
| 23S 23W 04DCA 01 | KD | 29.6 | | | 7.6 | | | | | |
| 23S 23W 12ABD 01 | KD | 86.1 | | | .1 | | | | | |
| 23S 24W 11DAA 01 | KD | 133.5 | | | 2.6 | | | | | |
| 23S 25W 22DBB 01 | KD | 258.0 | | | | | | | | |
| 23S 26W 07CCC 01 | KD | 321.4 | | | 6.3 | | | | | |
| 23S 26W 20CCC 01 | | 45.4 | | | .8 | | | | | |
| 23S 26W 26AAD 01 | | 68.8 | | | .4 | | | | | |
| 23S 26W 31CDD 01 | TO | 70.0 | 1 | | -1.4 | | | 51 | 52 | 2 |
| 24S 21W 20CBB 01 | KD | 77.4 | | | .2 | | | | | |
| 24S 23W 03CCC 01 | TO | 58.2 | | | .5 | | | | 32 | |
| 24S 23W 06AAB 01 | KD | 211.2 | | | .1 | | | | | |
| 24S 24W 02CCC 01 | TO | 60.3 | | | -.7 | | | | 30 | |
| 24S 24W 20CCC 01 | TO | 62.7 | | | .4 | | | | 23 | |
| 24S 25W 22BAB 01 | | 79.9 | | | .3 | | | | | |
| 24S 26W 35CBC 01 | TO | 59.5 | 4 | | 1.0 | .1 | | | | |



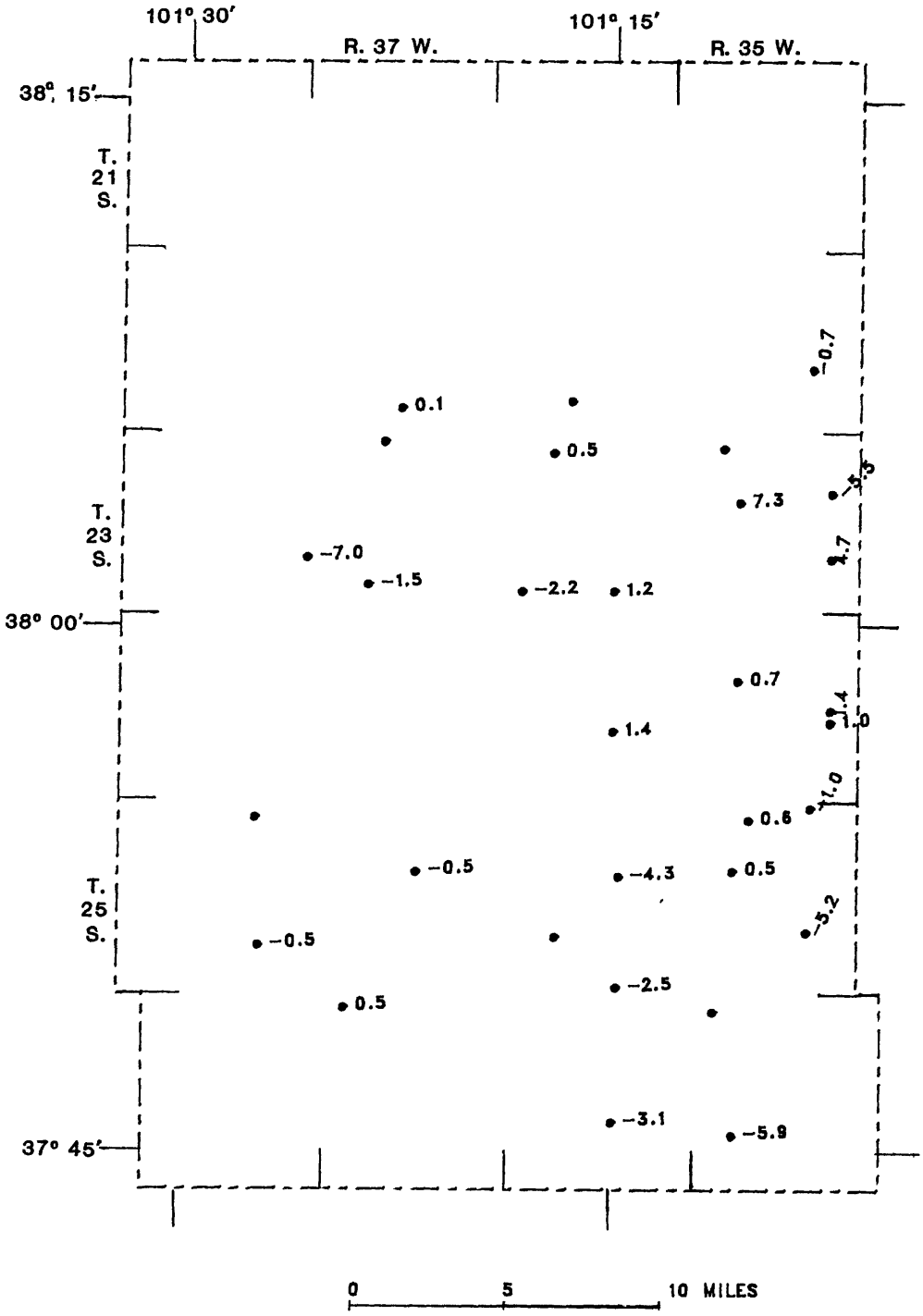

WATER–LEVEL CHANGE IN HODGEMAN COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, KEARNY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22S 35W 23CDD 01 | TO | 3025. | 175 | 95 | 107.6 | 127.4 | 128.4 | 129.3 | 130.8 | 131.5 | 132.0 | 132.7 |
| 22S 36W 28DCC 01 | | 3215. | 210 | 167 | | | | | 177.7 | | 172.8 | |
| 22S 37W 34BBC 01 | | 3230. | | | | | | | | 135.2 | 135.8 | 135.7 |
| 23S 35W 05ACC 01 | TO | 3096. | 180 | 118 | 122.7 | | | | 150.9 | | | 164.8 |
| 23S 35W 12CCC 01 | QU,TO | 3009. | 369 | 67 | 79.1 | 156.8 | 168.1 | 161.5 | 154.6 | 153.3 | 143.9 | 149.4 |
| 23S 35W 16BBC 01 | | 3038. | 263 | 52 | | | | | 136.8 | 139.7 | 142.4 | 135.1 |
| 23S 35W 25BBB 02 | QU,TC | 3005. | 385 | 46 | 59.1 | 128.0 | 132.7 | 125.2 | 121.1 | 120.2 | 107.2 | 102.5 |
| 23S 36W 04CBB 01 | TO | 3183. | 198 | 142 | 132.9 | 142.2 | 147.4 | 144.9 | 145.4 | | 143.9 | 143.4 |
| 23S 36W 32BBB 01 | TO | 3234. | 305 | 189 | 218.0 | 236.6 | 238.5 | 236.8 | 236.9 | 235.9 | 238.2 | 240.4 |
| 23S 36W 35BBB 01 | | 3193. | 293 | 169 | | | | | 214.0 | | 213.5 | 212.3 |
| 23S 37W 04ABC 01 | TO | 3281. | 233 | 183 | | 188.8 | 190.2 | 190.7 | 200.3 | | 190.7 | |
| 23S 37W 19CCC 01 | TO | 3326. | 294 | 223 | 232.9 | 256.7 | 255.7 | 247.4 | 246.7 | 244.4 | 249.4 | 256.4 |
| 23S 37W 28CCB 01 | TO | 3303. | 300 | 218 | 236.9 | 256.9 | 258.9 | 256.1 | 255.1 | | 254.7 | 256.2 |
| 24S 35W 09CCC 01 | QU,TC | 2998. | 358 | 30 | 31.0 | 55.7 | 64.6 | 48.0 | 42.4 | 42.6 | 36.0 | 35.3 |
| 24S 35W 13CCC 02 | QA | 2941. | 346 | 12 | 8.2 | 23.7 | 23.7 | 19.2 | 18.2 | 16.5 | 16.1 | 14.7 |
| 24S 35W 24BCB 01 | QA | 2941. | 341 | 11 | | | | | 29.3 | 27.1 | 26.4 | 25.4 |
| 24S 36W 23CBB 02 | QU,TC | 3014. | 310 | 26 | 24.8 | 40.5 | 38.8 | 38.7 | 34.6 | 31.9 | 32.3 | 30.9 |
| 25S 35W 02BAA 01 | QU,TC | 2990. | 400 | 52 | | 94.3 | 95.8 | 96.2 | 99.3 | 100.7 | 101.6 | 102.6 |
| 25S 35W 04BDD 01 | | 2990. | 410 | 40 | | | | | 41.9 | | 70.3 | 69.7 |
| 25S 35W 17AAA 01 | QU,TC | 2995. | 405 | 37 | | 84.5 | 88.9 | 88.7 | 90.7 | 94.6 | 98.5 | 98.0 |
| 25S 35W 26BAB 01 | QU,TC | 3005. | 450 | 70 | | 109.2 | 112.4 | 113.1 | 115.7 | | 136.0 | 141.2 |
| 25S 36W 14B 01 | | 3050. | | | | | | | 99.9 | 99.9 | 91.5 | 95.8 |
| 25S 36W 28BBD 01 | QU,TC | 3050. | 362 | 51 | | 90.2 | 93.5 | 96.5 | 87.2 | 91.0 | | 101.3 |
| 25S 36W 35CCA 01 | | 3025. | | | | | | | | | 101.6 | 104.1 |
| 25S 37W 15ABA 02 | QA | 3050. | 30 | 5 | | 9.9 | 9.6 | 9.2 | 8.8 | 9.0 | 8.5 | 9.0 |
| 25S 37W 25BAD 02 | QU,TC,KJ | 3056. | 156 | 41 | 38.1 | 64.9 | 66.4 | 66.9 | | 69.1 | | 71.4 |
| 25S 38W 02BDA 01 | | 3170. | | | | | | | 96.7 | | | |
| 25S 38W 08CAA 01 | QU,TC,KJ | 3140. | 90 | 30 | 37.5 | 44.4 | 44.5 | 44.7 | 38.6 | 45.0 | 44.9 | 44.9 |
| 25S 38W 20ACC 01 | QU,TC,KJ | 3175. | 75 | 65 | 63.2 | 70.7 | 70.6 | 70.7 | 70.8 | 71.0 | 71.2 | 71.3 |
| 25S 38W 26ACC 01 | QU,TC | 3145. | 145 | 63 | 65.4 | 79.9 | 81.3 | 81.6 | 77.6 | 77.5 | 75.6 | 76.1 |
| 26S 35W 06ACC 01 | QU | 3008. | 418 | 58 | 60.7 | 91.0 | 95.9 | | | 93.4 | | |
| 26S 35W 29BBD 01 | | 3045. | | 113 | | 163.6 | 167.6 | 169.8 | 172.4 | | 179.9 | 185.8 |
| 26S 36W 22CCA 01 | | 3090. | 440 | 125 | | 160.7 | 163.3 | 165.9 | 168.9 | 172.6 | 177.3 | 180.4 |
| 26S 37W 06ACB 01 | QU,TC | 3092. | 102 | | 26.1 | 30.3 | 29.9 | 29.9 | 30.9 | 30.7 | 30.7 | 30.2 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, KEARNY COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 22S 35W 23CDD 01 | TO | 132.7 | -38 | -25.1 | -.7 | -.8 | -1.1 | 80 | 42 | -48 |
| 22S 36W 28DCC 01 | | | | | | | | | | |
| 22S 37W 34BBC 01 | | 135.7 | | | .1 | | | | | |
| 23S 35W 05ACC 01 | TO | 164.8 | -47 | -42.1 | | -1.0 | -1.9 | 62 | 15 | -76 |
| 23S 35W 12CCC 01 | QU,TO | 149.4 | -82 | -70.3 | -5.5 | -1.7 | -3.2 | 302 | 220 | -27 |
| 23S 35W 16BBC 01 | | 135.1 | -83 | | 7.3 | -1.7 | | 211 | 128 | -39 |
| 23S 35W 25BBB 02 | QU,TO | 102.5 | -57 | -43.4 | 4.7 | -1.2 | -2.0 | 339 | 283 | -17 |
| 23S 36W 04CBB 01 | TO | 143.4 | -1 | -10.5 | .5 | | -.5 | 56 | 55 | -2 |
| 23S 36W 32BBB 01 | TO | 240.4 | -51 | -22.3 | -2.2 | -1.1 | -1.0 | 116 | 65 | -44 |
| 23S 36W 35BBB 01 | | 212.3 | -43 | | 1.2 | -.9 | | 124 | 81 | -35 |
| 23S 37W 04ABC 01 | TO | | | | | | | | | |
| 23S 37W 19CCC 01 | TO | 256.4 | -33 | -23.5 | -7.0 | -.7 | -1.1 | 71 | 38 | -46 |
| 23S 37W 28CCB 01 | TO | 256.2 | -38 | -19.2 | -1.5 | -.8 | -.9 | 82 | 44 | -46 |
| 24S 35W 09CCC 01 | QU,TO | 35.3 | -5 | -4.3 | .7 | -.1 | -.2 | 328 | 323 | -2 |
| 24S 35W 13CCC 02 | QA | 14.7 | -3 | -6.4 | 1.4 | -.1 | -.3 | 334 | 331 | -1 |
| 24S 35W 24BCB 01 | QA | 25.4 | -14 | | 1.0 | -.3 | | 330 | 316 | -4 |
| 24S 36W 23CBB 02 | QU,TO | 30.9 | -5 | -6.0 | 1.4 | -.1 | -.3 | 284 | 279 | -2 |
| 25S 35W 02BAA 01 | QU,TO | 102.6 | -51 | | -1.0 | -1.1 | | 348 | 297 | -15 |
| 25S 35W 04BDD 01 | | 69.7 | -30 | | .6 | -.6 | | 370 | 340 | -8 |
| 25S 35W 17AAA 01 | QU,TO | 98.0 | -61 | | .5 | -1.3 | | 368 | 307 | -17 |
| 25S 35W 26BAB 01 | QU,TO | 141.2 | -71 | | -5.2 | -1.5 | | 380 | 309 | -19 |
| 25S 36W 14B 01 | | 95.8 | | | -4.3 | | | | | |
| 25S 36W 28BBD 01 | QU,TO | 101.3 | -50 | | | -1.0 | | 311 | 261 | -16 |
| 25S 36W 35CCA 01 | | 104.1 | | | -2.5 | | | | | |
| 25S 37W 15ABA 02 | QA | 9.0 | -4 | | -.5 | -.1 | | 25 | 21 | -16 |
| 25S 37W 25BAD 02 | QU,TO,KJ | 71.4 | -30 | -33.3 | | -.6 | -1.5 | | | |
| 25S 38W 02BDA 01 | | | | | | | | | | |
| 25S 38W 08CAA 01 | QU,TO,KJ | 44.9 | -15 | -7.3 | 0.0 | -.3 | -.3 | | | |
| 25S 38W 20ACC 01 | QU,TO,KJ | 71.3 | -6 | -8.0 | -.1 | -.1 | -.4 | | | |
| 25S 38W 26ACC 01 | QU,TO | 76.1 | -13 | -10.7 | -.5 | -.3 | -.5 | 82 | 69 | -16 |
| 26S 35W 06ACC 01 | QU | | | | | | | | | |
| 26S 35W 29BBD 01 | | 185.8 | -73 | | -5.9 | -1.5 | | | | |
| 26S 36W 22CCA 01 | | 180.4 | -55 | | -3.1 | -1.1 | | 315 | 260 | -17 |
| 26S 37W 06ACB 01 | QU,TO | 30.2 | | -4.1 | .5 | | -.2 | | 72 | |



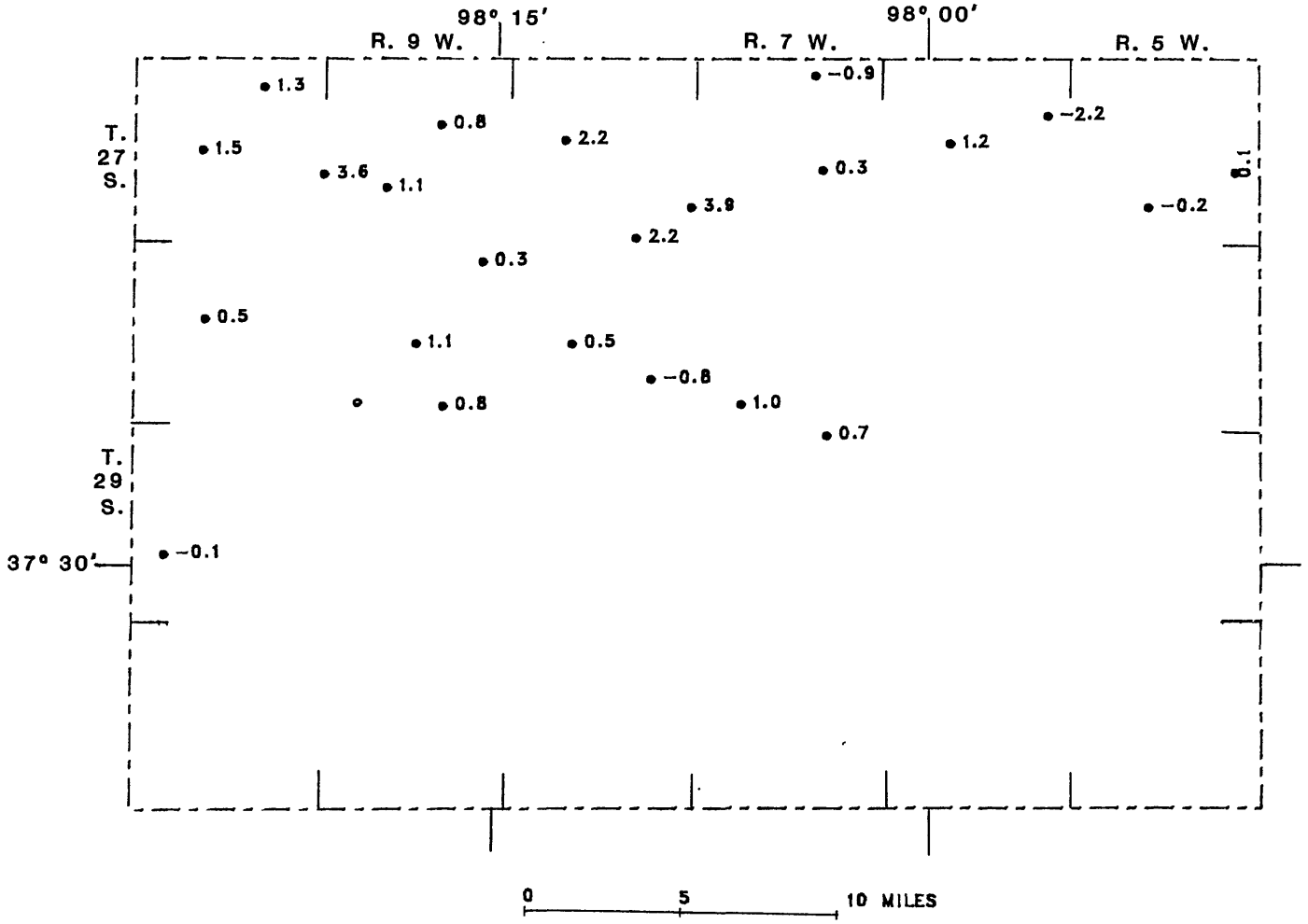

WATER–LEVEL CHANGE IN KEARNY COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, KINGMAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27S 05W 24CDC 01 | QU | 1477. | | 14 | 12.6 | 16.4 | 15.4 | 15.7 | 15.6 | 11.1 | 12.4 | 12.3 |
| 27S 05W 33ABB 02 | QU | 1460. | 60 | 25 | 4.0 | 6.8 | 7.5 | 8.0 | 3.9 | 3.7 | 5.1 | 5.3 |
| 27S 06W 12CCD 01 | QU | 1488. | | 7 | 6.6 | 9.6 | 10.8 | 8.9 | 8.6 | 7.1 | 7.1 | 9.3 |
| 27S 06W 16CCB 01 | | 1462. | 17 | 1 | .9 | 2.9 | 3.3 | 2.5 | 2.4 | 2.6 | 2.6 | 1.4 |
| 27S 07W 03ADC 01 | QU | 1545. | 25 | 20 | 8.2 | 11.0 | 11.1 | 8.9 | 8.4 | 5.6 | 6.9 | 7.8 |
| 27S 07W 23BCC 01 | QU | 1567. | 14 | | 7.3 | 8.6 | 8.4 | 8.0 | 7.0 | 6.1 | 6.6 | 6.3 |
| 27S 08W 17DAB 01 | QU | 1665. | 118 | 45 | 34.4 | 37.2 | 36.2 | 37.1 | 36.8 | 34.7 | 35.2 | 33.0 |
| 27S 08W 25DAD 01 | | 1622. | 67 | | | 21.3 | 20.9 | 21.9 | 20.0 | 18.4 | 19.0 | 15.1 |
| 27S 08W 35CBC 01 | QU | 1610. | 54 | 32 | 20.4 | 21.7 | 21.8 | 22.3 | 21.7 | 20.3 | 22.7 | 20.5 |
| 27S 09W 15ABA 01 | QU | 1702. | 153 | 50 | 49.8 | 49.1 | 48.3 | 48.1 | 47.7 | 45.8 | 45.6 | 44.8 |
| 27S 09W 29AAA 01 | | 1700. | | 30 | | 23.8 | 23.6 | 24.3 | 24.3 | 23.1 | 24.3 | 23.2 |
| 27S 10W 03DDD 01 | QU | 1743. | 145 | 33 | 51.0 | 50.9 | 50.9 | 51.6 | 52.0 | 50.6 | 51.5 | 50.2 |
| 27S 10W 17DDD 01 | QU | 1755. | 171 | 77 | 61.9 | 62.7 | 62.6 | 63.2 | 63.2 | 62.7 | 63.3 | 61.8 |
| 27S 10W 24DAD 01 | QU | 1692. | 117 | 20 | 16.0 | 15.9 | 15.9 | 16.2 | 18.4 | 15.0 | 18.5 | 14.9 |
| 28S 07W 29CDD 01 | QU | 1601. | 151 | 30 | 26.6 | 27.3 | 27.0 | 26.6 | 25.8 | 24.9 | 25.2 | 24.2 |
| 28S 07W 35CCD 01 | QU | 1585. | | 23 | 21.9 | 21.9 | 21.9 | 21.3 | 21.2 | 20.2 | 20.4 | 19.7 |
| 28S 08W 21BBB 01 | QU | 1562. | 49 | 1 | 2.3 | 2.5 | 2.6 | 2.8 | 2.4 | 1.9 | 2.1 | 1.6 |
| 28S 08W 26ABC 01 | QU | 1652. | | 77 | 63.2 | 76.1 | 69.0 | 61.6 | 62.7 | 59.6 | 63.0 | 63.8 |
| 28S 09W 01BCC 01 | | 1580. | 55 | 15 | 7.5 | 7.4 | 7.7 | 7.9 | 7.6 | 6.7 | 7.2 | 6.9 |
| 28S 09W 21AAA 01 | QU | 1666. | 118 | 34 | 28.1 | 29.8 | 28.9 | 29.3 | 28.7 | 27.1 | 27.9 | 26.8 |
| 28S 09W 29CCC 01 | QU | 1708. | 107 | 30 | 32.7 | 34.1 | 33.8 | 33.6 | 33.0 | 31.3 | | 27.4 |
| 28S 09W 34AAB 01 | QU | 1690. | 75 | 41 | 42.8 | 44.6 | 44.2 | 44.5 | 43.9 | 41.7 | 41.6 | 40.8 |
| 28S 10W 16BCB 01 | QU | 1756. | 154 | 51 | 50.2 | 50.9 | 50.8 | 51.2 | 53.8 | 48.8 | 49.0 | 48.5 |
| 29S 10W 19DDB 01 | | 1765. | | | | | | | | | 23.2 | 23.3 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, KINGMAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 27S 05W 24CDC 01 | QU | 12.3 | 2 | .3 | .1 | | | | | |
| 27S 05W 33ABB 02 | QU | 5.3 | 20 | -1.3 | -.2 | .5 | -.1 | 35 | 55 | 57 |
| 27S 06W 12CCD 01 | QU | 9.3 | -2 | -2.7 | -2.2 | | -.2 | | | |
| 27S 06W 16CCB 01 | | 1.4 | | -.5 | 1.2 | | | 16 | 16 | |
| 27S 07W 03ADC 01 | QU | 7.8 | 12 | .4 | -.9 | .3 | | 5 | 17 | 240 |
| 27S 07W 23BCC 01 | QU | 6.3 | | 1.0 | .3 | | .1 | | 8 | |
| 27S 08W 17DAB 01 | QU | 33.0 | 12 | 1.4 | 2.2 | .3 | .1 | 73 | 85 | 16 |
| 27S 08W 25DAD 01 | | 15.1 | | | 3.9 | | | | 52 | |
| 27S 08W 35CBC 01 | QU | 20.5 | 12 | -.1 | 2.2 | .3 | | 22 | 34 | 55 |
| 27S 09W 15ABA 01 | QU | 44.8 | 5 | 5.0 | .8 | .1 | .4 | 103 | 108 | 5 |
| 27S 09W 29AAA 01 | | 23.2 | 7 | | 1.1 | .2 | | | | |
| 27S 10W 03DDD 01 | QU | 50.2 | -17 | .8 | 1.3 | -.4 | .1 | 112 | 95 | -15 |
| 27S 10W 17DDD 01 | QU | 61.8 | 15 | .1 | 1.5 | .3 | | 94 | 109 | 16 |
| 27S 10W 24DAD 01 | QU | 14.9 | 5 | 1.1 | 3.6 | .1 | .1 | 97 | 102 | 5 |
| 28S 07W 29CDD 01 | QU | 24.2 | 6 | 2.4 | 1.0 | .1 | .2 | 121 | 127 | 5 |
| 28S 07W 35CCD 01 | QU | 19.7 | 3 | 2.2 | .7 | .1 | .2 | | | |
| 28S 08W 21BBB 01 | QU | 1.6 | -1 | .7 | .5 | | .1 | 48 | 47 | -2 |
| 28S 08W 26ABC 01 | QU | 63.8 | 13 | -.6 | -.8 | .3 | | | | |
| 28S 09W 01BCC 01 | | 6.9 | 8 | .6 | .3 | .2 | | 40 | 48 | 20 |
| 28S 09W 21AAA 01 | QU | 26.8 | 7 | 1.3 | 1.1 | .2 | .1 | 84 | 91 | 8 |
| 28S 09W 29CCC 01 | QU | 27.4 | 3 | 5.3 | | .1 | .4 | 77 | 80 | 4 |
| 28S 09W 34AAB 01 | QU | 40.8 | | 2.0 | .8 | | .1 | 34 | 34 | |
| 28S 10W 16BCB 01 | QU | 48.5 | 3 | 1.7 | .5 | .1 | .1 | 103 | 106 | 3 |
| 29S 10W 19DDB 01 | | 23.3 | | | -.1 | | | | | |



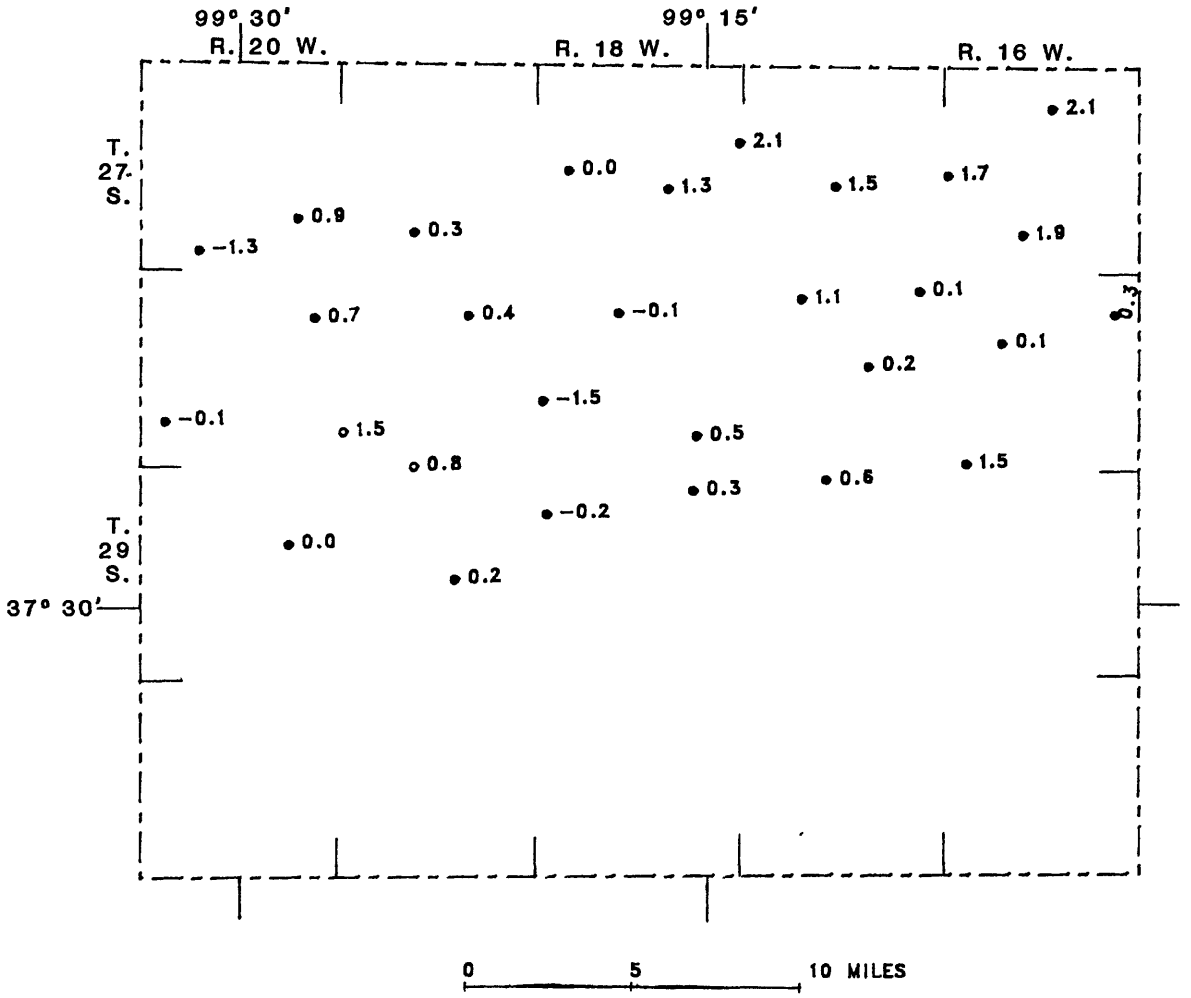

WATER–LEVEL CHANGE IN KINGMAN COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, KIOWA COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27S 16W 10BAC 01 | QU | 2088. | 248 | 28 | 12.1 | 23.0 | 25.7 | 25.4 | 26.0 | 25.4 | 28.0 | 25.9 |
| 27S 16W 19BBD 01 | QU | 2112. | 182 | 37 | 20.3 | 30.3 | 31.8 | 32.2 | 32.6 | 32.1 | 32.7 | 31.0 |
| 27S 16W 28CDD 01 | QU | 2120. | 168 | 65 | 56.7 | 62.5 | 64.9 | 66.0 | 66.5 | 65.6 | 67.7 | 65.8 |
| 27S 17W 21ADC 01 | QU | 2140. | 175 | 39 | 24.4 | 33.0 | 34.4 | 33.8 | 34.4 | 34.1 | 34.7 | 33.2 |
| 27S 18W 13AAA 01 | QU | 2152. | 219 | 24 | 15.6 | 22.9 | 24.1 | 23.8 | 24.3 | 23.3 | 24.1 | 22.0 |
| 27S 18W 18DDC 01 | QU | 2192. | 187 | 26 | 15.7 | 17.0 | 18.1 | 17.6 | 19.4 | 18.9 | 20.0 | 20.0 |
| 27S 18W 22ADC 01 | QU | 2175. | 210 | 29 | 14.1 | 23.2 | 23.7 | 23.9 | 23.9 | 23.1 | 23.8 | 22.5 |
| 27S 19W 28CBD 01 | QU | 2262. | 187 | 60 | 67.9 | 73.2 | 73.3 | 73.2 | 73.7 | 73.3 | 73.4 | 73.1 |
| 27S 20W 26ABD 01 | QU | 2274. | 174 | 38 | 40.6 | 42.5 | 44.3 | 45.0 | 44.3 | 42.9 | 42.9 | 42.0 |
| 27S 20W 32ABD 01 | QU | 2308. | 108 | 36 | 45.2 | 44.5 | 45.2 | 45.3 | 46.5 | 46.0 | 45.7 | 47.0 |
| 28S 16W 12BCA 01 | QU | 2111. | 211 | 92 | 101.0 | 98.2 | 99.1 | 98.4 | 101.1 | 100.9 | 100.5 | 100.2 |
| 28S 16W 17AAC 01 | QU | 2165. | 245 | 120 | 118.0 | 115.6 | 116.3 | 116.0 | 117.3 | 117.1 | 117.0 | 116.9 |
| 28S 16W 31DCA 01 | | 2110. | 192 | 75 | | | | | 70.3 | 71.5 | 70.7 | 69.2 |
| 28S 17W 01CAB 01 | QU | 2135. | 180 | 65 | 55.6 | 58.6 | 59.6 | 59.7 | 60.1 | 59.8 | 60.0 | 59.9 |
| 28S 17W 05DDB 01 | QU | 2163. | 163 | 65 | 62.0 | 57.3 | 58.1 | 58.0 | 60.5 | 60.3 | 60.1 | 59.0 |
| 28S 17W 15DDB 01 | QU | 2178. | 191 | 105 | 96.0 | 95.5 | 96.0 | 96.4 | 97.0 | 96.7 | 96.6 | 96.4 |
| 28S 18W 09BAC 01 | QU | 2221. | 182 | 66 | 61.7 | 63.3 | 64.0 | 64.7 | 64.9 | 64.5 | 64.3 | 64.4 |
| 28S 18W 19CCB 01 | QU | 2268. | | 103 | 88.0 | 87.7 | 88.1 | 88.6 | 89.0 | 88.6 | 88.7 | 90.2 |
| 28S 18W 26DCA 01 | QU | 2231. | 181 | 119 | 119.0 | 117.7 | 120.0 | 120.5 | 121.3 | 119.9 | 120.3 | 119.8 |
| 28S 19W 10AAC 01 | TO | | | | | 92.9 | 92.5 | 92.3 | 92.7 | 92.8 | 93.0 | 92.6 |
| 28S 19W 30CBC 01 | QU | 2335. | 185 | 116 | 115.0 | 112.9 | 112.7 | 113.5 | 113.4 | 112.6 | 113.8 | 112.3 |
| 28S 19W 33CBD 01 | QU | 2325. | 220 | 133 | 134.0 | 133.9 | 133.1 | 135.5 | 133.2 | 133.9 | 134.6 | 133.8 |
| 28S 20W 12BBD 01 | QU | 2288. | 190 | 64 | 55.7 | 56.3 | 56.9 | 57.0 | 57.5 | 57.2 | 57.0 | 56.3 |
| 28S 20W 30ACA 01 | QU | 2319. | 69 | 32 | 39.4 | 42.4 | 41.4 | 41.7 | 42.1 | 41.6 | 41.1 | 41.2 |
| 29S 17W 04ABC 01 | QU | 2125. | 122 | 60 | 50.0 | 51.9 | 52.1 | 51.9 | 51.9 | 51.6 | 51.9 | 51.3 |
| 29S 18W 02ACC 01 | TO | 2251. | 196 | | | 143.3 | 143.4 | 144.4 | 143.4 | 143.0 | 142.9 | 142.6 |
| 29S 18W 07BBD 01 | QU | 2311. | 256 | 155 | 153.5 | 154.1 | 153.8 | 155.2 | 154.0 | 153.3 | 153.5 | 153.7 |
| 29S 19W 22BAA 01 | QU | 2340. | 250 | 158 | 157.0 | 155.6 | 156.3 | 157.7 | 156.7 | 156.1 | 156.7 | 156.5 |
| 29S 20W 11CDD 01 | QU | 2398. | | 170 | 168.0 | 167.4 | 167.1 | 166.8 | 166.9 | 166.1 | 166.4 | 166.4 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, KIOWA COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 27S 16W 10BAC 01 | QU | 25.9 | 2 | -13.8 | 2.1 | | -1.0 | 220 | 222 | 1 |
| 27S 16W 19BBD 01 | QU | 31.0 | 6 | -10.7 | 1.7 | .1 | -.8 | 145 | 151 | 4 |
| 27S 16W 28CDD 01 | QU | 65.8 | -1 | -9.1 | 1.9 | | -.7 | 103 | 102 | -1 |
| 27S 17W 21ADC 01 | QU | 33.2 | 6 | -8.8 | 1.5 | .1 | -.6 | 136 | 142 | 4 |
| 27S 18W 13AAA 01 | QU | 22.0 | 2 | -6.4 | 2.1 | | -.5 | 195 | 197 | 1 |
| 27S 18W 18DDC 01 | QU | 20.0 | 6 | -4.3 | 0.0 | .1 | -.3 | 161 | 167 | 4 |
| 27S 18W 22ADC 01 | QU | 22.5 | 7 | -8.4 | 1.3 | .2 | -.6 | 181 | 188 | 4 |
| 27S 19W 28CBD 01 | QU | 73.1 | -13 | -5.2 | .3 | -.3 | -.4 | 127 | 114 | -10 |
| 27S 20W 26ABD 01 | QU | 42.0 | -4 | -1.4 | .9 | -.1 | -.1 | 136 | 132 | -3 |
| 27S 20W 32ABD 01 | QU | 47.0 | -11 | -1.8 | -1.3 | -.3 | -.1 | 72 | 61 | -15 |
| 28S 16W 12BCA 01 | QU | 100.2 | -8 | .8 | .3 | -.2 | .1 | 119 | 111 | -7 |
| 28S 16W 17AAC 01 | QU | 116.9 | 3 | 1.1 | .1 | .1 | .1 | 125 | 128 | 2 |
| 28S 16W 31DCA 01 | | 69.2 | 6 | | 1.5 | .1 | | 117 | 123 | 5 |
| 28S 17W 01CAB 01 | QU | 59.9 | 5 | -4.3 | .1 | .1 | -.3 | 115 | 120 | 4 |
| 28S 17W 05DDB 01 | QU | 59.0 | 6 | 3.0 | 1.1 | .1 | .2 | 98 | 104 | 6 |
| 28S 17W 15DDB 01 | QU | 96.4 | 9 | -.4 | .2 | .2 | | 86 | 95 | 10 |
| 28S 18W 09BAC 01 | QU | 64.4 | 2 | -2.7 | -.1 | | -.2 | 116 | 118 | 2 |
| 28S 18W 19CCB 01 | QU | 90.2 | 13 | -2.2 | -1.5 | .3 | -.2 | | | |
| 28S 18W 26DCA 01 | QU | 119.8 | -1 | -.8 | .5 | | -.1 | 62 | 61 | -2 |
| 28S 19W 10AAC 01 | TO | 92.6 | | | .4 | | | | | |
| 28S 19W 30CBC 01 | QU | 112.3 | 4 | 2.7 | 1.5 | .1 | .2 | 69 | 73 | 6 |
| 28S 19W 33CBD 01 | QU | 133.8 | -1 | .2 | .8 | | | 87 | 86 | -1 |
| 28S 20W 12BBD 01 | QU | 56.3 | 8 | -.6 | .7 | .2 | | 126 | 134 | 6 |
| 28S 20W 30ACA 01 | QU | 41.2 | -9 | -1.8 | -.1 | -.2 | -.1 | 37 | 28 | -24 |
| 29S 17W 04ABC 01 | QU | 51.3 | 9 | -1.3 | .6 | .2 | -.1 | 62 | 71 | 15 |
| 29S 18W 02ACC 01 | TO | 142.6 | | | .3 | | | | 53 | |
| 29S 18W 07BBD 01 | QU | 153.7 | 1 | -.2 | -.2 | | | 101 | 102 | 1 |
| 29S 19W 22BAA 01 | QU | 156.5 | 2 | .5 | .2 | | | 92 | 94 | 2 |
| 29S 20W 11CDD 01 | QU | 166.4 | 4 | 1.6 | 0.0 | .1 | .1 | | | |



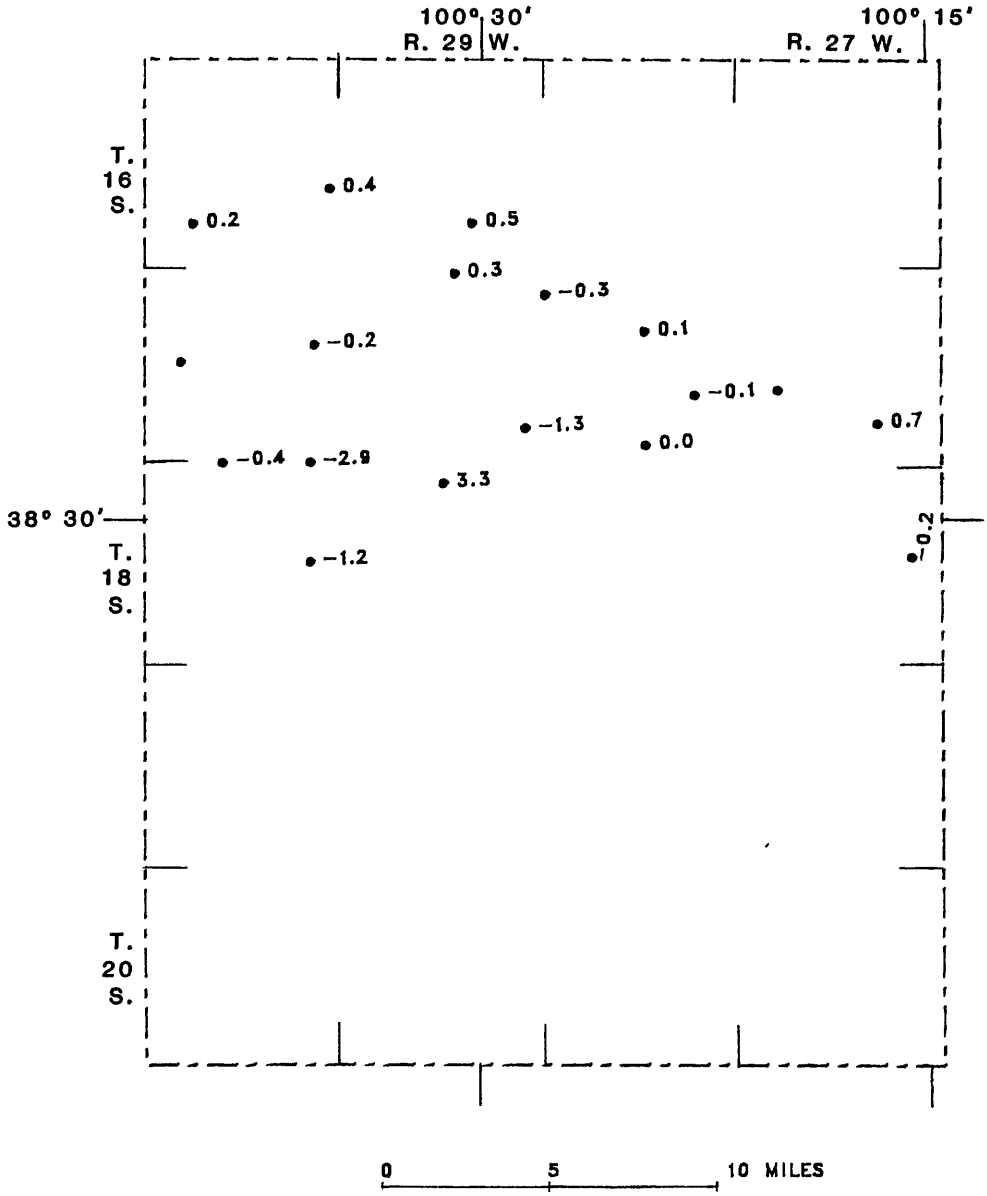

WATER–LEVEL CHANGE IN KIOWA COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, LANE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16S 29W 26CCD 01 | TO | 2803. | 140 | 90 | 89.2 | 103.1 | | 104.7 | 105.0 | 105.2 | 106.5 | 106.0 |
| 16S 30W 24DCC 01 | TO | 2840. | 155 | 109 | | 120.4 | | 121.5 | 121.4 | 120.5 | 121.9 | 121.5 |
| 16S 30W 29CDD 01 | TO | 2884. | 174 | 121 | | 127.8 | 128.3 | 128.6 | 128.5 | 127.9 | 128.4 | 128.2 |
| 17S 27W 20CCC 01 | TO | 2717. | 127 | 84 | | | 102.7 | 102.2 | 102.4 | | | 100.5 |
| 17S 27W 26CCC 01 | TO | 2678. | 127 | 80 | | 96.8 | 96.3 | 96.8 | 96.7 | 96.7 | 96.4 | 95.7 |
| 17S 28W 07BBB 01 | TO | 2785. | 170 | 83 | | | 98.0 | 99.2 | 98.5 | 98.4 | 99.2 | 99.5 |
| 17S 28W 15BBC 01 | TO | 2760. | 150 | 84 | | 103.7 | 103.5 | 104.6 | 104.8 | 104.8 | 105.7 | 105.6 |
| 17S 28W 26ABB 01 | TO | 2735. | 140 | 85 | 88.2 | 100.4 | 101.3 | 102.9 | 102.1 | 102.3 | 102.5 | 102.6 |
| 17S 28W 34CBB 01 | TO | 2747. | 132 | 78 | | 89.3 | 89.9 | 90.3 | 90.6 | 90.7 | 91.0 | 91.0 |
| 17S 29W 03BDC 01 | TO | 2816. | 156 | 102 | | 113.4 | 113.7 | 116.3 | 114.2 | 114.8 | 116.1 | 115.8 |
| 17S 29W 36BAA 01 | TO | 2784. | 119 | 70 | | 84.7 | 84.9 | 84.9 | 85.5 | 85.2 | 87.0 | 88.3 |
| 17S 30W 13CBB 01 | TO | 2846. | 151 | 84 | 83.9 | 89.5 | 89.8 | 90.3 | 90.6 | 90.8 | 91.2 | 91.4 |
| 17S 30W 20BBB 01 | TO | 2889. | 165 | 87 | | 107.6 | 102.6 | 101.9 | 104.2 | 102.5 | | |
| 18S 27W 13CCC 01 | TO | 2674. | 95 | 88 | 86.1 | 86.1 | 86.2 | 86.5 | 86.4 | 86.3 | 86.2 | 86.4 |
| 18S 28W 18ACC 01 | TO | 2764. | 95 | 51 | | 68.8 | | | 68.3 | 69.1 | | 67.1 |
| 18S 29W 04DAD 01 | TO | 2801. | 110 | 56 | | 66.3 | 66.1 | 66.9 | 66.9 | 66.5 | 70.6 | 67.3 |
| 18S 30W 02AAA 01 | TO | 2849. | 124 | 68 | | 85.8 | 88.0 | 87.8 | 86.9 | 86.3 | 85.5 | 88.4 |
| 18S 30W 04BAB 01 | TO | 2872. | 125 | 69 | | 73.2 | | 75.1 | 74.7 | 74.8 | 75.5 | 75.9 |
| 18S 30W 23AAA 01 | TO | 2848. | 150 | 55 | | 67.5 | 65.3 | 65.9 | 64.6 | 64.4 | 63.4 | 64.6 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, LANE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16S 29W 26CCD 01 | TO | 106.0 | -16 | -16.7 | .5 | -.4 | -.8 | 50 | 34 | -32 |
| 16S 30W 24DCC 01 | TO | 121.5 | -13 | | .4 | -.3 | | 46 | 34 | -26 |
| 16S 30W 29CDD 01 | TO | 128.2 | -7 | | .2 | -.2 | | 53 | 46 | -13 |
| 17S 27W 20CCC 01 | TO | 100.5 | -17 | | | -.4 | | 43 | 27 | -37 |
| 17S 27W 26CCC 01 | TO | 95.7 | -16 | | .7 | -.4 | | 47 | 31 | -34 |
| 17S 28W 07BBB 01 | TO | 99.5 | -17 | | -.3 | -.4 | | 87 | 71 | -18 |
| 17S 28W 15BBC 01 | TO | 105.6 | -22 | | .1 | -.6 | | 66 | 44 | -33 |
| 17S 28W 26ABB 01 | TO | 102.6 | -18 | -14.3 | -.1 | -.5 | -.7 | 55 | 37 | -33 |
| 17S 28W 34CBB 01 | TO | 91.0 | -13 | | 0.0 | -.3 | | 54 | 41 | -24 |
| 17S 29W 03BDC 01 | TO | 115.8 | -14 | | .3 | -.4 | | 54 | 40 | -26 |
| 17S 29W 36BAA 01 | TO | 88.3 | -18 | | -1.3 | -.5 | | 49 | 31 | -37 |
| 17S 30W 13CBB 01 | TO | 91.4 | -7 | -7.5 | -.2 | -.2 | -.3 | 67 | 60 | -10 |
| 17S 30W 20BBB 01 | TO | | | | | | | | | |
| 18S 27W 13CCC 01 | TO | 86.4 | 2 | -.3 | -.2 | .1 | | 7 | 9 | 29 |
| 18S 28W 18ACC 01 | TO | 67.1 | -16 | | | -.4 | | 44 | 28 | -36 |
| 18S 29W 04DAD 01 | TO | 67.3 | -11 | | 3.3 | -.3 | | 54 | 43 | -20 |
| 18S 30W 02AAA 01 | TO | 88.4 | -20 | | -2.9 | -.5 | | 56 | 36 | -36 |
| 18S 30W 04BAB 01 | TO | 75.9 | -7 | | -.4 | -.2 | | 56 | 49 | -13 |
| 18S 30W 23AAA 01 | TO | 64.6 | -10 | | -1.2 | -.3 | | 95 | 85 | -11 |



