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# *Water-Level Decline and Pumpage in Deep Wells in Northern Illinois, 1966-1971*

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ILLINOIS STATE WATER SURVEY
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# WATER-LEVEL DECLINE AND PUMPAGE IN DEEP WELLS IN NORTHERN ILLINOIS, 1966-1971

by R. T. Sasman, C. R. Benson, G. L. Dzurisin, and N. E. Risk

## SUMMARY

This report considers water-level declines from the end of 1966 through 1971 in deep sandstone wells penetrating the Cambrian-Ordovician aquifer, the most highly developed aquifer for large groundwater supplies in northern Illinois. Twenty northern counties are included with emphasis being placed on the 8-county Chicago region in northeastern Illinois. The Cambrian-Ordovician aquifer is encountered at depths ranging from less than 100 feet in areas of northwestern Illinois to an average of about 500 feet below land surface at Chicago; it has an average thickness of 1000 feet and is composed chiefly of sandstones and dolomites.

Pumpage from deep wells in northern Illinois increased from 200,000 gallons per day (gpd) in 1864 to 215.4 million gallons per day (mgd) in 1966; 62 percent of the 1966 pumpage was from wells in the Chicago region. As a result, artesian pressure in the Cambrian-Ordovician aquifer in Chicago has declined about 750 feet. Pumpage from deep wells in the Chicago region is concentrated in seven general areas: Chicago, Joliet, Elmhurst, Des Plaines, Aurora, Mundelein, and Elgin. Heavy pumpage from deep wells outside the Chicago region occurs at Rockford, Freeport, Belvidere, Sterling, Dixon, De Kalb-Sycamore, Rochelle, and Ottawa-Peru. Numerous other municipalities and industries throughout northern Illinois pump small to moderate quantities of water from deep wells.

During the period from 1966 through 1971, pumpage from deep wells in northern Illinois increased to 239.0 mgd, an increase of 23.6 mgd or 11 percent more than the 1966 pumpage. Pumpage in the Chicago region increased to 150.7 mgd, an increase of 12.5 percent since 1966. This increase has resulted in excessive water-level declines in some deep wells. For the Chicago region, average annual water-level declines during the 5-year period ranged from 4 feet in Grundy County to 14 feet in Lake County and averaged about 9 feet. Water levels in 11 selected observation wells outside the Chicago region declined an average of 1 foot per year during the same period.

Withdrawals since 1966 within the Chicago region exceeded the practical sustained yield of the Cambrian-Ordovician aquifer, as they have each year since 1958, with the result that groundwater users continue to mine water and to borrow water from future generations. By the end of 1966, the upper units of the aquifer were already being dewatered in many areas. If the distribution of pumpage remains the same and pumpage continues to increase as indicated by recent trends, the principal water-yielding units of the aquifer will be partially dewatered in many areas much sooner than previously anticipated. Pumping levels exceeded 1000 feet below the surface in a few wells in 1971; such levels will be common within the next 5 years.

## INTRODUCTION

In May 1959 the State Water Survey and State Geological Survey issued a Cooperative Groundwater Report[1] which discussed the geology and hydrology of the groundwater resources of the Chicago region, the yields of aquifers, and the possible consequences of future groundwater development. Special emphasis was placed on the deep water-yielding aquifers which have been most widely used for large groundwater supplies. Cooperative Report 1 indicated that pumpage from deep wells during 1958 approached the amount that could be continuously withdrawn without eventually dewatering the lowermost and most productive formation of the deep aquifer. Future (1958-1980) water-level declines, ranging from 190 feet at Elgin to 300 feet at Chicago and Des Plaines, were predicted. It was recognized that actual water-level declines would vary from the predicted declines if future distribution and rates of pumpage deviated from extrapolations of past groundwater use. As a result of the findings of Cooperative Report 1, the program of collecting and reporting water-level and pumpage data, which is one of the functions of the State Water Survey, was accelerated for deep wells in the Chicago region in 1959 and has been conducted on a continuing basis since.

The objectives of this program are 1) to provide a continuous evaluation of trends in water levels and pumpage, 2) to delineate problem areas, 3) to provide long-term continuous records of fluctuations of water levels and pumpage, and 4) to collect and report all hydrologic information which will facilitate the planning and development of the water resources of the deep aquifer in the Chicago region. The program continues to be urgent because of the progressively increasing demands for water supplies and the continuing decline of water levels.