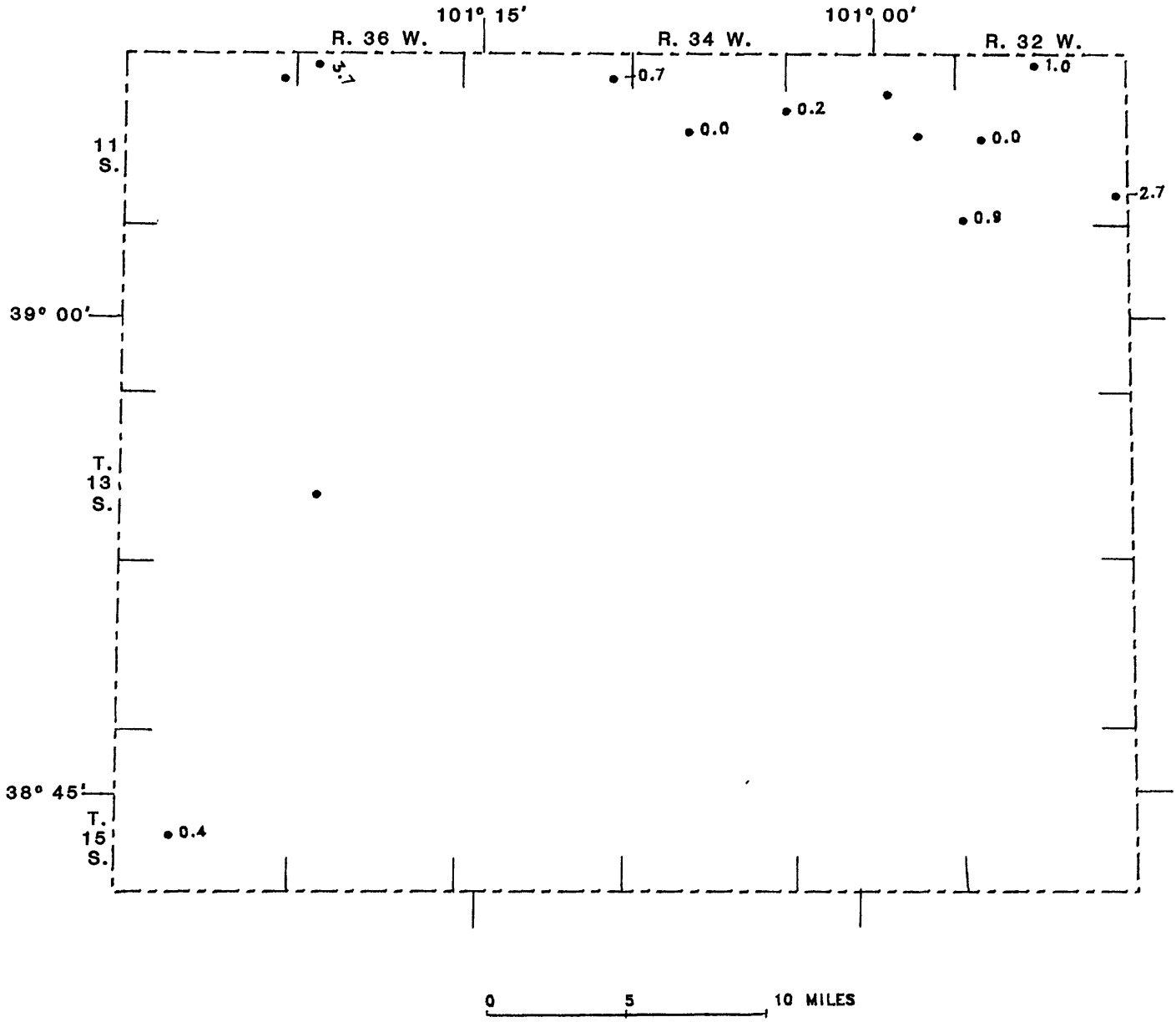

WATER–LEVEL CHANGE IN LANE COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, LOGAN CCUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11S 32W 04ACD 01 | TO | 3059. | 208 | 96 | 102.0 | 111.8 | 110.5 | 112.8 | 110.8 | 111.7 | 113.6 | 112.6 |
| 11S 32W 19AAB 01 | TO | 3073. | 183 | 92 | | 103.1 | 102.3 | 102.3 | 103.0 | 103.7 | 103.3 | 103.3 |
| 11S 32W 31CCD 01 | | 3054. | | | | | | | 70.8 | 68.7 | 71.3 | 70.4 |
| 11S 32W 36ABA 01 | TO | 3009. | | | | | | | 89.2 | 91.4 | 89.2 | 91.9 |
| 11S 33W 10BDD 01 | | 3113. | | | | | | | 116.0 | 116.6 | | 117.0 |
| 11S 33W 14DCC 01 | TO | 3117. | | | | | | | 130.5 | 131.3 | | 132.3 |
| 11S 34W 13AAB 01 | TO | 3184. | | | | | | | 143.3 | 143.8 | 143.9 | 143.7 |
| 11S 34W 16CDB 01 | TO | 3218. | 170 | 122 | 118.4 | 119.8 | 119.7 | 120.1 | 121.8 | 121.1 | 120.2 | 120.2 |
| 11S 35W 01DCC 01 | TO | 3268. | | | | | | | 154.1 | 153.5 | 152.4 | 153.1 |
| 11S 36W 06ADD 02 | TO | 3380. | 220 | 142 | 137.0 | 165.1 | 164.5 | 164.6 | 165.8 | 167.6 | 168.9 | 165.2 |
| 11S 37W 01DCD 01 | | 3369. | | | | | | | | | | 167.6 |
| 13S 36W 20CCB 01 | QA | 3023. | 30 | | | 11.8 | 11.9 | 11.9 | | | | |
| 15S 37W 29AAA 01 | TO | 3420. | 60 | | | 35.6 | 34.5 | 32.8 | 32.1 | 32.9 | 33.8 | 33.4 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, LOGAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 11S 32W 04ACD 01 | TO | 112.6 | -17 | -10.6 | 1.0 | -.4 | -.5 | 112 | 95 | -15 |
| 11S 32W 19AAB 01 | TO | 103.3 | -11 | | 0.0 | -.3 | | 91 | 80 | -12 |
| 11S 32W 31CCD 01 | | 70.4 | | | .9 | | | | | |
| 11S 32W 36ABA 01 | TO | 91.9 | | | -2.7 | | | | | |
| 11S 33W 10BDD 01 | | 117.0 | | | | | | | | |
| 11S 33W 14DCC 01 | TO | 132.3 | | | | | | | | |
| 11S 34W 13AAB 01 | TO | 143.7 | | | .2 | | | | | |
| 11S 34W 16CDB 01 | TO | 120.2 | 2 | -1.7 | 0.0 | .1 | -.1 | 48 | 50 | 4 |
| 11S 35W 01DCC 01 | TO | 153.1 | | | -.7 | | | | | |
| 11S 36W 06ADD 02 | TO | 165.2 | -23 | -28.1 | 3.7 | -.6 | -1.3 | 78 | 55 | -29 |
| 11S 37W 01DCD 01 | | 167.6 | | | | | | | | |
| 13S 36W 20CCB 01 | QA | | | | | | | | | |
| 15S 37W 29AAA 01 | TO | 33.4 | | | .4 | | | | 27 | |



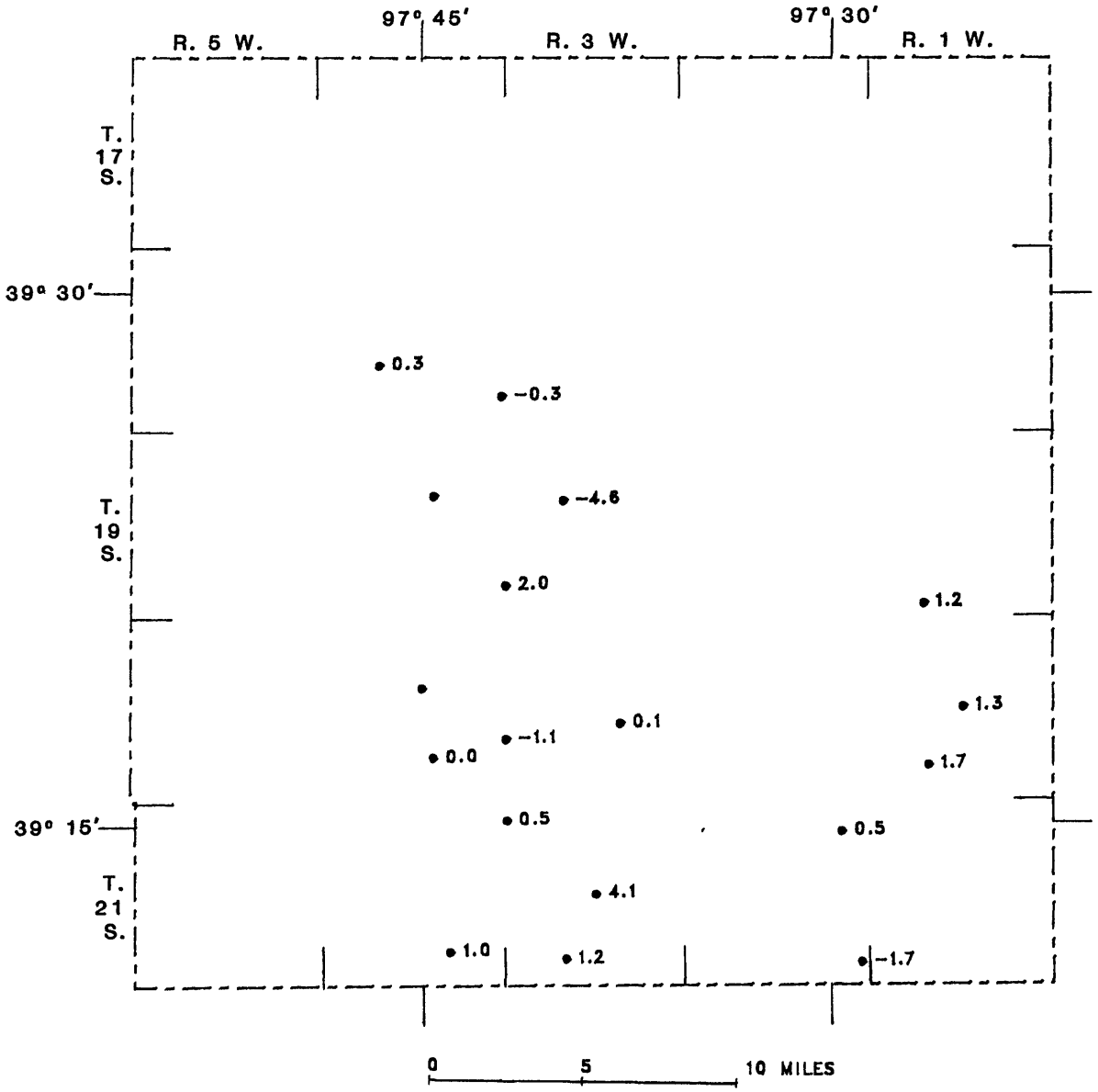

WATER–LEVEL CHANGE IN LOGAN COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, MCPHERSON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18S 03W 30CCC 01 | QU | 1515. | | | | | | 111.7 | 112.0 | 111.2 | 110.8 | 111.1 |
| 18S 04W 21CCC 01 | QU | 1412. | | | | | | 11.2 | 10.5 | 9.6 | 10.2 | 9.9 |
| 19S 01W 32DAC 01 | QU | 1590. | | | | | | 53.2 | 47.4 | 46.2 | 46.3 | 45.1 |
| 19S 03W 16BCB 01 | QU | 1511. | | | | | | 101.1 | 101.7 | 100.5 | 99.7 | 104.3 |
| 19S 03W 31BBA 01 | QU | 1494. | | | | | | | 81.1 | 81.2 | 81.4 | 79.4 |
| 19S 04W 15AAC 01 | | 1494. | | | | | | | 85.8 | 85.8 | 85.9 | |
| 20S 01W 22BBB 01 | QU | 1527. | | | | | | 9.5 | 11.0 | 7.3 | 6.9 | 5.6 |
| 20S 01W 29DDD 01 | QU | 1530. | | | | | | | 4.7 | 6.2 | 7.3 | 5.6 |
| 20S 03W 22DAA 01 | QU | 1473. | | | | | | | | 37.5 | 37.6 | 37.5 |
| 20S 03W 3CBBA 01 | QU | 1476. | | | | | | | 53.4 | 53.5 | 52.6 | 53.7 |
| 20S 04W 15BDD 01 | QU | 1474. | | | | | | | 52.7 | 52.5 | | |
| 20S 04W 27DAC 01 | QU | 1467. | | | | | | | 43.0 | 40.7 | 41.5 | 41.5 |
| 21S 02W 12BBB 01 | QU | 1503. | | | | | | | 11.4 | 10.3 | 10.6 | 10.1 |
| 21S 02W 36ACA 01 | QU | 1475. | | | | | | | 11.2 | 8.7 | 9.4 | 11.1 |
| 21S 03W 06CBD 01 | QU | 1464. | | | | | | | 44.8 | 44.2 | 43.6 | 43.1 |
| 21S 03W 22BBB 01 | QU | 1450. | | | | | | | 34.6 | 34.0 | 33.9 | 29.8 |
| 21S 03W 33BBC 01 | QU | 1461. | | | | | | 55.8 | 47.7 | 45.2 | 43.8 | 42.6 |
| 21S 04W 26CDC 01 | QU | 1445. | | | | | | | 33.8 | 31.3 | 30.2 | 29.2 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, MCPHERSON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 18S 03W 30CCC 01 | QU | 111.1 | | | -.3 | | | | | |
| 18S 04W 21CCC 01 | QU | 9.9 | | | .3 | | | | | |
| 19S 01W 32DAC 01 | QU | 45.1 | | | 1.2 | | | | | |
| 19S 03W 16BCB 01 | QU | 104.3 | | | -4.6 | | | | | |
| 19S 03W 31BBA 01 | QU | 79.4 | | | 2.0 | | | | | |
| 19S 04W 15AAC 01 | | | | | | | | | | |
| 20S 01W 22BBB 01 | QU | 5.6 | | | 1.3 | | | | | |
| 20S 01W 29DDD 01 | QU | 5.6 | | | 1.7 | | | | | |
| 20S 03W 22DAA 01 | QU | 37.5 | | | .1 | | | | | |
| 20S 03W 30BBA 01 | QU | 53.7 | | | -1.1 | | | | | |
| 20S 04W 15BDD 01 | QU | | | | | | | | | |
| 20S 04W 27DAC 01 | QU | 41.5 | | | 0.0 | | | | | |
| 21S 02W 12BBB 01 | QU | 10.1 | | | .5 | | | | | |
| 21S 02W 36ACA 01 | QU | 11.1 | | | -1.7 | | | | | |
| 21S 03W 06CBD 01 | QU | 43.1 | | | .5 | | | | | |
| 21S 03W 22BBB 01 | QU | 29.8 | | | 4.1 | | | | | |
| 21S 03W 33BBC 01 | QU | 42.6 | | | 1.2 | | | | | |
| 21S 04W 26CDC 01 | QU | 29.2 | | | 1.0 | | | | | |



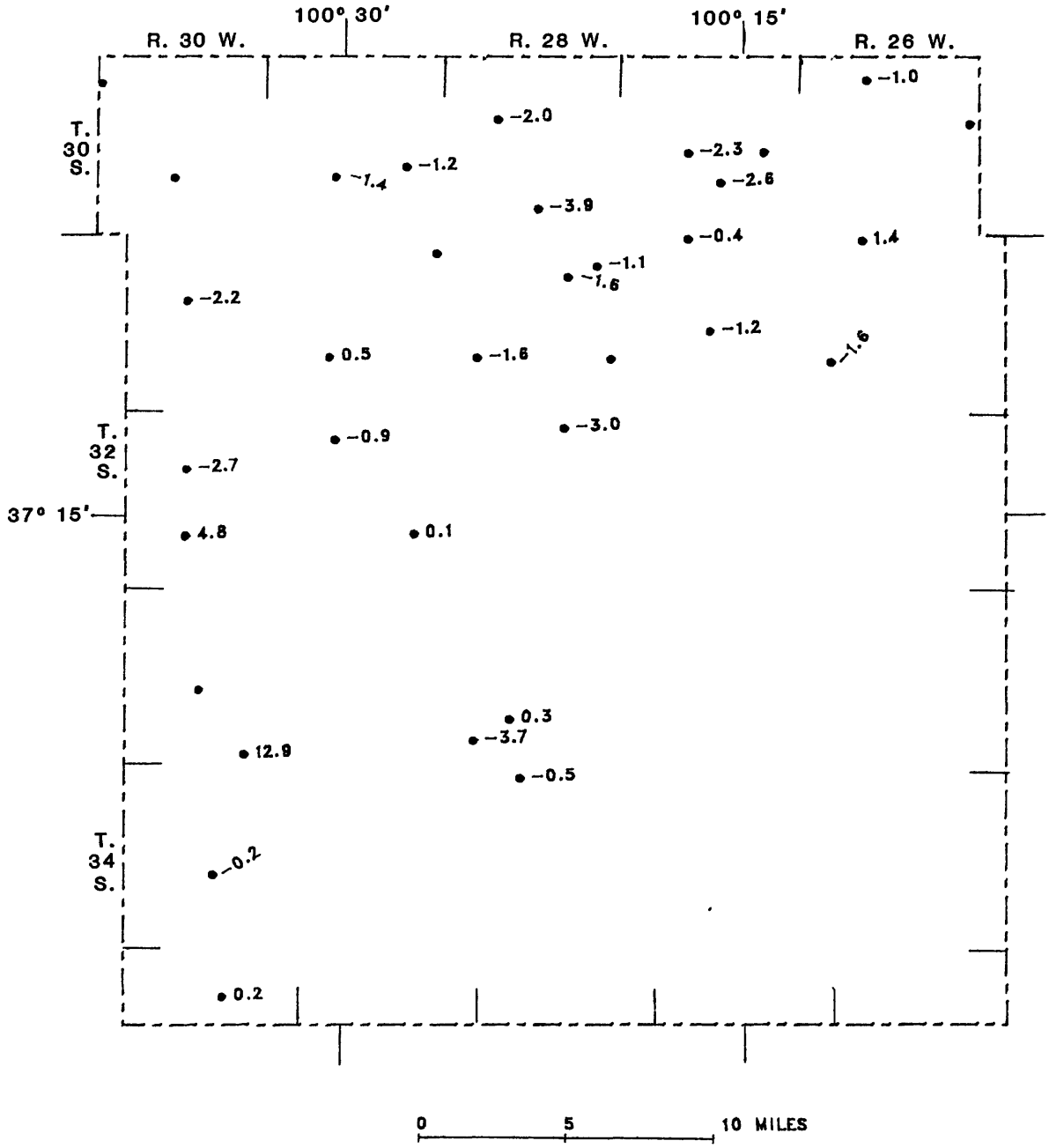

WATER–LEVEL CHANGE IN MCPHERSON COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, MEADE CCUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TC WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30S 26W 04CBB 01 | QU,TC | 2525. | 415 | 11 | 20.7 | 43.0 | 47.7 | 46.5 | 44.7 | 45.8 | 48.8 | 49.8 |
| 30S 26W 13ABB 01 | | 2575. | | | | | | | | 64.0 | | |
| 30S 26W 32DDD 01 | | 2488. | 388 | 16 | | | | | 19.3 | 17.9 | 18.7 | 17.3 |
| 30S 27W 2CABA 01 | | 2564. | | | | | | | 56.0 | 56.8 | 60.4 | 62.7 |
| 30S 27W 23ABB 01 | QU,TC | 2531. | 321 | 12 | 16.5 | 39.8 | 44.0 | 42.7 | 41.4 | 42.0 | 44.4 | |
| 30S 27W 27BBB 01 | | 2518. | | | | | | | | 25.5 | 22.1 | 24.7 |
| 30S 27W 32DDD 01 | | 2475. | 315 | 26 | 11.8 | 7.6 | 9.1 | 7.5 | 7.0 | 7.1 | 7.7 | 8.1 |
| 30S 28W 17ABB 01 | QU,TC | 2697. | 517 | 102 | 109.6 | 132.3 | 136.1 | 136.7 | 139.0 | 141.3 | 144.7 | 146.7 |
| 30S 28W 33AAA 01 | | 2646. | 466 | 85 | | | | | 116.5 | 119.2 | 120.3 | 124.2 |
| 30S 29W 23CAD 01 | QU,TC | 2744. | 544 | 134 | 141.3 | 171.1 | 176.3 | 179.3 | 181.9 | 178.0 | 180.0 | 181.2 |
| 30S 29W 28BBB 01 | QU,TC | 2758. | 553 | 137 | 137.8 | 172.0 | 174.7 | 175.5 | 175.2 | 176.2 | 175.8 | 177.2 |
| 30S 30W 06CCC 01 | | 2824. | 449 | 152 | | | | | 185.8 | 199.5 | 201.3 | |
| 30S 30W 28ABB 01 | QU,TC | 2803. | 508 | 150 | 145.9 | 179.8 | 184.1 | 183.6 | 186.1 | 188.6 | 191.7 | |
| 31S 26W 30BBB 01 | QU,TC | 2516. | | 98 | | 101.5 | 102.5 | | 102.5 | 102.1 | 102.0 | 103.6 |
| 31S 27W 2CAAA 02 | QU,TC | 2466. | 326 | 15 | | | 30.6 | 30.0 | 27.1 | 27.1 | 28.1 | 29.3 |
| 31S 28W 02CCC 01 | | 2623. | | | | | | | 123.5 | 124.4 | 121.2 | 122.3 |
| 31S 28W 1CBCB 01 | QU,TC | 2643. | 463 | 114 | 112.2 | 131.5 | 133.1 | 134.2 | 134.7 | 139.4 | 136.9 | 138.5 |
| 31S 28W 26ABB 01 | | 2496. | | | | | | | | 30.5 | 27.0 | |
| 31S 29W 02DBB 01 | | 2720. | 420 | 130 | | | | | 178.6 | 175.2 | 178.0 | |
| 31S 29W 25AAA 02 | QU,TC | 2698. | 438 | 145 | 156.5 | 176.5 | 178.9 | 177.7 | 177.5 | 178.3 | 181.2 | 182.8 |
| 31S 29W 3CAAA 01 | QU,TC | 2741. | 461 | 136 | 130.2 | 158.2 | 161.3 | 162.5 | 160.5 | 169.0 | 166.7 | 166.2 |
| 31S 30W 16BBC 01 | QU,TC | 2770. | 505 | 136 | 133.9 | 175.8 | 177.9 | 179.3 | 182.8 | 186.3 | 188.9 | 191.1 |
| 32S 28W 04ADD 01 | QU,TC | 2546. | 366 | 63 | 66.1 | 73.7 | 71.2 | 72.7 | 71.6 | 73.9 | 71.4 | 74.4 |
| 32S 29W 05CC 01 | QU,TC | 2719. | 464 | 139 | 137.3 | 163.1 | 163.1 | 164.0 | 163.2 | 168.2 | 167.7 | 168.6 |
| 32S 29W 27AAB 02 | QU,TC | 2688. | 555 | 143 | | 145.9 | 147.0 | 146.9 | 148.5 | 149.8 | 149.5 | 149.4 |
| 32S 30W 09CCC 01 | QU,TC | 2764. | 504 | 155 | 156.7 | 189.1 | 191.8 | 191.1 | 192.4 | 192.9 | 194.3 | 197.0 |
| 32S 30W 28BBC 01 | QU,TC | 2759. | 459 | 167 | 170.2 | 201.7 | 204.3 | 206.1 | 205.8 | 212.9 | 211.3 | 206.5 |
| 33S 28W 29BCB 01 | TO | 2371. | 160 | 14 | 14.3 | 16.3 | 16.3 | 15.9 | 14.4 | 14.8 | 15.6 | 15.3 |
| 33S 29W 36AAB 01 | QU,TC | 2463. | 283 | 81 | 81.3 | 90.7 | 86.8 | 86.5 | 86.0 | 87.1 | 87.2 | 90.9 |
| 33S 30W 21ACC 01 | | 2725. | | | | | | | 180.7 | 183.2 | | 183.8 |
| 33S 30W 35CBB 01 | QU,TC | 2684. | 544 | 161 | 157.8 | | 175.1 | | 171.1 | 179.2 | 180.3 | 167.4 |
| 34S 28W 05BDA 01 | | 2350. | | | | | | | | 25.8 | 24.7 | 25.2 |
| 34S 30W 22CBC 01 | TO | 2675. | 675 | 191 | | 195.0 | 196.4 | 196.2 | 197.1 | 197.7 | 198.3 | 198.5 |
| 35S 30W 10CDA 01 | QA,QL,TO | 2393. | 318 | 23 | 23.1 | 26.1 | 26.7 | 25.5 | 25.0 | 25.9 | 25.4 | 25.2 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, MEADE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 30S 26W 04CBB 01 | QU,TO | 49.8 | -39 | -29.1 | -1.0 | -.8 | -1.3 | 404 | 365 | -10 |
| 30S 26W 13ABB 01 | | | | | | | | | | |
| 30S 26W 32DDD 01 | | 17.3 | -1 | | 1.4 | | | 372 | 371 | |
| 30S 27W 20ABA 01 | | 62.7 | | | -2.3 | | | | | |
| 30S 27W 23ABB 01 | QU,TO | | | | | | | | | |
| 30S 27W 27BBB 01 | | 24.7 | | | -2.6 | | | | | |
| 30S 27W 32DDD 01 | | 8.1 | 18 | 3.8 | -.4 | .4 | .2 | 289 | 307 | 6 |
| 30S 28W 17ABB 01 | QU,TO | 146.7 | -45 | -37.1 | -2.0 | -.9 | -1.7 | 415 | 370 | -11 |
| 30S 28W 33AAA 01 | | 124.2 | -39 | | -3.9 | -.8 | | 381 | 342 | -10 |
| 30S 29W 23CAD 01 | QU,TO | 181.2 | -47 | -39.9 | -1.2 | -1.0 | -1.8 | 410 | 363 | -11 |
| 30S 29W 28BBB 01 | QU,TO | 177.2 | -40 | -39.3 | -1.4 | -.8 | -1.8 | 416 | 376 | -10 |
| 30S 30W 06CCC 01 | | | | | | | | | | |
| 30S 30W 28ABB 01 | QU,TO | | | | | | | | | |
| 31S 26W 30BBB 01 | QU,TO | 103.6 | -6 | | -1.6 | -.1 | | | | |
| 31S 27W 20AAA 02 | QU,TO | 29.3 | -14 | | -1.2 | -.3 | | 311 | 297 | -5 |
| 31S 28W 02CCC 01 | | 122.3 | | | -1.1 | | | | | |
| 31S 28W 10BCB 01 | QU,TO | 138.5 | -25 | -26.3 | -1.6 | -.5 | -1.2 | 349 | 325 | -7 |
| 31S 28W 26ABB 01 | | | | | | | | | | |
| 31S 29W 02DBB 01 | | | | | | | | | | |
| 31S 29W 25AAA 02 | QU,TO | 182.8 | -38 | -26.3 | -1.6 | -.8 | -1.2 | 293 | 255 | -13 |
| 31S 29W 30AAA 01 | QU,TO | 166.2 | -30 | -36.0 | .5 | -.6 | -1.6 | 325 | 295 | -9 |
| 31S 30W 16BBC 01 | QU,TO | 191.1 | -55 | -57.2 | -2.2 | -1.1 | -2.6 | 369 | 314 | -15 |
| 32S 28W 04ADD 01 | QU,TO | 74.4 | -11 | -8.3 | -3.0 | -.2 | -.4 | 303 | 292 | -4 |
| 32S 29W 05CC 01 | QU,TO | 168.6 | -30 | -31.3 | -.9 | -.6 | -1.4 | 325 | 295 | -9 |
| 32S 29W 27AAB 02 | QU,TO | 149.4 | -6 | | .1 | -.1 | | 412 | 406 | -1 |
| 32S 30W 09CCC 01 | QU,TO | 197.0 | -42 | -40.3 | -2.7 | -.9 | -1.8 | 349 | 307 | -12 |
| 32S 30W 28BBC 01 | QU,TO | 206.5 | -40 | -36.2 | 4.8 | -.8 | -1.6 | 292 | 253 | -13 |
| 33S 28W 29BCB 01 | TO | 15.3 | -1 | -1.0 | .3 | | | 146 | 145 | -1 |
| 33S 29W 36AAB 01 | QU,TO | 90.9 | -10 | -9.6 | -3.7 | -.2 | -.4 | 202 | 192 | -5 |
| 33S 30W 21ACC 01 | | 183.8 | | | | | | | | |
| 33S 30W 35CBB 01 | QU,TO | 167.4 | -6 | -9.6 | 12.9 | -.1 | -.4 | 383 | 377 | -2 |
| 34S 28W 05BCA 01 | | 25.2 | | | -.5 | | | | | |
| 34S 30W 22CBC 01 | TO | 198.5 | -8 | | -.2 | -.2 | | 484 | 477 | -1 |
| 35S 30W 10CDA 01 | QA,QU,TO | 25.2 | -2 | -2.0 | .2 | | -.1 | 295 | 293 | -1 |




WATER–LEVEL CHANGE IN MEADE COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, MORTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31S 39W 18CCC 01 | QU,TO | 3246. | 226 | 116 | 135.6 | | 197.7 | 191.3 | | | 204.8 | 203.7 |
| 31S 39W 33BCC 01 | QU,TC,KJ | 3253. | 278 | 123 | 160.0 | 215.4 | 222.7 | 222.4 | 220.6 | 231.0 | 224.9 | 233.2 |
| 31S 40W 01DA 01 | QU,TC | 3236. | 276 | 111 | 133.1 | | 181.3 | 180.7 | 187.1 | 189.8 | 191.4 | 191.2 |
| 31S 40W 29ABB 01 | QU,TC | 3331. | 233 | 141 | 166.1 | 181.5 | 182.4 | 182.2 | | 183.6 | 184.6 | 183.2 |
| 31S 41W 07CDD 01 | KJ | 3441. | | | | 135.1 | 135.8 | 135.5 | 135.3 | 135.6 | 135.9 | |
| 31S 41W 31CBB 01 | KJ | 3441. | | | 73.0 | | 94.2 | 93.5 | 91.3 | 99.2 | 100.9 | 94.9 |
| 31S 42W 29AAB 01 | QU,TC,KJ | 3510. | | 74 | 93.1 | 101.8 | 100.7 | 102.7 | 102.0 | 101.1 | 100.3 | 101.0 |
| 31S 43W 03CB 01 | QU,TC,KJ | 3609. | | 61 | 65.7 | 66.1 | 64.8 | 65.2 | 64.0 | | 64.3 | 64.5 |
| 31S 43W 14DDC 01 | KU | 3576. | | | 67.7 | 68.5 | 69.0 | 69.3 | 68.2 | 69.8 | 70.8 | 70.2 |
| 32S 40W 07BDC 01 | | 3302. | | 52 | | | | | 106.8 | | | 109.3 |
| 32S 40W 21ADB 01 | QU,TC | 3340. | | | | | | | 183.8 | 190.9 | 193.7 | 193.6 |
| 32S 41W 15CDC 01 | QU,TC,KJ | 3360. | | | 18.0 | 21.8 | 19.8 | 21.1 | 21.2 | 20.0 | 21.6 | 22.0 |
| 32S 41W 35DCC 01 | | 3420. | | | | | | | | 173.8 | 168.1 | 180.3 |
| 32S 42W 14CCC 01 | QU,TC,KJ | 3500. | | | 90.6 | 118.3 | 124.7 | 128.6 | 122.0 | 127.0 | 127.8 | 124.1 |
| 32S 42W 21BCC 01 | QU,TC,KJ | 3526. | 186 | 64 | 113.6 | 153.8 | 151.8 | 158.7 | 152.6 | | | 155.1 |
| 32S 42W 26CDD 01 | QU,TC,KJ | 3485. | 175 | 75 | 102.0 | 148.1 | 147.8 | | 153.4 | | 151.0 | 119.2 |
| 32S 43W 08CBD 01 | | 3615. | | 45 | | | | | 89.3 | 95.1 | 94.5 | 93.3 |
| 32S 43W 17DCC 01 | TO | 3626. | 146 | 60 | 60.0 | 73.1 | 71.6 | 75.1 | 71.6 | | 74.1 | 73.0 |
| 32S 43W 28BBC 01 | | 3526. | | | | | | | 62.0 | 63.2 | | 64.5 |
| 33S 39W 04DBB 01 | TO | 3237. | 357 | 87 | | | | | 97.1 | 97.5 | 97.8 | 97.8 |
| 33S 39W 16ABB 01 | QU,TC | 3234. | 344 | 82 | 70.0 | 73.4 | 76.7 | 78.7 | 75.0 | 76.3 | 77.2 | 77.5 |
| 33S 40W 27CCC 01 | QU,TC | 3308. | 323 | 98 | 80.0 | 87.3 | 81.7 | 91.7 | 84.2 | 82.7 | 81.3 | 81.5 |
| 33S 41W 03AAD 01 | QU,TC,KJ | 3425. | 445 | 113 | 117.2 | 141.3 | 145.0 | 147.3 | 139.6 | 144.5 | 140.9 | 146.6 |
| 33S 41W 33DDD 01 | QU | 3377. | 157 | 68 | 69.4 | 67.0 | 67.2 | 68.6 | 68.1 | 70.4 | 69.1 | 68.6 |
| 33S 42W 05DCC 01 | | 3235. | | | | | | | 66.9 | | | 70.1 |
| 33S 42W 21BCB 01 | QU,TC | 3527. | 167 | 87 | 85.0 | 98.2 | 99.2 | 102.9 | 88.2 | 89.2 | 89.2 | 88.6 |
| 33S 43W 08BDA 01 | QU,TC,KJ | 3643. | 183 | 86 | 95.0 | 106.7 | | 107.8 | | 105.4 | 105.3 | 107.3 |
| 33S 43W 09DBA 01 | | 3612. | | | | | | | | 87.5 | | 88.9 |
| 34S 39W 06CCA 01 | | 3310. | 355 | 140 | | | | | 121.3 | 121.0 | 123.0 | 120.7 |
| 34S 40W 16ABB 01 | | 3363. | 388 | 163 | | | | | 144.8 | 145.1 | 144.9 | 144.7 |
| 34S 41W 26DCD 01 | | 3360. | 290 | 120 | | | | | 157.0 | 158.2 | 159.2 | 160.3 |
| 34S 41W 28CBA 01 | | 3299. | | | | | | | 118.6 | 119.7 | 120.1 | 121.1 |
| 34S 42W 05BDC 01 | QU,KJ | 3449. | 69 | 31 | 38.4 | 39.1 | 39.1 | 40.9 | 39.3 | 39.6 | | |
| 34S 42W 22CDB 01 | QU,TC | 3492. | 112 | 92 | | 79.5 | | | | 79.4 | 79.2 | |
| 34S 43W 07BDD 01 | KJ | 3655. | | 125 | 147.2 | | | 150.3 | 150.8 | 149.3 | 149.5 | 149.7 |
| 35S 39W 06CDD 01 | | 3330. | 510 | 175 | | | | | 210.1 | 211.5 | 212.8 | 212.2 |
| 35S 40W 03BBB 02 | | 3369. | | | | | | | | | 178.5 | 178.7 |
| 35S 41W 16CCD 01 | | 3385. | | 80 | | | | | 217.2 | | 215.6 | 216.5 |
| 35S 42W 02DBB 01 | | 3554. | | | | | | | 168.2 | 169.0 | 169.5 | 170.1 |
| 35S 43W 04AAC 01 | | 3554. | 179 | 76 | | | | | 79.7 | 81.1 | 83.0 | 78.4 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, MORTON COUNTY

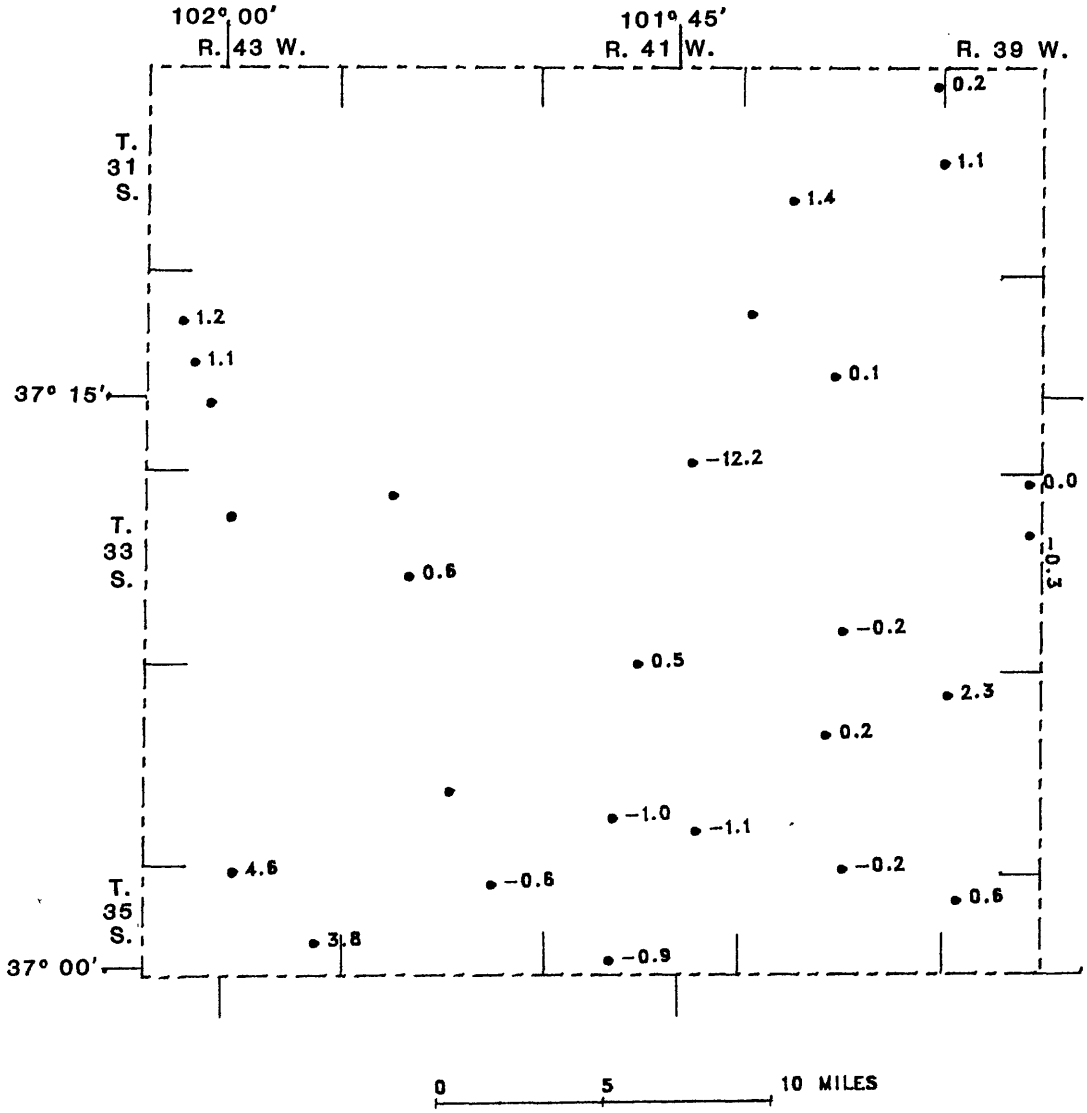
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35S 43W 13BDB 01 | QU,TC | 3615. | 305 | 151 | | 183.3 | 185.8 | 190.2 | 183.1 | 184.2 | 190.3 | 186.5 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, MORTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 31S 39W 18CCC 01 | QU,TO | 203.7 | -88 | -68.1 | 1.1 | -1.8 | -3.1 | 110 | 22 | -80 |
| 31S 39W 33BCC 01 | QU,TO,KJ | 233.2 | -110 | -73.2 | -8.3 | -2.3 | -3.3 | | | |
| 31S 40W 01DA 01 | QU,TO | 191.2 | -80 | -58.1 | .2 | -1.7 | -2.6 | 165 | 85 | -48 |
| 31S 40W 29ABB 01 | QU,TO | 183.2 | -42 | -17.1 | 1.4 | -.9 | -.8 | 92 | 50 | -46 |
| 31S 41W 07CDD 01 | KJ | | | | | | | | | |
| 31S 41W 31CBB 01 | KJ | 94.9 | | -21.9 | 6.0 | | -1.0 | | | |
| 31S 42W 29AAB 01 | QU,TO,KJ | 101.0 | -27 | -7.9 | -.7 | -.6 | -.4 | | | |
| 31S 43W 03CB 01 | QU,TO,KJ | 64.5 | -4 | 1.2 | -.2 | -.1 | .1 | | | |
| 31S 43W 14DCC 01 | KU | 70.2 | | -2.4 | .6 | | -.1 | | | |
| 32S 40W 07BDC 01 | | 109.3 | -57 | | | -1.2 | | | | |
| 32S 40W 21ADB 01 | QU,TO | 193.6 | -62 | -37.6 | .1 | -1.3 | -1.7 | 105 | 43 | -59 |
| 32S 41W 15CDC 01 | QU,TO,KJ | 22.0 | | -4.0 | -.4 | | -.2 | | | |
| 32S 41W 35DCC 01 | | 180.3 | | | -12.2 | | | | | |
| 32S 42W 14CCC 01 | QU,TO,KJ | 124.1 | | -33.5 | 3.7 | | -1.5 | | | |
| 32S 42W 21BCC 01 | QU,TO,KJ | 155.1 | -91 | -41.5 | | -1.9 | -1.9 | | | |
| 32S 42W 26CDD 01 | QU,TO,KJ | 119.2 | -44 | -17.2 | 31.8 | -.9 | -.8 | | | |
| 32S 43W 08C3D 01 | | 93.3 | -48 | | 1.2 | -1.0 | | | | |
| 32S 43W 17DCC 01 | TO | 73.0 | -13 | -13.0 | 1.1 | -.3 | -.6 | 86 | 73 | -15 |
| 32S 43W 28BBC 01 | | 64.5 | | | | | | | | |
| 33S 39W 04DBB 01 | TO | 97.8 | -11 | | 0.0 | -.2 | | 270 | 259 | -4 |
| 33S 39W 16ABB 01 | QU,TO | 77.5 | 5 | -7.5 | -.3 | .1 | -.3 | 262 | 267 | 2 |
| 33S 40W 27CCC 01 | QU,TO | 81.5 | 17 | -1.5 | -.2 | .4 | -.1 | 225 | 242 | 8 |
| 33S 41W 03AAD 01 | QU,TO,KJ | 146.6 | -34 | -29.3 | -5.7 | -.7 | -1.3 | | | |
| 33S 41W 33DDD 01 | QU | 68.6 | -1 | .8 | .5 | | | 89 | 88 | -1 |
| 33S 42W 05DCC 01 | | 70.1 | | | | | | | | |
| 33S 42W 21BCB 01 | QU,TO | 88.6 | -2 | -3.6 | .6 | | -.2 | 80 | 78 | -3 |
| 33S 43W 08BDA 01 | QU,TO,KJ | 107.3 | -21 | -12.3 | -2.0 | -.4 | -.6 | | | |
| 33S 43W 09DBA 01 | | 88.9 | | | | | | | | |
| 34S 39W 06CCA 01 | | 120.7 | 19 | | 2.3 | .4 | | 215 | 234 | 9 |
| 34S 40W 16ABB 01 | | 144.7 | 18 | | .2 | .4 | | 225 | 243 | 8 |
| 34S 41W 26DCD 01 | | 160.3 | -40 | | -1.1 | -.8 | | 170 | 130 | -24 |
| 34S 41W 28CBA 01 | | 121.1 | | | -1.0 | | | | | |
| 34S 42W 05BDC 01 | QU,KJ | | | | | | | | | |
| 34S 42W 22CDB 01 | QU,TO | | | | | | | | | |
| 34S 43W 07BCD 01 | KJ | 149.7 | -25 | -2.5 | -.2 | -.5 | -.1 | | | |
| 35S 39W 06CDD 01 | | 212.2 | -37 | | .6 | -.8 | | 335 | 298 | -11 |
| 35S 40W 03BBB 02 | | 178.7 | | | -.2 | | | | | |
| 35S 41W 16CCD 01 | | 216.5 | -137 | | -.9 | -2.9 | | | | |
| 35S 42W 02DBB 01 | | 170.1 | | | -.6 | | | | | |
| 35S 43W 04AAC 01 | | 78.4 | -2 | | 4.6 | | | 103 | 101 | -2 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, MORTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 135S 43W 13BDB 01 | QU,TO | 186.5 | -36 | | 3.8 | -.8 | | 154 | 119 | -23 |



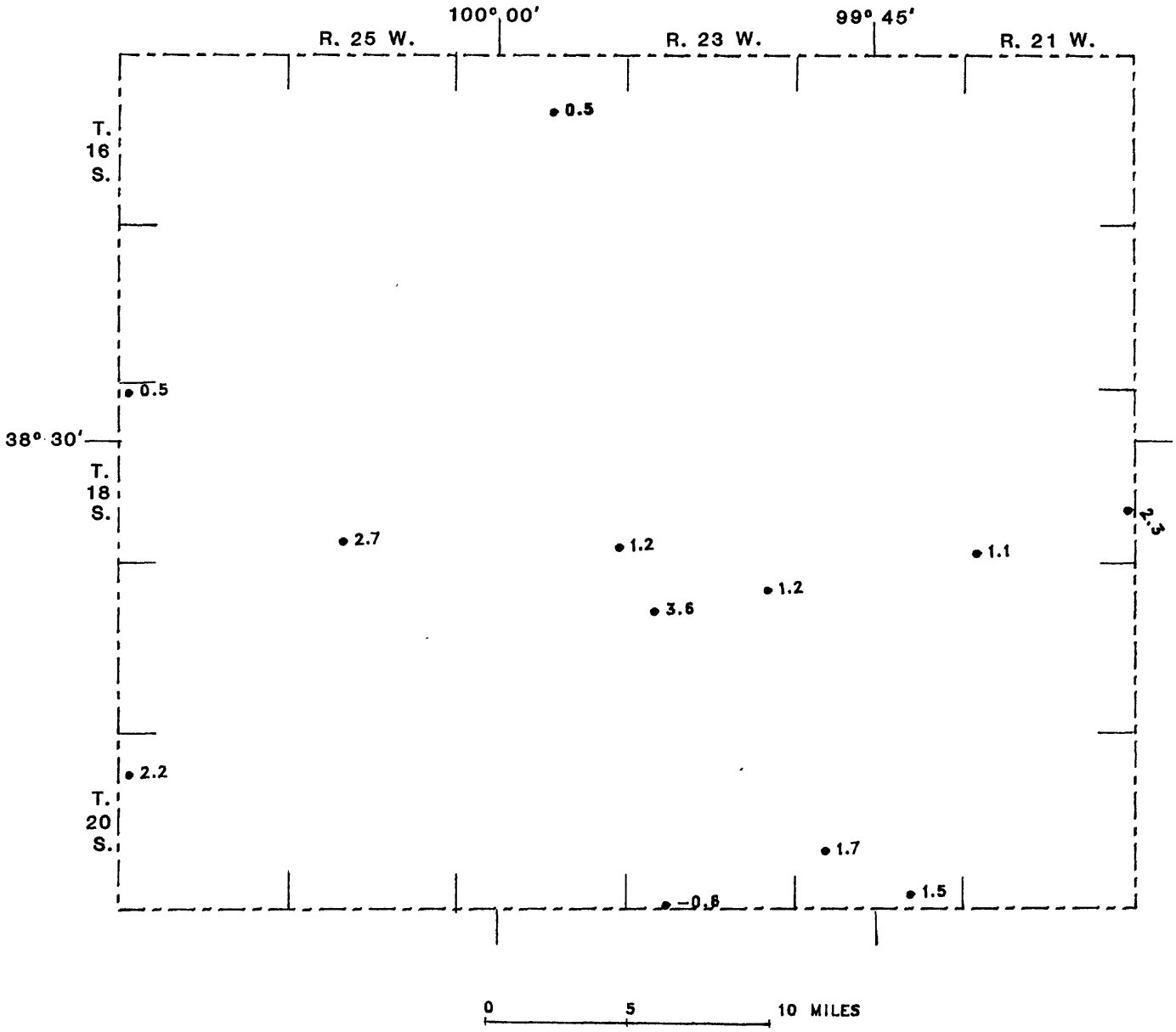

WATER–LEVEL CHANGE IN MORTON COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, NESS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16S 24W 15ABB 01 | TO | | | | | 29.5 | 29.7 | 29.8 | 30.1 | 29.8 | 29.9 | 29.4 |
| 18S 21W 25AAB 01 | QA | 2085. | | | | | 28.7 | 30.0 | 29.9 | 29.5 | 29.2 | 26.9 |
| 18S 21W 31CAA 01 | QU | 2122. | | | | 31.7 | 31.6 | 32.3 | 32.4 | 32.2 | 31.6 | 30.5 |
| 18S 24W 36ADB 01 | QA | 2235. | | | | 33.6 | 34.3 | 34.3 | 34.4 | 33.9 | 32.7 | 31.5 |
| 18S 25W 33BBC 01 | QA | 2402. | | | | 25.6 | 28.4 | 29.2 | 29.5 | 29.5 | 29.9 | 27.2 |
| 18S 26W 06BAB 02 | QA,TO | 2570. | | | | 7.1 | 7.2 | 7.2 | 7.3 | | 7.5 | 7.0 |
| 19S 23W 01CCB 01 | | 2214. | | | | 88.2 | 87.9 | 88.5 | 89.9 | 87.5 | 88.1 | 86.9 |
| 19S 23W 08CBB 01 | | 2220. | | | | 23.5 | 21.8 | 21.8 | 21.9 | 22.5 | 22.2 | 18.6 |
| 20S 22W 20CCC 01 | | 2189. | | | | 43.9 | 43.9 | 44.0 | 46.3 | 57.5 | 57.7 | 56.0 |
| 20S 22W 35BCC 01 | QA | 2168. | | | | 38.3 | 42.6 | 43.6 | 44.5 | 44.8 | 45.1 | 43.6 |
| 20S 23W 32CDA 01 | | 2233. | | | | 35.7 | | 36.6 | 37.0 | 37.2 | 36.2 | 36.8 |
| 20S 26W 07BDC 01 | QA | 2538. | | | | 24.8 | 24.3 | 24.6 | 23.1 | 23.3 | 21.9 | 19.7 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, NESS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16S 24W 15ABB 01 | TO | 29.4 | | | .5 | | | | | |
| 18S 21W 25AAB 01 | QA | 26.9 | | | 2.3 | | | | | |
| 18S 21W 31CAA 01 | QU | 30.5 | | | 1.1 | | | | | |
| 18S 24W 36ADB 01 | QA | 31.5 | | | 1.2 | | | | | |
| 18S 25W 33BBC 01 | QA | 27.2 | | | 2.7 | | | | | |
| 18S 26W 06BAB 02 | QA,TO | 7.0 | | | .5 | | | | | |
| 19S 23W 01CCB 01 | | 86.9 | | | 1.2 | | | | | |
| 19S 23W 08CBB 01 | | 18.6 | | | 3.6 | | | | | |
| 20S 22W 20CCC 01 | | 56.0 | | | 1.7 | | | | | |
| 20S 22W 35BCC 01 | QA | 43.6 | | | 1.5 | | | | | |
| 20S 23W 32CDA 01 | | 36.8 | | | -.6 | | | | | |
| 20S 26W 07BDC 01 | QA | 19.7 | | | 2.2 | | | | | |



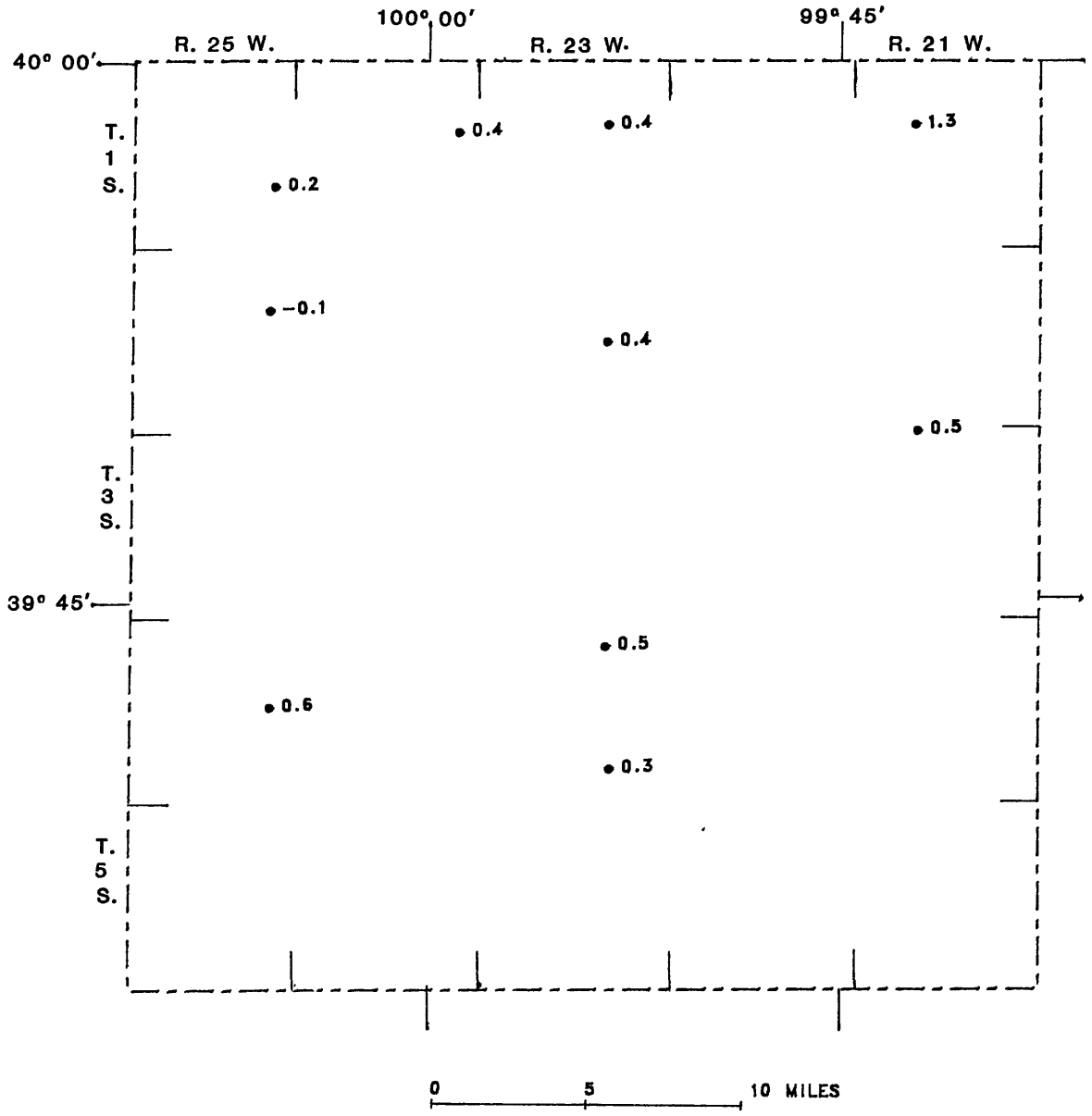

WATER–LEVEL CHANGE IN NESS COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, NORTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01S 21W 17AAA 01 | | 2290. | | | | | | | | 85.3 | 84.9 | 83.6 |
| 01S 23W 15AAA 01 | | 2340. | | | | | | | | 33.2 | 32.7 | 32.3 |
| 01S 24W 13BCB 01 | | 2425. | | | | | | | | 116.3 | 116.1 | 115.7 |
| 01S 25W 25BBB 01 | | 2405. | | | | | | | | 42.8 | 43.8 | 43.6 |
| 02S 21W 33CCC 01 | | | | | | | | | | 94.2 | 94.2 | 93.7 |
| 02S 23W 22AAA 01 | | 2378. | | | | | | | | 75.6 | 75.3 | 74.9 |
| 02S 25W 14AAA 01 | | | | | | | | | | 142.4 | 141.8 | 141.9 |
| 04S 23W 03DDD 01 | | | | | | | | | | 90.4 | 90.3 | 89.8 |
| 04S 23W 26CCC 01 | | | | | | | | | | 46.1 | 46.1 | 45.8 |
| 04S 25W 13CCC 01 | | | | | | | | | | 120.1 | 119.8 | 119.2 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, NORTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 01S 21W 17AAA 01 | | 83.6 | | | 1.3 | | | | | |
| 01S 23W 15AAA 01 | | 32.3 | | | .4 | | | | | |
| 01S 24W 13BCB 01 | | 115.7 | | | .4 | | | | | |
| 01S 25W 25BBB 01 | | 43.6 | | | .2 | | | | | |
| 02S 21W 33CCC 01 | | 93.7 | | | .5 | | | | | |
| 02S 23W 22AAA 01 | | 74.9 | | | .4 | | | | | |
| 02S 25W 14AAA 01 | | 141.9 | | | -.1 | | | | | |
| 04S 23W 03DDD 01 | | 89.8 | | | .5 | | | | | |
| 04S 23W 26CCC 01 | | 45.8 | | | .3 | | | | | |
| 04S 25W 13CCC 01 | | 119.2 | | | .6 | | | | | |



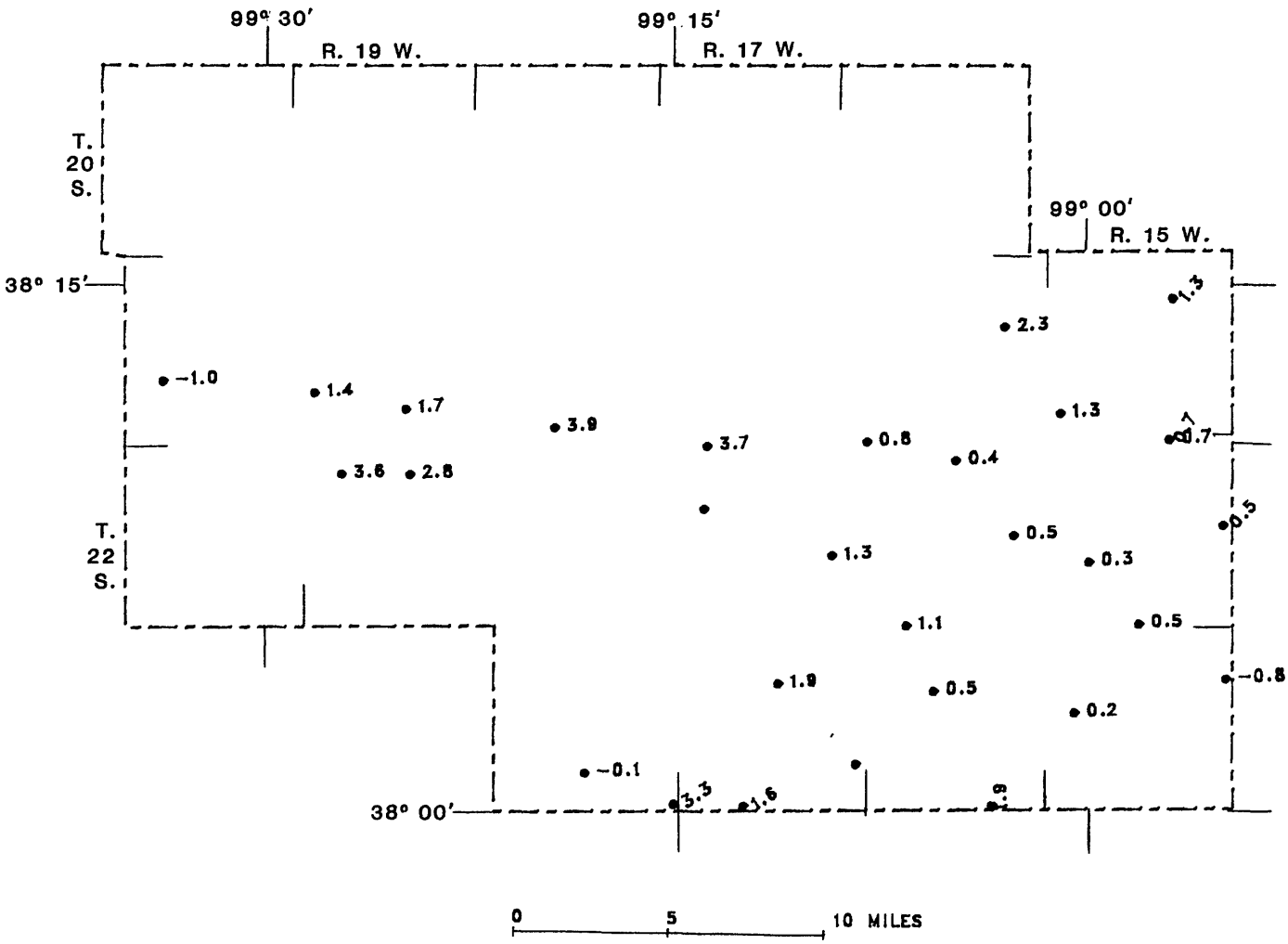

WATER–LEVEL CHANGE IN NORTON COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, PAWNEE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21S 15W 11CBB 01 | QA | 1932. | | 3 | 4.9 | 9.0 | 9.7 | 10.1 | 9.8 | 9.5 | 10.2 | 8.9 |
| 21S 15W 31BAD 01 | QU | 1972. | | 8 | 10.3 | 16.5 | 17.8 | 17.7 | 18.8 | 18.3 | 18.0 | 16.7 |
| 21S 16W 14ADC 01 | | 1970. | | 5 | | | | | 16.6 | 15.9 | 16.1 | 13.8 |
| 21S 18W 32DAA 01 | QA | 2056. | | 19 | 16.5 | 28.0 | 29.4 | 30.6 | 32.6 | 32.7 | 32.3 | 28.4 |
| 21S 19W 27CCC 01 | | 2076. | | 23 | | 41.4 | 42.2 | 38.9 | 43.8 | 44.1 | 44.6 | 42.9 |
| 21S 19W 30BCC 01 | | 2087. | | 29 | 33.3 | 43.8 | 44.7 | 45.5 | 46.5 | 47.3 | 47.8 | 46.4 |
| 21S 20W 29BBB 01 | | 2104. | | 24 | 34.8 | 43.3 | 44.8 | 45.1 | 47.2 | 46.0 | 46.3 | 47.3 |
| 22S 15W 03AAA 01 | QU | 1970. | 207 | 18 | 15.5 | 25.8 | 26.3 | 27.1 | 28.3 | 28.9 | 29.4 | 28.7 |
| 22S 15W 03AAA 02 | QU | 1970. | 207 | | 18.7 | 27.3 | 28.3 | 29.2 | 30.4 | 30.5 | 30.8 | 30.1 |
| 22S 15W 13DCA 01 | QU | 1976. | 171 | 29 | 17.5 | 33.3 | 34.6 | 35.9 | 37.7 | 37.8 | 37.7 | 37.2 |
| 22S 15W 20CDC 01 | QU | 2004. | 179 | 26 | 15.6 | 27.6 | 29.0 | 29.7 | 31.8 | 31.9 | 32.2 | 31.9 |
| 22S 15W 33DDD 01 | | 2003. | 128 | 28 | | | | | 34.4 | 34.3 | 33.3 | 32.8 |
| 22S 16W 03CBC 02 | QA | 1996. | | 8 | 9.4 | 14.1 | 14.7 | 14.7 | 15.4 | 14.9 | 14.0 | 13.6 |
| 22S 16W 06BBA 01 | QA | 2010. | | 8 | 14.6 | 16.7 | 17.7 | 18.2 | 18.3 | 18.1 | 17.7 | 16.9 |
| 22S 16W 23AAA 01 | QU | 2011. | 106 | 24 | 21.8 | 33.6 | 34.4 | 35.0 | 35.9 | 36.6 | 36.7 | 36.2 |
| 22S 16W 32CDD 01 | | 2047. | | | | | | | 31.4 | 31.7 | 30.5 | 29.4 |
| 22S 17W 05BBC 02 | | 2036. | | 15 | | 22.7 | 24.2 | 24.8 | 26.7 | 26.7 | 25.3 | 21.6 |
| 22S 17W 18AAD 01 | QU | 2047. | | 27 | | 35.6 | 37.0 | 37.8 | 39.6 | 38.8 | 36.4 | |
| 22S 17W 24CBC 01 | QA | 2034. | | 12 | 5.6 | 9.8 | 11.7 | 10.3 | | | 10.6 | 9.3 |
| 22S 19W 07AAA 01 | | 2102. | | | | 60.3 | 64.6 | 66.3 | 64.1 | 63.1 | 61.6 | 58.0 |
| 22S 19W 10BBA 01 | | 2087. | | | | 52.6 | 54.5 | 54.6 | 56.1 | 55.6 | 55.7 | 52.9 |
| 23S 15W 12DDB 01 | | 1974. | 145 | | | | | | | 30.4 | 28.8 | 29.6 |
| 23S 15W 18DDB 01 | QU | 2035. | 133 | 8 | 20.7 | 32.0 | 33.7 | | 36.3 | 36.7 | 36.0 | 35.8 |
| 23S 16W 16BAB 01 | QU | 2048. | 123 | 13 | 8.1 | 17.9 | 19.6 | 19.2 | 20.5 | 20.6 | 19.0 | 18.5 |
| 23S 16W 35CCD 02 | | | | | | 24.3 | 26.5 | 27.0 | 29.3 | 29.3 | 28.6 | 26.7 |
| 23S 17W 1CCDB 01 | QU | 2091. | 91 | 29 | 25.4 | 35.0 | 36.3 | 36.7 | | 38.1 | 38.0 | 36.1 |
| 23S 17W 25ADC 01 | QU | 2076. | 126 | 11 | 12.7 | 20.5 | 21.9 | 21.7 | | 23.7 | 25.8 | |
| 23S 17W 33CCA 01 | QU | 2109. | 119 | 22 | 16.4 | 26.0 | 27.2 | 27.6 | 28.5 | 29.3 | 28.3 | 26.7 |
| 23S 18W 28DAD 01 | QU | 2102. | 51 | 5 | 6.3 | 8.9 | 8.8 | 9.3 | 8.8 | 8.9 | 8.3 | 8.4 |
| 23S 18W 36DAC 01 | QU | 2116. | 96 | 21 | 8.2 | 23.2 | 25.0 | 24.9 | 25.9 | 25.8 | 24.4 | 21.1 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, PAWNEE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21S 15W 11CBB 01 | QA | 8.9 | -6 | -4.0 | 1.3 | -.1 | -.3 | | | |
| 21S 15W 31BAD 01 | QU | 16.7 | -9 | -6.4 | 1.3 | -.2 | -.5 | | | |
| 21S 16W 14ADC 01 | | 13.8 | -9 | | 2.3 | -.2 | | | | |
| 21S 18W 32DAA 01 | QA | 28.4 | -9 | -11.8 | 3.9 | -.2 | -.8 | | | |
| 21S 19W 27CCC 01 | | 42.9 | -20 | | 1.7 | -.5 | | | | |
| 21S 19W 30BCC 01 | | 46.4 | -17 | -13.1 | 1.4 | -.4 | -.9 | | | |
| 21S 20W 29BBB 01 | | 47.3 | -23 | -12.4 | -1.0 | -.5 | -.9 | | | |
| 22S 15W 03AAA 01 | QU | 28.7 | -11 | -13.2 | .7 | -.3 | -.9 | 189 | 178 | -6 |
| 22S 15W 03AAA 02 | QU | 30.1 | | -11.4 | .7 | | -.8 | | 177 | |
| 22S 15W 13DCA 01 | QU | 37.2 | -8 | -19.7 | .5 | -.2 | -1.4 | 142 | 134 | -6 |
| 22S 15W 20CDC 01 | QU | 31.9 | -6 | -16.3 | .3 | -.1 | -1.2 | 153 | 147 | -4 |
| 22S 15W 33DDD 01 | | 32.8 | -5 | | .5 | -.1 | | 100 | 95 | -5 |
| 22S 16W 03CBC 02 | QA | 13.6 | -6 | -4.2 | .4 | -.1 | -.3 | | | |
| 22S 16W 06BBA 01 | QA | 16.9 | -9 | -2.3 | .8 | -.2 | -.2 | | | |
| 22S 16W 23AAA 01 | QU | 36.2 | -12 | -14.4 | .5 | -.3 | -1.0 | 82 | 70 | -15 |
| 22S 16W 32CDD 01 | | 29.4 | | | 1.1 | | | | | |
| 22S 17W 05BBC 02 | | 21.6 | -7 | | 3.7 | -.2 | | | | |
| 22S 17W 18AAD 01 | QU | | | | | | | | | |
| 22S 17W 24CBC 01 | QA | 9.3 | 3 | -3.7 | 1.3 | .1 | -.3 | | | |
| 22S 19W 07AAA 01 | | 58.0 | | | 3.6 | | | | | |
| 22S 19W 10BBA 01 | | 52.9 | | | 2.8 | | | | | |
| 23S 15W 12DCB 01 | | 29.6 | | | -.8 | | | | 115 | |
| 23S 15W 18DCB 01 | QU | 35.8 | -28 | -15.1 | .2 | -.6 | -1.1 | 125 | 97 | -22 |
| 23S 16W 16BAB 01 | QU | 18.5 | -6 | -10.4 | .5 | -.1 | -.7 | 110 | 105 | -5 |
| 23S 16W 35CCD 02 | | 26.7 | | | 1.9 | | | | | |
| 23S 17W 10CDB 01 | QU | 36.1 | -7 | -10.7 | 1.9 | -.2 | -.8 | 62 | 55 | -11 |
| 23S 17W 25ADC 01 | QU | | | | | | | | | |
| 23S 17W 33CCA 01 | QU | 26.7 | -5 | -10.3 | 1.6 | -.1 | -.7 | 97 | 92 | -5 |
| 23S 18W 28DAD 01 | QU | 8.4 | -3 | -2.1 | -.1 | -.1 | -.2 | 46 | 43 | -7 |
| 23S 18W 36DAC 01 | QU | 21.1 | | -12.8 | 3.3 | | -.9 | 75 | 75 | |




WATER–LEVEL CHANGE IN PAWNEE COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, PRATT CCUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26S 11W 01DDB 01 | QU | 1801. | 171 | 23 | 23.5 | 24.3 | 24.7 | 25.3 | 24.2 | 23.1 | 22.9 | 21.1 |
| 26S 11W 27AAC 01 | QU | 1808. | 143 | 23 | 23.1 | 24.1 | 24.9 | 24.3 | 23.2 | 21.7 | 21.9 | 19.7 |
| 26S 11W 29BCB 01 | QU | 1830. | 183 | 19 | 16.0 | 14.3 | 17.0 | 16.6 | 15.4 | 13.2 | 13.2 | 11.5 |
| 26S 12W 02DBD 01 | QU | 1868. | 192 | 27 | 27.4 | 28.2 | 28.7 | 28.4 | 27.8 | 25.5 | 24.5 | 21.2 |
| 26S 12W 17CCA 01 | QU | 1906. | 196 | 37 | 34.1 | 36.6 | 37.1 | 36.6 | 35.0 | 32.0 | 31.3 | 28.3 |
| 26S 12W 34CDC 01 | QU | 1884. | 207 | 46 | 43.2 | 45.7 | 46.5 | 45.2 | 43.2 | 41.0 | 41.7 | 39.5 |
| 26S 12W 34CDC 02 | QU | 1884. | 207 | 46 | 41.0 | 44.0 | 44.8 | 43.9 | 41.9 | 40.0 | 40.7 | 34.2 |
| 26S 13W 16DAA 01 | QU | 1929. | 174 | 20 | 15.6 | 25.3 | 25.9 | 25.1 | 24.9 | 21.3 | 20.6 | 17.3 |
| 26S 13W 19BBD 01 | QU | 1953. | 193 | 18 | 14.4 | 25.4 | 26.5 | 26.9 | 27.3 | 24.0 | 23.7 | 19.1 |
| 26S 13W 34BCB 01 | QU | 1950. | 230 | 44 | 46.7 | 49.2 | 52.5 | 53.0 | 52.8 | 49.9 | 49.2 | 46.3 |
| 26S 14W 17DCB 01 | QU | 2010. | 213 | 10 | 16.5 | 26.0 | 28.2 | 27.8 | 30.4 | 27.1 | 26.7 | 22.0 |
| 26S 15W 01AAB 01 | | | | | | | | | | | 22.5 | 18.8 |
| 26S 15W 18DAB 01 | QU | 2050. | 250 | 11 | 4.8 | 15.7 | 17.1 | 17.3 | 18.5 | 17.7 | 17.6 | |
| 27S 11W 12CBC 01 | QU | 1783. | 99 | 51 | 46.3 | 46.1 | 46.7 | 44.8 | 45.3 | 44.3 | 45.3 | 41.3 |
| 27S 11W 31DAA 01 | QA | 1726. | 126 | 8 | 2.7 | 4.9 | 5.7 | 5.6 | | 4.7 | 4.9 | 4.3 |
| 27S 12W 12DAA 01 | | | | | | 55.6 | 56.6 | 55.8 | 55.1 | 54.2 | 54.2 | 50.5 |
| 27S 12W 33CBA 01 | QU | 1777. | 152 | 3 | 1.2 | 3.2 | 3.0 | 3.1 | 2.8 | 2.4 | 2.4 | 2.4 |
| 27S 13W 13DDC 01 | QU | 1897. | 145 | 72 | 57.0 | 58.8 | 65.1 | 58.5 | 58.5 | 57.1 | 56.9 | 55.4 |
| 27S 14W 03DAC 01 | QU | 1995. | 220 | 35 | | 43.6 | 45.1 | 45.8 | 46.4 | 43.8 | 44.0 | 39.8 |
| 27S 14W 12DDD 01 | QU | 1983. | 252 | 53 | 57.7 | 62.0 | 63.6 | 63.3 | 63.7 | 62.3 | 61.6 | 60.0 |
| 27S 14W 21CAB 01 | QU | 1998. | 203 | 39 | 34.2 | 41.5 | 43.1 | 43.9 | | 43.4 | 43.0 | 41.0 |
| 27S 15W 02ABC 01 | QU | 2036. | | 26 | | | 31.9 | 32.0 | 33.9 | 30.5 | 30.4 | 29.7 |
| 27S 15W 05CDB 01 | | 2070. | | | | | | | | | | 25.9 |
| 27S 15W 32CCA 01 | QU | 2068. | 193 | 48 | 45.9 | 50.1 | 51.6 | 54.3 | 53.7 | 56.5 | 52.6 | 51.0 |
| 27S 15W 36ADD 01 | QU | 2050. | 245 | 75 | 73.7 | 76.1 | 75.0 | 75.7 | 77.1 | 76.3 | 75.7 | 73.6 |
| 28S 11W 12ACC 01 | QU | 1755. | 155 | 36 | 32.1 | 34.3 | 34.9 | 35.8 | 35.2 | 32.4 | 33.6 | 32.4 |
| 28S 11W 2CCAC 01 | | 1840. | 215 | 70 | | 69.3 | 69.9 | 70.3 | 70.4 | 67.7 | 67.7 | 65.9 |
| 28S 12W 21BAD 01 | QU | 1882. | 207 | 83 | 81.8 | | 83.1 | 82.5 | 82.7 | 81.7 | 81.3 | 85.1 |
| 28S 13W 02DDC 01 | QU | 1827. | 179 | 9 | 8.1 | 13.1 | 13.0 | 12.8 | 14.2 | 14.6 | 13.1 | 12.6 |
| 28S 13W 17AAA 01 | QU | 1938. | 189 | 72 | 72.0 | 71.1 | 79.7 | 71.0 | 71.3 | 69.2 | 75.6 | 69.6 |
| 28S 13W 26DCB 01 | QU | 1916. | 191 | 89 | 91.0 | 92.1 | 91.7 | 93.7 | 99.6 | 90.3 | 92.6 | 89.2 |
| 28S 14W 14CCC 01 | QU | 1984. | 194 | 80 | 76.9 | 78.2 | 78.3 | 78.2 | 78.3 | 77.0 | 77.1 | 75.6 |
| 28S 15W 23CCD 01 | QU | 2071. | 271 | 109 | 108.0 | 113.2 | 114.6 | 107.3 | 107.7 | 107.2 | 108.5 | 107.7 |
| 29S 11W 06AAA 01 | | 1828. | 173 | 50 | | | | | 45.6 | 42.2 | 42.2 | 40.3 |
| 29S 11W 09ADD 01 | QU | 1830. | 170 | 55 | 48.9 | 53.7 | 54.6 | 54.4 | 54.1 | 50.7 | 51.5 | 49.7 |
| 29S 11W 29AAD 01 | QU | 1849. | 199 | 63 | 57.4 | 61.8 | 62.3 | 62.0 | 61.7 | 57.9 | 58.7 | 57.6 |
| 29S 12W 2CCCD 01 | QU | 1907. | 232 | 95 | 98.4 | 109.4 | 116.9 | 109.4 | 99.9 | 97.5 | 97.1 | 96.0 |
| 29S 13W 12ABB 01 | | 1906. | 196 | 76 | | | | | 71.1 | 70.4 | 69.9 | 68.9 |
| 29S 13W 31CAA 01 | QU | 1893. | 154 | 31 | 30.6 | 31.9 | 32.0 | 32.0 | 31.9 | 30.8 | 30.2 | 29.5 |
| 29S 14W 12ABB 01 | | 1988. | 233 | 108 | | | | | 100.8 | 99.6 | 99.0 | 98.6 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, PRATT COUNTY -- CONTINUED

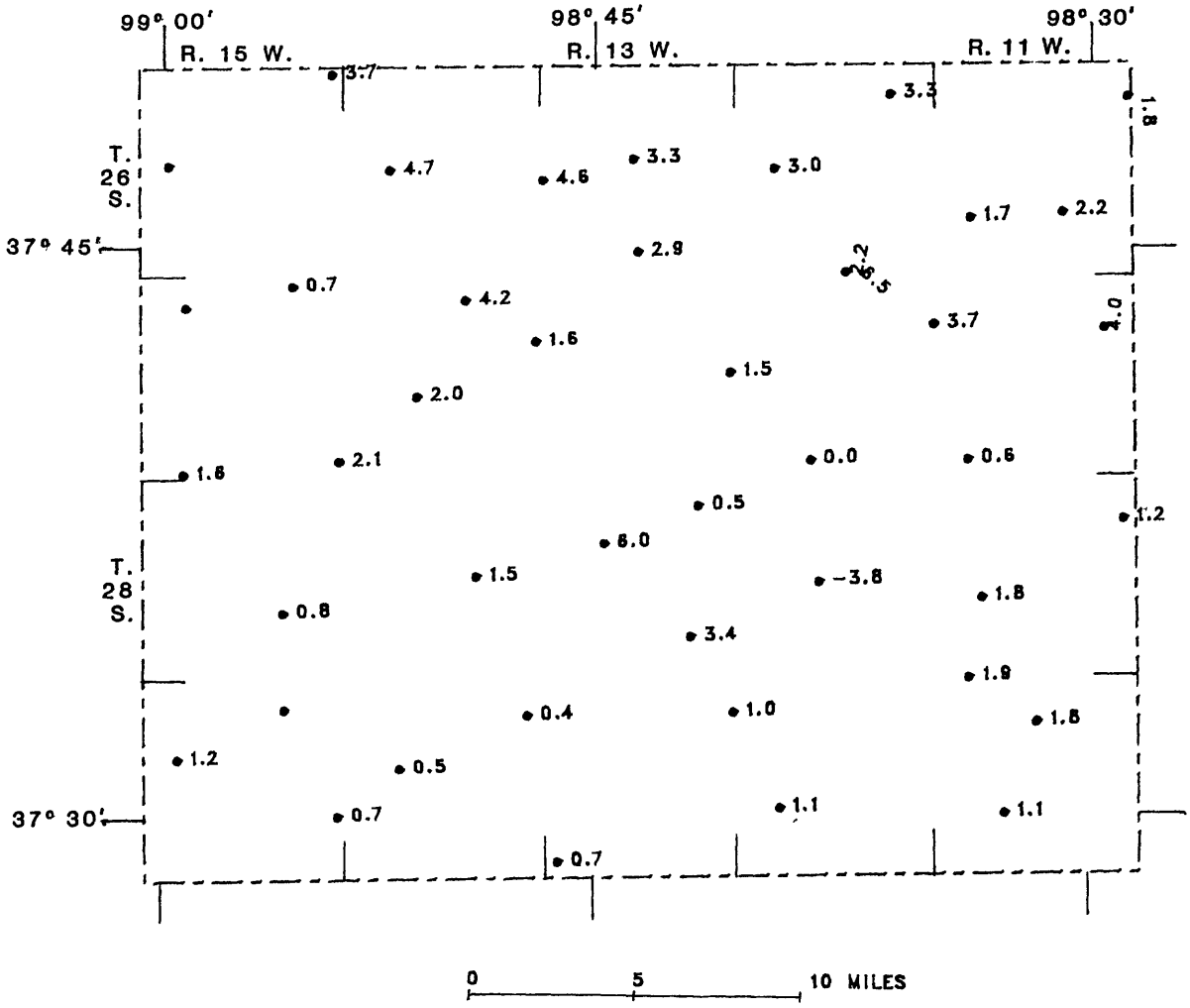
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29S 14W 17DBD 01 | | 2012. | 222 | 102 | | 98.4 | 98.3 | 98.0 | 98.5 | 97.5 | 97.0 | 96.5 |
| 29S 15W 02CCA 01 | QU | 2035. | 215 | 78 | 85.2 | 94.2 | 90.6 | 92.4 | 93.5 | 93.4 | 93.3 | |
| 29S 15W 18ADA 01 | QU | 2050. | 175 | 78 | 86.0 | 94.0 | 94.4 | 91.9 | 98.2 | 91.8 | 90.9 | 89.7 |
| 29S 15W 25AAB 02 | | | 117 | | | | | | | 33.8 | 33.4 | 32.7 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, PRATT COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 26S 11W 01DDB 01 | QU | 21.1 | 2 | 2.4 | 1.8 | | .2 | 148 | 150 | 1 |
| 26S 11W 27AAC 01 | QU | 19.7 | 3 | 3.4 | 2.2 | .1 | .2 | 120 | 123 | 3 |
| 26S 11W 29BCB 01 | QU | 11.5 | 8 | 4.5 | 1.7 | .2 | .3 | 164 | 172 | 5 |
| 26S 12W 02DBD 01 | QU | 21.2 | 6 | 6.2 | 3.3 | .1 | .4 | 165 | 171 | 4 |
| 26S 12W 17CCA 01 | QU | 28.3 | 9 | 5.8 | 3.0 | .2 | .4 | 159 | 168 | 6 |
| 26S 12W 34CDC 01 | QU | 39.5 | 7 | 3.7 | 2.2 | .2 | .3 | 161 | 168 | 4 |
| 26S 12W 34CDC 02 | QU | 34.2 | 12 | 6.9 | 6.5 | .3 | .5 | 161 | 173 | 7 |
| 26S 13W 16DAA 01 | QU | 17.3 | 3 | -1.7 | 3.3 | .1 | -.1 | 154 | 157 | 2 |
| 26S 13W 19BBD 01 | QU | 19.1 | -1 | -4.7 | 4.6 | | -.3 | 175 | 174 | -1 |
| 26S 13W 34BCB 01 | QU | 46.3 | -2 | .4 | 2.9 | | | 186 | 184 | -1 |
| 26S 14W 17DCB 01 | QU | 22.0 | -12 | -5.5 | 4.7 | -.3 | -.4 | 203 | 191 | -6 |
| 26S 15W 01AAB 01 | | 18.8 | | | 3.7 | | | | | |
| 26S 15W 18DAB 01 | QU | | | | | | | | | |
| 27S 11W 12CBC 01 | QU | 41.3 | 10 | 5.0 | 4.0 | .2 | .4 | 48 | 58 | 21 |
| 27S 11W 31DAA 01 | QA | 4.3 | 4 | -1.6 | .6 | .1 | -.1 | 118 | 122 | 3 |
| 27S 12W 12DAA 01 | | 50.5 | | | 3.7 | | | | | |
| 27S 12W 33CBA 01 | QU | 2.4 | 1 | -1.2 | 0.0 | | -.1 | 149 | 150 | 1 |
| 27S 13W 13DDC 01 | QU | 55.4 | 17 | 1.6 | 1.5 | .4 | .1 | 73 | 90 | 23 |
| 27S 14W 03DAC 01 | QU | 39.8 | -5 | | 4.2 | -.1 | | 185 | 180 | -3 |
| 27S 14W 12DDD 01 | QU | 60.0 | -7 | -2.3 | 1.6 | -.2 | -.2 | 199 | 192 | -4 |
| 27S 14W 21CAB 01 | QU | 41.0 | -2 | -6.8 | 2.0 | | -.5 | 164 | 162 | -1 |
| 27S 15W 02ABC 01 | QU | 29.7 | -4 | | .7 | -.1 | | | | |
| 27S 15W 05CDB 01 | | 25.9 | | | | | | | | |
| 27S 15W 32CCA 01 | QU | 51.0 | -3 | -5.1 | 1.6 | -.1 | -.4 | 145 | 142 | -2 |
| 27S 15W 36ADD 01 | QU | 73.6 | 1 | .1 | 2.1 | | | 170 | 171 | 1 |
| 28S 11W 12ACC 01 | QU | 32.4 | 4 | -.3 | 1.2 | .1 | | 119 | 123 | 3 |
| 28S 11W 20CAC 01 | | 65.9 | 4 | | 1.8 | .1 | | 145 | 149 | 3 |
| 28S 12W 21BAD 01 | QU | 85.1 | -2 | -3.3 | -3.8 | | -.2 | 124 | 122 | -2 |
| 28S 13W 02DDC 01 | QU | 12.6 | -4 | -4.5 | .5 | -.1 | -.3 | 170 | 166 | -2 |
| 28S 13W 17AAA 01 | QU | 69.6 | 2 | 2.4 | 6.0 | | .2 | 117 | 119 | 2 |
| 28S 13W 26DCB 01 | QU | 89.2 | | 1.8 | 3.4 | | .1 | 102 | 102 | |
| 28S 14W 14CCC 01 | QU | 75.6 | 4 | 1.3 | 1.5 | .1 | .1 | 114 | 118 | 4 |
| 28S 15W 23CCD 01 | QU | 107.7 | 1 | .3 | .8 | | | 162 | 163 | 1 |
| 29S 11W 06AAA 01 | | 40.3 | 10 | | 1.9 | .2 | | 123 | 133 | 8 |
| 29S 11W 09ADD 01 | QU | 49.7 | 5 | -.8 | 1.8 | .1 | -.1 | 115 | 120 | 4 |
| 29S 11W 29AAD 01 | QU | 57.6 | 5 | -.2 | 1.1 | .1 | | 136 | 141 | 4 |
| 29S 12W 20CCD 01 | QU | 96.0 | -1 | 2.4 | 1.1 | | .2 | 137 | 136 | -1 |
| 29S 13W 12ABB 01 | | 68.9 | 7 | | 1.0 | .2 | | 120 | 127 | 6 |
| 29S 13W 31CAA 01 | QU | 29.5 | 2 | 1.1 | .7 | | .1 | 123 | 125 | 2 |
| 29S 14W 12ABB 01 | | 98.6 | 9 | | .4 | .2 | | 125 | 134 | 7 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, PRATT COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 29S 14W 17DBD 01 | | 96.5 | 6 | | .5 | .1 | | 120 | 126 | 5 |
| 29S 15W 02CCA 01 | QU | | | | | | | | | |
| 29S 15W 18ADA 01 | QU | 89.7 | -12 | -3.7 | 1.2 | -.3 | -.3 | 97 | 85 | -12 |
| 29S 15W 25AAB 02 | | 32.7 | | | .7 | | | | 84 | |