Four reports on water levels and pumpage have been issued by the State Water Survey subsequent to Cooperative Report 1. These were Circulars 79, 83, 85, and 9A[2,3,4,5] which summarized trends in water levels and pumpage from deep wells during 1959, 1960, 1961, and 1962-1966, respectively. In addition, Reports of Investigation 50 and 52[6,7] summarized trends in groundwater pumpage in 17 counties of northern Illinois through 1962 and 1963, respectively, with specific sections describing pumpage from deep wells.

Because of increasing expansion of urban development, the outward migration of deepening water levels, and increasing interest in regional water resources development, this report covers a 20-county area of northern Illinois, from Lake Michigan to the Mississippi River and from the Wisconsin border to a line generally east-west across the southern borders of Kankakee, La Salle, and Whiteside Counties. Pumpage

and water-level data are related to counties and townships rather than general pumping centers, as was done in previous reports, in order to permit better use of the data. This report includes the first detailed investigation of deep well water levels in northwestern Illinois and in Kankakee County.

The eight counties of the Chicago region, with the abbreviations used in this report, are:

| | | | |
|---|---|---|---|
| Cook | COK | Kendall | KEN |
| Du Page | DUP | Lake | LKE |
| Grundy | GRY | McHenry | MCH |
| Kane | KNE | Will | WIL |

The 12 counties outside the Chicago area included in this report are:

| | | | |
|---|---|---|---|
| Boone | BNE | Lee | LEE |
| Carroll | CAR | Ogle | OGL |
| De Kalb | DEK | Rock Island | RIS |
| Jo Daviess | JDV | Stephenson | STE |
| Kankakee | KNK | Whiteside | WTS |
| La Salle | LAS | Winnebago | WIN |

Pumpage from deep wells in northern Illinois increased from 123.3 mgd in 1950 to 154.1 mgd in 1960, an average rate of increase of 3.1 mgd per year. Pumpage increased to 215.4 mgd by 1966, an average rate of increase of 10.2 mgd. Corresponding average annual rates of pumpage increase for the Chicago region are 2.7 and 5.9 mgd, respectively. The annual rate of increase in the Chicago region reached a record high of 11.0 mgd in 1959. Pumpage in the Chicago region has exceeded the sustained yield of the Cambrian-Ordovician aquifer every year since 1958.

As a result of this rapid rate of pumpage growth, water levels have declined drastically in many areas of the Chicago region. Average annual water-level declines for the period October 1958 to October 1966 ranged from 9 feet per year in the Aurora area to 19 feet per year in the Elmhurst area and averaged about 14 feet per year in the Chicago region. The 1958-1966 average decline was considerably greater than the average annual decline (10 feet) for the period 1945-1958. Water-level declines in northern Illinois outside the Chicago region varied from less than 1 foot to about 4 feet per year.

This report summarizes trends in water levels and pumpage from deep wells from the end of 1966 through 1971. A summary of the essential findings of previous publications regarding the deep aquifers is presented to serve as a background for interpretation of the records.

## GEOLOGY AND HYDROLOGY

Groundwater resources in northern Illinois are developed from four aquifer systems: 1) sand and gravel deposits of the glacial drift, 2) shallow dolomite aquifers of Silurian and Ordovician age, 3) sandstone aquifers of Cambrian and Ordovician age, of which the Ironton-Galesville and Glenwood-St. Peter sandstones are the most productive formations, and 4) the Mt. Simon aquifer, consisting of sandstones of the Mt. Simon and lower Eau Claire Formations of Cambrian age. The sequence, structure, and general characteristics of these rocks are shown in figures 1 and 2.

The Glenwood-St. Peter sandstone is present throughout northern Illinois, except in an area including southern Ogle and De Kalb Counties, and eastern Lee County. In some sections of the central part of the area, this sandstone is immediately below the glacial drift. The sandstone frequently exceeds 200 feet in thickness, and some wells in the sandstone yield several hundred gallons per minute (gpm). The Glenwood-St. Peter sandstone is the primary source of groundwater for many municipal and industrial supplies in the central and northwestern parts of the area.