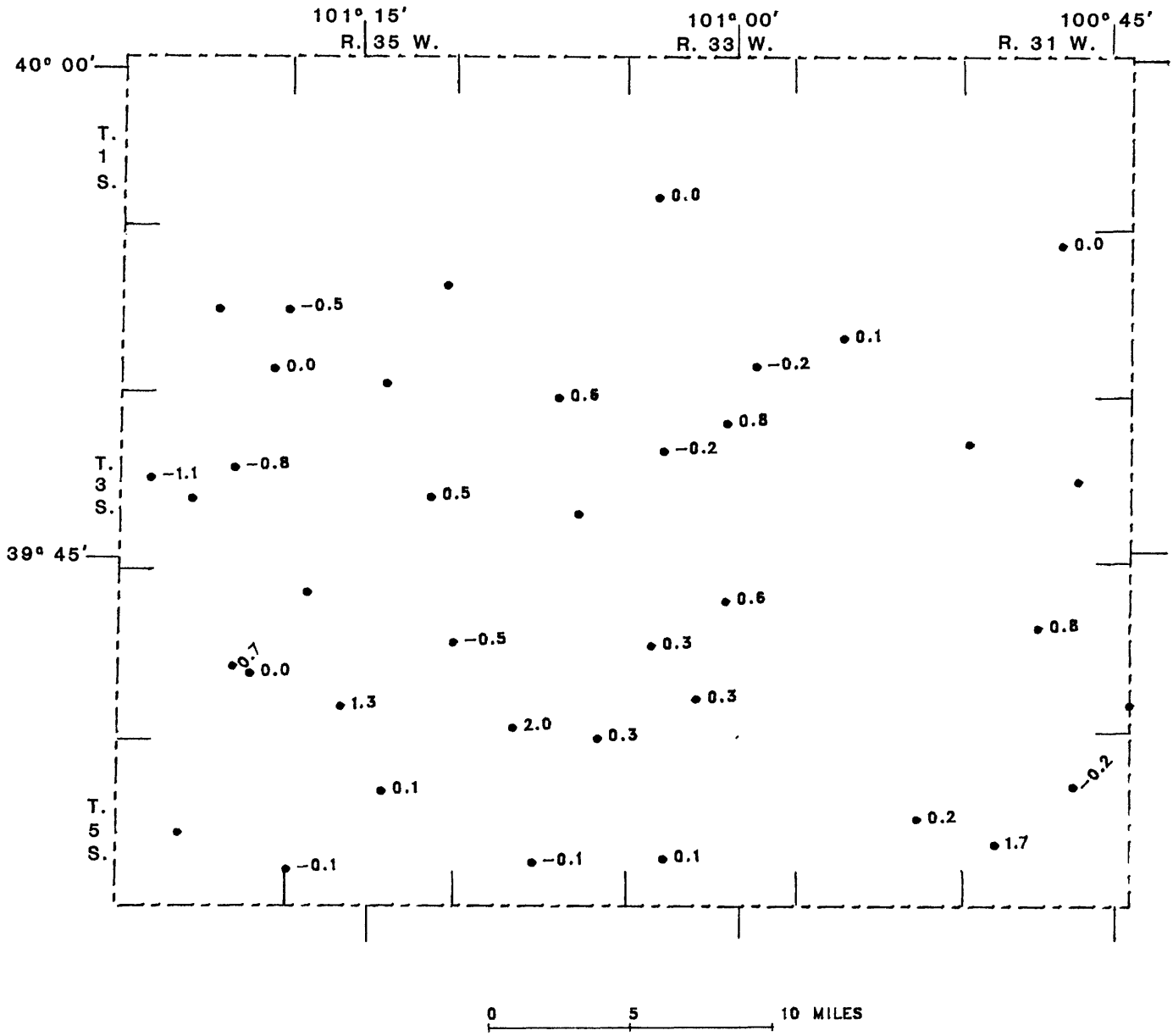

WATER–LEVEL CHANGE IN PRATT COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, RAWLINS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01S 33W 29CCC 01 | TO | 2992. | 144 | 115 | 115.6 | 114.1 | 113.8 | 113.5 | 113.5 | 113.3 | 112.8 | 112.8 |
| 02S 31W 03CAD 01 | QA | 2665. | 42 | 15 | 14.7 | 18.4 | 15.9 | 16.5 | 16.8 | 16.4 | 17.7 | 17.7 |
| 02S 32W 20DCD 01 | QA | 2735. | 32 | 5 | 8.3 | 11.9 | 11.0 | 11.6 | 10.7 | 10.6 | 12.2 | 12.1 |
| 02S 33W 26DCC 01 | QA | 2798. | 46 | 13 | 19.8 | 23.6 | 22.3 | 22.8 | 23.0 | 22.3 | 23.4 | 23.6 |
| 02S 35W 13ABB 01 | TO | 3178. | 208 | 174 | 170.3 | 169.8 | | | 169.4 | 168.9 | 168.6 | |
| 02S 35W 34CAA 01 | QA,TO | 3064. | 112 | 29 | 29.6 | 30.8 | 30.7 | 30.8 | | 30.8 | | 30.1 |
| 02S 36W 13DDD 01 | TO | 3286. | 260 | 186 | 190.1 | 190.0 | 189.1 | 190.3 | 189.4 | 188.9 | 187.8 | 188.3 |
| 02S 36W 15CDD 01 | TO | 3334. | 290 | 204 | 203.8 | 204.4 | 203.0 | 202.6 | 198.6 | 202.3 | | |
| 02S 36W 36BAA 01 | TO | 3263. | 280 | 160 | 169.8 | 175.3 | 174.6 | 174.5 | 174.6 | 174.6 | 174.6 | 174.6 |
| 03S 31W 07CBD 01 | TO | 2960. | 200 | 142 | 146.3 | 146.2 | 146.1 | 146.6 | 145.8 | 145.1 | | 144.5 |
| 03S 31W 23BBB 01 | TO | 2849. | 119 | 73 | 73.1 | 74.2 | 73.7 | 73.2 | 73.3 | 73.4 | | |
| 03S 33W 03DCC 01 | QA | 2823. | 62 | 22 | 20.6 | 27.5 | 25.0 | 26.1 | 25.7 | 25.0 | 26.6 | 25.8 |
| 03S 33W 08CDC 01 | QA | 2855. | 52 | 20 | 16.1 | 23.5 | 19.1 | 20.9 | 20.2 | 19.1 | 21.5 | 21.7 |
| 03S 34W 03ABB 01 | QA | 2882. | 40 | 12 | 13.8 | 13.2 | 12.2 | 13.8 | 14.4 | 13.8 | 14.8 | 14.2 |
| 03S 34W 26BAC 01 | QA | 2900. | 40 | 7 | 8.4 | 10.3 | 8.9 | 11.1 | 10.2 | 15.0 | | 10.6 |
| 03S 35W 24CBB 01 | QA | 3001. | 50 | 21 | 24.7 | 26.1 | 25.5 | 26.5 | 26.8 | 27.1 | 27.4 | 26.9 |
| 03S 36W 14CBB 01 | TO | 3332. | 309 | 188 | 191.2 | 201.4 | 200.8 | 200.2 | 200.8 | 200.3 | 201.1 | 201.9 |
| 03S 36W 17CCC 01 | TO | 3375. | 300 | 196 | 195.3 | 209.5 | 208.0 | 207.1 | 206.8 | 209.2 | 210.2 | 211.3 |
| 03S 36W 21DBC 01 | TO | 3345. | | | | | | | | | | 199.3 |
| 04S 31W 16ABD 01 | QA | 2761. | 50 | 7 | 7.9 | 12.6 | 9.5 | 10.9 | 7.1 | 10.7 | 11.5 | 10.7 |
| 04S 31W 25DDD 01 | QA | 2755. | 32 | 15 | 14.6 | 17.7 | | 17.6 | 16.3 | 16.6 | 16.1 | |
| 04S 33W 10ABC 01 | | 3086. | | | | | | | 146.7 | 143.5 | 143.9 | 143.3 |
| 04S 33W 18DDA 01 | TO | 3068. | 153 | 88 | 87.6 | 87.5 | 87.0 | 86.5 | 86.2 | 86.5 | 85.8 | 85.5 |
| 04S 33W 28DCA 01 | TO | 3125. | 237 | 152 | 151.2 | 151.7 | 151.0 | 150.6 | 150.2 | 151.3 | 149.3 | 149.0 |
| 04S 34W 33CBC 01 | TO | 3160. | 210 | 115 | 117.2 | 119.1 | 118.8 | 116.7 | 118.9 | 118.4 | 120.8 | 118.8 |
| 04S 35W 06DCD 01 | TO | 3252. | 260 | 157 | 157.8 | 151.5 | | | 163.3 | 161.9 | | |
| 04S 35W 13DAD 01 | QA | 3002. | 51 | 13 | 15.0 | 16.1 | 15.8 | 15.8 | 16.1 | 16.1 | 15.2 | 15.7 |
| 04S 35W 29DDD 01 | TO | 3219. | 224 | 150 | 150.1 | 150.6 | 150.6 | 150.9 | 150.6 | 149.8 | 149.7 | 148.4 |
| 04S 36W 23CBB 01 | TO | 3351. | | | | | | | 216.1 | 215.2 | 215.9 | 215.2 |
| 04S 36W 23DCA 01 | | 3339. | | | | | | | 212.7 | 211.9 | 212.6 | 212.6 |
| 05S 31W 10DDA 01 | TO | 2820. | 70 | 30 | 40.1 | 43.7 | 42.1 | 42.7 | 42.9 | 42.6 | 41.5 | 41.7 |
| 05S 31W 20CCA 01 | TO | 2865. | 68 | 22 | 29.7 | 35.9 | 35.5 | 35.6 | 36.2 | 33.0 | 33.2 | 31.5 |
| 05S 32W 14CDD 01 | TO | 3020. | 180 | 130 | 130.8 | 130.4 | 131.4 | 130.3 | 131.2 | 133.6 | 130.2 | 130.0 |
| 05S 33W 29BDA 01 | TO | 3042. | 115 | 12 | 17.0 | 19.2 | 17.1 | 17.5 | 17.2 | 17.9 | 19.0 | 18.9 |
| 05S 34W 01BBB 01 | TO | 3137. | 237 | 116 | 114.3 | 116.1 | 115.8 | 113.5 | 115.5 | 114.6 | 114.1 | 113.8 |
| 05S 34W 28ADC 01 | TO | 3207. | 247 | 127 | 134.1 | 135.0 | 134.6 | 134.9 | 133.8 | 133.5 | 132.8 | 132.9 |
| 05S 35W 10CDD 01 | TO | 3267. | 277 | 167 | 165.8 | 167.7 | 167.0 | 167.5 | 167.3 | 166.9 | 167.1 | 167.0 |
| 05S 35W 30CBC 01 | | 3336. | | | | | | | 170.5 | 171.2 | 170.2 | 170.3 |
| 05S 36W 21BCD 01 | QA,TO | 3220. | 155 | 17 | 15.5 | 18.7 | | 13.7 | | 18.0 | 19.0 | |

TABLE 1.-- SELECTED HYDROLOGIC DATA, RAWLINS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 01S 33W 29CCC 01 | TO | 112.8 | 2 | 2.8 | 0.0 | .1 | .1 | 29 | 31 | 7 |
| 02S 31W 03CAD 01 | QA | 17.7 | -3 | -3.0 | 0.0 | -.1 | -.1 | 27 | 24 | -11 |
| 02S 32W 20DCD 01 | QA | 12.1 | -7 | -3.8 | .1 | -.2 | -.2 | 27 | 20 | -26 |
| 02S 33W 26DCC 01 | QA | 23.6 | -11 | -3.8 | -.2 | -.3 | -.2 | 33 | 22 | -33 |
| 02S 35W 13ABB 01 | TO | | | | | | | | | |
| 02S 35W 34CAA 01 | QA,TO | 30.1 | -1 | -.5 | | | | 83 | 82 | -1 |
| 02S 36W 13DDD 01 | TO | 188.3 | -2 | 1.8 | -.5 | -.1 | .1 | 74 | 72 | -3 |
| 02S 36W 15CDD 01 | TO | | | | | | | | | |
| 02S 36W 36BAA 01 | TO | 174.6 | -15 | -4.8 | 0.0 | -.4 | -.2 | 120 | 105 | -13 |
| 03S 31W 07C3D 01 | TO | 144.5 | -3 | 1.8 | | -.1 | .1 | 58 | 56 | -3 |
| 03S 31W 23BBB 01 | TO | | | | | | | | | |
| 03S 33W 03DCC 01 | QA | 25.8 | -4 | -5.2 | .8 | -.1 | -.2 | 40 | 36 | -10 |
| 03S 33W 08CDC 01 | QA | 21.7 | -2 | -5.6 | -.2 | -.1 | -.3 | 32 | 30 | -6 |
| 03S 34W 03ABB 01 | QA | 14.2 | -2 | -.4 | .6 | -.1 | | 28 | 26 | -7 |
| 03S 34W 26BAC 01 | QA | 10.6 | -4 | -2.1 | | -.1 | -.1 | 33 | 29 | -12 |
| 03S 35W 24CBB 01 | QA | 26.9 | -6 | -2.2 | .5 | -.2 | -.1 | 29 | 23 | -21 |
| 03S 36W 14CBB 01 | TO | 201.9 | -14 | -10.6 | -.8 | -.4 | -.5 | 121 | 107 | -12 |
| 03S 36W 17CCC 01 | TO | 211.3 | -15 | -15.9 | -1.1 | -.4 | -.7 | 104 | 89 | -14 |
| 03S 36W 21DBC 01 | TO | 199.3 | | | | | | | | |
| 04S 31W 16ABD 01 | QA | 10.7 | -4 | -2.8 | .8 | -.1 | -.1 | 43 | 39 | -9 |
| 04S 31W 25DDD 01 | QA | | | | | | | | | |
| 04S 33W 10ABC 01 | | 143.3 | | | .6 | | | | | |
| 04S 33W 18DDA 01 | TO | 85.5 | 3 | 2.2 | .3 | .1 | .1 | 65 | 68 | 5 |
| 04S 33W 28DCA 01 | TO | 149.0 | 3 | 2.3 | .3 | .1 | .1 | 85 | 88 | 4 |
| 04S 34W 33C3C 01 | TO | 118.8 | -4 | -1.6 | 2.0 | -.1 | -.1 | 95 | 91 | -4 |
| 04S 35W 06DCD 01 | TO | | | | | | | | | |
| 04S 35W 13DAD 01 | QA | 15.7 | -3 | -.6 | -.5 | -.1 | | 38 | 35 | -8 |
| 04S 35W 29DDD 01 | TO | 148.4 | 2 | 1.8 | 1.3 | .1 | .1 | 74 | 76 | 3 |
| 04S 36W 23CBB 01 | TO | 215.2 | | | .7 | | | | | |
| 04S 36W 23DCA 01 | | 212.6 | | | 0.0 | | | | | |
| 05S 31W 10DDA 01 | TO | 41.7 | -12 | -1.5 | -.2 | -.3 | -.1 | 40 | 28 | -30 |
| 05S 31W 20CCA 01 | TO | 31.5 | -10 | -1.8 | 1.7 | -.3 | -.1 | 46 | 37 | -20 |
| 05S 32W 14CDD 01 | TO | 130.0 | | .9 | .2 | | | 50 | 50 | |
| 05S 33W 29BDA 01 | TO | 18.9 | -7 | -1.9 | .1 | -.2 | -.1 | 103 | 96 | -7 |
| 05S 34W 01BBB 01 | TO | 113.8 | 2 | .6 | .3 | .1 | | 121 | 123 | 2 |
| 05S 34W 28ADC 01 | TO | 132.9 | -6 | 1.2 | -.1 | -.2 | .1 | 120 | 114 | -5 |
| 05S 35W 10CDD 01 | TO | 167.0 | | -1.2 | .1 | | -.1 | 110 | 110 | |
| 05S 35W 30C3C 01 | | 170.3 | | | -.1 | | | | | |
| 05S 36W 21BCD 01 | QA,TO | | | | | | | | | |




WATER–LEVEL CHANGE IN RAWLINS COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, RENO COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22S 04W 12CDA 01 | QU | 1449. | | | | | | | 40.2 | 32.8 | 32.7 | 31.3 |
| 22S 04W 32BBC 01 | QU | 1510. | | | | | | 11.1 | | 12.7 | 14.0 | 15.3 |
| 22S 05W 17BCC 01 | | | | | | | | | 9.8 | 6.7 | 6.7 | 7.3 |
| 22S 05W 33DBD 01 | | 1598. | | | | | | | 18.9 | 18.0 | 18.4 | |
| 22S 06W 18BCB 01 | | | | | | | | | 9.6 | 7.6 | 9.1 | 8.7 |
| 22S 06W 28CCB 01 | | | | | | | 9.1 | 9.1 | 9.1 | 8.3 | 8.8 | 8.8 |
| 22S 07W 17DCB 01 | QU | 1596. | | | 2.0 | 7.8 | 7.0 | | 4.6 | 4.8 | 4.6 | 3.5 |
| 22S 08W 09DBB 01 | QU | 1670. | | 35 | | 32.7 | 32.0 | 32.0 | 32.4 | 31.3 | 32.9 | 31.5 |
| 22S 08W 23DAD 01 | QU | 1651. | | | 29.3 | 30.2 | 29.9 | 29.5 | 28.5 | 28.2 | 29.4 | 27.0 |
| 22S 08W 33CCD 01 | QU | 1658. | | | 4.2 | 9.4 | | 7.5 | 6.9 | 5.4 | | |
| 22S 09W 03BBD 01 | QU | 1712. | | 20 | 29.1 | 34.6 | 33.5 | 34.0 | 35.5 | 33.4 | 34.4 | 31.5 |
| 22S 09W 17BAB 01 | QU | 1732. | | 10 | 9.8 | 19.6 | 19.2 | 19.0 | 20.8 | 17.1 | 19.8 | 16.5 |
| 22S 09W 25BBA 01 | QU | 1705. | | | 18.9 | | | | 22.1 | 21.8 | 22.8 | 20.9 |
| 22S 10W 02DCC 01 | QU | 1736. | | 12 | 1.6 | 9.1 | 9.4 | 9.9 | 10.5 | 7.4 | 9.9 | 7.9 |
| 22S 10W 08BBB 01 | QU | 1764. | | 6 | 5.9 | 12.8 | 13.6 | 14.1 | 14.9 | 12.8 | 14.2 | 13.6 |
| 22S 10W 30DAA 01 | QU | 1775. | | 10 | 3.9 | 6.5 | 9.2 | 11.8 | 13.0 | 9.2 | 9.5 | 7.6 |
| 23S 04W 03BAB 02 | | | | | | | | | | | 2.5 | 4.4 |
| 23S 04W 16BBB 01 | QU | 1570. | | | | | | | 22.2 | 18.9 | 19.1 | 20.7 |
| 23S 04W 30BAA 01 | QU | 1491. | | | | | | | 8.6 | 7.2 | 6.7 | 7.4 |
| 23S 06W 15BAC 01 | | | | | | | | | 9.6 | 9.2 | 9.7 | 9.4 |
| 23S 06W 31DCB 01 | QU | 1577. | | 27 | 32.4 | 32.1 | 31.1 | 31.0 | 31.1 | 30.7 | 30.1 | 29.0 |
| 23S 07W 01ABA 01 | QU | 1567. | | 7 | 5.3 | 7.6 | 8.3 | 8.1 | 8.1 | 7.7 | 8.1 | 8.0 |
| 23S 07W 05ABA 01 | QU | 1623. | | 20 | 22.5 | 28.0 | 26.5 | 27.0 | 26.6 | 23.9 | 25.4 | 23.7 |
| 23S 07W 13DDD 01 | QU | 1604. | | 49 | 52.8 | 52.7 | 52.5 | 52.6 | 52.4 | 52.2 | 51.9 | 51.3 |
| 23S 08W 18AAD 01 | QU | 1675. | | 15 | 10.5 | 15.7 | 14.5 | 14.5 | 14.2 | 12.0 | 13.2 | 11.2 |
| 23S 09W 05CBD 01 | QU | 1740. | | 9 | 12.0 | 18.6 | 18.9 | 19.2 | 20.2 | 18.5 | 19.6 | 17.1 |
| 23S 09W 21DDB 01 | QU | 1732. | | 7 | 3.2 | 11.8 | 12.1 | 11.9 | 13.2 | 10.5 | 10.1 | 9.0 |
| 23S 09W 35CCC 01 | QU | 1718. | 110 | 10 | 13.6 | 20.4 | 20.7 | 20.8 | 22.1 | 18.6 | 16.9 | 14.8 |
| 23S 10W 02BAB 01 | QU | 1751. | | 7 | 3.0 | 7.1 | 7.3 | 8.0 | 8.1 | 6.9 | 7.1 | 6.5 |
| 23S 10W 25CAC 01 | QU | 1752. | | 18 | 4.5 | 11.8 | 12.9 | 13.5 | 14.7 | 14.3 | 14.0 | 10.6 |
| 24S 04W 05CDB 01 | QU | 1480. | | | | | | 7.5 | 7.4 | 7.3 | 7.0 | 7.9 |
| 24S 04W 14DAC 01 | QU | 1455. | | | | | | 9.5 | 9.2 | 7.4 | 7.2 | 7.9 |
| 24S 04W 25BBD 01 | QU | 1448. | | | | | | | 5.7 | 4.2 | 4.4 | 4.5 |
| 24S 04W 31DAB 01 | | 1485. | | | | | | 29.8 | 29.1 | 26.1 | 25.6 | 25.7 |
| 24S 05W 10CCA 01 | QU | 1509. | | | | | | 25.6 | | 20.3 | 20.3 | 19.9 |
| 24S 06W 03AAB 01 | | 1554. | | | | | | | | | 27.2 | 26.5 |
| 24S 06W 23CBA 01 | | | | | | | | | 11.8 | 9.2 | 6.9 | 7.6 |
| 24S 07W 08ADA 02 | | 1633. | | | | | | | 44.4 | 43.3 | 42.2 | 41.0 |
| 24S 07W 28AAA 01 | QU | 1588. | | 13 | 14.1 | 12.1 | 12.3 | 11.9 | 11.9 | 10.4 | 9.0 | 9.2 |
| 24S 08W 04AB 01 | | 1660. | | 13 | | 17.5 | 17.7 | 16.9 | 15.2 | 12.7 | 10.0 | 9.0 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, RENO COUNTY -- CONTINUED

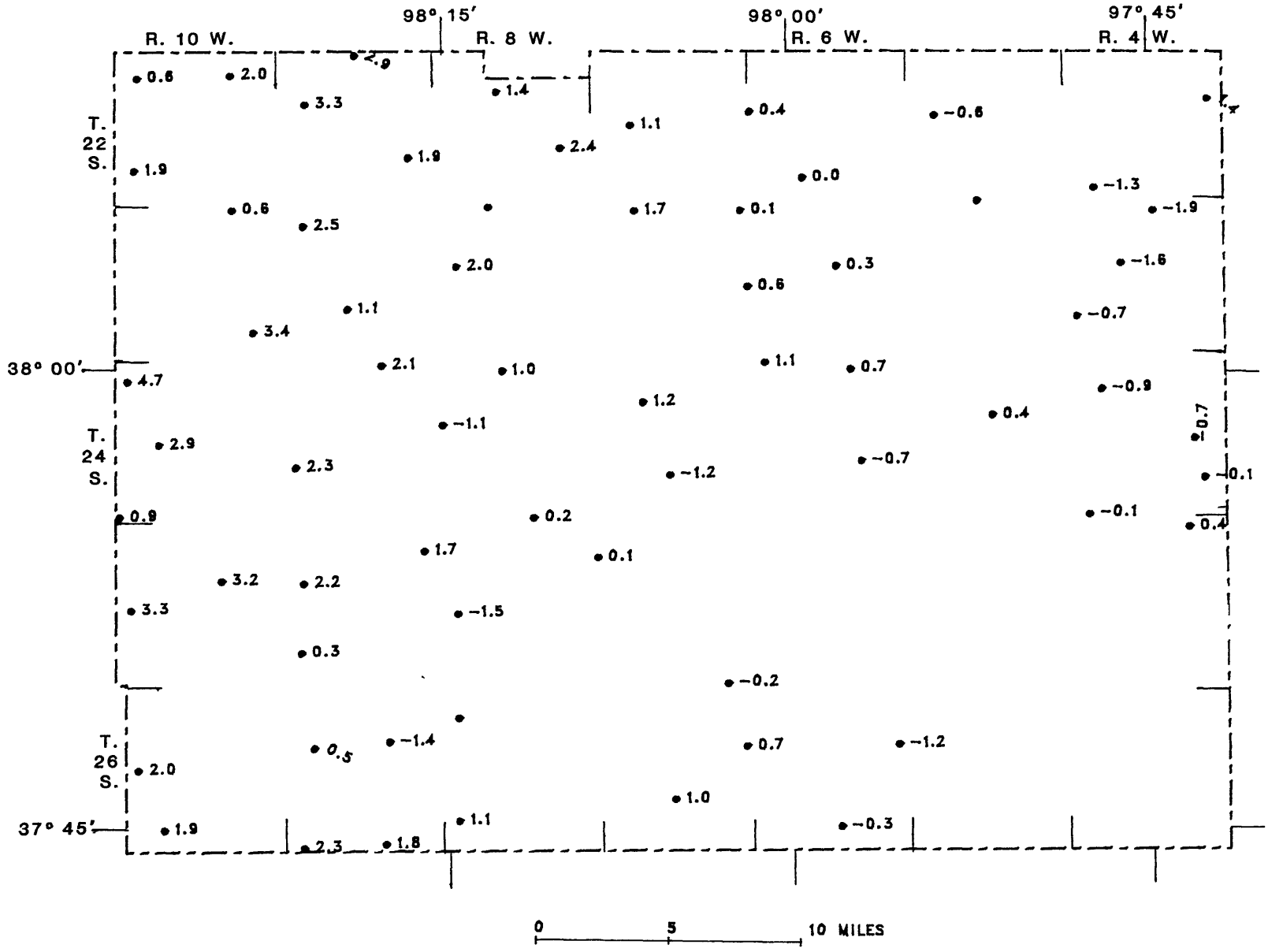
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24S 08W 18BAC 01 | QU | 1649. | | | 2.5 | 5.0 | 6.1 | 6.1 | 5.9 | 4.9 | 2.6 | 3.7 |
| 24S 08W 34DAC 01 | QU | 1590. | | | 6.4 | 6.2 | 6.3 | 6.2 | 6.3 | 5.9 | 5.1 | 4.9 |
| 24S 09W 19DDB 01 | QU | 1704. | | 17 | 21.9 | 22.9 | 23.3 | 23.8 | 24.0 | 23.3 | 22.6 | 20.3 |
| 24S 10W 06DBB 01 | QU | 1797. | | 17 | 17.9 | 22.1 | 22.7 | 23.5 | 24.5 | 24.4 | 24.6 | 19.9 |
| 24S 10W 17DDC 01 | QU | 1755. | | 9 | 11.8 | 15.0 | 16.9 | 17.4 | 17.6 | 17.6 | 17.2 | 14.3 |
| 24S 10W 31CBC 01 | | 1750. | | | | | | | 10.5 | 10.0 | 9.9 | 9.0 |
| 25S 04W 02ABB 01 | QU | 1449. | | | | | | | 8.7 | 8.3 | 8.4 | 8.0 |
| 25S 07W 07BBD 01 | QU | 1602. | | | 24.3 | 23.2 | 23.7 | 23.5 | 23.3 | 22.4 | 22.7 | 22.6 |
| 25S 07W 36CCC 01 | QU | 1570. | | | 24.5 | 26.8 | 27.3 | 26.2 | 26.0 | 24.0 | 23.9 | 24.1 |
| 25S 08W 19ADB 01 | QU | 1607. | | | 7.3 | 9.4 | 9.6 | 9.0 | 8.4 | 7.3 | 7.1 | 8.6 |
| 25S 09W 01DCD 01 | QU | 1658. | | 10 | 12.8 | 14.6 | 14.8 | 14.8 | 15.1 | 14.3 | 13.1 | 11.4 |
| 25S 09W 17BBC 01 | QU | 1710. | | 7 | 12.6 | 14.9 | 15.2 | 15.2 | 15.8 | 15.0 | 12.3 | 10.1 |
| 25S 09W 30DDA C1 | QU | 1693. | | 15 | 16.0 | 17.3 | 17.9 | 18.2 | 17.8 | 17.1 | 16.6 | 16.3 |
| 25S 10W 14BBB 01 | QU | 1748. | 115 | 25 | 24.9 | 24.6 | 25.9 | 26.2 | 26.5 | 26.3 | 25.5 | 22.3 |
| 25S 10W 19ABD 01 | QU | 1790. | | 33 | 27.9 | 28.4 | 29.7 | 30.0 | 29.9 | 31.5 | 28.0 | 24.7 |
| 26S 06W 13BAB 01 | QU | 1475. | | | 7.2 | 7.8 | 9.8 | 8.8 | 8.1 | 6.8 | 7.4 | 8.6 |
| 26S 06W 34BBC 01 | QU | 1545. | | | 17.6 | 19.5 | 20.0 | 17.7 | 17.5 | 15.6 | 15.2 | 15.5 |
| 26S 07W 12DCC 01 | QU | 1582. | | | 30.6 | 31.6 | 31.3 | 31.1 | 31.1 | 28.8 | 27.7 | 27.0 |
| 26S 07W 21DDC 01 | QU | 1620. | | | 21.5 | 20.9 | 20.8 | 20.3 | 18.9 | 17.5 | 18.3 | 17.3 |
| 26S 08W 06DCC 01 | | 1670. | | | | | | | | | | 6.5 |
| 26S 08W 30DCB 01 | QU | 1680. | | | 32.5 | 33.0 | 34.0 | 31.7 | 30.9 | 29.9 | 31.0 | 29.9 |
| 26S 09W 10DDB 01 | QU | 1686. | | 26 | 19.8 | 21.8 | 19.9 | 22.1 | 19.9 | 19.7 | 20.0 | 21.4 |
| 26S 09W 18AAA 01 | QU | 1668. | | 17 | 8.3 | 8.5 | 7.5 | 7.6 | 6.7 | 6.5 | 7.1 | 6.6 |
| 26S 09W 31DCC 01 | | 1735. | | | | | | | 53.0 | 52.0 | 52.9 | 50.6 |
| 26S 09W 34DBD 01 | QU | 1685. | | 25 | 25.3 | 25.5 | 25.5 | 26.6 | 24.1 | 23.0 | 24.0 | 22.2 |
| 26S 10W 18CDC 01 | QU | 1797. | | 13 | 24.6 | 24.3 | 24.7 | 25.3 | 24.6 | 23.6 | 23.8 | 21.8 |
| 26S 10W 32BBD 01 | QU | 1760. | | 5 | 24.5 | 25.5 | 26.1 | 26.2 | 25.1 | 25.0 | 25.3 | 23.4 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, RENO COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 22S 04W 12CDA 01 | QU | 31.3 | | | 1.4 | | | | | |
| 22S 04W 32BBC 01 | QU | 15.3 | | | -1.3 | | | | | |
| 22S 05W 17BCC 01 | | 7.3 | | | -.6 | | | | | |
| 22S 05W 33DBD 01 | | | | | | | | | | |
| 22S 06W 18BCB 01 | | 8.7 | | | .4 | | | | | |
| 22S 06W 28CCB 01 | | 8.8 | | | 0.0 | | | | | |
| 22S 07W 17DCB 01 | QU | 3.5 | | -1.4 | 1.1 | | -.1 | | | |
| 22S 08W 09DBB 01 | QU | 31.5 | 4 | | 1.4 | .1 | | | | |
| 22S 08W 23DAD 01 | QU | 27.0 | | 2.3 | 2.4 | | .2 | | | |
| 22S 08W 33CCD 01 | QU | | | | | | | | | |
| 22S 09W 03BBD 01 | QU | 31.5 | -12 | -2.4 | 2.9 | -.3 | -.2 | | | |
| 22S 09W 17BAB 01 | QU | 16.5 | -7 | -6.7 | 3.3 | -.2 | -.5 | | | |
| 22S 09W 25BBA 01 | QU | 20.9 | | -2.0 | 1.9 | | -.1 | | | |
| 22S 10W 02DCC 01 | QU | 7.9 | 4 | -6.3 | 2.0 | .1 | -.5 | | | |
| 22S 10W 08BBB 01 | QU | 13.6 | -8 | -7.7 | .6 | -.2 | -.6 | | | |
| 22S 10W 30DAA 01 | QU | 7.6 | 2 | -3.7 | 1.9 | | -.3 | | | |
| 23S 04W 03BAB 02 | | 4.4 | | | -1.9 | | | | | |
| 23S 04W 16BBB 01 | QU | 20.7 | | | -1.6 | | | | | |
| 23S 04W 30BAA 01 | QU | 7.4 | | | -.7 | | | | | |
| 23S 06W 15BAC 01 | | 9.4 | | | .3 | | | | | |
| 23S 06W 31DCB 01 | QU | 29.0 | -2 | 3.4 | 1.1 | | .2 | | | |
| 23S 07W 01ABA 01 | QU | 8.0 | -1 | -2.7 | .1 | | -.2 | | | |
| 23S 07W 05ABA 01 | QU | 23.7 | -4 | -1.2 | 1.7 | -.1 | -.1 | | | |
| 23S 07W 13DDD 01 | QU | 51.3 | -2 | 1.5 | .6 | | .1 | | | |
| 23S 08W 18AAD 01 | QU | 11.2 | 4 | -.7 | 2.0 | .1 | -.1 | | | |
| 23S 09W 05CBD 01 | QU | 17.1 | -8 | -5.1 | 2.5 | -.2 | -.4 | | | |
| 23S 09W 21DDB 01 | QU | 9.0 | -2 | -5.8 | 1.1 | | -.4 | | | |
| 23S 09W 35CCC 01 | QU | 14.8 | -5 | -1.2 | 2.1 | -.1 | -.1 | 100 | 95 | -5 |
| 23S 10W 02BAB 01 | QU | 6.5 | 1 | -3.5 | .6 | | -.3 | | | |
| 23S 10W 25CAC 01 | QU | 10.6 | 7 | -6.1 | 3.4 | .2 | -.4 | | | |
| 24S 04W 05CDB 01 | QU | 7.9 | | | -.9 | | | | | |
| 24S 04W 14DAC 01 | QU | 7.9 | | | -.7 | | | | | |
| 24S 04W 25BBD 01 | QU | 4.5 | | | -.1 | | | | | |
| 24S 04W 31DAB 01 | | 25.7 | | | -.1 | | | | | |
| 24S 05W 10CCA 01 | QU | 19.9 | | | .4 | | | | | |
| 24S 06W 03AAB 01 | | 26.5 | | | .7 | | | | | |
| 24S 06W 23CBA 01 | | 7.6 | | | -.7 | | | | | |
| 24S 07W 08ADA 02 | | 41.0 | | | 1.2 | | | | | |
| 24S 07W 28AAA 01 | QU | 9.2 | 4 | 4.9 | -1.2 | .1 | .4 | | | |
| 24S 08W 04AB 01 | | 9.0 | 4 | | 1.0 | .1 | | | | |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, RENO COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 24S 08W 18BAC 01 | QU | 3.7 | | -1.2 | -1.1 | | -.1 | | | |
| 24S 08W 34DAC 01 | QU | 4.9 | | 1.5 | .2 | | .1 | | | |
| 24S 09W 19DDB 01 | QU | 20.3 | -3 | 1.6 | 2.3 | -.1 | .1 | | | |
| 24S 10W 06DBB 01 | QU | 19.9 | -3 | -2.0 | 4.7 | -.1 | -.1 | | | |
| 24S 10W 17DDC 01 | QU | 14.3 | -5 | -2.5 | 2.9 | -.1 | -.2 | | | |
| 24S 10W 31CBC 01 | | 9.0 | | | .9 | | | | | |
| 25S 04W 02ABB 01 | QU | 8.0 | | | .4 | | | | | |
| 25S 07W 07BBD 01 | QU | 22.6 | | 1.7 | .1 | | .1 | | | |
| 25S 07W 36CCC 01 | QU | 24.1 | | .4 | -.2 | | | | | |
| 25S 08W 19ADB 01 | QU | 8.6 | | -1.3 | -1.5 | | -.1 | | | |
| 25S 09W 01DCD 01 | QU | 11.4 | -1 | 1.4 | 1.7 | | .1 | | | |
| 25S 09W 17BBC 01 | QU | 10.1 | -3 | 2.5 | 2.2 | -.1 | .2 | | | |
| 25S 09W 30DDA 01 | QU | 16.3 | -1 | -.3 | .3 | | | | | |
| 25S 10W 14BBB 01 | QU | 22.3 | 3 | 2.6 | 3.2 | .1 | .2 | 90 | 93 | 3 |
| 25S 10W 19ABD 01 | QU | 24.7 | 8 | 3.2 | 3.3 | .2 | .2 | | | |
| 26S 06W 13BAB 01 | QU | 8.6 | | -1.4 | -1.2 | | -.1 | | | |
| 26S 06W 34BBC 01 | QU | 15.5 | | 2.1 | -.3 | | .2 | | | |
| 26S 07W 12DCC 01 | QU | 27.0 | | 3.6 | .7 | | .3 | | | |
| 26S 07W 21DDC 01 | QU | 17.3 | | 4.2 | 1.0 | | .3 | | | |
| 26S 08W 06DCC 01 | | 6.5 | | | | | | | | |
| 26S 08W 30DCB 01 | QU | 29.9 | | 2.6 | 1.1 | | .2 | | | |
| 26S 09W 10DDB 01 | QU | 21.4 | 5 | -1.6 | -1.4 | .1 | -.1 | | | |
| 26S 09W 18AAA 01 | QU | 6.6 | 10 | 1.7 | .5 | .2 | .1 | | | |
| 26S 09W 31DCC 01 | | 50.6 | | | 2.3 | | | | | |
| 26S 09W 34DBD 01 | QU | 22.2 | 3 | 3.1 | 1.8 | .1 | .2 | | | |
| 26S 10W 18CDC 01 | QU | 21.8 | -9 | 2.8 | 2.0 | -.2 | .2 | | | |
| 26S 10W 32BBD 01 | QU | 23.4 | -18 | 1.1 | 1.9 | -.4 | .1 | | | |



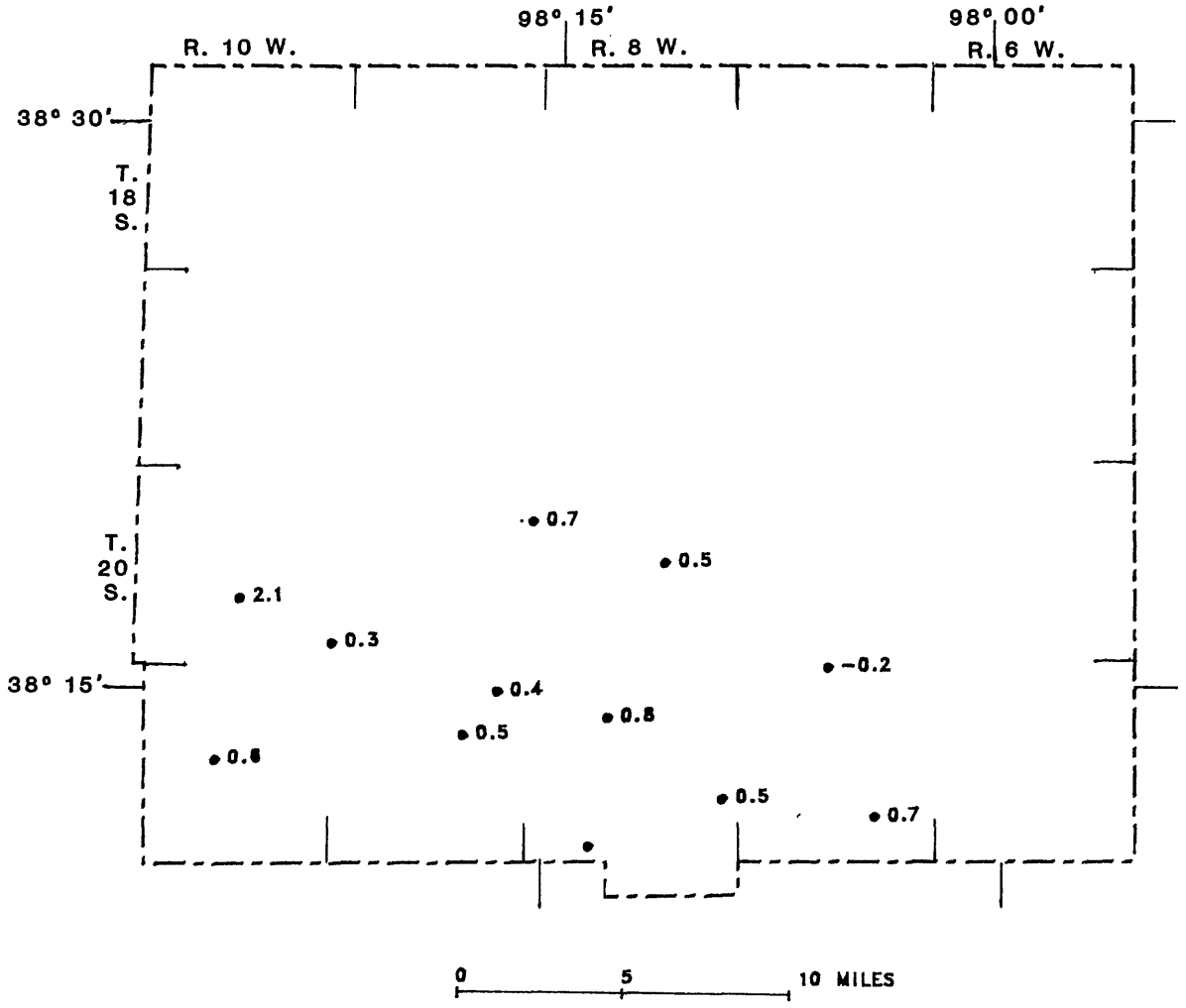

WATER–LEVEL CHANGE IN RENO COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, RICE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20S 08W 22AAA 01 | | 1644. | | 14 | | 13.8 | 14.1 | 15.1 | 15.4 | 13.7 | 14.5 | 14.0 |
| 20S 09W 12DDA 01 | QA | 1664. | | 11 | 8.3 | 12.5 | 12.9 | 13.6 | 14.1 | 12.8 | 12.8 | 12.1 |
| 20S 10W 27BBB 01 | | 1786. | | 46 | | | | | 34.3 | 33.3 | 35.5 | 33.4 |
| 20S 10W 36ACD 01 | | 1715. | | 10 | | 13.1 | 13.0 | 13.8 | 14.2 | 13.0 | 14.2 | 13.9 |
| 21S 07W 04AAC 01 | | 1615. | | 14 | | 13.2 | 13.8 | 14.2 | 14.0 | 12.7 | 13.7 | 13.9 |
| 21S 07W 26CBD 01 | | 1595. | | 10 | | 10.2 | 9.7 | | | 11.0 | 13.0 | 12.3 |
| 21S 08W 09CBD 01 | | 1647. | | 9 | | 11.2 | 10.7 | 11.7 | 12.6 | 11.2 | 12.2 | 11.4 |
| 21S 08W 25ABB 01 | | 1620. | | 7 | | 5.0 | 4.7 | 5.8 | 5.9 | 4.3 | 5.6 | 5.1 |
| 21S 08W 32DBB 01 | | 1641. | | 3 | | | | | 7.1 | 6.7 | 7.3 | |
| 21S 09W 02DDA 01 | | 1670. | | 9 | | 12.8 | 12.4 | 13.2 | 14.3 | 12.7 | 13.3 | 12.9 |
| 21S 09W 15AAC 02 | | 1669. | | | | | | | | 6.0 | 6.8 | 6.3 |
| 21S 10W 16CDC 01 | | 1720. | | | | | | | | | 6.7 | 6.1 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, RICE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 20S 08W 22AAA 01 | | 14.0 | | | .5 | | | | | |
| 20S 09W 12DDA 01 | QA | 12.1 | -1 | -3.8 | .7 | | -.2 | | | |
| 20S 10W 27BBB 01 | | 33.4 | 13 | | 2.1 | .3 | | | | |
| 20S 10W 36ACD 01 | | 13.9 | -4 | | .3 | -.1 | | | | |
| 21S 07W 04AAC 01 | | 13.9 | | | -.2 | | | | | |
| 21S 07W 26CBD 01 | | 12.3 | -2 | | .7 | -.1 | | | | |
| 21S 08W 09CBD 01 | | 11.4 | -2 | | .8 | -.1 | | | | |
| 21S 08W 25ABB 01 | | 5.1 | 2 | | .5 | .1 | | | | |
| 21S 08W 32DBB 01 | | | | | | | | | | |
| 21S 09W 02DDA 01 | | 12.9 | -4 | | .4 | -.1 | | | | |
| 21S 09W 15AAC 02 | | 6.3 | | | .5 | | | | | |
| 21S 10W 16CDC 01 | | 6.1 | | | .6 | | | | | |



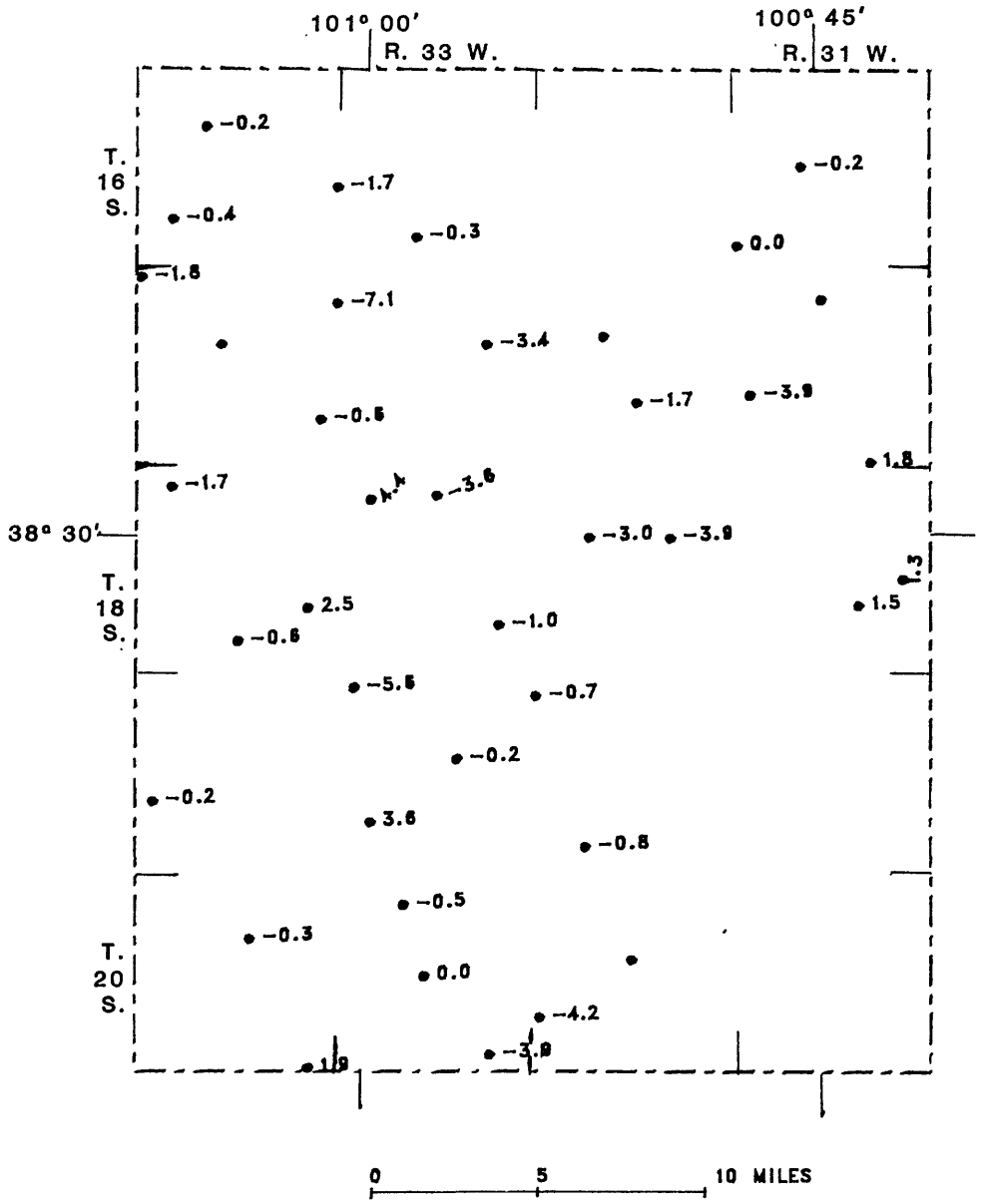

WATER–LEVEL CHANGE IN RICE COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, SCOTT COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16S 31W 17DDD 01 | TO | 2931. | 161 | 118 | | 121.8 | 119.0 | 121.7 | 121.1 | 119.2 | 120.0 | 120.2 |
| 16S 31W 31BCB 01 | TO | 2958. | 168 | 127 | 128.4 | 136.6 | 135.0 | 135.0 | 137.6 | 134.5 | 135.8 | 135.8 |
| 16S 33W 19CBB 01 | TO | 3097. | 192 | 124 | 140.7 | 160.1 | 157.2 | 160.2 | 159.3 | 159.9 | 161.5 | 163.2 |
| 16S 33W 33BAA 01 | TO | 3066. | 194 | 130 | | 148.6 | 148.9 | 152.3 | 150.7 | 150.4 | 151.8 | 152.1 |
| 16S 34W 09CCB 01 | TO | 3146. | 181 | 118 | 133.5 | 155.9 | 156.7 | 157.0 | 157.4 | 157.8 | 158.6 | 158.8 |
| 16S 34W 29CBB 01 | TO | 3160. | 181 | 119 | 134.1 | 168.2 | 166.2 | 166.3 | 166.7 | 166.7 | 167.5 | 167.9 |
| 17S 31W 04DCC 01 | TO | 2932. | 170 | 117 | | 130.3 | 135.1 | 125.6 | 129.3 | 125.7 | | 128.9 |
| 17S 31W 19CDA 01 | TO | 2960. | | | | | 122.0 | 124.2 | 125.4 | 121.5 | 123.7 | 127.6 |
| 17S 31W 35CCB 01 | TO | 2925. | 147 | 86 | | 101.8 | 101.0 | 98.3 | 97.6 | 97.5 | 99.9 | 98.1 |
| 17S 32W 16BBB 01 | TO | 2980. | 231 | 88 | | 145.8 | 152.2 | | | | 140.6 | |
| 17S 32W 27BBB 01 | TO | 2990. | 180 | 95 | 107.0 | | 147.8 | 153.1 | 153.0 | 143.0 | 147.0 | 148.7 |
| 17S 33W 07BBB 01 | TO | 3093. | 202 | 112 | 134.5 | 154.6 | 153.6 | | 154.5 | 158.0 | 151.3 | 158.4 |
| 17S 33W 14ACB 01 | TO | 3014. | 214 | 93 | | 137.8 | 138.7 | 139.5 | 140.6 | 140.7 | 140.0 | 143.4 |
| 17S 34W 06BCB 01 | TO | 3163. | 194 | 108 | 118.5 | 146.8 | 144.6 | | 146.8 | 146.1 | 147.9 | 149.7 |
| 17S 34W 16ACB 01 | TO | 3134. | 194 | 107 | 112.1 | 127.8 | 126.3 | 127.4 | 127.1 | 128.2 | | |
| 17S 34W 25DBB 01 | TO | 3092. | 189 | 103 | 114.5 | 137.1 | 134.6 | 137.1 | 137.1 | 134.9 | 136.5 | 137.1 |
| 18S 31W 24BCB 01 | TO | 2913. | 110 | 68 | | 74.1 | 77.9 | 76.2 | 75.4 | 74.6 | 75.6 | 74.3 |
| 18S 31W 27ABA 01 | TO | 2930. | 105 | 70 | | 69.9 | 70.4 | 69.2 | | 69.0 | 68.6 | 67.1 |
| 18S 32W 14BBB 01 | TO | 2980. | 175 | 85 | 98.4 | 113.2 | 116.0 | 114.5 | 114.6 | 114.5 | 114.7 | 118.6 |
| 18S 32W 17ABA C2 | TO | 2973. | | | | 114.7 | 116.2 | 114.9 | 113.6 | 113.5 | 114.1 | 117.1 |
| 18S 33W 03CCB 01 | TO | 3008. | 182 | 71 | 83.1 | 120.8 | 117.0 | 118.0 | 118.8 | 118.2 | 118.9 | 122.5 |
| 18S 33W 05CCC 01 | TO | 3041. | 119 | 75 | 84.7 | 97.5 | 99.9 | 99.1 | 99.7 | 99.6 | 106.7 | 102.3 |
| 18S 33W 26DAD 02 | | 2952. | 168 | 30 | 47.0 | 75.3 | 76.8 | 77.8 | 79.2 | 80.6 | 81.5 | 82.5 |
| 18S 34W 05CBB 01 | TO | 3148. | 168 | 88 | | 115.5 | 115.6 | 115.9 | 115.5 | 114.8 | 117.2 | 118.9 |
| 18S 34W 25BBD 01 | TO | 3092. | 132 | 90 | 95.8 | 111.6 | 112.4 | 112.6 | 112.6 | 116.3 | 116.4 | 113.9 |
| 18S 34W 34BBC 01 | TO | 3130. | 160 | 90 | 100.6 | 119.0 | 119.1 | 116.9 | | 116.9 | 118.7 | 119.3 |
| 19S 32W 06CCB 01 | | 2937. | 199 | 21 | | 65.6 | 67.5 | 68.0 | 70.3 | 68.4 | 72.2 | 72.9 |
| 19S 32W 32ACB 01 | QU,TC | 2984. | 204 | 69 | | 84.8 | 86.9 | 86.3 | 86.3 | 85.2 | 85.6 | 86.4 |
| 19S 33W 06DBB 01 | TO | 3021. | 117 | 59 | | 63.4 | 64.6 | 66.5 | 68.1 | 62.7 | 62.9 | 68.5 |
| 19S 33W 15DBD 01 | TO | 2964. | 132 | 56 | 70.9 | 107.0 | 109.0 | 108.6 | 108.8 | 109.9 | 110.0 | 110.2 |
| 19S 33W 29CBB 02 | | 2994. | 174 | 76 | 101.0 | 117.8 | 120.8 | 124.3 | 126.1 | 115.1 | 117.2 | 113.6 |
| 19S 34W 19DCCC01 | | 3138. | | | | 125.2 | 125.0 | 125.9 | 126.1 | 126.1 | 126.2 | 126.4 |
| 20S 32W 16DAD 01 | TO | 2955. | 155 | 57 | | | 126.2 | 123.2 | | 123.9 | | 127.5 |
| 20S 32W 30BCD 01 | TO | 2917. | 187 | 25 | | 87.6 | 92.5 | 91.1 | 92.8 | 97.4 | 101.6 | 105.8 |
| 20S 33W 09BBB 01 | TO | 2973. | 128 | 60 | 84.5 | 97.7 | 98.1 | 98.9 | 99.5 | 100.1 | 100.7 | 101.2 |
| 20S 33W 21ABD 01 | | 2957. | 147 | 48 | 50.9 | 129.2 | 124.1 | | 135.0 | 123.2 | 126.0 | 126.0 |
| 20S 33W 35DBA C1 | QA,TC | 2929. | 147 | 40 | 53.2 | 91.0 | 93.7 | 94.5 | 96.9 | 96.8 | 100.0 | 103.9 |
| 20S 34W 15BAA 01 | TO | 3060. | 138 | 97 | | 103.1 | 102.6 | 102.9 | 103.4 | 102.7 | 102.6 | 102.9 |
| 20S 34W 36CCD C1 | TO | 2962. | 107 | 53 | | 79.6 | 79.3 | 80.7 | 79.9 | 79.5 | 80.3 | 78.4 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, SCOTT COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16S 31W 17DDD 01 | TO | 120.2 | -2 | | -.2 | -.1 | | 43 | 41 | -5 |
| 16S 31W 31BCB 01 | TO | 135.8 | -9 | -7.4 | 0.0 | -.2 | -.3 | 41 | 32 | -22 |
| 16S 33W 19CBB 01 | TO | 163.2 | -39 | -22.5 | -1.7 | -1.0 | -1.0 | 68 | 29 | -57 |
| 16S 33W 33BAA 01 | TO | 152.1 | -22 | | -.3 | -.6 | | 64 | 42 | -34 |
| 16S 34W 09CCB 01 | TO | 158.8 | -41 | -25.3 | -.2 | -1.1 | -1.2 | 63 | 22 | -65 |
| 16S 34W 29CBB 01 | TO | 167.9 | -49 | -33.8 | -.4 | -1.3 | -1.5 | 62 | 13 | -79 |
| 17S 31W 04DCC 01 | TO | 128.9 | -12 | | | -.3 | | 53 | 41 | -23 |
| 17S 31W 19CDA 01 | TO | 127.6 | | | -3.9 | | | | | |
| 17S 31W 35CCB 01 | TO | 98.1 | -12 | | 1.8 | -.3 | | 61 | 49 | -20 |
| 17S 32W 16BBB 01 | TO | | | | | | | | | |
| 17S 32W 27BBB 01 | TO | 148.7 | -54 | -41.6 | -1.7 | -1.4 | -1.9 | 85 | 31 | -64 |
| 17S 33W 07BBB 01 | TO | 158.4 | -46 | -23.8 | -7.1 | -1.2 | -1.1 | 90 | 44 | -51 |
| 17S 33W 14ACB 01 | TO | 143.4 | -50 | | -3.4 | -1.3 | | 121 | 71 | -41 |
| 17S 34W 06BCB 01 | TO | 149.7 | -42 | -31.2 | -1.8 | -1.1 | -1.4 | 86 | 44 | -49 |
| 17S 34W 16ACB 01 | TO | | | | | | | | | |
| 17S 34W 25DBB 01 | TO | 137.1 | -34 | -22.5 | -.6 | -.9 | -1.0 | 86 | 52 | -40 |
| 18S 31W 24BCB 01 | TO | 74.3 | -6 | | 1.3 | -.2 | | 42 | 36 | -14 |
| 18S 31W 27ABA 01 | TO | 67.1 | 3 | | 1.5 | .1 | | 35 | 38 | 9 |
| 18S 32W 14BBB 01 | TO | 118.6 | -34 | -20.1 | -3.9 | -.9 | -.9 | 90 | 56 | -38 |
| 18S 32W 17ABA 02 | TO | 117.1 | | | -3.0 | | | | | |
| 18S 33W 03CCB 01 | TO | 122.5 | -52 | -39.4 | -3.6 | -1.4 | -1.8 | 111 | 60 | -46 |
| 18S 33W 05CCC 01 | TO | 102.3 | -27 | -17.5 | 4.4 | -.7 | -.8 | 44 | 17 | -61 |
| 18S 33W 26DAD 02 | | 82.5 | -53 | -35.5 | -1.0 | -1.4 | -1.6 | 138 | 86 | -38 |
| 18S 34W 05CBB 01 | TO | 118.9 | -31 | | -1.7 | -.8 | | 80 | 49 | -39 |
| 18S 34W 25BBD 01 | TO | 113.9 | -24 | -18.1 | 2.5 | -.6 | -.8 | 42 | 18 | -57 |
| 18S 34W 34BBC 01 | TO | 119.3 | -29 | -18.7 | -.6 | -.8 | -.9 | 70 | 41 | -41 |
| 19S 32W 06CCB 01 | | 72.9 | -52 | | -.7 | -1.4 | | 178 | 126 | -29 |
| 19S 32W 32ACB 01 | QU,TO | 86.4 | -17 | | -.8 | -.4 | | 135 | 118 | -13 |
| 19S 33W 06DBB 01 | TO | 68.5 | -10 | | -5.6 | -.3 | | 58 | 49 | -16 |
| 19S 33W 15DBD 01 | TO | 110.2 | -54 | -39.3 | -.2 | -1.4 | -1.8 | 76 | 22 | -71 |
| 19S 33W 29CBB 02 | | 113.6 | -38 | -12.6 | 3.6 | -1.0 | -.6 | 98 | 60 | -39 |
| 19S 34W 19DCCC01 | | 126.4 | | | -.2 | | | | | |
| 20S 32W 16DAD 01 | TO | 127.5 | -71 | | | -1.9 | | 98 | 28 | -71 |
| 20S 32W 30BCD 01 | TO | 105.8 | -81 | | -4.2 | -2.1 | | 162 | 81 | -50 |
| 20S 33W 09BBB 01 | TO | 101.2 | -41 | -16.7 | -.5 | -1.1 | -.8 | 68 | 27 | -60 |
| 20S 33W 21ABD 01 | | 126.0 | -78 | -75.0 | 0.0 | -2.1 | -3.4 | 99 | 21 | -79 |
| 20S 33W 35DBA 01 | QA,TO | 103.9 | -64 | -50.6 | -3.9 | -1.7 | -2.3 | 107 | 43 | -60 |
| 20S 34W 15BAA 01 | TO | 102.9 | -6 | | -.3 | -.2 | | 41 | 35 | -15 |
| 20S 34W 36CCD 01 | TO | 78.4 | -25 | | 1.9 | -.7 | | 54 | 29 | -46 |



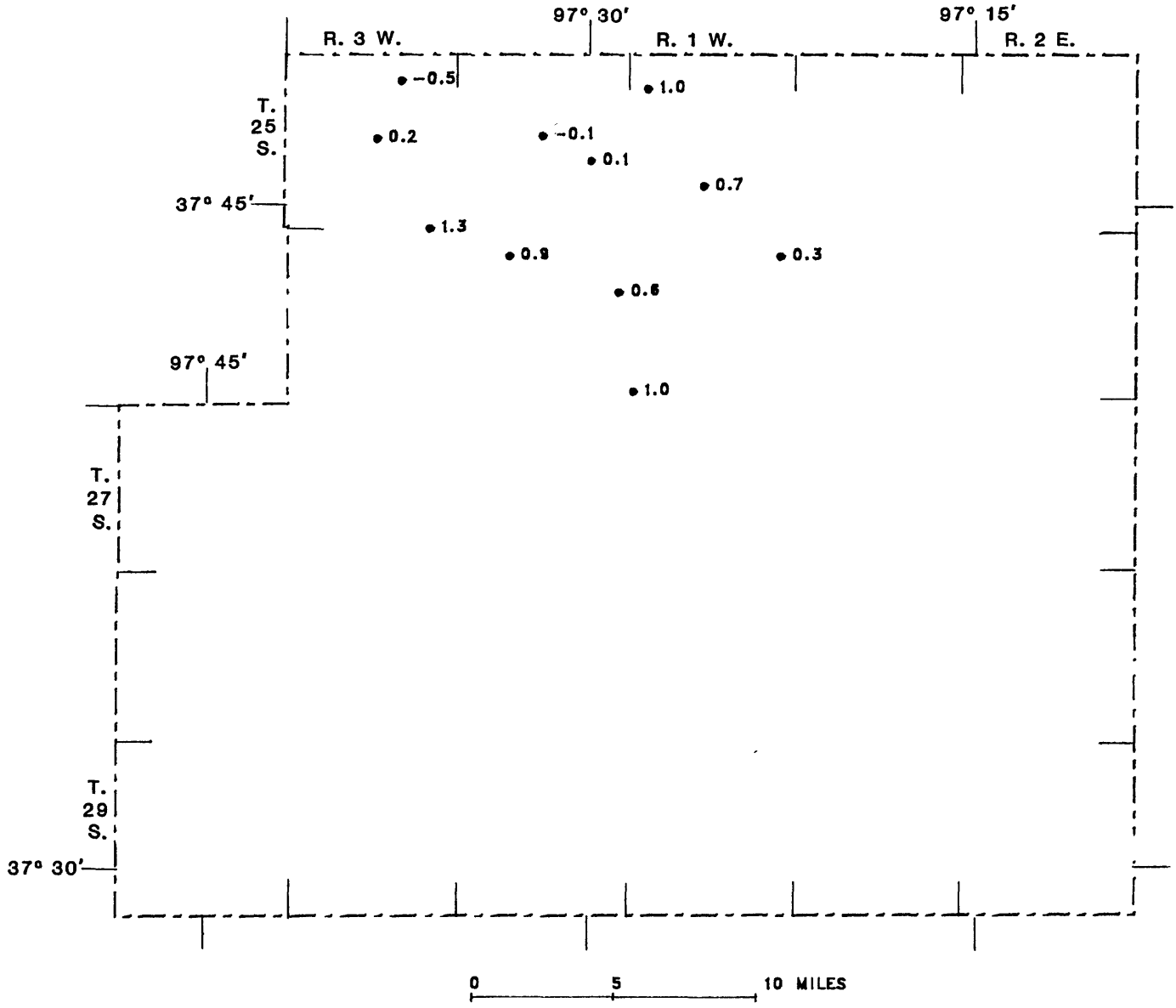

WATER–LEVEL CHANGE IN SCOTT COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, SEDGWICK COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25S 01W 07ABD 01 | QU | 1377. | | | | | | | 30.8 | 27.6 | 27.2 | 26.2 |
| 25S 01W 28DBA 01 | QU | 1364. | | | | | | | 15.1 | 12.9 | 13.7 | 13.0 |
| 25S 02W 16DDA 01 | QU | 1390. | | | | | | | 6.7 | 4.4 | 4.9 | 5.0 |
| 25S 02W 23DBD 01 | QU | 1379. | | | | | | | 10.3 | 8.7 | 9.1 | 9.0 |
| 25S 03W 03DDD 01 | QA/QU | 1423. | | | | 10.6 | 11.8 | 12.6 | 12.7 | 10.1 | 10.7 | 11.2 |
| 25S 03W 15CCC 01 | QU | 1428. | | | | | | | 22.6 | 20.1 | 20.0 | 19.8 |
| 26S 01W 12BAD 01 | QU | 1341. | | | | | | | 16.5 | 14.2 | 15.8 | 15.5 |
| 26S 01W 31CCD 01 | | 1370. | | | | | | | 40.1 | 38.8 | 38.0 | 37.0 |
| 26S 02W 08AAB 01 | QU | 1397. | | | | | | | 32.8 | 30.9 | 29.6 | 28.7 |
| 26S 02W 13ACA 01 | QU | 1360. | | | | | | | 11.1 | 8.7 | 8.5 | 7.9 |
| 26S 03W 02AAC 01 | QU | 1409. | | | | | | | 23.2 | 20.9 | 20.0 | 18.7 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, SEDGWICK COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 25S 01W 07ABD 01 | QU | 26.2 | | | 1.0 | | | | | |
| 25S 01W 28DBA 01 | QU | 13.0 | | | .7 | | | | | |
| 25S 02W 16DDA 01 | QU | 5.0 | | | -.1 | | | | | |
| 25S 02W 23DBD 01 | QU | 9.0 | | | .1 | | | | | |
| 25S 03W 03DDD 01 | QA,QU | 11.2 | | | -.5 | | | | | |
| 25S 03W 15CCC 01 | QU | 19.8 | | | .2 | | | | | |
| 26S 01W 12BAD 01 | QU | 15.5 | | | .3 | | | | | |
| 26S 01W 31CCD 01 | | 37.0 | | | 1.0 | | | | | |
| 26S 02W 08AAB 01 | QU | 28.7 | | | .9 | | | | | |
| 26S 02W 13ACA 01 | QU | 7.9 | | | .6 | | | | | |
| 26S 03W 02AAC 01 | QU | 18.7 | | | 1.3 | | | | | |



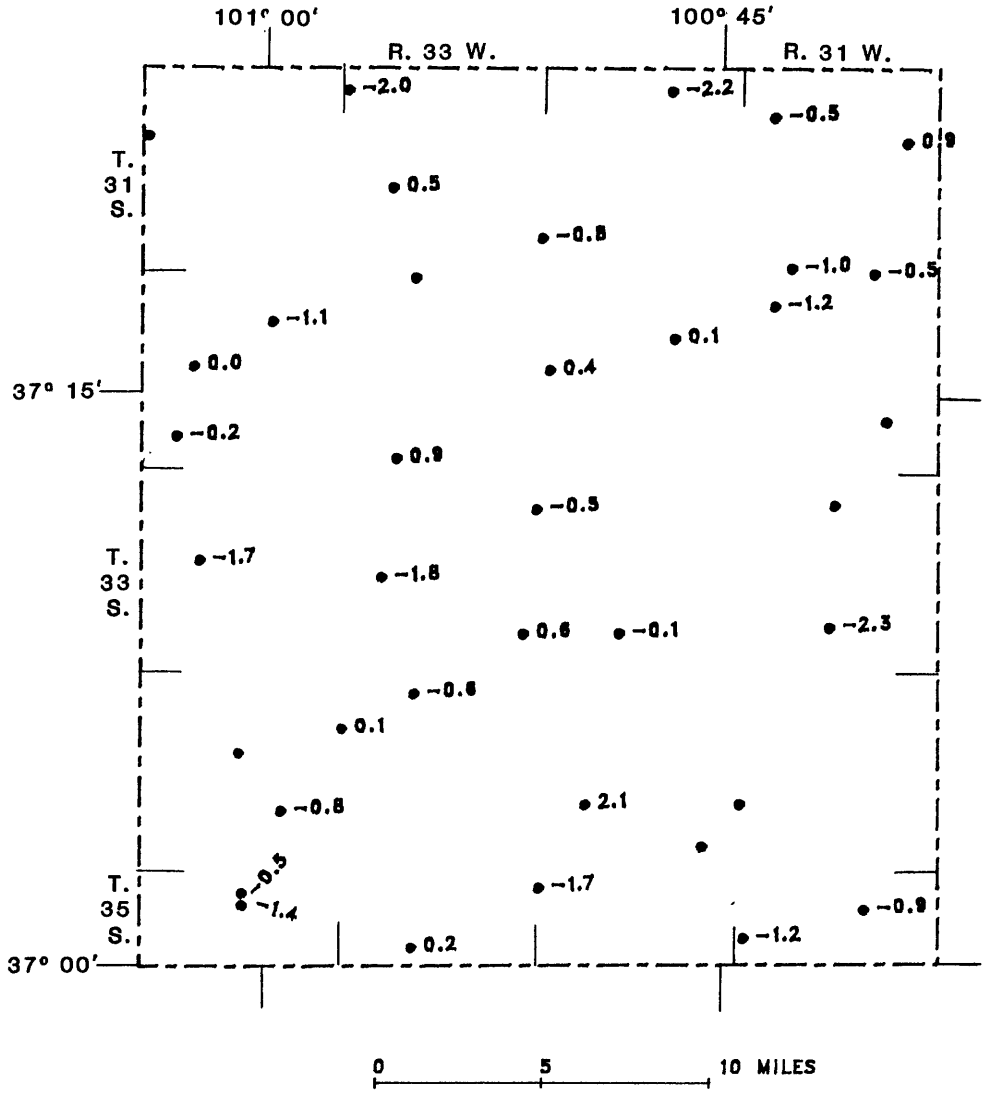

WATER–LEVEL CHANGE IN SEDGWICK COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, SEWARD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31S 31W 08BCC C1 | QU,TC | 2829. | 519 | 164 | 169.4 | 210.5 | 218.0 | 215.5 | 218.5 | 218.8 | 219.8 | 220.3 |
| 31S 31W 13BBC 01 | | 2800. | 515 | 152 | | | | | 158.4 | 159.0 | 160.8 | 159.9 |
| 31S 31W 32DCC C1 | | 2801. | 456 | 153 | | | | | 162.2 | 162.4 | 163.2 | 164.2 |
| 31S 32W 03DAD 01 | QU,TC | 2845. | 496 | 158 | 174.1 | 216.8 | 222.3 | 217.3 | 219.6 | 217.7 | 218.5 | 220.7 |
| 31S 32W 31BBB 01 | | 2864. | 454 | 174 | | | | | 218.5 | 213.1 | 217.0 | 217.8 |
| 31S 33W 06CBD 01 | QU,TC | 2948. | 498 | 210 | 211.2 | 238.2 | 242.4 | 242.5 | 243.7 | 245.0 | 247.5 | 249.5 |
| 31S 33W 20DBB 01 | QU,TC | 2897. | 537 | 179 | 179.1 | 213.2 | 217.1 | 208.0 | 212.1 | 215.7 | 216.5 | 216.0 |
| 31S 34W 18BBB C1 | QU,TC | 2951. | 421 | 186 | 186.3 | 213.4 | 218.0 | 216.8 | 218.8 | 219.0 | 220.1 | |
| 32S 31W 02BBB 01 | | 2787. | 497 | 149 | | | | | 192.6 | 191.8 | 192.5 | 193.0 |
| 32S 31W 08BBB 01 | QU,TC | 2815. | 455 | 175 | 165.5 | 204.4 | 214.6 | 202.9 | 204.4 | 203.3 | 204.5 | 205.7 |
| 32S 31W 26CAA 01 | QU,TC | 2783. | 453 | 180 | 182.9 | | 216.5 | 209.3 | 217.9 | 220.5 | 220.2 | |
| 32S 32W 14BBB C1 | QU,TC | 2830. | 435 | 180 | 192.8 | 227.3 | 232.7 | 222.0 | 222.7 | 222.0 | 222.5 | 222.4 |
| 32S 32W 19BAB 01 | QU,TC | 2854. | 475 | 189 | 194.7 | 222.2 | 227.2 | 214.8 | 217.1 | 217.1 | 217.5 | 217.1 |
| 32S 33W 04BAA 01 | | 2869. | | 167 | | 195.4 | | 191.7 | 193.0 | 193.2 | 194.0 | |
| 32S 33W 32DBD 01 | | 2830. | | | | | | | | 151.7 | 150.8 | 149.9 |
| 32S 34W 10DAA 01 | QU,TC | 2925. | 470 | 205 | 203.5 | 219.3 | 222.8 | 223.1 | 220.9 | 220.6 | 220.5 | 221.6 |
| 32S 34W 17DCC 01 | | 2953. | 493 | 213 | 222.8 | 253.8 | 258.7 | 256.2 | 251.2 | 251.6 | 253.8 | 253.8 |
| 32S 34W 32BBB 01 | QU,TC | 2921. | 491 | 159 | 154.3 | 187.1 | 189.4 | 175.5 | 174.8 | 174.9 | 175.4 | 175.6 |
| 33S 31W 09AAB 01 | | 2766. | | | | | | | | | | 204.3 |
| 33S 31W 28DDB 01 | | 2720. | 550 | 190 | | | | | 186.8 | 188.5 | 188.7 | 191.0 |
| 33S 32W 28CDD 02 | QU,TC | 2630. | 399 | 60 | | 58.0 | 58.4 | 58.7 | 58.7 | 58.7 | 58.8 | 58.9 |
| 33S 33W 12AAD C1 | QU,TC | 2626. | 316 | 5 | 5.7 | 9.2 | 8.3 | 9.4 | 9.1 | 9.4 | 9.4 | 9.9 |
| 33S 33W 20BCC 01 | | 2866. | | 176 | | 213.5 | 217.5 | 195.4 | 195.9 | 194.3 | 197.8 | 199.6 |
| 33S 33W 25DCC C1 | | 2810. | | 197 | | 210.5 | 213.0 | 198.3 | 198.6 | 198.3 | 203.0 | 202.4 |
| 33S 34W 17DCC 01 | | 2918. | | 123 | | | 114.0 | 112.2 | | 114.4 | 118.9 | 120.6 |
| 34S 31W 30BBB 01 | | 2731. | 671 | 208 | | 210.5 | 210.6 | 211.0 | 211.1 | 210.2 | | 214.4 |
| 34S 32W 29BAA 01 | | 2765. | 525 | 175 | | | | | 175.7 | 168.8 | 171.7 | 169.6 |
| 34S 32W 35ADA 01 | QU,TC | 2734. | | 189 | | 190.8 | 191.4 | 191.1 | 191.9 | 190.3 | | 193.6 |
| 34S 33W 04BCD 01 | | 2855. | | 165 | | 206.2 | 210.5 | 192.8 | 193.2 | | 194.8 | 195.4 |
| 34S 33W 07CCB 01 | | 2901. | 575 | 140 | 126.7 | 132.9 | 133.9 | 135.1 | 136.0 | 137.1 | 138.9 | 138.8 |
| 34S 34W 16DAA 01 | QU,TC | 2943. | 673 | 114 | 94.5 | 133.3 | 137.9 | 131.0 | 125.7 | 125.6 | | 125.7 |
| 34S 34W 26BCA 01 | | 2908. | | 98 | | | | | 106.8 | | 109.9 | 110.7 |
| 35S 31W 10AAC 01 | | 2690. | | | | | | | 194.0 | 193.5 | 194.0 | 194.9 |
| 35S 31W 18BBA 01 | QU,TC | 2707. | 497 | 187 | 181.9 | | 187.7 | 177.6 | 180.0 | 179.7 | 181.4 | 182.6 |
| 35S 32W 06CBB 01 | | 2780. | 540 | 150 | | | | | 159.2 | 159.9 | 160.3 | 162.0 |
| 35S 33W 16BCA 01 | QU,TC | 2838. | 658 | 126 | 103.7 | 120.0 | 123.2 | 121.3 | | 128.9 | 129.7 | 129.5 |
| 35S 34W 03CBC 01 | | 2920. | 660 | 95 | | 97.8 | 100.4 | 104.1 | 104.3 | 101.9 | 101.5 | 102.0 |
| 35S 34W 10BBB 01 | QU,TC | 2912. | 647 | 90 | 80.3 | | 78.0 | 75.5 | 77.4 | 78.5 | 78.7 | 80.1 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, SEWARD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 31S 31W 08BCC 01 | QU,TO | 220.3 | -56 | -50.8 | -.5 | -1.2 | -2.3 | 355 | 299 | -16 |
| 31S 31W 13B8C 01 | | 159.9 | -8 | | .9 | -.2 | | 363 | 355 | -2 |
| 31S 31W 32DCC 01 | | 164.2 | -11 | | -1.0 | -.2 | | 303 | 292 | -4 |
| 31S 32W 03DAD 01 | QU,TO | 220.7 | -63 | -46.6 | -2.2 | -1.3 | -2.1 | 338 | 275 | -19 |
| 31S 32W 31B8B 01 | | 217.8 | -44 | | -.8 | -.9 | | 280 | 236 | -16 |
| 31S 33W 06C8D 01 | QU,TO | 249.5 | -40 | -38.3 | -2.0 | -.8 | -1.7 | 288 | 249 | -14 |
| 31S 33W 20D8B 01 | QU,TO | 216.0 | -37 | -36.9 | .5 | -.8 | -1.7 | 358 | 321 | -10 |
| 31S 34W 18B8B 01 | QU,TO | | | | | | | | | |
| 32S 31W 02B8B 01 | | 193.0 | -44 | | -.5 | -.9 | | 348 | 304 | -13 |
| 32S 31W 08B8B 01 | QU,TO | 205.7 | -31 | -40.2 | -1.2 | -.6 | -1.8 | 280 | 249 | -11 |
| 32S 31W 26CAA 01 | QU,TO | | | | | | | | | |
| 32S 32W 14B8B 01 | QU,TO | 222.4 | -42 | -29.6 | .1 | -.9 | -1.3 | 255 | 213 | -16 |
| 32S 32W 19BAB 01 | QU,TO | 217.1 | -28 | -22.3 | .4 | -.6 | -1.0 | 286 | 258 | -10 |
| 32S 33W 04BAA 01 | | | | | | | | | | |
| 32S 33W 32D3D 01 | | 149.9 | | | .9 | | | | | |
| 32S 34W 10DAA 01 | QU,TO | 221.6 | -17 | -18.1 | -1.1 | -.4 | -.8 | 265 | 248 | -6 |
| 32S 34W 17DCC 01 | | 253.8 | -41 | -31.0 | 0.0 | -.9 | -1.4 | 280 | 239 | -15 |
| 32S 34W 32B8B 01 | QU,TO | 175.6 | -17 | -21.3 | -.2 | -.4 | -1.0 | 332 | 315 | -5 |
| 33S 31W 09AAB 01 | | 204.3 | | | | | | | | |
| 33S 31W 28DD8 01 | | 191.0 | -1 | | -2.3 | | | 360 | 359 | |
| 33S 32W 28CDD 02 | QU,TO | 58.9 | 1 | | -.1 | | | 339 | 340 | |
| 33S 33W 12AAD 01 | QU,TO | 9.9 | -5 | -4.2 | -.5 | -.1 | -.2 | 311 | 306 | -2 |
| 33S 33W 20BCC 01 | | 199.6 | -24 | | -1.8 | -.5 | | | | |
| 33S 33W 25DCC 01 | | 202.4 | -5 | | .6 | -.1 | | | | |
| 33S 34W 17DCC 01 | | 120.6 | 2 | | -1.7 | | | | | |
| 34S 31W 30B8B 01 | | 214.4 | -6 | | | -.1 | | 463 | 457 | -1 |
| 34S 32W 29BAA 01 | | 169.6 | 5 | | 2.1 | .1 | | 350 | 355 | 1 |
| 34S 32W 35ADA 01 | QU,TO | 193.6 | -5 | | | -.1 | | | | |
| 34S 33W 04BCD 01 | | 195.4 | -30 | | -.6 | -.6 | | | | |
| 34S 33W 07CC8 01 | | 138.8 | 1 | -12.0 | .1 | | -.5 | 435 | 436 | |
| 34S 34W 16DAA 01 | QU,TO | 125.7 | -12 | -31.1 | | -.3 | -1.4 | 559 | 547 | -2 |
| 34S 34W 26BCA 01 | | 110.7 | -13 | | -.8 | -.3 | | | | |
| 35S 31W 10AAC 01 | | 194.9 | | | -.9 | | | | | |
| 35S 31W 18B8A 01 | QU,TO | 182.6 | 4 | -.6 | -1.2 | .1 | | 310 | 314 | 1 |
| 35S 32W 06C8B 01 | | 162.0 | -12 | | -1.7 | -.3 | | 390 | 378 | -3 |
| 35S 33W 16BCA 01 | QU,TO | 129.5 | -4 | -25.8 | .2 | -.1 | -1.2 | 532 | 529 | -1 |
| 35S 34W 03CBC 01 | | 102.0 | -7 | | -.5 | -.1 | | 565 | 558 | -1 |
| 35S 34W 10B8B 01 | QU,TO | 80.1 | 10 | .3 | -1.4 | .2 | | 557 | 567 | 2 |




WATER–LEVEL CHANGE IN SEWARD COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, SHERIDAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06S 26W 26CBB 01 | | 2636. | | | | | | | 166.7 | 166.4 | 167.6 | 167.1 |
| 06S 27W 05CBB 01 | | 2684. | | | | | | | 112.8 | 112.1 | 113.8 | 113.2 |
| 06S 27W 08DCA 01 | QA,TC | 2588. | 108 | 21 | 14.6 | 20.2 | 19.8 | | 20.8 | 21.1 | 22.2 | 22.6 |
| 06S 27W 19ADC 01 | | 2620. | | | | | | | | | | 33.7 |
| 06S 27W 27BCC 01 | TC | 2716. | 320 | 162 | 154.4 | 164.8 | | 160.1 | 162.5 | 162.9 | | 158.9 |
| 06S 29W 10DBC 01 | TC | 2823. | 205 | 116 | 118.6 | | 131.4 | | 130.9 | 129.6 | 131.2 | 133.6 |
| 06S 29W 24ABB 01 | TC | 2781. | 205 | 91 | 96.2 | 105.5 | 103.6 | 103.1 | 104.3 | 104.8 | 107.4 | 108.4 |
| 06S 29W 33CDA 01 | TC | 2828. | 207 | 94 | 93.3 | 105.6 | 106.4 | | 107.6 | 117.2 | 121.6 | 120.4 |
| 06S 30W 13BAA 01 | TC | 2875. | 216 | 115 | | 127.4 | 127.8 | 129.8 | 131.1 | 132.6 | 128.0 | 130.9 |
| 06S 30W 14CCD 01 | TC | 2884. | 203 | 95 | 102.8 | 108.9 | 110.1 | 110.0 | 111.5 | 110.8 | 110.8 | 112.0 |
| 07S 26W 06AAB 01 | TC | 2634. | 204 | 125 | 125.9 | 131.1 | | | 131.2 | 131.5 | 132.1 | 132.3 |
| 07S 26W 12BAC 01 | TC | 2559. | 170 | 94 | 91.9 | 99.9 | 100.1 | 101.4 | 105.0 | 99.2 | 101.7 | 103.1 |
| 07S 26W 19BBC 01 | TC | 2625. | 201 | 115 | | 124.5 | 124.6 | 124.8 | 124.7 | 124.0 | 125.4 | 125.4 |
| 07S 26W 28CAB 01 | TC | 2634. | 243 | 142 | 148.4 | 154.2 | 154.4 | | 157.5 | 161.7 | 162.1 | 159.3 |
| 07S 27W 22DAC 01 | | 2644. | | | | | | | 113.9 | 118.9 | 122.3 | 115.7 |
| 07S 28W 08BDC 01 | TC | 2808. | 282 | 140 | | | 163.7 | | 165.4 | 166.1 | | 167.7 |
| 07S 28W 21ABB 01 | TC | 2774. | 235 | 129 | 131.0 | 159.4 | 160.2 | 158.8 | 160.2 | 173.3 | 177.5 | 177.3 |
| 07S 28W 36ABA 01 | TC | 2725. | 233 | 123 | 127.5 | | 149.0 | 141.6 | 149.3 | 151.0 | 147.1 | 146.0 |
| 07S 29W 05BBB 01 | | 2841. | | | | | | | 103.3 | 104.2 | 104.9 | 105.5 |
| 07S 29W 27CCC 01 | TC | 2869. | 265 | 131 | | 179.7 | 175.1 | 179.7 | 177.9 | 195.7 | | 180.7 |
| 07S 29W 30ABA 01 | TC | 2886. | 255 | 113 | 121.8 | 153.1 | 154.1 | 158.3 | 155.5 | 160.7 | 160.4 | 168.7 |
| 07S 30W 08CBB 01 | | 2919. | | | | | | | 104.6 | 99.2 | 104.5 | 104.2 |
| 08S 26W 14DAA 01 | QA | 2398. | 66 | 13 | 19.5 | 17.0 | 16.9 | 19.0 | 18.8 | 13.9 | 19.2 | 18.0 |
| 08S 27W 11DCD 01 | QA | 2504. | 60 | 13 | 8.5 | 10.4 | 10.4 | 11.1 | 10.3 | 10.3 | 10.6 | 10.4 |
| 08S 27W 35CBB 01 | | | | | | | | | 127.7 | 128.1 | 128.8 | 127.6 |
| 08S 28W 09ABC 01 | TC | 2766. | 233 | 119 | 117.7 | 139.8 | 139.4 | 139.2 | | 143.3 | 144.2 | 140.8 |
| 08S 28W 11DAA 01 | | 2692. | | | | | | | 97.9 | 98.0 | 99.7 | 104.8 |
| 08S 29W 01DCB 01 | TC | 2823. | 240 | 125 | 122.6 | 143.5 | 144.3 | 146.2 | | 154.5 | 157.7 | 157.3 |
| 08S 30W 11CBC 01 | TC | 2941. | 277 | 123 | 133.5 | 180.3 | 182.1 | 179.4 | 181.2 | 182.8 | 184.9 | 187.4 |
| 08S 30W 13DAA 01 | TC | 2891. | 257 | 103 | 109.7 | 142.0 | 141.5 | 144.1 | 145.3 | 144.7 | 147.4 | 149.9 |
| 08S 30W 30ABC 01 | TC | 2962. | 234 | 107 | 105.8 | 128.8 | 129.1 | | 129.9 | 131.6 | 132.0 | 132.9 |
| 09S 26W 22BBB 01 | | 2669. | | | | | | | 140.3 | 141.5 | 142.6 | 137.7 |
| 09S 27W 12CCC 01 | TC | 2678. | 198 | 104 | 106.5 | 109.2 | 111.0 | | 109.2 | 113.0 | 115.3 | 108.8 |
| 09S 27W 19DDD 01 | TC | 2750. | 205 | 124 | 123.6 | 128.8 | 128.8 | 133.2 | 130.3 | 131.8 | 133.2 | 129.4 |
| 09S 27W 27DAA 01 | | 2705. | | | | | | | 110.3 | 111.6 | 113.3 | 110.6 |
| 09S 28W 04BCC 01 | QA,TC | 2677. | 98 | 18 | 25.7 | 27.3 | 27.2 | | 27.0 | 27.1 | 27.5 | 27.6 |
| 09S 29W 03AAA 01 | | 2819. | | | | | | | 104.2 | 103.4 | 104.6 | 105.8 |
| 09S 29W 17BAB 01 | TC | 2854. | 196 | 84 | 84.2 | 102.9 | 102.6 | 104.6 | 106.5 | 106.5 | 106.3 | 107.0 |
| 09S 29W 26BAA 01 | TC | 2863. | 210 | 123 | 132.0 | 134.6 | | 141.9 | 138.5 | 141.8 | | 145.7 |
| 09S 30W 03AAB 02 | TC | 2933. | 217 | 118 | 119.2 | 142.0 | 141.7 | 143.5 | 145.9 | 144.7 | 148.3 | 149.3 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, SHERIDAN COUNTY -- CONTINUED

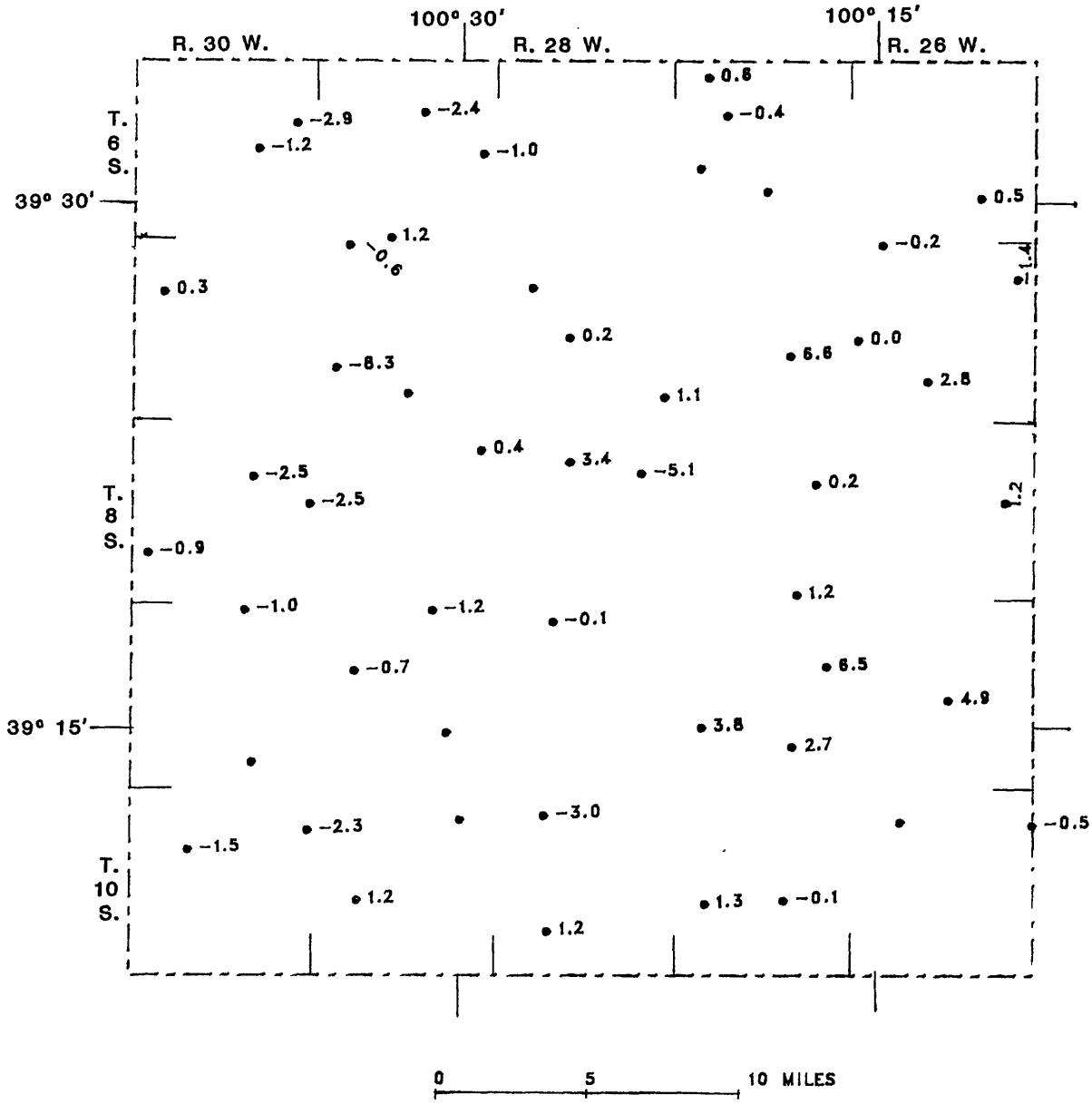
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09S 30W 35BBB 01 | TO | 2943. | 215 | 120 | 129.3 | 154.0 | 146.4 | 147.5 | 146.3 | 147.0 | 148.5 | |
| 10S 26W 08BAA 01 | | 2590. | | | | | | | | 24.0 | | 23.3 |
| 10S 26W 12AAD 01 | | 2534. | | | | | | | 27.9 | 27.8 | 29.1 | 29.6 |
| 10S 27W 20CBC 01 | QA | 2605. | 50 | 12 | 13.9 | | 18.4 | | | 18.2 | 21.0 | 19.7 |
| 10S 27W 22DBA 01 | QA | 2568. | 65 | 10 | 18.5 | 19.2 | 19.1 | 23.1 | 20.0 | 20.7 | 20.6 | 20.7 |
| 10S 28W 05DDB 01 | TO | 2789. | 173 | 99 | 95.2 | 112.1 | 106.2 | 108.3 | 108.5 | 106.7 | 108.0 | 111.0 |
| 10S 28W 29DAA 01 | QA,TC | 2691. | 62 | 22 | 25.4 | 31.6 | 25.8 | 30.2 | 27.0 | 27.1 | 27.0 | 25.8 |
| 10S 29W 02DDD 01 | | 2803. | | | | | | | 90.7 | 93.4 | 82.2 | 80.1 |
| 10S 29W 20CAA 01 | | | | | | | | | 28.8 | 30.7 | 71.2 | 70.0 |
| 10S 30W 08DDD 01 | TO | 2930. | 186 | 96 | 93.0 | 104.2 | 102.7 | 100.8 | 100.0 | 97.9 | 98.9 | 100.4 |
| 10S 30W 12ADA 01 | TO | 2874. | 187 | 89 | 87.7 | 100.6 | 96.3 | 99.8 | 101.5 | 106.9 | 100.3 | 102.6 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, SHERIDAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 06S 26W 26CBB 01 | | 167.1 | | | .5 | | | | | |
| 06S 27W 05CBB 01 | | 113.2 | | | .6 | | | | | |
| 06S 27W 08DCA 01 | QA,TO | 22.6 | -2 | -8.0 | -.4 | -.1 | -.4 | 87 | 85 | -2 |
| 06S 27W 19ADC 01 | | 33.7 | | | | | | | | |
| 06S 27W 27BCC 01 | TO | 158.9 | 3 | -4.5 | | .1 | -.2 | 158 | 161 | 2 |
| 06S 29W 10DBC 01 | TO | 133.6 | -13 | -14.9 | -2.4 | -.5 | -.7 | 89 | 71 | -20 |
| 06S 29W 24ABB 01 | TO | 108.4 | -17 | -12.2 | -1.0 | -.4 | -.6 | 114 | 97 | -15 |
| 06S 29W 33CDA 01 | TO | 120.4 | -26 | -27.1 | 1.2 | -.7 | -1.2 | 113 | 87 | -23 |
| 06S 30W 13BAA 01 | TO | 130.9 | -16 | | -2.9 | -.4 | | 101 | 85 | -16 |
| 06S 30W 14CCD 01 | TO | 112.0 | -17 | -9.1 | -1.2 | -.4 | -.4 | 108 | 91 | -16 |
| 07S 26W 06AAB 01 | TO | 132.3 | -7 | -6.4 | -.2 | -.2 | -.3 | 79 | 72 | -9 |
| 07S 26W 12BAC 01 | TO | 103.1 | -9 | -11.1 | -1.4 | -.2 | -.5 | 76 | 67 | -12 |
| 07S 26W 19BBC 01 | TO | 125.4 | -10 | | 0.0 | -.3 | | 86 | 76 | -12 |
| 07S 26W 28CAB 01 | TO | 159.3 | -17 | -10.8 | 2.8 | -.4 | -.5 | 101 | 84 | -17 |
| 07S 27W 22DAC 01 | | 115.7 | | | 6.6 | | | | | |
| 07S 28W 08BDC 01 | TO | 167.7 | -28 | | | -.7 | | 142 | 114 | -20 |
| 07S 28W 21ABB 01 | TO | 177.3 | -48 | -46.3 | .2 | -1.3 | -2.1 | 106 | 58 | -45 |
| 07S 28W 36ABA 01 | TO | 146.0 | -23 | -18.5 | 1.1 | -.6 | -.8 | 110 | 87 | -21 |
| 07S 29W 05BBB 01 | | 105.5 | | | -.6 | | | | | |
| 07S 29W 27CCC 01 | TO | 180.7 | -50 | | | -1.3 | | 134 | 84 | -37 |
| 07S 29W 30ABA 01 | TO | 168.7 | -56 | -46.9 | -8.3 | -1.5 | -2.1 | 142 | 86 | -39 |
| 07S 30W 08CBB 01 | | 104.2 | | | .3 | | | | | |
| 08S 26W 14DAA 01 | QA | 18.0 | -5 | 1.5 | 1.2 | -.1 | .1 | 53 | 48 | -9 |
| 08S 27W 11DCD 01 | QA | 10.4 | 3 | -1.8 | .2 | .1 | -.1 | 47 | 50 | 6 |
| 08S 27W 35CBB 01 | | 127.6 | | | 1.2 | | | | | |
| 08S 28W 09ABC 01 | TO | 140.8 | -22 | -23.1 | 3.4 | -.6 | -1.1 | 114 | 92 | -19 |
| 08S 28W 11DAA 01 | | 104.8 | | | -5.1 | | | | | |
| 08S 29W 01DCB 01 | TO | 157.3 | -32 | -34.7 | .4 | -.8 | -1.6 | 115 | 83 | -28 |
| 08S 30W 11CBC 01 | TO | 187.4 | -64 | -53.9 | -2.5 | -1.7 | -2.5 | 154 | 90 | -42 |
| 08S 30W 13DAA 01 | TO | 149.9 | -47 | -40.1 | -2.5 | -1.2 | -1.8 | 154 | 107 | -31 |
| 08S 30W 30ABC 01 | TO | 132.9 | -26 | -27.0 | -.9 | -.7 | -1.2 | 127 | 101 | -20 |
| 09S 26W 22BBB 01 | | 137.7 | | | 4.9 | | | | | |
| 09S 27W 12CCC 01 | TO | 108.8 | -5 | -2.3 | 6.5 | -.1 | -.1 | 94 | 89 | -5 |
| 09S 27W 19DDD 01 | TO | 129.4 | -5 | -5.8 | 3.8 | -.1 | -.3 | 81 | 76 | -6 |
| 09S 27W 27DAA 01 | | 110.6 | | | 2.7 | | | | | |
| 09S 28W 04BCC 01 | QA,TO | 27.6 | -10 | -1.9 | -.1 | -.3 | -.1 | 80 | 70 | -13 |
| 09S 29W 03AAA 01 | | 105.8 | | | -1.2 | | | | | |
| 09S 29W 17BAB 01 | TO | 107.0 | -23 | -22.8 | -.7 | -.6 | -1.0 | 112 | 89 | -21 |
| 09S 29W 26BAA 01 | TO | 145.7 | -23 | -13.7 | | -.6 | -.6 | 87 | 64 | -26 |
| 09S 30W 03AAB 02 | TO | 149.3 | -31 | -30.0 | -1.0 | -.8 | -1.4 | 99 | 68 | -31 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, SHERIDAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 09S 30W 35BBB 01 | TO | | | | | | | | | |
| 10S 26W 08BAA 01 | | 23.3 | | | | | | | | |
| 10S 26W 12AAD 01 | | 29.6 | | | -.5 | | | | | |
| 10S 27W 20CBC 01 | QA | 19.7 | -8 | -5.8 | 1.3 | -.2 | -.3 | 38 | 30 | -21 |
| 10S 27W 22DBA 01 | QA | 20.7 | -11 | -2.1 | -.1 | -.3 | -.1 | 55 | 44 | -20 |
| 10S 28W 05DDB 01 | TO | 111.0 | -12 | -15.8 | -3.0 | -.3 | -.7 | 74 | 62 | -16 |
| 10S 28W 29DAA 01 | QA,TO | 25.8 | -4 | -.4 | 1.2 | -.1 | | 40 | 36 | -10 |
| 10S 29W 02DDD 01 | | 80.1 | | | | | | | | |
| 10S 29W 20CAA 01 | | 70.0 | | | 1.2 | | | | | |
| 10S 30W 08DDD 01 | TO | 100.4 | -4 | -7.4 | -1.5 | -.1 | -.3 | 90 | 86 | -4 |
| 10S 30W 12ADA 01 | TO | 102.6 | -14 | -14.9 | -2.3 | -.4 | -.7 | 98 | 84 | -14 |