The Ironton-Galesville sandstone overlies the Eau Claire Formation and underlies the Franconia Formation. It occurs throughout northern Illinois, and on a regional basis is the most consistently permeable and productive unit of the Cambrian and Ordovician rocks. Many of the high capacity municipal and industrial wells in northern Illinois obtain a major part of their yields from this formation.

Moderate to high yields are obtained from wells penetrating the Mt. Simon aquifer, particularly in Kane, Lee, Ogle, Whiteside, and Winnebago Counties. Water below an elevation of about 1300 feet below sea level in the Mt. Simon aquifer is commonly too salty for municipal use.

The sandstone aquifers receive water from overlying glacial deposits in the central and western parts of northern Illinois, west of the border of the Maquoketa Formation. Recharge of the glacial drift occurs from precipitation that falls locally. In northeastern Illinois, the sandstone aquifers receive water both from vertical leakage through the overlying Maquoketa Formation and from horizontal movement of water east and south from recharge areas in north-central Illinois and southern Wisconsin. Vertical leakage is appreciable under the influence of large differentials in head between the shallow deposits and the deep sandstone aquifers.[8] The primary area of recharge to the deep sandstone aquifers of northeastern Illinois is in areas of Boone, De Kalb, Kane, Kendall, and McHenry Counties, Illinois, and in southeastern Wisconsin.