WATER–LEVEL CHANGE IN SHERIDAN COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, SHERMAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06S 37W 07BBA 01 | QA | 3304. | 134 | 5 | 6.1 | 9.2 | | | 8.6 | 7.3 | 7.4 | 7.2 |
| 06S 37W 16CDD 01 | TO | 3460. | 264 | 157 | 163.8 | 172.5 | | 180.8 | 171.5 | 171.5 | 171.9 | 172.2 |
| 06S 37W 19ABB 01 | TO | 3476. | 309 | 150 | 155.4 | 161.2 | 159.3 | 160.8 | 159.3 | 160.0 | 160.7 | 160.4 |
| 06S 38W 09ABD 01 | TO | 3510. | 318 | 147 | 151.3 | 163.6 | | 162.3 | 162.2 | | 163.0 | 162.0 |
| 06S 39W 09DDD 01 | TO | 3585. | 330 | 145 | 142.7 | 147.9 | 148.3 | 148.6 | 148.0 | 149.2 | 149.5 | 149.8 |
| 06S 40W 10AAC 01 | TO | 3641. | 341 | 151 | 151.2 | 161.3 | 161.4 | | 161.1 | 161.5 | 162.9 | 162.1 |
| 06S 40W 13CBC 01 | | 3624. | | | | | | | 147.7 | 147.0 | 148.2 | 148.3 |
| 06S 40W 30DCC 01 | TO | 3718. | 326 | 159 | 153.6 | 167.6 | 164.6 | 167.0 | 167.6 | 168.3 | 168.9 | 169.1 |
| 06S 41W 01ABB 01 | TO | 3675. | 296 | 150 | 156.6 | 158.9 | 159.2 | | 159.6 | 165.9 | 159.8 | 161.6 |
| 06S 41W 19DBD 01 | TO | 3792. | 325 | 162 | 169.5 | 181.1 | 181.7 | 182.3 | 182.6 | 183.8 | 185.4 | 185.7 |
| 06S 41W 27DBD 01 | TO | 3741. | 325 | 141 | 142.1 | 163.7 | 162.5 | 163.0 | 164.1 | 164.5 | 164.4 | 164.9 |
| 06S 42W 02AAA 01 | TO | 3777. | 277 | 179 | 181.7 | 196.7 | 195.4 | 196.3 | 196.9 | 198.1 | 199.8 | 197.3 |
| 06S 42W 08CBB 01 | TO | 3841. | 304 | 183 | 201.3 | 215.2 | 209.8 | 212.2 | | 210.8 | 211.2 | 209.8 |
| 06S 42W 22DCC 01 | TO | 3837. | 315 | 177 | 183.1 | 193.9 | 193.9 | 193.8 | 194.1 | 194.7 | 195.4 | 195.8 |
| 06S 42W 30ADA 01 | TO | 3871. | 309 | 176 | 183.6 | 201.9 | 201.5 | 201.9 | 202.2 | 202.2 | 204.9 | 203.5 |
| 07S 37W 04BBC 01 | TO | 3455. | 270 | 122 | | 137.8 | 137.1 | 136.9 | 139.5 | 136.7 | 137.6 | 137.6 |
| 07S 37W 05CCB 01 | TO | 3472. | 294 | 124 | 129.9 | 138.0 | 137.3 | 137.5 | 137.8 | 138.0 | 144.4 | 138.7 |
| 07S 38W 28DAA 01 | | 3545. | | | | | | | 145.4 | 147.4 | 147.8 | 148.3 |
| 07S 39W 01DCD 01 | | 3563. | | | | | | | 133.8 | 134.2 | 133.7 | 134.6 |
| 07S 39W 09BBB 01 | TO | 3589. | 295 | 106 | 104.8 | 116.3 | 114.6 | 116.1 | 116.7 | 116.5 | 117.3 | 117.6 |
| 07S 39W 24BAA 01 | TO | 3587. | 300 | 137 | 133.9 | 153.1 | 146.9 | | | | 148.7 | 148.5 |
| 07S 40W 06ADB 01 | TO | 3722. | 343 | 152 | 149.4 | 167.4 | 166.6 | 167.2 | 167.3 | 168.6 | 168.4 | 168.3 |
| 07S 40W 29BBA 01 | TO | 3708. | 288 | 121 | 121.5 | 139.2 | | | 139.9 | 140.9 | 141.6 | 141.7 |
| 07S 40W 35BBB 01 | TO | 3650. | 255 | 102 | 103.0 | 128.4 | 126.3 | 125.6 | 124.8 | 125.8 | 127.4 | 127.5 |
| 07S 40W 36BAB 01 | TO | 3643. | 321 | 105 | 109.9 | 135.1 | 132.6 | 133.6 | 133.7 | 133.3 | 134.9 | 135.4 |
| 07S 41W 07BCB 01 | TO | 3840. | 300 | 180 | 174.4 | 195.3 | | 195.4 | | 198.1 | 199.5 | 200.0 |
| 07S 41W 28DBB 01 | TO | 3774. | 280 | 111 | 111.4 | 126.9 | 126.4 | 126.6 | 127.3 | 128.2 | 129.3 | 129.7 |
| 07S 42W 07DAA 01 | TO | 3903. | 320 | 163 | 164.4 | 197.0 | 192.8 | | | 195.5 | 191.9 | 189.1 |
| 07S 42W 17CCC 01 | TO | 3864. | 263 | 119 | 117.9 | 136.1 | 139.3 | 140.2 | | 141.2 | 141.9 | 142.1 |
| 07S 42W 27AAB 01 | TO | 3862. | 321 | 142 | 140.6 | 164.1 | 164.5 | 165.1 | 164.5 | 165.3 | 167.2 | 166.8 |
| 08S 37W 03ADB 01 | TO | 3476. | 273 | 126 | 143.5 | 154.5 | 153.7 | | 155.3 | 156.1 | 159.9 | 158.7 |
| 08S 37W 21CCC 01 | TO | 3496. | 230 | 120 | 121.1 | 140.9 | 139.1 | 138.7 | 140.4 | 140.1 | 141.0 | 141.1 |
| 08S 37W 32ABB 01 | TO | 3468. | 216 | 83 | 80.0 | 97.0 | 95.9 | 95.7 | | 94.9 | 96.1 | 96.0 |
| 08S 38W 17CDD 01 | TO | 3603. | 293 | 143 | 142.0 | 161.8 | 161.0 | 162.2 | 161.2 | 161.2 | 160.8 | 162.2 |
| 08S 38W 24AAB 01 | TO | 3513. | 260 | 110 | 111.0 | 120.2 | | 117.9 | 119.8 | 120.7 | 124.3 | 125.9 |
| 08S 39W 15CCC 01 | TO | 3642. | 272 | 127 | 135.0 | 163.8 | 163.6 | 163.5 | 163.9 | 163.5 | 163.8 | 164.7 |
| 08S 40W 12DBA 01 | TO | 3670. | 290 | 120 | 133.0 | 168.1 | 166.0 | 166.0 | 165.6 | 166.1 | 165.8 | 166.1 |
| 08S 40W 17CDB 01 | TO | 3727. | 277 | 102 | 108.0 | 132.5 | 132.5 | 132.7 | 135.1 | 133.1 | 133.9 | 134.1 |
| 08S 40W 20CCC 01 | TO | 3716. | 277 | 80 | 80.0 | 115.4 | 113.7 | 113.6 | 114.3 | 111.9 | 112.9 | 112.7 |
| 08S 40W 25AAC 01 | TO | 3701. | 290 | 133 | 158.0 | 183.4 | 182.6 | 182.1 | 182.3 | 181.5 | 182.1 | 182.9 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, SHERMAN COUNTY -- CONTINUED

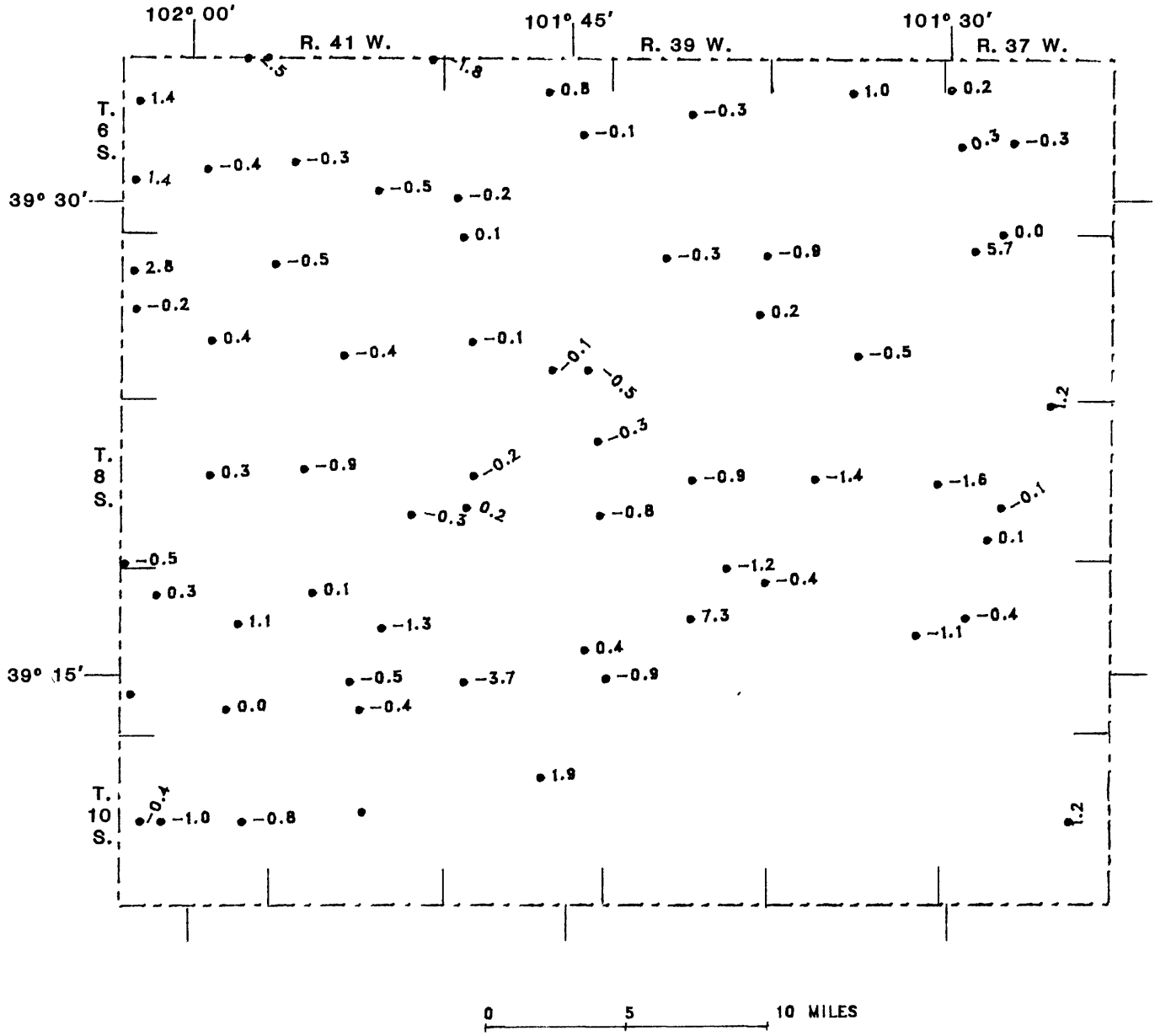
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08S 41W 17CBA 01 | TO | 3843. | 300 | 129 | 129.0 | 145.1 | 145.7 | 147.4 | 153.6 | 146.3 | 148.8 | 149.7 |
| 08S 41W 25BBC 01 | TO | 3754. | 264 | 94 | 96.0 | 116.7 | 117.2 | 116.1 | 118.6 | 119.3 | 120.5 | 120.8 |
| 08S 42W 15DDB 01 | TO | 3859. | 274 | 98 | 99.0 | 125.0 | 125.8 | 124.0 | 125.5 | 125.9 | 126.8 | 126.5 |
| 08S 42W 31DCD 01 | TO | 3872. | 207 | 50 | 58.0 | 77.7 | 79.0 | 79.1 | 79.9 | 80.6 | 81.2 | 81.7 |
| 09S 37W 07DDB C1 | | 3496. | | | | | | | 92.8 | 92.8 | 93.3 | 93.7 |
| 09S 38W 13BCC 01 | TO | 3510. | | | | | | | 80.4 | 79.0 | 79.4 | 80.5 |
| 09S 39W 01DBA 01 | | 3619. | | | | | | | 163.4 | 156.7 | 139.7 | 140.1 |
| 09S 39W 02BAB 01 | TO | 3646. | 246 | 133 | | 170.6 | 170.0 | 169.2 | 170.1 | 168.4 | 168.7 | 169.9 |
| 09S 39W 10CCB 01 | | 3661. | | | | | | | 144.4 | 144.4 | 146.6 | 139.3 |
| 09S 39W 19CCC 01 | TO | 3695. | 245 | 105 | | 144.9 | 131.4 | 134.5 | 135.8 | 134.0 | 134.5 | 135.4 |
| 09S 40W 13CDC 01 | TO | 3722. | 260 | 123 | 125.0 | 157.5 | 157.7 | 158.6 | 159.5 | 158.7 | 159.8 | 159.4 |
| 09S 40W 29BBB C1 | TO | 3782. | 246 | 122 | 119.0 | 158.5 | 156.6 | 158.0 | 159.4 | 158.8 | 156.0 | 159.7 |
| 09S 41W 05DCC 01 | TO | 3860. | 265 | 128 | 136.0 | 166.8 | 166.7 | 167.1 | 177.0 | 167.7 | 168.9 | 168.8 |
| 09S 41W 14BBC C1 | | 3835. | | 129 | | 173.7 | 174.2 | 175.9 | 176.2 | 175.2 | 176.1 | 177.4 |
| 09S 41W 28AAA 01 | TO | 3854. | 290 | 124 | 134.0 | 175.7 | | | 181.4 | 172.8 | 173.8 | 174.3 |
| 09S 41W 34BAB 01 | TO | 3841. | 290 | 111 | 114.0 | 155.3 | 147.4 | 150.1 | 148.7 | 148.3 | 149.5 | 149.9 |
| 09S 42W 08AAA 01 | TO | 3943. | 271 | 120 | 131.0 | 155.9 | 156.5 | 156.8 | 157.3 | 156.6 | 157.6 | 157.3 |
| 09S 42W 14AAA 01 | TO | 3901. | 291 | 116 | 131.0 | 168.5 | 167.5 | | | 164.4 | 166.8 | 165.7 |
| 09S 42W 29CBB 01 | | | | | | | | | | 139.6 | 138.5 | |
| 09S 42W 35ABB 01 | TO | 3916. | 268 | 102 | 103.0 | 142.5 | 142.5 | 143.0 | 143.0 | 141.9 | 143.9 | 143.9 |
| 10S 37W 23ABB 01 | TO | 3421. | 289 | 171 | 174.0 | 191.8 | 196.4 | 191.7 | 189.6 | 193.7 | 200.4 | 199.2 |
| 10S 40W 10ADC 01 | QA,TO | 3624. | 68 | 12 | 16.0 | 17.1 | 16.5 | 17.8 | 17.9 | 18.1 | 18.4 | 16.5 |
| 10S 41W 15CAD 01 | TO,QA | 3762. | 117 | 12 | 12.0 | 21.1 | 22.1 | | 23.4 | 24.4 | 25.4 | |
| 10S 42W 20ABB 01 | | 3968. | | | | | | | 117.2 | 113.5 | 113.5 | 113.9 |
| 10S 42W 21BBB 01 | TO | 3963. | 223 | 73 | 86.0 | 107.6 | 108.3 | 109.1 | 109.0 | 109.6 | 110.8 | 111.8 |
| 10S 42W 24BAB 01 | TO | 3903. | 204 | 73 | 84.0 | 99.7 | 98.2 | 100.2 | 98.2 | 100.9 | 102.0 | 102.8 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, SHERMAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 06S 37W 07BBA 01 | QA | 7.2 | -2 | -1.0 | .2 | -.1 | | 129 | 127 | -2 |
| 06S 37W 16CDD 01 | TO | 172.2 | -15 | -8.4 | -.3 | -.4 | -.4 | 107 | 92 | -14 |
| 06S 37W 19ABB 01 | TO | 160.4 | -10 | -5.0 | .3 | -.3 | -.2 | 159 | 149 | -6 |
| 06S 38W 09ABD 01 | TO | 162.0 | -15 | -10.7 | 1.0 | -.4 | -.5 | 171 | 156 | -9 |
| 06S 39W 09DDD 01 | TO | 149.8 | -5 | -7.1 | -.3 | -.1 | -.3 | 185 | 180 | -3 |
| 06S 40W 10AAC 01 | TO | 162.1 | -11 | -10.9 | .8 | -.3 | -.5 | 190 | 179 | -6 |
| 06S 40W 13CBC 01 | | 148.3 | | | -.1 | | | | | |
| 06S 40W 30DCC 01 | TO | 169.1 | -10 | -15.5 | -.2 | -.3 | -.7 | 167 | 157 | -6 |
| 06S 41W 01ABB 01 | TO | 161.6 | -12 | -5.0 | -1.8 | -.3 | -.2 | 146 | 134 | -8 |
| 06S 41W 19DBD 01 | TO | 185.7 | -24 | -16.1 | -.3 | -.6 | -.7 | 163 | 139 | -15 |
| 06S 41W 27DBD 01 | TO | 164.9 | -24 | -22.8 | -.5 | -.6 | -1.0 | 184 | 160 | -13 |
| 06S 42W 02AAA 01 | TO | 197.3 | -18 | -15.6 | 2.5 | -.5 | -.7 | 98 | 80 | -18 |
| 06S 42W 08CBB 01 | TO | 209.8 | -27 | -8.5 | 1.4 | -.7 | -.4 | 121 | 94 | -22 |
| 06S 42W 22DCC 01 | TO | 195.8 | -19 | -12.6 | -.4 | -.5 | -.6 | 138 | 119 | -14 |
| 06S 42W 30ADA 01 | TO | 203.5 | -28 | -19.9 | 1.4 | -.7 | -.9 | 133 | 106 | -20 |
| 07S 37W 04BBC 01 | TO | 137.6 | -16 | | 0.0 | -.4 | | 148 | 132 | -11 |
| 07S 37W 05CCB 01 | TO | 138.7 | -15 | -3.8 | 5.7 | -.4 | -.4 | 170 | 155 | -9 |
| 07S 38W 28DAA 01 | | 148.3 | | | -.5 | | | | | |
| 07S 39W 01DCD 01 | | 134.6 | | | -.9 | | | | | |
| 07S 39W 09BBB 01 | TO | 117.6 | -12 | -12.8 | -.3 | -.3 | -.6 | 189 | 177 | -6 |
| 07S 39W 24BAA 01 | TO | 148.5 | -12 | -14.6 | .2 | -.3 | -.7 | 163 | 152 | -7 |
| 07S 40W 06ADB 01 | TO | 168.3 | -16 | -18.9 | .1 | -.4 | -.9 | 191 | 175 | -8 |
| 07S 40W 29BBA 01 | TO | 141.7 | -21 | -20.2 | -.1 | -.6 | -.9 | 167 | 146 | -13 |
| 07S 40W 35BBB 01 | TO | 127.5 | -26 | -24.5 | -.1 | -.7 | -1.1 | 153 | 128 | -16 |
| 07S 40W 36BAB 01 | TO | 135.4 | -30 | -25.5 | -.5 | -.8 | -1.2 | 216 | 186 | -14 |
| 07S 41W 07BCB 01 | TO | 200.0 | -20 | -25.5 | -.5 | -.5 | -1.2 | 120 | 100 | -17 |
| 07S 41W 28DBB 01 | TO | 129.7 | -19 | -18.2 | -.4 | -.5 | -.8 | 169 | 150 | -11 |
| 07S 42W 07DAA 01 | TO | 189.1 | -26 | -24.7 | 2.8 | -.7 | -1.1 | 157 | 131 | -17 |
| 07S 42W 17CCC 01 | TO | 142.1 | -23 | -24.1 | -.2 | -.6 | -1.1 | 144 | 121 | -16 |
| 07S 42W 27AAB 01 | TO | 166.8 | -25 | -26.2 | .4 | -.7 | -1.2 | 179 | 154 | -14 |
| 08S 37W 03ADB 01 | TO | 158.7 | -33 | -15.1 | 1.2 | -.9 | -.7 | 147 | 114 | -22 |
| 08S 37W 21CCC 01 | TO | 141.1 | -21 | -19.9 | -.1 | -.6 | -.9 | 110 | 89 | -19 |
| 08S 37W 32ABB 01 | TO | 96.0 | -13 | -16.0 | .1 | -.3 | -.7 | 133 | 120 | -10 |
| 08S 38W 17CDD 01 | TO | 162.2 | -19 | -20.2 | -1.4 | -.5 | -.9 | 150 | 131 | -13 |
| 08S 38W 24AAB 01 | TO | 125.9 | -16 | -14.9 | -1.6 | -.4 | -.7 | 150 | 134 | -11 |
| 08S 39W 15CCC 01 | TO | 164.7 | -38 | -29.7 | -.9 | -1.0 | -1.4 | 145 | 107 | -26 |
| 08S 40W 12DBA 01 | TO | 166.1 | -46 | -33.1 | -.3 | -1.2 | -1.5 | 170 | 124 | -27 |
| 08S 40W 17CDB 01 | TO | 134.1 | -32 | -26.1 | -.2 | -.8 | -1.2 | 175 | 143 | -18 |
| 08S 40W 20CCC 01 | TO | 112.7 | -33 | -32.7 | .2 | -.9 | -1.5 | 197 | 164 | -17 |
| 08S 40W 25AAC 01 | TO | 182.9 | -50 | -24.9 | -.8 | -1.3 | -1.1 | 157 | 107 | -32 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, SHERMAN COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 08S 41W 17CBA 01 | TO | 149.7 | -21 | -20.7 | -.9 | -.6 | -.9 | 171 | 150 | -12 |
| 08S 41W 25BBC 01 | TO | 120.8 | -27 | -24.8 | -.3 | -.7 | -1.1 | 170 | 143 | -16 |
| 08S 42W 15DDB 01 | TO | 126.5 | -29 | -27.5 | .3 | -.8 | -1.3 | 176 | 148 | -16 |
| 08S 42W 31DCD 01 | TO | 81.7 | -32 | -23.7 | -.5 | -.8 | -1.1 | 157 | 125 | -20 |
| 09S 37W 07DCB 01 | | 93.7 | | | -.4 | | | | | |
| 09S 38W 13BCC 01 | TO | 80.5 | | | -1.1 | | | | | |
| 09S 39W 01DBA 01 | | 140.1 | | | -.4 | | | | | |
| 09S 39W 02BAB 01 | TO | 169.9 | -37 | | -1.2 | -1.0 | | 113 | 76 | -33 |
| 09S 39W 10CCB 01 | | 139.3 | | | 7.3 | | | | | |
| 09S 39W 19CCC 01 | TO | 135.4 | -30 | | -.9 | -.8 | | 140 | 110 | -21 |
| 09S 40W 13CDC 01 | TO | 159.4 | -36 | -34.4 | .4 | -.9 | -1.6 | 137 | 101 | -26 |
| 09S 40W 29BBB 01 | TO | 159.7 | -38 | -40.7 | -3.7 | -1.0 | -1.9 | 124 | 86 | -31 |
| 09S 41W 05DCC 01 | TO | 168.8 | -41 | -32.8 | .1 | -1.1 | -1.5 | 137 | 96 | -30 |
| 09S 41W 14BBC 01 | | 177.4 | -48 | | -1.3 | -1.3 | | | | |
| 09S 41W 28AAA 01 | TO | 174.3 | -50 | -40.3 | -.5 | -1.3 | -1.8 | 166 | 116 | -30 |
| 09S 41W 34BAB 01 | TO | 149.9 | -39 | -35.9 | -.4 | -1.0 | -1.6 | 179 | 140 | -22 |
| 09S 42W 08AAA 01 | TO | 157.3 | -37 | -26.3 | .3 | -1.0 | -1.2 | 151 | 114 | -25 |
| 09S 42W 14AAA 01 | TO | 165.7 | -50 | -34.7 | 1.1 | -1.3 | -1.6 | 175 | 125 | -29 |
| 09S 42W 29CBB 01 | | | | | | | | | | |
| 09S 42W 35ABB 01 | TO | 143.9 | -42 | -40.9 | 0.0 | -1.1 | -1.9 | 166 | 124 | -25 |
| 10S 37W 23ABB 01 | TO | 199.2 | -28 | -25.2 | 1.2 | -.7 | -1.1 | 118 | 90 | -24 |
| 10S 40W 10ADC 01 | QA,TO | 16.5 | -5 | -.5 | 1.9 | -.1 | | 56 | 52 | -7 |
| 10S 41W 15CAD 01 | TO,QA | | | | | | | | | |
| 10S 42W 20ABB 01 | | 113.9 | | | -.4 | | | | | |
| 10S 42W 21BBB 01 | TO | 111.8 | -39 | -25.8 | -1.0 | -1.0 | -1.2 | 150 | 111 | -26 |
| 10S 42W 24BAB 01 | TO | 102.8 | -30 | -18.8 | -.8 | -.8 | -.9 | 131 | 101 | -23 |




WATER–LEVEL CHANGE IN SHERMAN COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STAFFORD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21S 11W 07BBB 01 | | 1808. | 193 | 20 | | | | | 22.9 | | 17.9 | 15.7 |
| 21S 12W 10CDD 01 | QU | 1845. | 200 | 24 | 4.9 | 27.1 | 25.5 | 27.3 | 29.0 | 25.1 | | 22.6 |
| 21S 13W 05CBD 01 | QU | 1893. | | | | | | | | | | 27.8 |
| 21S 13W 27DDD 02 | QU | 1877. | 152 | 11 | .6 | 9.7 | 10.2 | 10.8 | 11.1 | 9.0 | 10.6 | 7.8 |
| 21S 14W 22AAC 01 | QU | 1926. | 196 | 16 | 4.8 | 18.8 | 20.1 | 21.0 | 22.7 | 22.3 | 22.9 | 21.1 |
| 21S 14W 32BAC 01 | QU | 1949. | 219 | 22 | 16.2 | 26.4 | 27.6 | 28.5 | 29.9 | 30.1 | 30.7 | 30.1 |
| 22S 11W 07BBB 01 | QU | 1785. | 54 | 10 | 3.3 | 4.9 | 4.7 | 4.8 | 4.9 | 4.5 | 4.6 | 4.5 |
| 22S 12W 05BBD 01 | QU | 1870. | 220 | 21 | 8.9 | 20.3 | 20.4 | 20.2 | 21.1 | 18.1 | 19.4 | 16.1 |
| 22S 12W 30BBD 01 | QU | 1872. | 162 | 13 | 7.0 | 16.2 | 17.0 | 17.4 | 17.7 | 15.7 | 16.2 | 14.1 |
| 22S 12W 36BBB 02 | QU | 1827. | 146 | | .7 | 3.8 | 4.4 | 5.0 | 4.6 | 3.0 | 3.8 | 3.2 |
| 22S 13W 05CBC 01 | QU | 1905. | 165 | 6 | 3.1 | 15.7 | 17.0 | 17.7 | 18.9 | 17.1 | 17.9 | 15.9 |
| 22S 13W 12CAC 01 | QU | 1885. | 180 | 20 | 8.6 | 20.2 | 21.0 | 21.1 | 22.2 | 19.5 | 20.4 | 17.4 |
| 22S 13W 29DAD 01 | QU | 1902. | 204 | 17 | 5.2 | 16.4 | 17.3 | 17.8 | 19.2 | 17.6 | 17.6 | 14.9 |
| 22S 14W 14CCA 01 | QU | 1930. | 200 | 12 | .8 | 19.3 | 20.9 | 21.8 | 23.9 | 21.3 | 22.0 | 19.8 |
| 22S 14W 35DDB 01 | QU | 1930. | 130 | 20 | 11.1 | 27.2 | 27.9 | 28.4 | 29.8 | 27.9 | 27.9 | 25.6 |
| 23S 11W 02BBB 01 | QU | 1789. | 125 | | 1.0 | 1.5 | 1.9 | 3.1 | 2.9 | 1.3 | 1.2 | 1.6 |
| 23S 11W 22BCC 01 | QU | 1802. | 172 | 5 | 17.4 | 21.8 | 22.2 | 22.8 | 23.0 | 21.4 | 21.8 | 20.6 |
| 23S 12W 07DBD 01 | QU | 1859. | 174 | 1 | .5 | 8.4 | 8.5 | 8.8 | 8.9 | 7.4 | 8.1 | 7.0 |
| 23S 12W 22BCC 01 | QU | 1853. | 163 | 4 | 5.4 | 13.8 | 15.0 | 15.2 | 14.9 | 12.1 | 13.2 | 11.5 |
| 23S 12W 36BBC 01 | QU | 1849. | 154 | 8 | 11.7 | 17.0 | 17.9 | 18.3 | 17.9 | 14.6 | 14.9 | 13.3 |
| 23S 13W 08CCB 01 | QU | 1895. | 120 | 8 | 4.4 | 11.5 | 12.5 | 13.0 | 13.6 | 12.2 | 12.4 | 10.5 |
| 23S 13W 30CBB 01 | QU | 1906. | 86 | 11 | 7.9 | 12.2 | 12.8 | 13.2 | 13.4 | 12.5 | 12.3 | 11.4 |
| 23S 13W 35CCA 01 | QU | 1897. | 150 | 19 | 7.3 | 18.6 | 19.9 | 20.2 | 20.6 | 19.3 | 18.7 | 17.5 |
| 23S 14W 15ADD 01 | QU | 1927. | 76 | 7 | 3.3 | 8.8 | 10.2 | 10.5 | 10.6 | 10.3 | 10.6 | 9.8 |
| 23S 14W 30BBB 01 | QU | 1988. | 168 | 24 | 34.4 | 38.8 | 40.4 | | 42.1 | 42.0 | 41.5 | 40.7 |
| 24S 11W 14CAB 01 | QU | 1813. | 156 | 24 | 30.0 | 31.7 | 32.9 | 33.5 | 34.2 | 33.8 | 32.8 | 29.3 |
| 24S 11W 17DDB 01 | QU | 1833. | 133 | 23 | 22.8 | 23.1 | 24.1 | 24.3 | 24.5 | 23.6 | 22.3 | 20.2 |
| 24S 12W 17CAB 01 | QU | 1893. | 144 | 22 | 16.8 | 26.8 | 28.5 | 28.4 | 27.8 | 24.6 | 24.7 | 22.8 |
| 24S 12W 34ABC 01 | QU | 1880. | 150 | 29 | 20.0 | 22.9 | 23.9 | 23.7 | 23.6 | 22.0 | 19.3 | 17.2 |
| 24S 13W 16ACA 01 | QU | 1915. | 137 | 18 | 8.6 | 20.5 | 21.6 | 21.6 | 21.9 | 20.6 | 20.2 | 19.0 |
| 24S 13W 20CDD 01 | | 1932. | | | | | | | | | 22.1 | 20.7 |
| 24S 13W 36DDD 01 | | 1907. | 155 | 21 | | 21.7 | 23.2 | 22.7 | 22.1 | 19.2 | 18.8 | 15.9 |
| 24S 14W 17AAC 01 | QU | 1982. | 132 | 27 | 21.7 | 29.4 | 30.6 | 30.5 | 33.2 | 30.8 | 30.9 | 30.1 |
| 24S 14W 31BBD 01 | QU | 1998. | 158 | 23 | 7.8 | 20.6 | 21.8 | 20.5 | 21.2 | 20.1 | 20.4 | 17.6 |
| 24S 15W 10BAB 01 | QU | 2024. | 114 | 24 | 14.6 | 26.1 | 27.8 | 27.8 | 28.9 | 29.0 | 29.4 | 28.3 |
| 24S 15W 32DBC 01 | QU | 2044. | 184 | 21 | 9.9 | 23.4 | 25.2 | 25.0 | 26.7 | 27.0 | 26.6 | 23.5 |
| 25S 11W 02ACB 01 | QU | 1770. | 90 | 10 | 10.3 | 11.4 | 11.8 | 11.8 | 11.7 | 11.4 | 11.0 | 10.4 |
| 25S 11W 23DDD 01 | QU | 1796. | 156 | 13 | 12.9 | 16.5 | 16.7 | 17.0 | 16.8 | 15.6 | 14.9 | 12.1 |
| 25S 12W 11AAA 01 | | 1846. | 81 | 16 | | | | | 17.0 | 13.0 | 11.2 | 9.9 |
| 25S 12W 24DDB 01 | QU | 1840. | 145 | 17 | 10.2 | 13.4 | 13.8 | 13.7 | 13.6 | 12.3 | 11.7 | 10.3 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STAFFORD COUNTY -- CONTINUED

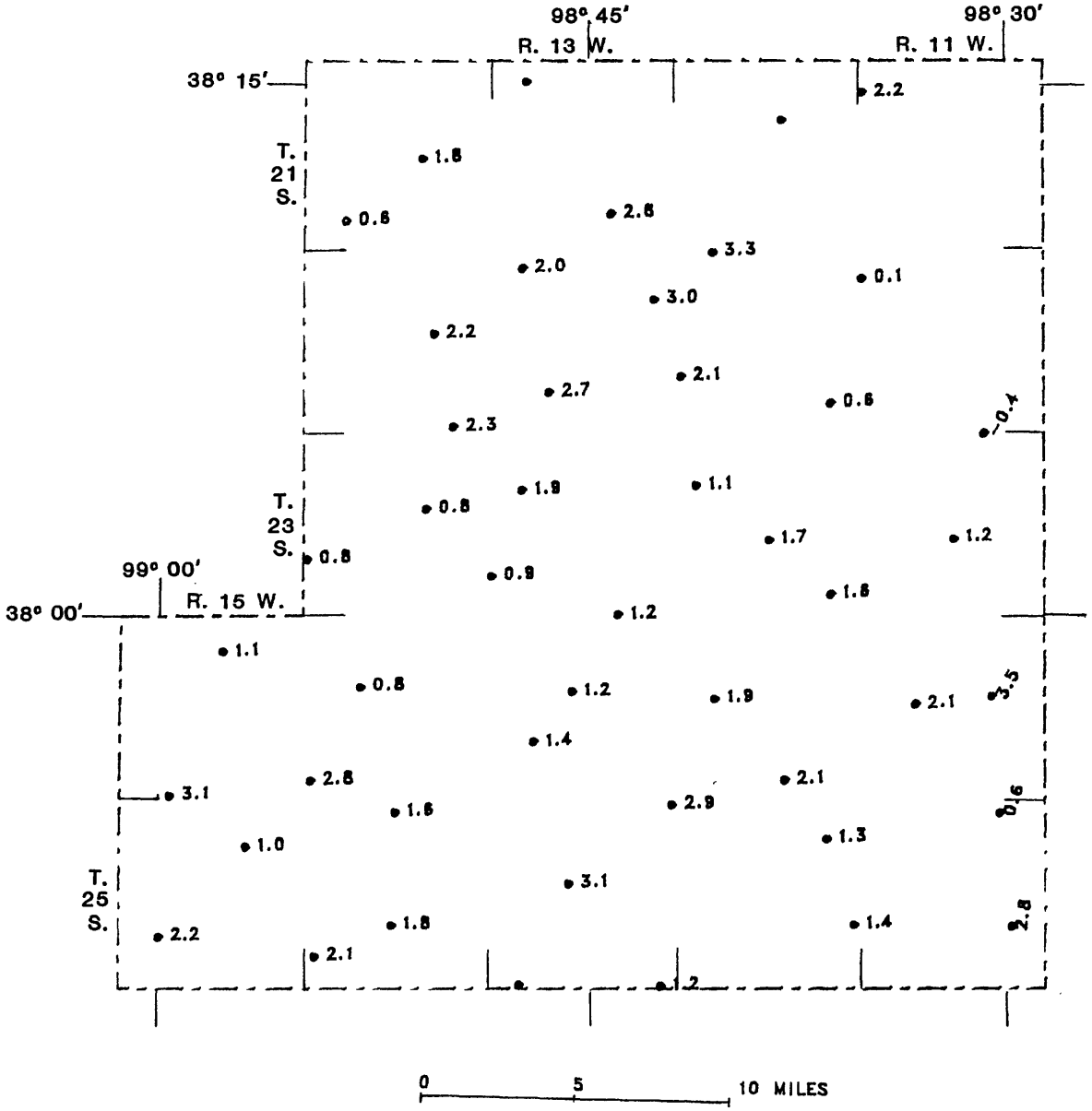
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1944 (FEET) | DEPTH TO WATER 1974 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25S 13W 16AAC 01 | | 1940. | 142 | 22 | | 28.1 | 28.8 | 27.2 | 27.9 | 23.2 | 23.3 | 20.2 |
| 25S 13W 31DDA 01 | | 1973. | 221 | 38 | | | | | 21.1 | 18.9 | 18.9 | |
| 25S 13W 36DCC 01 | | 1902. | 177 | 22 | | | | | 14.7 | | 9.7 | 8.5 |
| 25S 14W 04AAD 01 | QU | 1969. | 149 | 24 | 9.2 | 13.5 | 14.4 | 14.0 | 14.4 | 13.5 | 13.9 | 12.3 |
| 25S 14W 21DDB 01 | | 1980. | | | | | | | | | 12.2 | 10.4 |
| 25S 14W 30CDB 01 | QU | 2004. | 214 | 14 | 7.2 | 15.3 | 16.0 | 15.7 | 17.0 | 15.3 | 14.5 | 12.4 |
| 25S 15W 11BCB 01 | QU | 2020. | 174 | 16 | 11.7 | 14.5 | 16.0 | 17.4 | 18.6 | 19.7 | 21.1 | 20.1 |
| 25S 15W 29BBD 01 | QU | 2034. | 184 | 16 | 4.3 | 10.7 | 11.9 | 11.9 | 12.3 | 11.2 | 10.9 | 8.7 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STAFFORD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 21S 11W 07B8B 01 | | 15.7 | 4 | | 2.2 | .1 | | 173 | 177 | 2 |
| 21S 12W 10CDD 01 | QU | 22.6 | 1 | -17.7 | | | -1.3 | 176 | 177 | 1 |
| 21S 13W 05C3D 01 | QU | 27.8 | | | | | | | | |
| 21S 13W 27DCD 02 | QU | 7.8 | 3 | -7.2 | 2.8 | .1 | -.5 | 141 | 144 | 2 |
| 21S 14W 22AAC 01 | QU | 21.1 | -5 | -16.3 | 1.8 | -.1 | -1.2 | 180 | 175 | -3 |
| 21S 14W 32BAC 01 | QU | 30.1 | -8 | -13.9 | .6 | -.2 | -1.0 | 197 | 189 | -4 |
| 22S 11W 07BBB 01 | QU | 4.5 | 6 | -1.2 | .1 | .1 | -.1 | 44 | 50 | 14 |
| 22S 12W 05B8D 01 | QU | 16.1 | 5 | -7.2 | 3.3 | .1 | -.5 | 199 | 204 | 3 |
| 22S 12W 30B8D 01 | QU | 14.1 | -1 | -7.1 | 2.1 | | -.5 | 149 | 148 | -1 |
| 22S 12W 36B8B 02 | QU | 3.2 | | -2.5 | .6 | | -.2 | | 143 | |
| 22S 13W 05C3C 01 | QU | 15.9 | -10 | -12.8 | 2.0 | -.2 | -.9 | 159 | 149 | -6 |
| 22S 13W 12CAC 01 | QU | 17.4 | 3 | -8.8 | 3.0 | .1 | -.6 | 160 | 163 | 2 |
| 22S 13W 29DAD 01 | QU | 14.9 | 2 | -9.7 | 2.7 | | -.7 | 187 | 189 | 1 |
| 22S 14W 14CCA 01 | QU | 19.8 | -8 | -19.0 | 2.2 | -.2 | -1.4 | 188 | 180 | -4 |
| 22S 14W 35DDB 01 | QU | 25.6 | -6 | -14.5 | 2.3 | -.1 | -1.0 | 110 | 104 | -5 |
| 23S 11W 02B8B 01 | QU | 1.6 | | -.6 | -.4 | | | | 123 | |
| 23S 11W 22BCC 01 | QU | 20.6 | -16 | -3.2 | 1.2 | -.4 | -.2 | 167 | 151 | -10 |
| 23S 12W 07D8D 01 | QU | 7.0 | -6 | -6.5 | 1.1 | -.1 | -.5 | 173 | 167 | -3 |
| 23S 12W 22BCC 01 | QU | 11.5 | -8 | -6.1 | 1.7 | -.2 | -.4 | 159 | 152 | -4 |
| 23S 12W 36B8C 01 | QU | 13.3 | -5 | -1.6 | 1.6 | -.1 | -.1 | 146 | 141 | -3 |
| 23S 13W 08CCB 01 | QU | 10.5 | -3 | -6.0 | 1.9 | -.1 | -.4 | 112 | 110 | -2 |
| 23S 13W 30C8B 01 | QU | 11.4 | | -3.5 | .9 | | -.3 | 75 | 75 | |
| 23S 13W 35CCA 01 | QU | 17.5 | 2 | -10.2 | 1.2 | | -.7 | 131 | 133 | 2 |
| 23S 14W 15ADD 01 | QU | 9.8 | -3 | -6.5 | .8 | -.1 | -.5 | 69 | 66 | -4 |
| 23S 14W 30B8B 01 | QU | 40.7 | -17 | -6.3 | .8 | -.4 | -.5 | 144 | 127 | -12 |
| 24S 11W 14CAB 01 | QU | 29.3 | -5 | .7 | 3.5 | -.1 | .1 | 132 | 127 | -4 |
| 24S 11W 17DCB 01 | QU | 20.2 | 3 | 2.6 | 2.1 | .1 | .2 | 110 | 113 | 3 |
| 24S 12W 17CAB 01 | QU | 22.8 | -1 | -6.0 | 1.9 | | -.4 | 122 | 121 | -1 |
| 24S 12W 34ABC 01 | QU | 17.2 | 12 | 2.8 | 2.1 | .3 | .2 | 121 | 133 | 10 |
| 24S 13W 16ACA 01 | QU | 19.0 | -1 | -10.4 | 1.2 | | -.7 | 119 | 118 | -1 |
| 24S 13W 20CDD 01 | | 20.7 | | | 1.4 | | | | | |
| 24S 13W 36DDD 01 | | 15.9 | 5 | | 2.9 | .1 | | 134 | 139 | 4 |
| 24S 14W 17AAC 01 | QU | 30.1 | -3 | -8.4 | .8 | -.1 | -.6 | 105 | 102 | -3 |
| 24S 14W 31B8D 01 | QU | 17.6 | 5 | -9.8 | 2.8 | .1 | -.7 | 135 | 140 | 4 |
| 24S 15W 10BAB 01 | QU | 28.3 | -4 | -13.7 | 1.1 | -.1 | -1.0 | 90 | 86 | -4 |
| 24S 15W 32D8C 01 | QU | 23.5 | -3 | -13.6 | 3.1 | -.1 | -1.0 | 163 | 161 | -1 |
| 25S 11W 02AC3 01 | QU | 10.4 | | -.1 | .6 | | | 80 | 80 | |
| 25S 11W 23DCD 01 | QU | 12.1 | 1 | .8 | 2.8 | | .1 | 143 | 144 | 1 |
| 25S 12W 11AAA 01 | | 9.9 | 6 | | 1.3 | .1 | | 65 | 71 | 9 |
| 25S 12W 24DDB 01 | QU | 10.3 | 7 | -.1 | 1.4 | .2 | | 128 | 135 | 5 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STAFFORD COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 25S 13W 16AAC 01 | | 20.2 | 2 | | 3.1 | | | 120 | 122 | 2 |
| 25S 13W 31DDA 01 | | | | | | | | | | |
| 25S 13W 36DCC 01 | | 8.5 | 14 | | 1.2 | .3 | | 155 | 169 | 9 |
| 25S 14W 04AAD 01 | QU | 12.3 | 12 | -3.1 | 1.6 | .3 | -.2 | 125 | 137 | 10 |
| 25S 14W 21DD8 01 | | 10.4 | | | 1.8 | | | | | |
| 25S 14W 30CDB 01 | QU | 12.4 | 2 | -5.2 | 2.1 | | -.4 | 200 | 202 | 1 |
| 25S 15W 11BCB 01 | QU | 20.1 | -4 | -8.4 | 1.0 | -.1 | -.6 | 158 | 154 | -3 |
| 25S 15W 29B8D 01 | QU | 8.7 | 7 | -4.4 | 2.2 | .2 | -.3 | 168 | 175 | 4 |