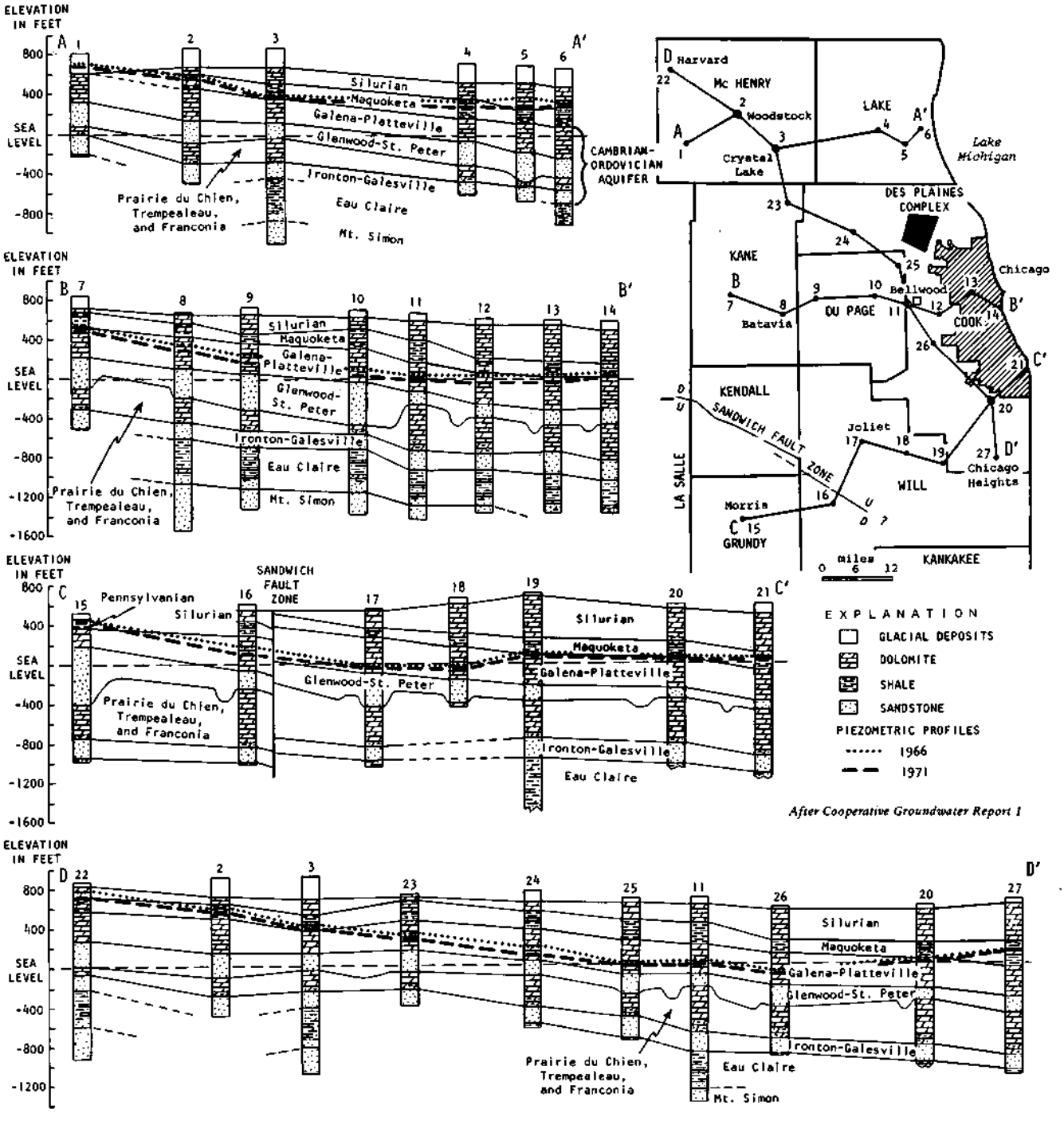


*Figure 1. Cross sections of the structure and stratigraphy of the bedrock and piezometric profiles of the Cambrian-Ordovician aquifer in the Chicago region*