WATER–LEVEL CHANGE IN STAFFORD COUNTY, 1987–88

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STANTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27S 39W 02BBB 01 | QU,TO | 3217. | 97 | 88 | 88.1 | 85.6 | 85.5 | 85.8 | 85.6 | 85.5 | 87.5 | |
| 27S 39W 27BBA 01 | QU,TO | 3175. | 395 | 68 | 102.2 | 189.9 | 189.3 | 181.9 | | | 181.0 | 176.4 |
| 27S 40W 07ABB 01 | | 3273. | 228 | 63 | | | | | 70.7 | | 106.8 | 119.1 |
| 27S 40W 16CCC 01 | | 3259. | | | | | | | | 101.2 | 107.1 | 115.3 |
| 27S 40W 25CBC 01 | QU,TO | 3228. | 328 | 73 | 85.8 | 163.3 | 174.1 | 178.0 | 156.3 | 165.0 | 169.2 | 166.0 |
| 27S 41W 31CCB 02 | QU,TO | 3402. | 308 | 156 | 167.6 | 235.1 | 244.2 | 248.4 | 248.2 | 248.7 | 243.3 | |
| 27S 41W 35CCC 01 | QU,TO,KJ | 3340. | | | 135.0 | 166.4 | 165.3 | 167.8 | 168.8 | 169.3 | 172.5 | 174.8 |
| 27S 42W 11DBD 01 | QU,TO | 3409. | 250 | 120 | 116.0 | 166.2 | | 174.6 | | | | |
| 27S 42W 17CCC 01 | | 3496. | | | | | | | | 237.7 | 226.3 | 229.2 |
| 27S 42W 31CCC 01 | QU,TO,KJ | 3537. | 292 | 167 | 193.2 | 236.3 | 240.6 | 235.7 | 239.6 | 238.1 | 240.5 | 241.4 |
| 27S 43W 02BBD 01 | | 3544. | 319 | 166 | | | | | 226.0 | 228.1 | 232.2 | |
| 28S 39W 14BBC 01 | QU,TO,KJ | 3158. | 408 | 53 | 97.1 | 136.5 | 139.5 | 141.5 | | 144.9 | 146.0 | 146.6 |
| 28S 39W 16CCC 01 | | 3171. | 391 | 49 | | | | | 149.7 | 149.7 | 157.6 | 162.8 |
| 28S 39W 33ACC 01 | QU,TO | 3201. | 428 | 82 | 120.1 | 176.6 | 183.8 | 179.7 | 178.0 | 181.0 | 186.3 | 185.2 |
| 28S 39W 36ABB 01 | QU,TO | 3145. | 412 | 57 | 100.3 | 189.4 | 195.2 | 181.0 | 179.7 | | 189.5 | 191.6 |
| 28S 40W 04CCC 01 | QU,TO | 3289. | 354 | 110 | 115.6 | 191.8 | 197.5 | 194.6 | 194.6 | 194.1 | | 214.2 |
| 28S 40W 12DDD 02 | QU,TO | 3225. | 385 | 83 | 107.4 | 202.3 | 202.8 | 202.7 | 199.9 | 211.0 | 207.7 | 210.2 |
| 28S 40W 23ACC 01 | QU,TO | 3254. | 404 | 103 | 120.2 | 170.9 | 173.1 | 172.2 | 179.2 | 181.5 | | 183.8 |
| 28S 40W 32CCB 01 | QU,TO | 3320. | 446 | 158 | 172.5 | 249.6 | 252.8 | 237.7 | 237.8 | 237.1 | | |
| 28S 41W 02CCC 01 | | 3343. | 343 | 141 | | | | | 235.2 | 234.9 | 236.2 | 238.3 |
| 28S 41W 19CBB 01 | | 3433. | 333 | 183 | | | | | 224.4 | 224.0 | | |
| 28S 41W 31BDD 01 | QU,TO | 3414. | 280 | 155 | 146.0 | 168.9 | 172.3 | 173.5 | | 172.3 | 169.0 | 173.2 |
| 28S 42W 08CCC 01 | QU,TO | 3539. | 300 | 199 | 233.9 | 256.8 | 260.7 | 261.5 | 256.7 | 260.9 | 259.0 | 259.9 |
| 28S 42W 20BCC 01 | | 3553. | | | | | | | | 251.0 | 250.0 | 250.5 |
| 28S 42W 32BBB 01 | KJ | 3540. | | | 215.9 | 226.2 | 232.0 | 236.6 | 233.0 | 229.9 | 228.6 | 233.7 |
| 29S 39W 17BCB 01 | QU,TO | 3239. | 456 | 108 | 128.2 | | | | 228.0 | 220.2 | 218.1 | 235.6 |
| 29S 39W 21DBD 01 | QU,TO | 3183. | 413 | 62 | 82.6 | | 160.0 | 162.4 | 166.4 | 174.1 | 179.4 | 181.8 |
| 29S 39W 24DDA 01 | QU,TO | 3154. | 449 | 62 | 80.0 | | 147.1 | 150.7 | 154.6 | 157.0 | 149.9 | |
| 29S 40W 28ABB 01 | | 3282. | 422 | 132 | | | | | 219.0 | 223.5 | 227.6 | 230.8 |
| 29S 41W 13ACC 01 | QU,TO | 3344. | 400 | 176 | 192.6 | | 254.5 | 257.0 | 258.5 | 262.2 | 267.1 | 266.5 |
| 29S 41W 31CBD 01 | KJ | 3477. | | | 236.5 | 237.2 | 238.0 | 240.9 | 237.9 | 238.7 | 262.2 | |
| 29S 42W 08CDC 01 | KJ | 3517. | | | 186.9 | 195.1 | 196.5 | 197.9 | 193.6 | 195.9 | 192.7 | 189.3 |
| 29S 42W 24CCC 01 | QU,TO,KJ | 3484. | | | 221.2 | 203.4 | 202.4 | 205.8 | 205.2 | 199.8 | 206.3 | 205.1 |
| 29S 43W 33CDB 01 | KJ | 3654. | | | 119.8 | 115.6 | 117.8 | 116.8 | | 117.2 | 115.8 | 117.0 |
| 30S 39W 18BBB 01 | QU,TO,KJ | 3238. | | | 121.2 | 211.8 | | 190.2 | | 201.1 | 205.9 | 208.0 |
| 30S 39W 23BBB 01 | QU,TO | 3179. | 404 | 72 | 89.5 | 155.6 | 170.1 | 163.9 | 173.0 | 167.7 | 167.7 | 167.6 |
| 30S 40W 12BBB 01 | | 3274. | 434 | 138 | | | | | 225.2 | 232.6 | 240.3 | 241.4 |
| 30S 40W 24CDC 01 | QU,TO,KJ | 3237. | | | 115.3 | 198.2 | 178.6 | 158.6 | 161.7 | 166.0 | 167.1 | 168.8 |
| 30S 40W 33CCB 01 | KJ | 3309. | | | 164.3 | | 187.3 | 181.2 | 184.4 | 185.3 | 186.2 | 186.8 |
| 30S 41W 13CCC 02 | | | | | | 189.6 | | 198.4 | 198.3 | | 201.7 | 208.0 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STANTON COUNTY -- CONTINUED

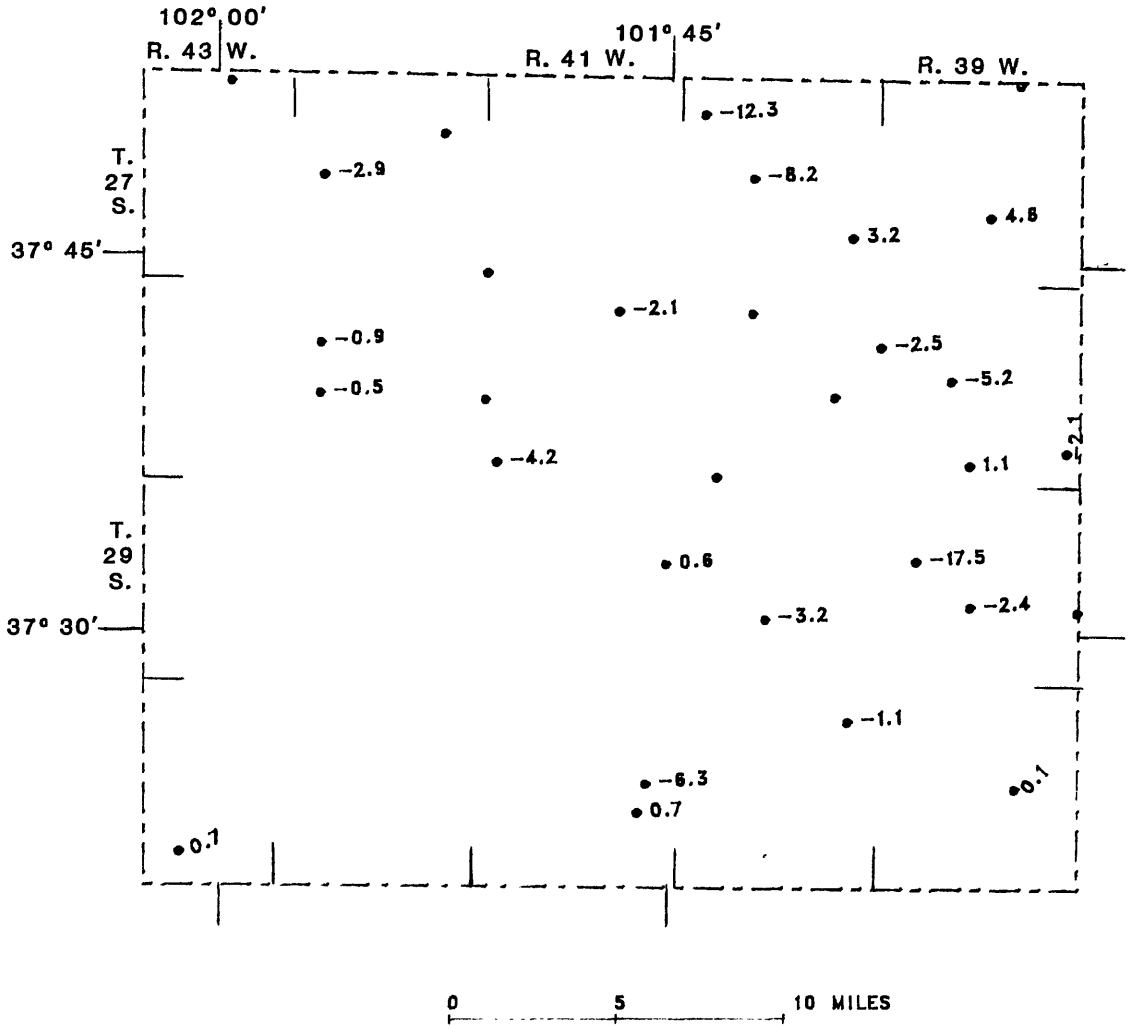
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TC WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30S 41W 23DDB 01 | | 3365. | 205 | 178 | | | | | 189.8 | 190.8 | 190.9 | 190.2 |
| 30S 42W 12ACC 01 | KJ | 3457. | | | 188.0 | 191.9 | 192.2 | 193.9 | 195.5 | 192.3 | 192.0 | 193.4 |
| 30S 42W 16BDB 01 | KJ | 3524. | | | 187.8 | | 193.6 | 183.3 | 179.6 | 181.0 | 176.5 | 174.8 |
| 30S 43W 34BBB 01 | QU,TC | 3622. | 103 | 42 | 66.3 | 83.5 | 81.6 | 81.7 | 81.0 | 74.7 | 74.4 | 73.7 |
| 30S 43W 36BB 01 | QU,TC,KJ | 3595. | | | 71.6 | 74.9 | 75.3 | 74.7 | 76.1 | | 79.4 | |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STANTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 27S 39W 02BBB 01 | QU,TO | | | | | | | | | |
| 27S 39W 27BBA 01 | QU,TO | 176.4 | -108 | -74.1 | 4.6 | -2.3 | -3.4 | 327 | 219 | -33 |
| 27S 40W 07ABB 01 | | 119.1 | -56 | | -12.3 | -1.2 | | 165 | 109 | -34 |
| 27S 40W 16CCC 01 | | 115.3 | | | -8.2 | | | | | |
| 27S 40W 25CBC 01 | QU,TO | 166.0 | -93 | -80.2 | 3.2 | -1.9 | -3.6 | 255 | 162 | -36 |
| 27S 41W 31CCB 02 | QU,TO | | | | | | | | | |
| 27S 41W 35CCC 01 | QU,TO,KJ | 174.8 | | -39.8 | -2.3 | | -1.8 | | | |
| 27S 42W 11DBD 01 | QU,TO | | | | | | | | | |
| 27S 42W 17CCC 01 | | 229.2 | | | -2.9 | | | | | |
| 27S 42W 31CCC 01 | QU,TO,KJ | 241.4 | -74 | -48.2 | -.9 | -1.5 | -2.2 | | | |
| 27S 43W 02BBD 01 | | | | | | | | | | |
| 28S 39W 14BBC 01 | QU,TO,KJ | 146.6 | -94 | -49.5 | -.6 | -2.0 | -2.3 | | | |
| 28S 39W 16CCC 01 | | 162.8 | -114 | | -5.2 | -2.4 | | 342 | 229 | -33 |
| 28S 39W 33ACC 01 | QU,TO | 135.2 | -103 | -65.1 | 1.1 | -2.1 | -3.0 | 346 | 243 | -30 |
| 28S 39W 36ABB 01 | QU,TO | 191.6 | -135 | -91.3 | -2.1 | -2.8 | -4.2 | 355 | 220 | -38 |
| 28S 40W 04CCC 01 | QU,TO | 214.2 | -104 | -98.6 | | -2.2 | -4.5 | 244 | 140 | -43 |
| 28S 40W 12DDD 02 | QU,TO | 210.2 | -127 | -102.7 | -2.5 | -2.6 | -4.7 | 302 | 175 | -42 |
| 28S 40W 23ACC 01 | QU,TO | 183.8 | -81 | -63.6 | | -1.7 | -2.9 | 301 | 220 | -27 |
| 28S 40W 32CCB 01 | QU,TO | | | | | | | | | |
| 28S 41W 02CCC 01 | | 238.3 | -97 | | -2.1 | -2.0 | | 202 | 105 | -48 |
| 28S 41W 19CBB 01 | | | | | | | | | | |
| 28S 41W 31BDD 01 | QU,TO | 173.2 | -18 | -27.2 | -4.2 | -.4 | -1.2 | 125 | 107 | -14 |
| 28S 42W 08CCC 01 | QU,TO | 259.9 | -61 | -26.0 | -.9 | -1.3 | -1.2 | 101 | 40 | -60 |
| 28S 42W 20BCC 01 | | 250.5 | | | -.5 | | | | | |
| 28S 42W 32BBB 01 | KJ | 233.7 | | -17.8 | -5.1 | | -.8 | | | |
| 29S 39W 17BCB 01 | QU,TO | 235.6 | -128 | -107.3 | -17.5 | -2.7 | -4.9 | 348 | 220 | -37 |
| 29S 39W 21DBD 01 | QU,TO | 181.8 | -120 | -99.1 | -2.4 | -2.5 | -4.5 | 351 | 231 | -34 |
| 29S 39W 24DDA 01 | QU,TO | | | | | | | | | |
| 29S 40W 28ABB 01 | | 230.8 | -99 | | -3.2 | -2.1 | | 290 | 191 | -34 |
| 29S 41W 13ACC 01 | QU,TO | 266.5 | -91 | -73.8 | .6 | -1.9 | -3.4 | 224 | 134 | -40 |
| 29S 41W 31CBD 01 | KJ | | | | | | | | | |
| 29S 42W 08CDC 01 | KJ | 189.3 | | -2.3 | 3.4 | | -.1 | | | |
| 29S 42W 24CCC 01 | QU,TO,KJ | 205.1 | | 16.2 | 1.2 | | .7 | | | |
| 29S 43W 33CDB 01 | KJ | 117.0 | | 2.8 | -1.2 | | .1 | | | |
| 30S 39W 18BBB 01 | QU,TO,KJ | 208.0 | | -36.8 | -2.1 | | -3.9 | | | |
| 30S 39W 23BBB 01 | QU,TO | 167.6 | -96 | -78.1 | .1 | -2.0 | -3.6 | 332 | 236 | -29 |
| 30S 40W 12BBB 01 | | 241.4 | -103 | | -1.1 | -2.1 | | 296 | 193 | -35 |
| 30S 40W 24CDC 01 | QU,TO,KJ | 168.8 | | -53.5 | -1.7 | | -2.4 | | | |
| 30S 40W 33CCB 01 | KJ | 186.8 | | -22.4 | -.6 | | -1.0 | | | |
| 30S 41W 13CCC 02 | | 208.0 | | | -6.3 | | | | | |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STANTON COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 30S 41W 23DCB 01 | | 190.2 | -12 | | .7 | -.3 | | 27 | 15 | -44 |
| 30S 42W 12ACC 01 | KJ | 193.4 | | -5.3 | -1.4 | | -.2 | | | |
| 30S 42W 16BDB 01 | KJ | 174.8 | | 13.0 | 1.7 | | .6 | | | |
| 30S 43W 34BBB 01 | QU,TO | 73.7 | -32 | -7.3 | .7 | -.7 | -.3 | 61 | 29 | -52 |
| 30S 43W 36BB 01 | QU,TO,KJ | | | | | | | | | |




WATER–LEVEL CHANGE IN STANTON COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, STEVENS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31S 35W 15BAA 01 | QU,TC | 3009. | 449 | 224 | 236.4 | 275.6 | 278.5 | 282.8 | 285.8 | 288.5 | 289.4 | 290.3 |
| 31S 35W 19CCC 01 | QU,TC | 3039. | 490 | 174 | 187.3 | 221.4 | 222.7 | 223.5 | 224.6 | 226.0 | 227.0 | 225.3 |
| 31S 35W 26DCC 01 | QU,TC | 2988. | 447 | 213 | 230.2 | | 277.3 | | 281.4 | 285.6 | 286.1 | 287.5 |
| 31S 36W 02CDD 01 | QU,TC | 3019. | 365 | 139 | 155.8 | 179.7 | 174.1 | 182.7 | 182.1 | 184.0 | 180.6 | 182.7 |
| 31S 36W 27BCB 01 | QU,TC | 3071. | 461 | 136 | 137.3 | 175.8 | 180.4 | 183.9 | 182.8 | | | 184.6 |
| 31S 37W 09BCC 01 | QU,TC | 3103. | 403 | 108 | 130.1 | 191.6 | 194.1 | 198.0 | | 204.3 | | |
| 31S 37W 22BCC 01 | QU,TC | 3096. | 440 | 106 | 128.3 | 183.0 | 185.7 | | 192.0 | 193.1 | 197.4 | 202.1 |
| 31S 37W 30DDB 01 | | 3138. | 498 | 123 | | | | | 201.0 | 216.9 | 219.8 | 218.9 |
| 31S 38W 17CDA 01 | QU,TC | 3170. | 380 | 110 | 131.0 | 170.2 | 171.1 | 174.4 | | | | 183.5 |
| 31S 39W 23BBB 01 | QU,TC | 3199. | 259 | 98 | 116.9 | | | | 163.8 | | 163.4 | |
| 32S 35W 08DDD 01 | QU,TC | 3012. | 502 | 130 | | 154.1 | 158.0 | 160.3 | 161.0 | 161.6 | 167.3 | 166.6 |
| 32S 36W 21AAC 01 | | 3067. | 467 | 125 | | | | | 187.5 | 183.7 | 189.1 | 191.0 |
| 32S 36W 27DDD 01 | | 3041. | | 109 | | 162.0 | 149.9 | 153.0 | 149.7 | 151.3 | | 152.6 |
| 32S 37W 10DCC 01 | QU,TC | 3120. | 540 | 127 | 136.4 | 158.4 | 162.4 | 166.4 | 166.5 | 167.3 | | 167.6 |
| 32S 37W 26BAC 01 | | 3118. | | 124 | | | 116.3 | 120.2 | 120.5 | 119.6 | 117.5 | 121.4 |
| 32S 38W 11ADA 01 | QU,TC | 3159. | 529 | 118 | 114.1 | 125.2 | 126.7 | 128.3 | 129.9 | 131.4 | 132.9 | 134.6 |
| 32S 38W 23BDD 01 | QU,TC | 3175. | 505 | 116 | 106.2 | 126.0 | 127.8 | 128.3 | 129.2 | 131.0 | 133.8 | 133.2 |
| 32S 39W 02BBB 01 | QU,TC | 3216. | 296 | 96 | 132.9 | 207.8 | 208.6 | 208.5 | 206.5 | 189.9 | 195.7 | 200.5 |
| 32S 39W 14DDD 01 | | 3202. | | | | | | | 64.5 | 66.0 | 64.7 | 65.3 |
| 33S 35W 23CBB 01 | | 2968. | | 104 | | 120.6 | 124.6 | 129.4 | 124.7 | 125.0 | 133.0 | 132.5 |
| 33S 36W 03ACA 01 | | 3027. | | 90 | | | 121.7 | 122.4 | 121.2 | 121.8 | | 120.8 |
| 33S 36W 26DDD 01 | QU,TC | 3032. | 422 | 121 | 118.7 | 141.8 | 148.4 | 150.1 | 144.3 | 146.7 | 151.9 | 151.2 |
| 33S 37W 17CCC 01 | QU,TC | 3124. | 554 | 83 | 89.3 | 95.7 | 94.4 | 98.4 | 97.6 | 98.4 | 100.1 | 103.3 |
| 33S 37W 23CDB 01 | QU,TC | 3092. | 562 | 87 | 83.8 | 95.6 | 96.5 | 95.3 | 95.9 | 96.0 | 96.6 | 96.1 |
| 33S 38W 06AAB 01 | QU,TC | 3203. | 378 | 93 | 94.6 | 91.4 | 92.8 | 95.7 | 95.5 | 92.1 | 92.3 | 96.0 |
| 33S 38W 10ACC 01 | QU,TC | 3166. | 466 | 101 | 107.7 | 129.1 | 134.8 | 142.2 | 142.0 | 138.6 | 140.9 | 140.6 |
| 33S 38W 20DAD 01 | | | | | | | | 164.3 | 147.3 | 149.8 | 152.5 | 153.2 |
| 34S 35W 03DCC 01 | | 2981. | | 108 | | 130.5 | 136.7 | 136.7 | 134.6 | 137.2 | 139.5 | 140.5 |
| 34S 35W 07CBB 01 | | 3014. | | | | | 161.8 | 162.8 | 157.6 | 161.7 | 160.2 | 161.1 |
| 34S 35W 26ACC 01 | | 2977. | | 112 | | 117.5 | 118.6 | 128.0 | 121.0 | 123.6 | 128.5 | 128.7 |
| 34S 36W 10CAC 01 | | 3065. | | 135 | | 140.7 | 144.1 | 146.5 | 147.7 | 150.9 | 154.1 | 155.4 |
| 34S 36W 21DBD 01 | | 3079. | | 144 | | | | | 156.8 | 158.2 | 161.2 | 161.9 |
| 34S 37W 08DAC 01 | QU,TC | 3162. | 642 | 133 | 113.0 | 124.1 | 125.8 | 127.4 | 126.0 | 127.6 | 131.7 | 133.0 |
| 34S 37W 27ABC 01 | QU,TC | 3132. | 532 | 125 | 105.8 | 112.1 | 116.9 | 115.7 | 116.2 | 120.2 | 122.8 | 124.3 |
| 34S 37W 29BBD 01 | | 3170. | 550 | 138 | | | | | 155.0 | 153.5 | 156.0 | 155.6 |
| 34S 37W 35AAD 01 | | 3111. | 666 | 129 | | | | | 123.6 | 122.2 | 124.5 | 122.9 |
| 34S 38W 02CAC 01 | QU,TC | 3197. | 577 | 139 | 136.0 | 161.2 | 155.3 | 154.6 | | | | |
| 34S 38W 34CAA 01 | | 3194. | | | | | | | 153.3 | 154.7 | 157.4 | |
| 34S 39W 02CCA 01 | QU,TC | 3248. | 533 | 118 | 108.3 | 101.2 | 99.9 | 102.5 | 100.5 | 99.9 | 100.1 | 99.8 |
| 34S 39W 15CAD 01 | QU,TC | 3280. | 510 | 141 | 141.7 | 136.1 | 137.0 | 139.2 | 135.9 | 136.7 | 137.0 | 141.2 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, STEVENS COUNTY -- CONTINUED

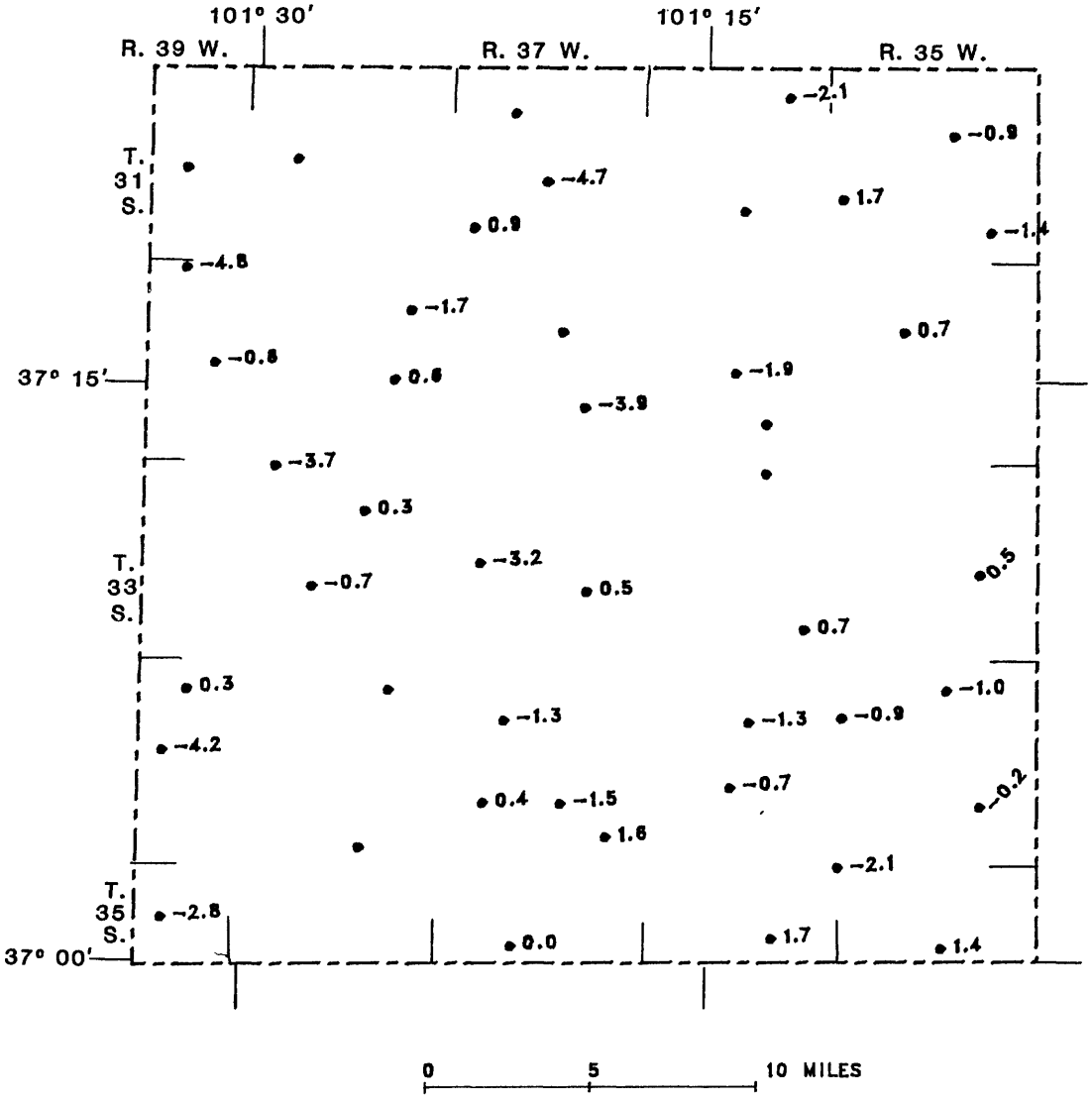
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1940 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35S 35W 15BCC 01 | | 2978. | 618 | 107 | | | | | 107.0 | 108.3 | 112.8 | 111.4 |
| 35S 36W 01AAA 01 | QU,TC | 3022. | 590 | 120 | | 114.2 | 119.9 | 122.2 | 120.0 | 121.1 | 125.6 | 127.7 |
| 35S 36W 15AAD 01 | | 3025. | | 93 | | | | | 103.9 | 104.8 | 107.1 | 105.4 |
| 35S 37W 16BCC 01 | | 3138. | | | | | | | | 128.3 | 131.6 | 131.6 |
| 35S 39W 10CAD 01 | QU,TC | 3302. | 502 | 183 | 188.0 | 193.4 | 199.2 | 202.3 | 191.0 | 191.8 | 195.5 | 198.3 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, STEVENS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 31S 35W 15BAA 01 | QU,TO | 290.3 | -66 | -53.9 | -.9 | -1.4 | -2.5 | 225 | 159 | -29 |
| 31S 35W 19CCC 01 | QU,TO | 225.3 | -51 | -38.0 | 1.7 | -1.1 | -1.7 | 316 | 265 | -16 |
| 31S 35W 26DCC 01 | QU,TO | 287.5 | -75 | -57.3 | -1.4 | -1.6 | -2.6 | 234 | 160 | -32 |
| 31S 36W 02CDD 01 | QU,TO | 182.7 | -44 | -26.8 | -2.1 | -.9 | -1.2 | 226 | 182 | -19 |
| 31S 36W 27BCB 01 | QU,TO | 184.6 | -49 | -47.3 | | -1.0 | -2.2 | 325 | 276 | -15 |
| 31S 37W 09BCC 01 | QU,TO | | | | | | | | | |
| 31S 37W 22BCC 01 | QU,TO | 202.1 | -96 | -73.8 | -4.7 | -2.0 | -3.4 | 334 | 312 | -7 |
| 31S 37W 30DDB 01 | | 218.9 | -96 | | .9 | -2.0 | | 375 | 279 | -26 |
| 31S 38W 17CDA 01 | QU,TO | 183.5 | -74 | -52.5 | | -1.5 | -2.4 | 270 | 197 | -27 |
| 31S 39W 23B3B 01 | QU,TO | | | | | | | | | |
| 32S 35W 08DDD 01 | QU,TO | 166.6 | -37 | | .7 | -.8 | | 372 | 335 | -10 |
| 32S 36W 21AAC 01 | | 191.0 | -66 | | -1.9 | -1.4 | | 342 | 276 | -19 |
| 32S 36W 27DCD 01 | | 152.6 | -44 | | | -.9 | | | | |
| 32S 37W 10DCC 01 | QU,TO | 167.6 | -41 | -31.2 | | -.9 | -1.4 | 413 | 372 | -10 |
| 32S 37W 26BAC 01 | | 121.4 | 3 | | -3.9 | .1 | | | | |
| 32S 38W 11ACA 01 | QU,TO | 134.6 | -17 | -20.5 | -1.7 | -.4 | -.9 | 411 | 394 | -4 |
| 32S 38W 23BCD 01 | QU,TO | 133.2 | -17 | -27.0 | .6 | -.4 | -1.2 | 389 | 372 | -4 |
| 32S 39W 02BBB 01 | QU,TO | 200.5 | -105 | -67.6 | -4.8 | -2.2 | -3.1 | 200 | 96 | -52 |
| 32S 39W 14DDD 01 | | 65.3 | | | -.6 | | | | | |
| 33S 35W 23C8B 01 | | 132.5 | -29 | | .5 | -.6 | | | | |
| 33S 36W 03ACA 01 | | 120.8 | -31 | | | -.6 | | | | |
| 33S 36W 26DDD 01 | QU,TO | 151.2 | -30 | -32.5 | .7 | -.6 | -1.5 | 301 | 271 | -10 |
| 33S 37W 17CCC 01 | QU,TO | 103.3 | -20 | -14.0 | -3.2 | -.4 | -.6 | 471 | 451 | -4 |
| 33S 37W 23CDB 01 | QU,TO | 96.1 | -9 | -12.3 | .5 | -.2 | -.6 | 475 | 466 | -2 |
| 33S 38W 06AAB 01 | QU,TO | 96.0 | -3 | -1.3 | -3.7 | -.1 | -.1 | 285 | 282 | -1 |
| 33S 38W 10ACC 01 | QU,TO | 140.6 | -40 | -32.8 | .3 | -.8 | -1.5 | 365 | 325 | -11 |
| 33S 38W 20DAD 01 | | 153.2 | | | -.7 | | | | | |
| 34S 35W 03DCC 01 | | 140.5 | -33 | | -1.0 | -.7 | | | | |
| 34S 35W 07C8B 01 | | 161.1 | | | -.9 | | | | | |
| 34S 35W 26ACC 01 | | 128.7 | -17 | | -.2 | -.4 | | | | |
| 34S 36W 10CAC 01 | | 155.4 | -20 | | -1.3 | -.4 | | | | |
| 34S 36W 21D8D 01 | | 161.9 | -18 | | -.7 | -.4 | | | | |
| 34S 37W 08DAC 01 | QU,TO | 133.0 | | -20.0 | -1.3 | | -.9 | 509 | 509 | |
| 34S 37W 27A8C 01 | QU,TO | 124.3 | 1 | -18.5 | -1.5 | | -.8 | 407 | 408 | |
| 34S 37W 29B8D 01 | | 155.6 | -13 | | .4 | -.4 | | 412 | 394 | -4 |
| 34S 37W 35AAD 01 | | 122.9 | 6 | | 1.6 | .1 | | 537 | 543 | 1 |
| 34S 38W 02CAC 01 | QU,TO | | | | | | | | | |
| 34S 38W 34CAA 01 | | | | | | | | | | |
| 34S 39W 02CCA 01 | QU,TO | 99.8 | 18 | 8.6 | .3 | .4 | .4 | 415 | 433 | 4 |
| 34S 39W 15CAD 01 | QU,TO | 141.2 | | .5 | -4.2 | | | 369 | 369 | |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, STEVENS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1938 (FEET) | WATER-LEVEL CHANGE 1940-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1940-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1940 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1940-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 35S 35W 15BCC 01 | | 111.4 | -4 | | 1.4 | -.1 | | 511 | 507 | -1 |
| 35S 36W 01AAA 01 | QU,TO | 127.7 | -8 | | -2.1 | -.2 | | 470 | 462 | -2 |
| 35S 36W 15AAD 01 | | 105.4 | -12 | | 1.7 | -.3 | | | | |
| 35S 37W 16BCC 01 | | 131.6 | | | 0.0 | | | | | |
| 35S 39W 10CAD 01 | QU,TO | 198.3 | -15 | -10.3 | -2.3 | -.3 | -.5 | 319 | 304 | -5 |




WATER–LEVEL CHANG IN STEVENS COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, THOMAS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06S 31W 03ADB 01 | TO | 2957. | 192 | 109 | 115.0 | 115.9 | 115.5 | 115.6 | 116.7 | 115.7 | 115.7 | 115.0 |
| 06S 31W 33CCD 01 | QA,TC | 2916. | 131 | 18 | 10.0 | 30.6 | 30.2 | | 30.4 | 30.3 | 31.1 | 31.9 |
| 06S 32W 12CBC 01 | TO | 3020. | 210 | 115 | 114.0 | 118.0 | 117.6 | 120.8 | 119.2 | 119.2 | 119.7 | |
| 06S 32W 29CDC 01 | TO | 3077. | 204 | 113 | 111.0 | 124.0 | 122.2 | 124.1 | 125.1 | 123.7 | 122.4 | 123.2 |
| 06S 33W 07BBB 01 | TO | 3177. | 234 | 137 | | 137.4 | 137.5 | 139.3 | 141.2 | 137.8 | 138.9 | 138.4 |
| 06S 33W 23DDD 01 | QA | 2997. | 81 | 9 | | 13.6 | 11.0 | 12.0 | 11.5 | 11.4 | 12.8 | 12.1 |
| 06S 34W 01DDD 01 | TO | | | | | | | | 143.4 | 141.6 | 143.1 | 142.7 |
| 06S 34W 11CDD 01 | TO | 3218. | 253 | 158 | 156.0 | 163.7 | 162.5 | 163.0 | 168.7 | 161.7 | 161.3 | 160.1 |
| 06S 34W 17CBC 01 | TO | 3261. | 258 | 151 | 151.0 | 158.2 | 157.9 | 158.4 | 158.1 | 158.7 | 159.1 | 159.0 |
| 06S 34W 22DCA 01 | | 3207. | | | | | | | 132.6 | 128.0 | 128.1 | |
| 06S 34W 31CDB 01 | | | | | | | | | | 130.6 | 131.7 | 136.5 |
| 06S 35W 02CDD 01 | TO | 3245. | 250 | 117 | 127.0 | 131.4 | 129.7 | 129.8 | 129.9 | 129.7 | 129.8 | 129.9 |
| 06S 35W 26ACB 01 | TO | 3300. | 255 | 151 | 150.0 | 153.8 | 154.6 | 154.2 | 154.6 | 154.8 | 155.2 | 156.7 |
| 06S 36W 06BCD 01 | TO | 3408. | 323 | 174 | 178.0 | 190.4 | 189.1 | | 188.6 | 190.5 | 188.9 | 189.2 |
| 06S 36W 11ACC 01 | TO | 3360. | 280 | 168 | 161.0 | 167.8 | 165.7 | | 166.1 | 167.1 | 166.8 | 167.2 |
| 06S 36W 30CDB 01 | TO | 3417. | 307 | 152 | 147.0 | 155.5 | 154.5 | | 155.4 | 155.4 | 155.5 | 156.1 |
| 06S 36W 34DDB 01 | TO | 3334. | 246 | 99 | 94.0 | 102.8 | 101.6 | 102.7 | 102.0 | 102.6 | 103.2 | 103.0 |
| 07S 31W 01DCA 01 | TO | 2956. | 246 | 108 | 101.0 | 112.4 | 113.6 | 114.5 | 121.1 | 123.5 | | 125.1 |
| 07S 32W 07ACA 01 | TO | 3056. | 146 | 68 | 64.0 | 79.3 | 79.0 | 79.4 | 79.4 | 79.0 | 79.5 | 79.9 |
| 07S 32W 13AAA 01 | TO | 3037. | 234 | 102 | 101.0 | 121.7 | 123.8 | | 122.9 | 123.3 | 123.8 | 125.6 |
| 07S 32W 33BCB 01 | | 3082. | | | | | | | 114.6 | 115.3 | 116.1 | 116.4 |
| 07S 33W 07BDA 01 | TO | 3203. | 254 | 141 | 149.0 | 154.7 | 153.2 | 155.0 | 154.4 | 154.4 | 155.6 | 155.3 |
| 07S 33W 35ADD 01 | TO | 3145. | 252 | 131 | 131.0 | 151.8 | 148.3 | 150.6 | 151.0 | 150.6 | | 152.6 |
| 07S 34W 25AAA 01 | TO | 3167. | 240 | 106 | 106.0 | 111.8 | 111.1 | 112.6 | 113.3 | 112.2 | 113.3 | 112.5 |
| 07S 34W 26DBD 01 | TO | 3177. | 230 | 104 | 104.0 | 110.0 | | | 118.5 | 112.4 | 119.0 | 119.6 |
| 07S 35W 09CCC 01 | TO | 3315. | 265 | 124 | | 129.0 | 127.8 | 127.5 | 126.8 | 128.1 | 128.9 | 129.8 |
| 07S 36W 17CCC 01 | TO | 3417. | 267 | 139 | 134.0 | 145.2 | 142.8 | 142.9 | 143.2 | 143.6 | 145.5 | 147.2 |
| 07S 36W 35CBB 01 | TO | 3341. | 221 | 82 | 82.0 | 89.5 | 90.6 | | 91.6 | 93.0 | 88.6 | 91.4 |
| 08S 31W 03CDD 01 | TO | 3003. | | 110 | | 132.2 | 131.3 | 133.4 | 135.0 | 135.2 | 137.7 | 139.0 |
| 08S 31W 20CDD 01 | TO | 3026. | 220 | 98 | 101.0 | | 115.2 | 118.3 | 120.2 | 118.0 | 120.1 | 121.7 |
| 08S 32W 07BAA 01 | TO | 3102. | 272 | 98 | 99.0 | 120.5 | 118.2 | 120.4 | 121.2 | 121.1 | 123.1 | 123.4 |
| 08S 32W 12DBC 01 | TO | 3057. | 217 | 110 | 108.0 | 114.8 | 113.9 | 116.6 | 116.3 | 117.0 | 118.4 | 119.5 |
| 08S 32W 27DAB 01 | TO | 3078. | 228 | 112 | 110.0 | 121.5 | | | 122.3 | 124.1 | 128.1 | 123.8 |
| 08S 33W 34BBC 01 | TO | 3168. | 197 | 130 | 130.0 | 149.0 | 147.2 | 148.7 | | 151.7 | 155.4 | 155.9 |
| 08S 34W 01BAC 01 | TO | 3177. | 270 | 113 | 116.0 | 124.2 | 124.4 | | 125.9 | 124.4 | 126.5 | 126.7 |
| 08S 34W 06CBC 01 | TO | 3266. | 227 | 130 | 135.0 | 140.1 | 139.4 | 135.5 | | 137.9 | | 137.9 |
| 08S 34W 23CBD 01 | TO | 3232. | 235 | 162 | 155.0 | 176.2 | | 176.3 | | 178.5 | | 180.4 |
| 08S 34W 29CCC 01 | | 3283. | | | | | | | 198.3 | 205.0 | 206.8 | 207.5 |
| 08S 35W 04CCC 01 | | 3302. | | | | | | | 94.8 | 94.8 | 94.8 | 94.8 |
| 08S 36W 15CBB 01 | | 3365. | | | | | | | 85.4 | 85.9 | 86.1 | 86.1 |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, THOMAS CCUNTY -- CONTINUED