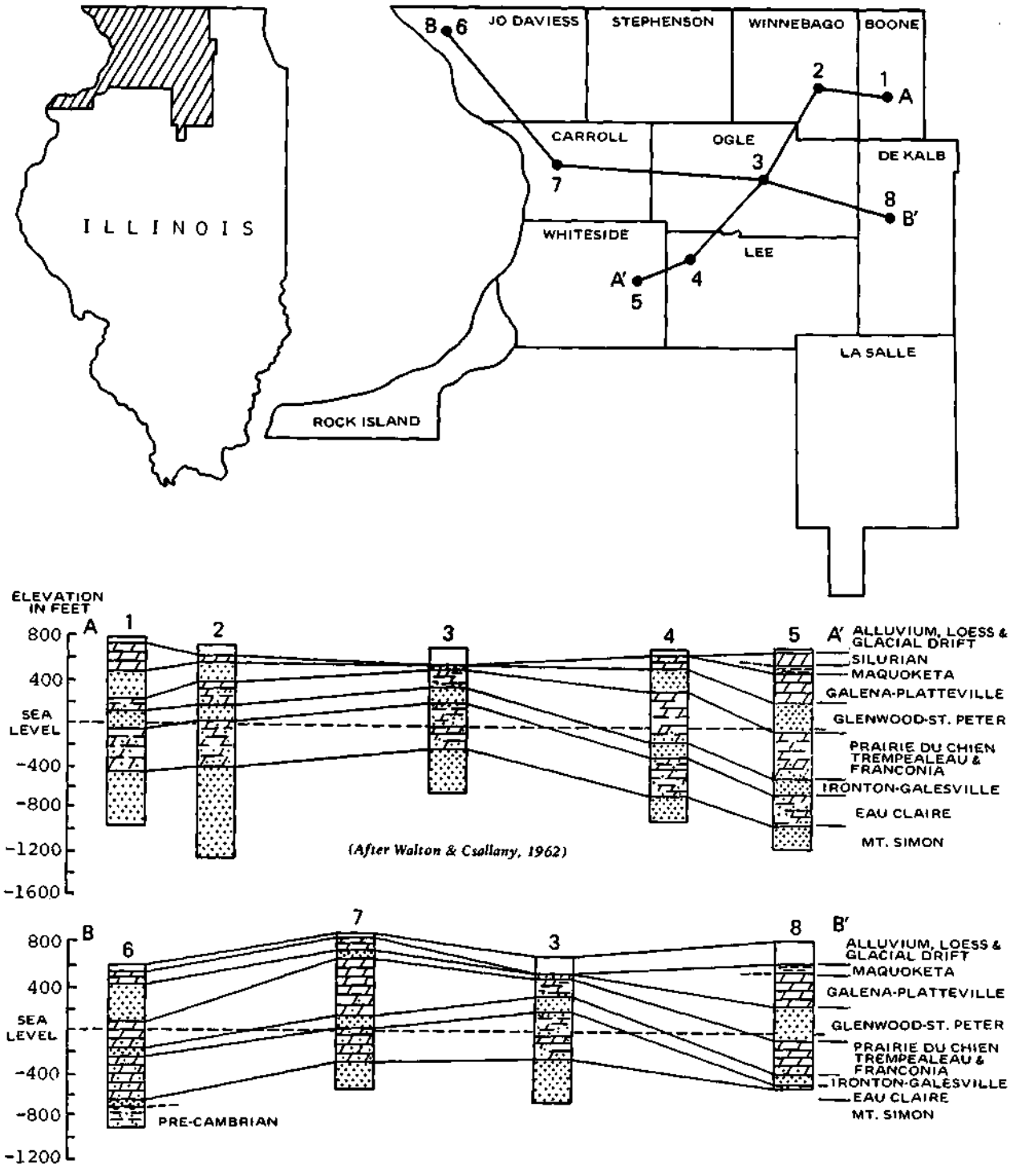


*Figure 2. Cross sections of the structure and stratigraphy of the bedrock in northwestern Illinois*

## PUMPAGE FROM DEEP WELLS

The first deep well in northern Illinois was drilled in Chicago in 1864 and had an artesian flow estimated at about 150 gpm, or about 200,000 gpd. A considerable number of deep wells were in operation by 1900, and pumpage was estimated at 30 mgd. Pumpage increased gradually at an average rate of 1.5 mgd per year during the first 40 years of this century and was 91.5 mgd in 1940. During the next 20 years, pumpage increased at an average rate of 3.1 mgd per year and was 154.1 mgd in 1960, as shown in figure 3. Pumpage increased at a very rapid rate of 10.2 mgd per year during the next 6 years and was 215.4 mgd in 1966.

Pumpage from deep wells in the 8-county area of the Chicago region increased at a rather irregular rate from 23.2 mgd in 1900 to 75.6 mgd in 1955, as shown in figure 4. During the next 11 years, pumpage increased 77 percent, at an average rate of 5.3 mgd per year, and was 133.9 mgd in 1966.

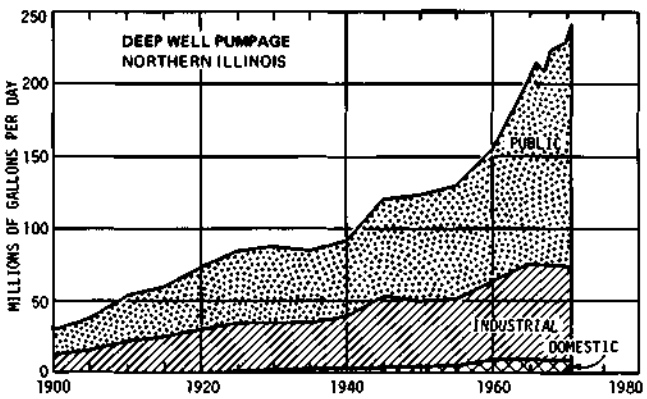


*Figure 3. Pumpage from deep wells in northern Illinois, 1900 through 1971, subdivided by use*

### Pumpage, 1966 through 1971

During the 5-year period from 1966 through 1971, pumpage from sandstone wells in northern Illinois increased from 215.4 mgd to 239.0 mgd, an average increase of 4.7 mgd per year. The greatest annual pumpage increase, 13.3 mgd, occurred in 1968, but that was after a 4.7 mgd decrease in 1967. Total pumpage in 1971 was 11 percent greater than total pumpage in 1966. The distribution of pumpage from deep wells from 1966 through 1971 is shown in table 1.

Pumpage in each of four counties, Cook, Kane, Will, and Winnebago, was more than 28 mgd in 1971 and totaled 146.2 mgd, or 61 percent of the deep

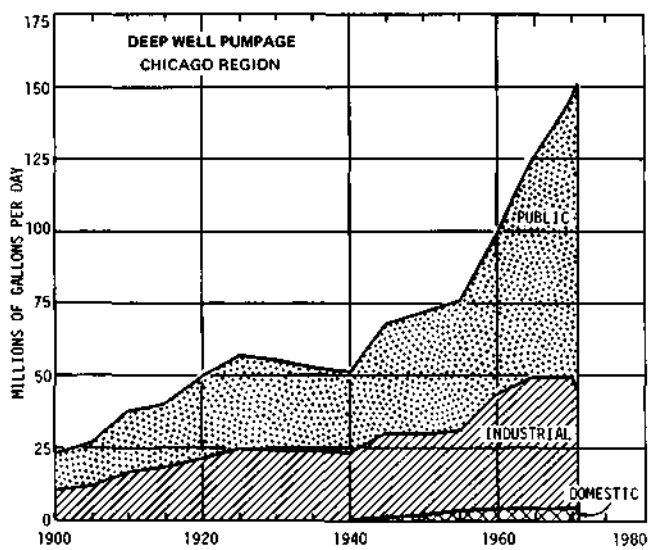


*Figure 4. Pumpage from deep wells in the Chicago region, 1900 through 1971, subdivided by use*

Table 1. Distribution of Pumpage from Sandstone Wells, Northern Illinois 1966-1971, Subdivided by Use