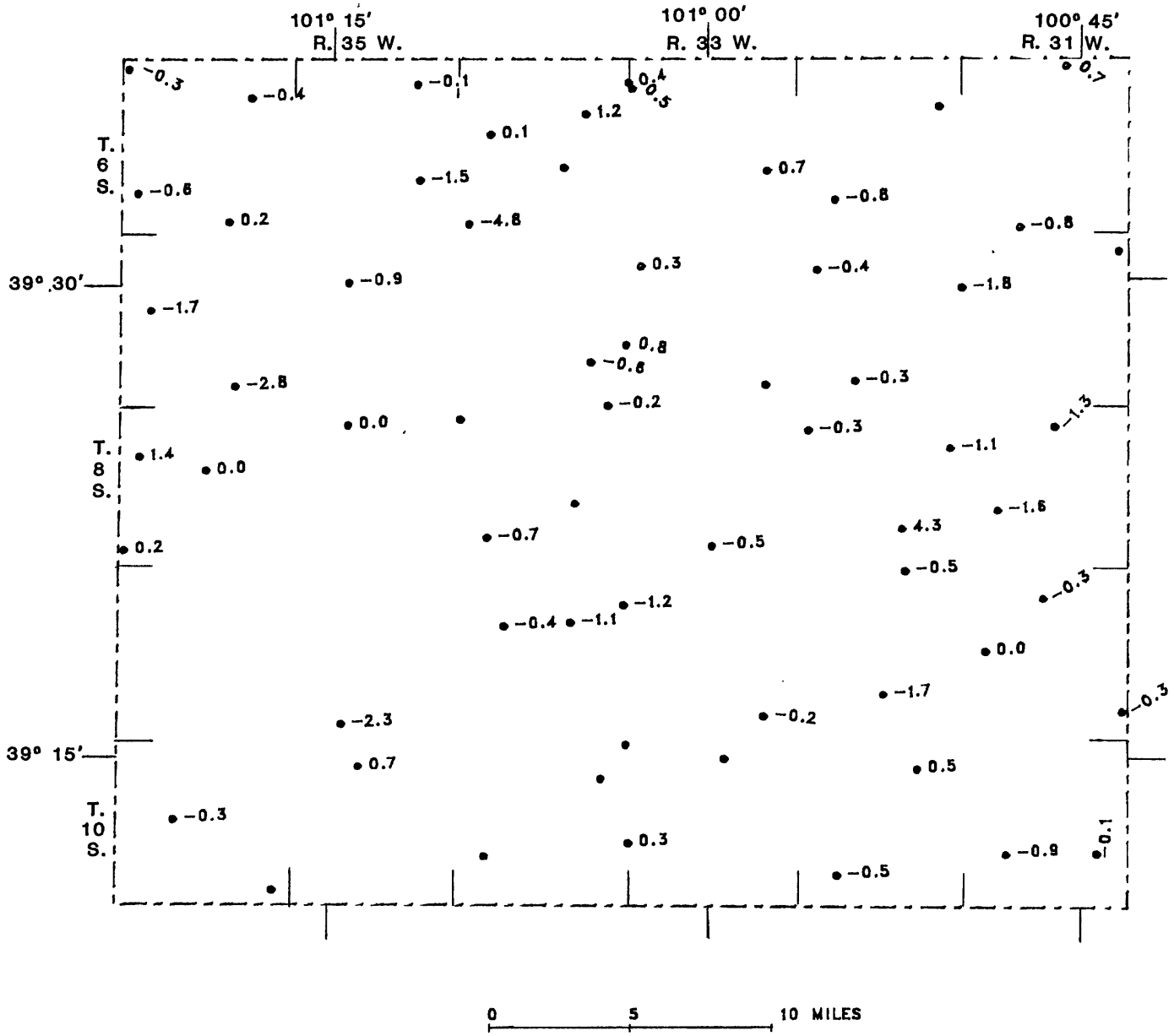
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08S 36W 18ABA 02 | TO | 3428. | | 120 | | | 128.2 | | | 129.5 | 132.7 | 131.3 |
| 08S 36W 31BCD 01 | | 3369. | | | | | | | | 45.2 | 45.2 | 45.0 |
| 09S 31W 10BBB 01 | TO | 2999. | 177 | 85 | 83.0 | 87.8 | 88.4 | 88.8 | 89.6 | 92.3 | 90.2 | 90.5 |
| 09S 31W 17CCC 01 | | 3016. | | | | | | | 91.0 | 88.6 | 89.9 | 89.9 |
| 09S 31W 36AAB 01 | TO | 3013. | 209 | 130 | 131.0 | 141.5 | 139.1 | 141.8 | 143.1 | 142.4 | 143.4 | 143.7 |
| 09S 32W 03AAA 01 | | 3051. | | | | | | | 99.2 | 97.5 | 99.4 | 99.9 |
| 09S 32W 27BCD 01 | TO | 3076. | 207 | 97 | 98.0 | 120.7 | 119.1 | 119.7 | 118.7 | 121.4 | 121.6 | 123.3 |
| 09S 33W 35AAD 01 | TO | 3145. | 250 | 125 | 129.0 | 155.9 | 154.2 | 156.3 | 156.9 | 157.4 | 158.6 | 158.8 |
| 09S 34W 11CCC 01 | | 3180. | | | | | | | 118.4 | 120.2 | 122.8 | 123.9 |
| 09S 34W 12ADA 01 | TO | 3199. | 269 | 134 | | 157.3 | 156.2 | 157.7 | 159.0 | 159.7 | 161.5 | 162.7 |
| 09S 34W 17ABA 01 | | 3229. | | | | | | | 153.4 | 154.2 | 155.5 | 155.9 |
| 09S 35W 32DAA 01 | TO | 3361. | 235 | 182 | 188.0 | 187.0 | 186.4 | 188.2 | 186.8 | 186.8 | 193.4 | 195.7 |
| 10S 31W 26AAA 01 | QA,TC | 2891. | 31 | 11 | 5.0 | 11.1 | 10.3 | 11.3 | 11.4 | 12.2 | 12.0 | 12.1 |
| 10S 31W 29AAB 01 | TO | 2997. | 190 | 82 | 82.0 | 90.7 | 89.7 | 91.3 | 91.3 | 91.3 | 91.6 | 92.5 |
| 10S 32W 11BAA 01 | TO | 3072. | 171 | 110 | 105.0 | 117.3 | 118.2 | 118.8 | 117.0 | 120.1 | 120.7 | 120.2 |
| 10S 32W 29DCB 01 | TO | 3064. | 184 | 78 | 80.0 | 94.5 | 95.3 | 95.5 | 97.6 | 98.4 | 96.4 | 96.9 |
| 10S 33W 03DBC 01 | TO | 3145. | 254 | 120 | 127.0 | 149.1 | 148.0 | 148.1 | | 152.6 | 152.5 | |
| 10S 33W 06BBC 01 | TO | 3191. | 315 | 136 | | 178.9 | | | | 172.6 | 177.4 | |
| 10S 33W 19CBD 01 | TO | 3161. | 166 | 100 | 99.0 | 105.0 | 105.6 | 106.1 | 104.7 | 106.2 | 106.2 | 105.9 |
| 10S 34W 12BCD 01 | TO | 3220. | 297 | 157 | 169.0 | 171.3 | 172.9 | 178.6 | 171.3 | 169.3 | 171.4 | |
| 10S 34W 29BBC 01 | | 3208. | | | | | | | 88.9 | 91.6 | 88.8 | |
| 10S 35W 09ABB 01 | | 3290. | | | | | | | 112.8 | 113.1 | 113.4 | 112.7 |
| 10S 36W 16CCC 01 | | 3366. | | | | | | | 128.8 | 128.7 | 130.2 | 130.5 |
| 10S 36W 36ACC 01 | TO | 3359. | 199 | 164 | 169.0 | 171.5 | 172.0 | 172.4 | 175.8 | | 171.7 | |

TABLE 1.-- SELECTED HYDROLOGIC DATA, THOMAS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-38 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-38 |
|---|---|---|---|---|---|---|---|---|---|---|
| 06S 31W 03ACB 01 | TO | 115.0 | -6 | | .7 | -.2 | | 83 | 77 | -7 |
| 06S 31W 33CCD 01 | QA,TO | 31.9 | -14 | -21.9 | -.8 | -.4 | -1.0 | 113 | 99 | -12 |
| 06S 32W 12CBC 01 | TO | | | | | | | | | |
| 06S 32W 29CDC 01 | TO | 123.2 | -10 | -12.2 | -.8 | -.3 | -.6 | 91 | 81 | -11 |
| 06S 33W 07BBB 01 | TO | 138.4 | -1 | | .5 | | | 97 | 96 | -1 |
| 06S 33W 23DDD 01 | QA | 12.1 | -3 | | .7 | -.1 | | 72 | 69 | -4 |
| 06S 34W 01DDD 01 | TO | 142.7 | | | .4 | | | | | |
| 06S 34W 11CDD 01 | TO | 160.1 | -2 | -4.1 | 1.2 | -.1 | -.2 | 95 | 93 | -2 |
| 06S 34W 17CBC 01 | TO | 159.0 | -8 | -8.0 | .1 | -.2 | -.4 | 107 | 99 | -7 |
| 06S 34W 22DCA 01 | | | | | | | | | | |
| 06S 34W 31CDB 01 | | 136.5 | | | -4.8 | | | | | |
| 06S 35W 02CDD 01 | TO | 129.9 | -13 | -2.9 | -.1 | -.3 | -.1 | 133 | 120 | -10 |
| 06S 35W 26ACB 01 | TO | 156.7 | -6 | -6.7 | -1.5 | -.2 | -.3 | 104 | 98 | -6 |
| 06S 36W 06BCD 01 | TO | 189.2 | -15 | -11.2 | -.3 | -.4 | -.5 | 149 | 134 | -10 |
| 06S 36W 11ACC 01 | TO | 167.2 | 1 | -6.2 | -.4 | | -.3 | 112 | 113 | 1 |
| 06S 36W 30DCB 01 | TO | 156.1 | -4 | -9.1 | -.6 | -.1 | -.4 | 155 | 151 | -3 |
| 06S 36W 34DDB 01 | TO | 103.0 | -4 | -9.0 | .2 | -.1 | -.4 | 147 | 143 | -3 |
| 07S 31W 01DCA 01 | TO | 125.1 | -17 | -24.1 | | -.4 | -1.1 | 138 | 121 | -12 |
| 07S 32W 07ACA 01 | TO | 79.9 | -12 | -15.9 | -.4 | -.3 | -.7 | 78 | 66 | -15 |
| 07S 32W 13AAA 01 | TO | 125.6 | -24 | -24.6 | -1.8 | -.6 | -1.1 | 132 | 108 | -18 |
| 07S 32W 33BCB 01 | | 116.4 | | | -.3 | | | | | |
| 07S 33W 07BDA 01 | TO | 155.3 | -14 | -6.3 | .3 | -.4 | -.3 | 113 | 99 | -12 |
| 07S 33W 35ADD 01 | TO | 152.6 | -22 | -21.6 | | -.6 | -1.0 | 121 | 99 | -18 |
| 07S 34W 25AAA 01 | TO | 112.5 | -7 | -6.5 | .8 | -.2 | -.3 | 134 | 128 | -4 |
| 07S 34W 26DBD 01 | TO | 119.6 | -16 | -15.6 | -.6 | -.4 | -.7 | 126 | 110 | -13 |
| 07S 35W 09CCC 01 | TO | 129.8 | -6 | | -.9 | -.2 | | 141 | 135 | -4 |
| 07S 36W 17CCC 01 | TO | 147.2 | -8 | -13.2 | -1.7 | -.2 | -.6 | 128 | 120 | -6 |
| 07S 36W 35CBB 01 | TO | 91.4 | -9 | -9.4 | -2.8 | -.2 | -.4 | 139 | 130 | -6 |
| 08S 31W 03CDD 01 | TO | 139.0 | -29 | | -1.3 | -.8 | | | | |
| 08S 31W 20CDD 01 | TO | 121.7 | -24 | -20.7 | -1.6 | -.6 | -.9 | 122 | 98 | -20 |
| 08S 32W 07BAA 01 | TO | 123.4 | -25 | -24.4 | -.3 | -.7 | -1.1 | 174 | 149 | -14 |
| 08S 32W 12DBC 01 | TO | 119.5 | -10 | -11.5 | -1.1 | -.3 | -.5 | 107 | 98 | -8 |
| 08S 32W 27DAB 01 | TO | 123.8 | -12 | -13.8 | 4.3 | -.3 | -.6 | 116 | 104 | -10 |
| 08S 33W 34BBC 01 | TO | 155.9 | -26 | -25.9 | -.5 | -.7 | -1.2 | 67 | 41 | -39 |
| 08S 34W 01BAC 01 | TO | 126.7 | -14 | -10.7 | -.2 | -.4 | -.5 | 157 | 143 | -9 |
| 08S 34W 06CBC 01 | TO | 137.9 | -8 | -2.9 | | -.2 | -.1 | 97 | 89 | -8 |
| 08S 34W 23CBD 01 | TO | 180.4 | -18 | -25.4 | | -.5 | -1.2 | 73 | 55 | -25 |
| 08S 34W 29CCC 01 | | 207.5 | | | -.7 | | | | | |
| 08S 35W 04CCC 01 | | 94.8 | | | 0.0 | | | | | |
| 08S 36W 15CBB 01 | | 86.1 | | | 0.0 | | | | | |

TABLE 1.-- SELECTED HYDROLOGIC DATA, THOMAS COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 08S 36W 18ABA 02 | TO | 131.3 | -11 | | 1.4 | -.3 | | | | |
| 08S 36W 31BCD 01 | | 45.0 | | | .2 | | | | | |
| 09S 31W 10388 01 | TO | 90.5 | -6 | -7.5 | -.3 | -.2 | -.3 | 92 | 87 | -5 |
| 09S 31W 17CCC 01 | | 89.9 | | | 0.0 | | | | | |
| 09S 31W 36AA8 01 | TO | 143.7 | -14 | -12.7 | -.3 | -.4 | -.6 | 79 | 65 | -18 |
| 09S 32W 03AAA 01 | | 99.9 | | | -.5 | | | | | |
| 09S 32W 27BCD 01 | TO | 123.3 | -26 | -25.3 | -1.7 | -.7 | -1.2 | 110 | 84 | -24 |
| 09S 33W 35AAD 01 | TO | 158.3 | -34 | -29.8 | -.2 | -.9 | -1.4 | 125 | 91 | -27 |
| 09S 34W 11CCC 01 | | 123.9 | | | -1.1 | | | | | |
| 09S 34W 12ADA 01 | TO | 162.7 | -29 | | -1.2 | -.8 | | 135 | 106 | -21 |
| 09S 34W 17ABA 01 | | 155.9 | | | -.4 | | | | | |
| 09S 35W 32DAA 01 | TO | 195.7 | -14 | -7.7 | -2.3 | -.4 | -.4 | 53 | 39 | -26 |
| 10S 31W 26AAA 01 | QA,TO | 12.1 | -1 | -7.1 | -.1 | | -.3 | 20 | 19 | -5 |
| 10S 31W 29AAB 01 | TO | 92.5 | -11 | -10.5 | -.9 | -.3 | -.5 | 108 | 98 | -9 |
| 10S 32W 11BAA 01 | TO | 120.2 | -10 | -15.2 | .5 | -.3 | -.7 | 61 | 51 | -16 |
| 10S 32W 29DCB 01 | TO | 96.9 | -19 | -16.9 | -.5 | -.5 | -.8 | 106 | 87 | -18 |
| 10S 33W 03DBC 01 | TO | | | | | | | | | |
| 10S 33W 06BBC 01 | TO | | | | | | | | | |
| 10S 33W 19CBD 01 | TO | 105.9 | -6 | -6.9 | .3 | -.2 | -.3 | 66 | 60 | -9 |
| 10S 34W 12BCD 01 | TO | | | | | | | | | |
| 10S 34W 29BBC 01 | | | | | | | | | | |
| 10S 35W 09AB8 01 | | 112.7 | | | .7 | | | | | |
| 10S 36W 16CCC 01 | | 130.5 | | | -.3 | | | | | |
| 10S 36W 36ACC 01 | TO | | | | | | | | | |



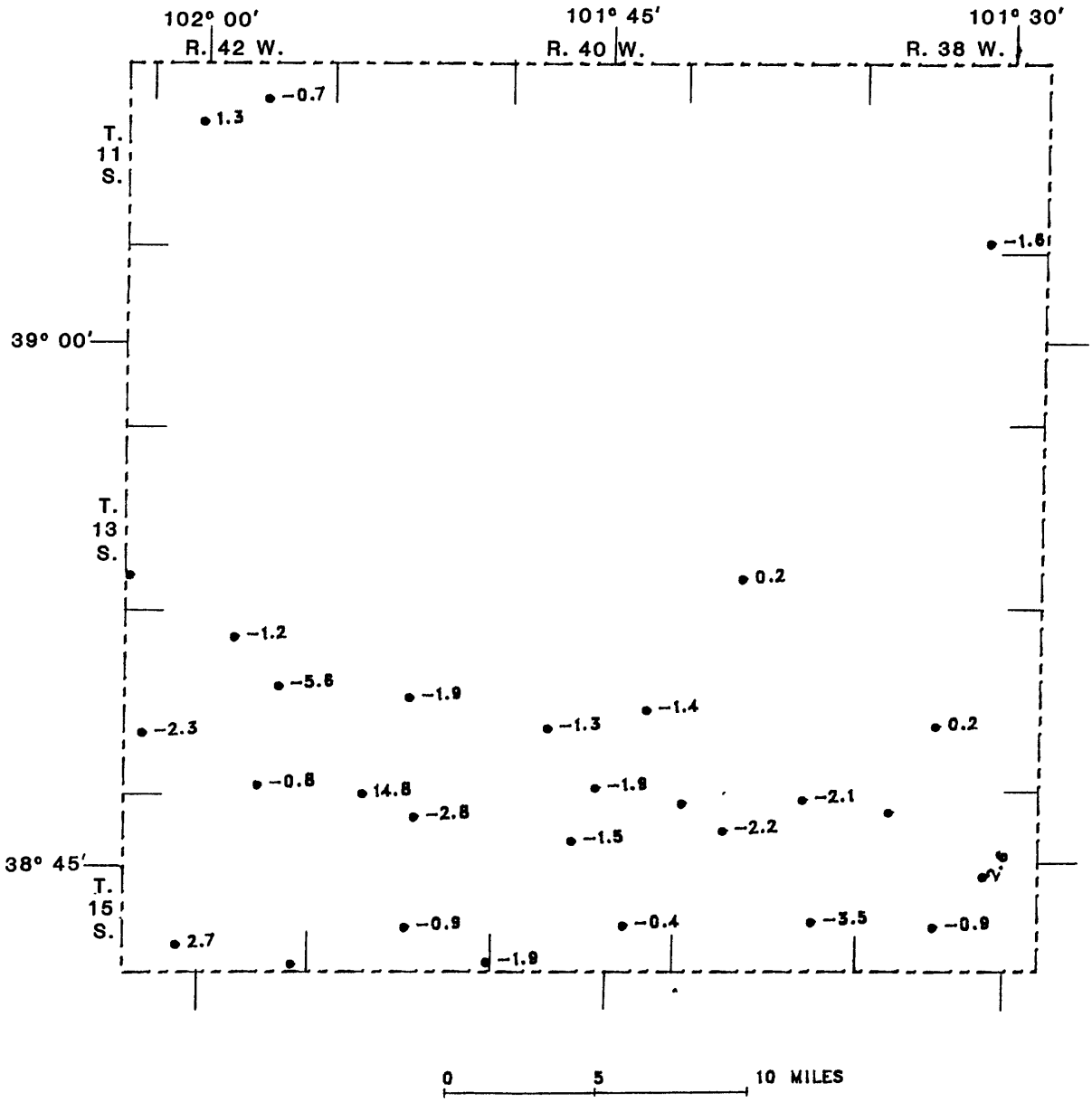

WATER–LEVEL CHANGE IN THOMAS COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, WALLACE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11S 38W 35CCC 02 | TO | 3372. | 189 | 81 | 76.0 | 148.6 | | 136.3 | 127.6 | 124.9 | 126.2 | 127.8 |
| 11S 42W 08DDC 01 | TO | 3953. | 98 | 98 | | 107.3 | 107.5 | 108.3 | 109.7 | 109.9 | 110.3 | 109.0 |
| 11S 42W 10AAD 01 | TO | 3948. | | | | | | | 130.1 | 128.6 | 130.0 | 130.7 |
| 13S 39W 33BBB 01 | TO | 3322. | | | | 29.5 | 25.4 | 25.9 | 25.8 | 26.3 | 26.0 | 25.8 |
| 13S 43W 36ABB 01 | TO | 3894. | 270 | 149 | 149.0 | 175.8 | 177.4 | 180.7 | 180.0 | 182.2 | 183.0 | |
| 14S 38W 21DCC 01 | TO | 3538. | 94 | 82 | 80.1 | 81.9 | 81.8 | 82.1 | 82.1 | 82.2 | 82.5 | 82.3 |
| 14S 40W 23ADD 01 | TO | 3645. | 220 | 118 | 124.5 | | 155.2 | 156.6 | 156.1 | 157.1 | 156.0 | 157.4 |
| 14S 40W 29ABA 01 | TO | 3702. | 230 | 137 | | | 169.8 | 172.2 | 171.8 | 174.7 | 174.0 | 175.3 |
| 14S 41W 22BBC 01 | TO | 3729. | 218 | 84 | 86.1 | 121.6 | 121.0 | 124.1 | 125.8 | 124.9 | 128.2 | 130.1 |
| 14S 42W 10BAA 01 | TO | 3838. | 403 | 133 | | 179.2 | 178.5 | 181.3 | 182.1 | 177.2 | 186.1 | 187.3 |
| 14S 42W 14DBD 01 | TO | 3796. | 400 | 101 | 117.4 | 153.2 | 149.8 | 151.6 | 151.5 | 152.1 | 154.1 | 159.7 |
| 14S 42W 30BCA 01 | TO | 3880. | 386 | 155 | 159.6 | | | | 195.2 | 193.6 | 197.5 | 199.8 |
| 15S 38W 05CCB 01 | TO | 3531. | 144 | 76 | | 102.5 | 102.5 | 104.8 | 103.4 | 103.9 | 104.3 | |
| 15S 38W 14CCD 01 | TO | 3486. | 150 | 70 | 81.1 | 103.9 | 102.1 | 104.5 | 103.2 | 105.5 | 107.2 | 104.6 |
| 15S 38W 28DBB 01 | TO | 3502. | 202 | 82 | 106.3 | 145.4 | 146.0 | 148.2 | 148.1 | 145.8 | 148.0 | 148.9 |
| 15S 39W 02BCA 01 | TO | 3585. | 195 | 109 | 125.0 | | 156.7 | 152.5 | 152.6 | 152.8 | 151.2 | 153.3 |
| 15S 39W 06CBC 01 | TO | 3631. | 223 | 106 | 118.8 | 146.1 | 146.3 | 146.3 | | 146.1 | 153.3 | |
| 15S 39W 08ACC 01 | TO | 3623. | 222 | 113 | 129.9 | 158.6 | 158.5 | 159.8 | 160.3 | 162.6 | 160.8 | 163.0 |
| 15S 39W 26ACC 01 | TO | 3561. | 239 | 90 | 111.5 | 150.7 | 151.0 | 154.2 | 152.1 | 159.5 | 153.8 | 157.3 |
| 15S 40W 03BAB 01 | TO | 3636. | 254 | 86 | 85.0 | 121.7 | 120.4 | 119.8 | 122.8 | 124.3 | 124.3 | 126.2 |
| 15S 40W 09DCB 01 | TO | 3653. | 261 | 85 | 90.8 | 128.6 | 128.5 | 128.7 | 129.2 | 130.3 | 131.8 | 133.3 |
| 15S 40W 26CAB 01 | TO | 3646. | 245 | 100 | 102.0 | 142.0 | | | 130.0 | 134.1 | 137.3 | 137.7 |
| 15S 41W 05ACB 01 | TO | 3794. | 235 | 136 | 147.2 | 185.9 | 189.4 | 190.5 | 190.0 | 204.7 | | 193.1 |
| 15S 41W 10BAB 01 | TO | 3787. | 264 | 157 | 163.7 | 200.0 | 200.0 | 200.7 | 202.2 | 212.1 | 204.1 | 206.9 |
| 15S 41W 27CBC 01 | TO | 3750. | 230 | 145 | | 186.7 | 190.5 | 191.8 | 186.9 | 189.0 | 191.5 | 192.4 |
| 15S 41W 36DDB 02 | TO | 3695. | 265 | 104 | 113.1 | 142.2 | 139.5 | | 144.9 | 145.2 | 146.4 | 148.3 |
| 15S 42W 02BBB 01 | TO | 3854. | 225 | 159 | 166.9 | 198.5 | 201.8 | 205.7 | 208.1 | 212.3 | 203.2 | 204.0 |
| 15S 42W 32BDA 01 | TO | 3901. | 271 | 216 | 233.9 | 243.8 | 233.5 | 239.3 | 246.2 | | 247.9 | 245.2 |
| 15S 42W 36CDC 01 | TO | 3844. | 270 | 194 | 214.1 | 241.9 | 242.7 | 243.3 | 241.7 | | 245.3 | |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, WALLACE COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 11S 38W 35CCC 02 | TO | 127.8 | -47 | -51.8 | -1.6 | -1.2 | -2.4 | 108 | 61 | -44 |
| 11S 42W 08DDC 01 | TO | 109.0 | -11 | | 1.3 | -.3 | | | 11 | |
| 11S 42W 10AAD 01 | TO | 130.7 | | | -.7 | | | | | |
| 13S 39W 33BBB 01 | TO | 25.8 | | | .2 | | | | | |
| 13S 43W 36ABB 01 | TO | | | | | | | | | |
| 14S 38W 21DCC 01 | TO | 82.3 | | -2.2 | .2 | | -.1 | 12 | 12 | |
| 14S 40W 23ADD 01 | TO | 157.4 | -39 | -32.9 | -1.4 | -1.0 | -1.5 | 102 | 63 | -38 |
| 14S 40W 29ABA 01 | TO | 175.3 | -38 | | -1.3 | -1.0 | | 93 | 55 | -41 |
| 14S 41W 22BBC 01 | TO | 130.1 | -46 | -44.0 | -1.9 | -1.2 | -2.0 | 134 | 88 | -34 |
| 14S 42W 10BAA 01 | TO | 187.3 | -54 | | -1.2 | -1.4 | | 270 | 216 | -20 |
| 14S 42W 14DBD 01 | TO | 159.7 | -59 | -42.3 | -5.6 | -1.6 | -1.9 | 299 | 240 | -20 |
| 14S 42W 30BCA 01 | TO | 199.8 | -45 | -40.2 | -2.3 | -1.2 | -1.8 | 231 | 186 | -19 |
| 15S 38W 05CCB 01 | TO | | | | | | | | | |
| 15S 38W 14CCD 01 | TO | 104.6 | -35 | -23.5 | 2.6 | -.9 | -1.1 | 80 | 45 | -44 |
| 15S 38W 28DBB 01 | TO | 148.9 | -67 | -42.6 | -.9 | -1.8 | -1.9 | 120 | 53 | -56 |
| 15S 39W 02BCA 01 | TO | 153.3 | -44 | -28.2 | -2.1 | -1.2 | -1.3 | 86 | 42 | -51 |
| 15S 39W 06CBC 01 | TO | | | | | | | | | |
| 15S 39W 08ACC 01 | TO | 163.0 | -50 | -33.1 | -2.2 | -1.3 | -1.5 | 109 | 59 | -46 |
| 15S 39W 26ACC 01 | TO | 157.3 | -67 | -45.7 | -3.5 | -1.8 | -2.1 | 149 | 82 | -45 |
| 15S 40W 03BAB 01 | TO | 126.2 | -40 | -41.1 | -1.9 | -1.1 | -1.9 | 168 | 128 | -24 |
| 15S 40W 09DCB 01 | TO | 133.3 | -48 | -42.5 | -1.5 | -1.3 | -1.9 | 176 | 128 | -27 |
| 15S 40W 26CAB 01 | TO | 137.7 | -38 | -35.7 | -.4 | -1.0 | -1.6 | 145 | 107 | -26 |
| 15S 41W 05ACB 01 | TO | 193.1 | -57 | -45.9 | 14.8 | -1.5 | -2.1 | 99 | 42 | -58 |
| 15S 41W 10BAB 01 | TO | 206.9 | -50 | -43.1 | -2.8 | -1.3 | -2.0 | 107 | 57 | -47 |
| 15S 41W 27CBC 01 | TO | 192.4 | -47 | | -.9 | -1.2 | | 85 | 38 | -55 |
| 15S 41W 36DDB 02 | TO | 148.3 | -44 | -35.1 | -1.9 | -1.2 | -1.6 | 161 | 117 | -27 |
| 15S 42W 02BBB 01 | TO | 204.0 | -45 | -37.1 | -.8 | -1.2 | -1.7 | 66 | 21 | -68 |
| 15S 42W 32BCA 01 | TO | 245.2 | -29 | -11.3 | 2.7 | -.8 | -.5 | 55 | 26 | -53 |




WATER–LEVEL CHANGE IN WALLACE COUNTY, 1987–88

TABLE 1.-- SELECTED HYDROLOGIC DATA, WICHITA COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16S 35W 06AAB 01 | TO | 3208. | 118 | 71 | 81.5 | 82.8 | 82.6 | | 83.0 | 82.8 | 83.2 | 84.7 |
| 16S 35W 13CCC 01 | TO | 3182. | 170 | 118 | 126.6 | 159.3 | 157.6 | 157.7 | 157.7 | 157.7 | 158.8 | 159.2 |
| 16S 35W 20CCC 01 | TO | 3228. | 189 | 103 | 124.6 | 162.0 | 157.2 | 155.8 | 156.0 | 155.2 | 160.3 | 162.4 |
| 16S 36W 03DCC 01 | TO | 3267. | 138 | 87 | | 128.4 | 135.2 | | 133.8 | 132.2 | 131.6 | |
| 16S 36W 07BCB 01 | TO | 3319. | 140 | 80 | 91.8 | 112.6 | 113.2 | 114.8 | 115.6 | 115.2 | 117.4 | 120.6 |
| 16S 36W 30CBC 01 | TO | 3319. | 218 | 87 | 109.3 | | 153.0 | | 158.6 | 155.9 | 154.5 | 165.2 |
| 16S 36W 34CCC 02 | TO | 3275. | | | | | | | | 138.3 | 137.9 | 140.1 |
| 16S 37W 17BBB 01 | TO | 3399. | 194 | 86 | 101.0 | 142.4 | 143.7 | 144.4 | 145.0 | 144.0 | 145.9 | 146.0 |
| 16S 37W 30BAB 01 | TO | 3404. | | | | | | | 154.4 | 156.3 | 155.3 | 154.8 |
| 16S 38W 10ABB 01 | TO | 3458. | 208 | 83 | 96.3 | 144.4 | 145.2 | 145.0 | 144.8 | 143.5 | 146.4 | 147.9 |
| 16S 38W 26BBB 01 | TO | 3424. | 197 | 75 | 112.0 | 145.9 | 137.7 | 138.6 | 139.8 | 140.6 | 141.2 | 142.0 |
| 17S 35W 02BBB 01 | TO | 3189. | 189 | 109 | | 149.3 | 150.1 | 151.0 | 151.9 | 152.3 | 153.3 | 163.0 |
| 17S 35W 18ACB 01 | TO | 3226. | 195 | 97 | 110.8 | 145.8 | 144.0 | 144.7 | 144.7 | 144.7 | 146.0 | 161.0 |
| 17S 35W 27CCC 01 | TO | 3195. | 210 | 91 | 109.6 | 149.5 | 148.0 | 146.4 | 145.1 | 143.6 | 144.5 | 145.9 |
| 17S 35W 30CBB 01 | TO | 3235. | 218 | 94 | 126.6 | 169.4 | 172.5 | 162.6 | | 160.2 | 163.6 | 166.8 |
| 17S 36W 33BCB 01 | TO | 3286. | 208 | 98 | 113.3 | 143.0 | 143.5 | 143.5 | 145.0 | 145.0 | 145.9 | 147.0 |
| 17S 37W 08BAA 01 | TO | 3374. | 196 | 84 | 101.2 | 134.9 | 141.2 | 134.8 | 132.3 | 133.4 | 134.1 | 135.5 |
| 17S 37W 13CDD 01 | TO | 3300. | 175 | 70 | | 103.1 | 104.2 | 106.2 | 107.7 | 107.7 | 110.8 | 115.1 |
| 17S 37W 28CCC 01 | TO | 3360. | 190 | 85 | 98.4 | 141.5 | 151.7 | 133.9 | 138.1 | 137.0 | 138.2 | 144.4 |
| 17S 38W 21BBB 01 | TO | 3446. | 165 | 100 | 100.3 | 126.5 | 127.7 | 127.6 | | 126.4 | 129.5 | 127.7 |
| 17S 38W 28CCC 01 | TO | 3446. | 190 | 105 | 113.6 | 143.8 | 143.9 | | 144.9 | 144.8 | | 146.2 |
| 18S 35W 08BBC 02 | TO | 3217. | 186 | 82 | | 140.0 | 144.6 | 143.0 | 133.6 | 134.7 | 137.0 | 135.8 |
| 18S 35W 14DCD 01 | TO | 3171. | 137 | 80 | 91.1 | 114.0 | 117.5 | 115.2 | 119.3 | 114.0 | 115.8 | 116.2 |
| 18S 35W 31DDD 01 | TO | 3210. | | | | | | | | 95.4 | | |
| 18S 36W 15DAD 01 | TO | 3235. | 165 | 60 | | 87.5 | 87.0 | 88.4 | 88.8 | 87.6 | 88.3 | |
| 18S 37W 01BBB 01 | TO | 3315. | 174 | 80 | 108.4 | 138.8 | 137.6 | 139.9 | 138.9 | 138.3 | 139.7 | 140.5 |
| 18S 37W 21BBB 01 | TO | 3360. | 175 | 85 | 113.6 | 168.7 | 154.6 | 163.5 | 158.3 | | 158.1 | 158.7 |
| 18S 37W 36ABB 01 | TO | 3301. | 155 | 76 | 89.3 | 107.3 | 108.8 | 108.8 | 108.4 | 108.3 | 108.8 | 109.3 |
| 18S 38W 02BCC 01 | TO | 3414. | 199 | 95 | 115.7 | 155.8 | 159.4 | 160.9 | 152.3 | 153.0 | 151.4 | 154.7 |
| 18S 38W 20ACC 02 | TO | 3440. | 169 | 90 | 108.7 | 131.3 | 130.2 | 130.7 | 131.4 | 130.7 | 130.3 | 130.2 |
| 18S 38W 23BAB 01 | QA,TC | 3340. | 108 | 23 | | 45.8 | 39.8 | 53.5 | 25.8 | 40.2 | 25.7 | 42.3 |
| 18S 38W 31DBC 01 | TO | 3450. | 148 | 109 | 108.7 | 123.7 | 123.8 | 125.4 | 125.5 | 121.2 | 121.0 | 120.4 |
| 18S 38W 36DDD 01 | TO | 3374. | 129 | 78 | 82.4 | 83.0 | 83.1 | 83.1 | 83.7 | 83.8 | 84.1 | 84.3 |
| 19S 35W 01AAA 01 | TO | 3165. | 134 | 83 | 100.2 | 114.0 | 115.3 | 115.0 | 116.0 | 115.4 | 115.5 | 115.5 |
| 19S 35W 08BBB 01 | TO | 3217. | 135 | 85 | | 97.1 | 95.2 | 95.9 | 95.9 | 96.0 | 96.9 | 98.2 |
| 19S 36W 15BAA 01 | TO | 3236. | 112 | 71 | | 77.9 | 77.3 | 78.6 | 78.9 | 78.8 | 79.1 | 79.8 |
| 19S 37W 22AAB 01 | TO | 3330. | 138 | 98 | | 102.8 | 102.8 | 101.8 | 101.0 | 100.6 | 100.4 | 100.2 |
| 19S 38W 26CCB 01 | TO | 3408. | 173 | 96 | | 103.2 | 102.7 | 101.6 | 102.4 | | 99.0 | 108.0 |
| 19S 38W 31CBC 01 | TO | 3463. | 205 | 140 | | 138.8 | 139.5 | 139.1 | 139.7 | 139.0 | 139.2 | 139.2 |
| 20S 35W 15BBB 01 | TO | 3129. | | | | 68.0 | 68.0 | 68.2 | 68.0 | 68.1 | 68.2 | 67.9 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, WICHITA COUNTY -- CONTINUED

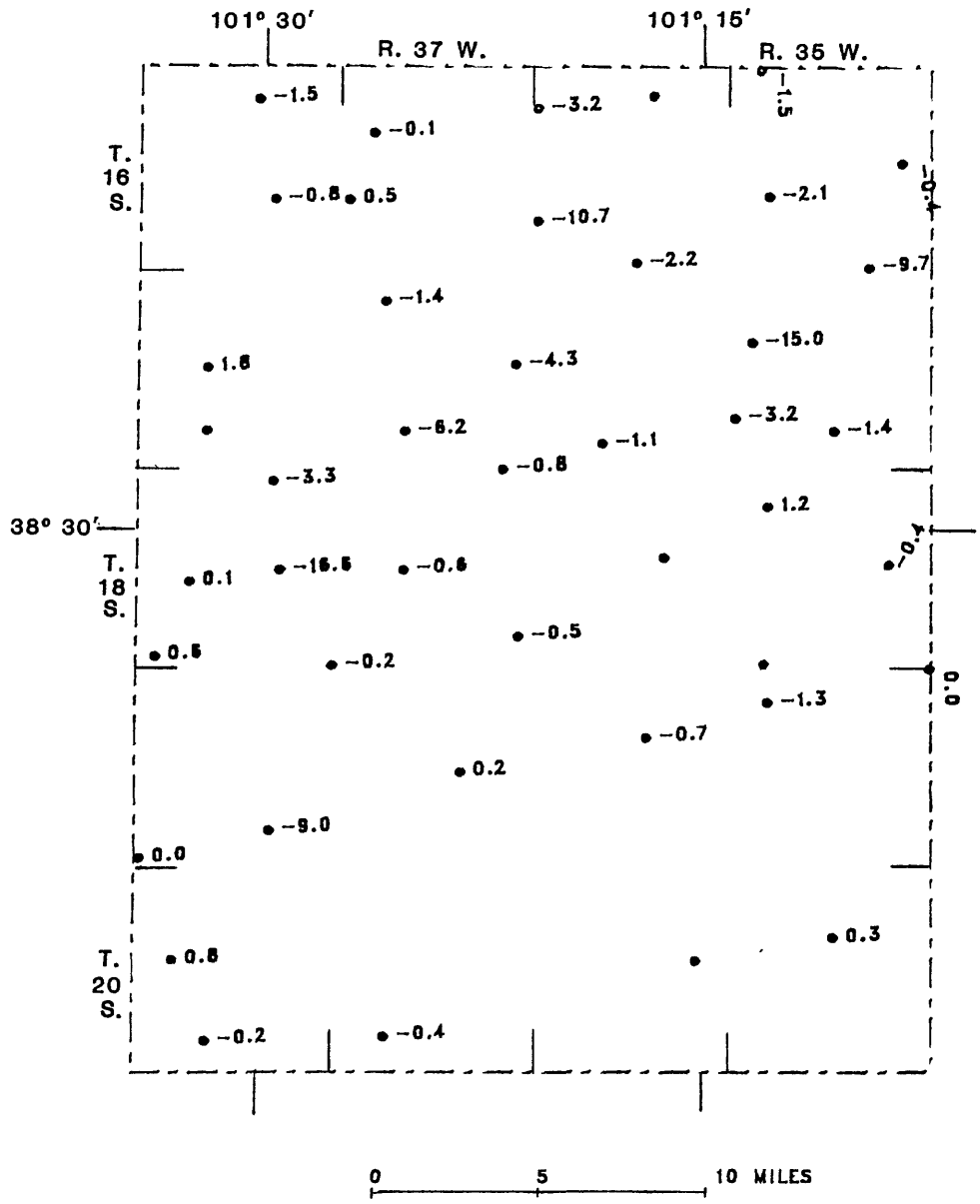
| WELL NUMBER | GEOLOGIC UNIT | LAND SURFACE ALTITUDE (FEET) | DEPTH TO BEDROCK (FEET) | DEPTH TO WATER 1950 (FEET) | DEPTH TO WATER 1966 (FEET) | DEPTH TO WATER 1982 (FEET) | DEPTH TO WATER 1983 (FEET) | DEPTH TO WATER 1984 (FEET) | DEPTH TO WATER 1985 (FEET) | DEPTH TO WATER 1986 (FEET) | DEPTH TO WATER 1987 (FEET) | DEPTH TO WATER 1988 (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20S 36W 14DAD 01 | TO | 3225. | 108 | 94 | 94.2 | 96.8 | 98.4 | 96.8 | 96.8 | 98.2 | 99.3 | |
| 20S 37W 29DCC 01 | TO | 3359. | 139 | 98 | | 112.9 | 110.7 | 110.4 | 110.3 | 107.4 | 105.6 | 106.0 |
| 20S 38W 17CBD 01 | TO | 3442. | 232 | 135 | | 142.0 | | 141.3 | 141.3 | 141.1 | 141.2 | 140.4 |
| 20S 38W 33BBA 01 | TO | 3424. | 205 | 126 | 134.0 | 141.3 | 140.6 | 140.4 | 140.6 | 139.7 | 139.7 | 139.9 |

TABLE 1.-- SELECTED HYDROLOGIC DATA, WICHITA COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1950-88 (FEET) | WATER-LEVEL CHANGE 1966-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1950-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1966-88 (FEET/YEAR) | SATURATED THICKNESS IN 1950 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1950-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16S 35W 06AAB 01 | TO | 84.7 | -14 | -3.2 | -1.5 | -.4 | -.1 | 47 | 33 | -30 |
| 16S 35W 13CCC 01 | TO | 159.2 | -41 | -32.6 | -.4 | -1.1 | -1.5 | 52 | 11 | -79 |
| 16S 35W 20CCC 01 | TO | 162.4 | -59 | -37.7 | -2.1 | -1.6 | -1.7 | 86 | 27 | -69 |
| 16S 36W 03DCC 01 | TO | | | | | | | | | |
| 16S 36W 07BCB 01 | TO | 120.6 | -41 | -28.8 | -3.2 | -1.1 | -1.3 | 60 | 19 | -68 |
| 16S 36W 30CBC 01 | TO | 165.2 | -78 | -55.9 | -10.7 | -2.1 | -2.5 | 131 | 53 | -60 |
| 16S 36W 34CCC 02 | TO | 140.1 | | | -2.2 | | | | | |
| 16S 37W 17BBB 01 | TO | 146.0 | -60 | -45.0 | -.1 | -1.6 | -2.0 | 108 | 48 | -56 |
| 16S 37W 30BAB 01 | TO | 154.8 | | | .5 | | | | | |
| 16S 38W 10ABB 01 | TO | 147.9 | -65 | -51.5 | -1.5 | -1.7 | -2.3 | 125 | 60 | -52 |
| 16S 38W 26BBB 01 | TO | 142.0 | -67 | -30.0 | -.8 | -1.8 | -1.4 | 122 | 55 | -55 |
| 17S 35W 02BBB 01 | TO | 163.0 | -54 | | -9.7 | -1.4 | | 80 | 26 | -68 |
| 17S 35W 18ACB 01 | TO | 161.0 | -64 | -50.2 | -15.0 | -1.7 | -2.3 | 98 | 34 | -65 |
| 17S 35W 27CCC 01 | TO | 145.9 | -55 | -36.3 | -1.4 | -1.4 | -1.7 | 119 | 64 | -46 |
| 17S 35W 30CBB 01 | TO | 166.8 | -73 | -40.2 | -3.2 | -1.9 | -1.8 | 124 | 51 | -59 |
| 17S 36W 33BCB 01 | TO | 147.0 | -49 | -33.7 | -1.1 | -1.3 | -1.5 | 110 | 61 | -45 |
| 17S 37W 08BAA 01 | TO | 135.5 | -52 | -34.3 | -1.4 | -1.4 | -1.6 | 112 | 61 | -46 |
| 17S 37W 13CDD 01 | TO | 115.1 | -45 | | -4.3 | -1.2 | | 105 | 60 | -43 |
| 17S 37W 28CCC 01 | TO | 144.4 | -59 | -46.0 | -6.2 | -1.6 | -2.1 | 105 | 46 | -56 |
| 17S 38W 21BBB 01 | TO | 127.7 | -28 | -27.3 | 1.8 | -.7 | -1.2 | 65 | 37 | -43 |
| 17S 38W 29CCC 01 | TO | 146.2 | -41 | -32.6 | | -1.1 | -1.5 | 85 | 44 | -48 |
| 18S 35W 08BBC 02 | TO | 135.8 | -54 | | 1.2 | -1.4 | | 104 | 50 | -52 |
| 18S 35W 14DCD 01 | TO | 116.2 | -36 | -25.1 | -.4 | -.9 | -1.1 | 57 | 21 | -63 |
| 18S 35W 31DDD 01 | TO | | | | | | | | | |
| 18S 36W 15DAD 01 | TO | | | | | | | | | |
| 18S 37W 01BBB 01 | TO | 140.5 | -61 | -32.1 | -.8 | -1.6 | -1.5 | 94 | 34 | -64 |
| 18S 37W 21BBB 01 | TO | 158.7 | -74 | -45.1 | -.6 | -1.9 | -2.1 | 90 | 16 | -82 |
| 18S 37W 36ABB 01 | TO | 109.3 | -33 | -20.0 | -.5 | -.9 | -.9 | 79 | 46 | -42 |
| 18S 38W 02BCC 01 | TO | 154.7 | -60 | -39.0 | -3.3 | -1.6 | -1.8 | 104 | 44 | -58 |
| 18S 38W 20ACC 02 | TO | 130.2 | -40 | -21.5 | .1 | -1.1 | -1.0 | 79 | 39 | -51 |
| 18S 38W 23BAB 01 | QA,TO | 42.3 | -19 | | -16.6 | -.5 | | 85 | 66 | -22 |
| 18S 38W 31DBC 01 | TO | 120.4 | -11 | -11.7 | .6 | -.3 | -.5 | 39 | 28 | -28 |
| 18S 38W 36DDD 01 | TO | 84.3 | -6 | -1.9 | -.2 | -.2 | -.1 | 51 | 45 | -12 |
| 19S 35W 01AAA 01 | TO | 115.5 | -33 | -15.3 | 0.0 | -.9 | -.7 | 51 | 19 | -63 |
| 19S 35W 08BBB 01 | TO | 98.2 | -13 | | -1.3 | -.3 | | 50 | 37 | -26 |
| 19S 36W 15BAA 01 | TO | 79.8 | -9 | | -.7 | -.2 | | 41 | 32 | -22 |
| 19S 37W 22AAB 01 | TO | 100.2 | -2 | | .2 | -.1 | | 40 | 38 | -5 |
| 19S 38W 26CCB 01 | TO | 108.0 | -12 | | -9.0 | -.3 | | 77 | 65 | -16 |
| 19S 38W 31CBC 01 | TO | 139.2 | 1 | | 0.0 | | | 65 | 66 | 2 |
| 20S 35W 15BBB 01 | TO | 67.9 | | | .3 | | | | | |

TABLE 1.-- SELECTED HYDRCLOGIC DATA, WICHITA COUNTY -- CONTINUED

| WELL NUMBER | GEOLOGIC UNIT | DEPTH TO WATER IN 1988 (FEET) | WATER-LEVEL CHANGE 1944-88 (FEET) | WATER-LEVEL CHANGE 1974-88 (FEET) | WATER-LEVEL CHANGE 1987-88 (FEET) | MEAN ANNUAL WATER-LEVEL CHANGE 1944-88 (FEET/YEAR) | MEAN ANNUAL WATER-LEVEL CHANGE 1974-88 (FEET/YEAR) | SATURATED THICKNESS IN 1944 (FEET) | SATURATED THICKNESS IN 1988 (FEET) | PERCENTAGE CHANGE IN SATURATED THICKNESS 1944-88 |
|---|---|---|---|---|---|---|---|---|---|---|
| 20S 36W 14DAD 01 | TO | | | | | | | | | |
| 20S 37W 29DCC 01 | TO | 106.0 | -8 | | -.4 | -.2 | | 41 | 33 | -20 |
| 20S 38W 17CBD 01 | TO | 140.4 | -5 | | .8 | -.1 | | 97 | 92 | -5 |
| 20S 38W 33BBA 01 | TO | 139.9 | -14 | -5.9 | -.2 | -.4 | -.3 | 79 | 65 | -18 |




WATER–LEVEL CHANGE IN WICHITA COUNTY, 1987–88