*(Pumpage in million gallons per day)*

| County | Public | Industrial | Domestic | Total | Public | Industrial | Domestic | Total | Public | Industrial | Domestic | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1966 | | | | 1967 | | | | 1968 | | |
| COK | 30.51 | 24.33 | 0.29 | 55.13 | 29.13 | 22.15 | 0.28 | 51.56 | 33.96 | 22.28 | 0.26 | 56.50 |
| DUP | 11.37 | 0.66 | 0.08 | 12.11 | 11.44 | 0.65 | 0.08 | 12.17 | 12.12 | 0.75 | 0.08 | 12.95 |
| GRY | 1.23 | 2.31 | 0.38 | 3.92 | 1.10 | 2.41 | 0.37 | 3.88 | 1.25 | 1.99 | 0.37 | 3.61 |
| KNE | 22.80 | 2.65 | 1.34 | 26.79 | 21.65 | 2.70 | 1.33 | 25.68 | 23.03 | 2.60 | 1.31 | 26.94 |
| KEN | 0.23 | 0.58 | 0.65 | 1.46 | 0.26 | 0.50 | 0.68 | 1.44 | 0.26 | 0.86 | 0.71 | 1.83 |
| LKE | 1.89 | 0.96 | 0.70 | 3.55 | 2.14 | 1.24 | 0.70 | 4.08 | 2.41 | 1.67 | 0.70 | 4.78 |
| MCH | 2.02 | 1.18 | 0.20 | 3.40 | 2.24 | 1.27 | 0.20 | 3.71 | 2.00 | 1.29 | 0.20 | 3.49 |
| WIL | 11.81 | 15.47 | 0.24 | 27.52 | 11.08 | 16.41 | 0.24 | 27.73 | 12.11 | 15.82 | 0.23 | 28.16 |
| Subtotal, Chicago Region | 81.86 | 48.14 | 3.88 | 133.88 | 79.04 | 47.33 | 3.88 | 130.25 | 87.14 | 47.26 | 3.86 | 138.26 |
| BNE | 3.46 | 0.90 | 0.57 | 4.93 | 3.52 | 0.75 | 0.54 | 4.81 | 4.34 | 0.92 | 0.53 | 5.79 |
| CAR | 1.35 | 0.18 | 0.12 | 1.65 | 1.26 | 0.17 | 0.12 | 1.55 | 1.28 | 0.34 | 0.12 | 1.74 |
| DEK | 6.67 | 0.33 | 1.21 | 8.21 | 6.23 | 0.33 | 1.16 | 7.72 | 6.69 | 0.29 | 1.12 | 8.10 |
| JDV | 1.62 | 0.08 | 0.12 | 1.82 | 1.57 | 0.07 | 0.13 | 1.77 | 1.67 | 0.06 | 0.12 | 1.85 |
| KNK | 0.09 | | | 0.09 | 0.10 | | | 0.10 | 0.11 | | | 0.11 |
| LAS | 6.00 | 6.79 | 0.48 | 13.27 | 6.14 | 6.02 | 0.47 | 12.63 | 6.43 | 5.04 | 0.46 | 11.93 |
| LEE | 2.65 | 1.74 | 0.61 | 5.00 | 2.70 | 1.65 | 0.58 | 4.93 | 2.75 | 1.16 | 0.56 | 4.47 |
| OGL | 5.73 | 1.38 | 0.56 | 7.67 | 5.69 | 1.39 | 0.56 | 7.64 | 5.58 | 1.52 | 0.54 | 7.64 |
| RIS | 0.42 | 0.78 | 0.08 | 1.28 | 0.44 | 0.78 | 0.09 | 1.31 | 0.52 | 2.51 | 0.09 | 3.12 |
| STE | 4.04 | 3.81 | 0.18 | 8.03 | 4.23 | 3.73 | 0.18 | 8.14 | 3.98 | 4.00 | 0.18 | 8.16 |
| WTS | 1.95 | 2.28 | 0.68 | 4.91 | 1.86 | 2.11 | 0.67 | 4.64 | 2.13 | 2.01 | 0.67 | 4.81 |
| WIN | 20.05 | 4.22 | 0.41 | 24.68 | 20.65 | 4.22 | 0.40 | 25.27 | 22.06 | 5.64 | 0.40 | 28.10 |
| Subtotal, Other | 54.03 | 22.49 | 5.02 | 81.54 | 54.39 | 21.22 | 4.90 | 80.51 | 57.54 | 23.49 | 4.79 | 85.82 |
| Total | 135.89 | 70.63 | 8.90 | 215.42 | 133.43 | 68.55 | 8.78 | 210.76 | 144.68 | 70.75 | 8.65 | 224.08 |
| | | 1969 | | | | 1970 | | | | 1971 | | |
| COK | 35.04 | 23.27 | 0.25 | 58.56 | 36.76 | 21.16 | 0.24 | 58.16 | 41.79 | 16.63 | 0.24 | 58.66 |
| DUP | 13.19 | 0.97 | 0.08 | 14.24 | 14.35 | 1.07 | 0.08 | 15.50 | 15.46 | 1.22 | 0.08 | 16.76 |
| GRY | 1.61 | 1.99 | 0.35 | 3.95 | 1.42 | 2.59 | 0.36 | 4.37 | 1.54 | 2.52 | 0.36 | 4.42 |
| KNE | 24.52 | 2.43 | 1.29 | 28.24 | 24.47 | 2.16 | 1.28 | 27.91 | 25.65 | 2.28 | 1.28 | 29.21 |
| KEN | 0.35 | 0.73 | 0.73 | 1.81 | 0.33 | 1.00 | 0.75 | 2.08 | 0.38 | 0.72 | 0.75 | 1.85 |
| LKE | 3.03 | 2.03 | 0.70 | 5.76 | 3.41 | 1.86 | 0.70 | 5.97 | 5.02 | 2.18 | 0.70 | 7.90 |
| MCH | 1.92 | 0.91 | 0.21 | 3.04 | 1.89 | 0.90 | 0.21 | 3.00 | 1.97 | 1.17 | 0.21 | 3.35 |
| WIL | 12.59 | 14.54 | 0.23 | 27.36 | 11.90 | 14.98 | 0.23 | 27.11 | 14.29 | 14.07 | 0.23 | 28.59 |
| Subtotal, Chicago Region | 92.25 | 46.87 | 3.84 | 142.96 | 94.53 | 45.72 | 3.85 | 144.10 | 106.10 | 40.79 | 3.85 | 150.74 |
| BNE | 4.20 | 0.62 | 0.54 | 5.36 | 4.42 | 0.62 | 0.53 | 5.57 | 4.20 | 0.52 | 0.53 | 5.25 |
| CAR | 1.33 | 0.32 | 0.12 | 1.77 | 1.42 | 0.29 | 0.12 | 1.83 | 1.69 | 0.16 | 0.12 | 1.97 |
| DEK | 6.62 | 0.33 | 1.11 | 8.06 | 6.94 | 0.24 | 1.02 | 8.20 | 7.16 | 0.29 | 1.02 | 8.47 |
| JDV | 1.60 | 0.06 | 0.13 | 1.79 | 1.75 | 0.08 | 0.13 | 1.96 | 1.98 | 0.05 | 0.13 | 2.16 |
| KNK | 0.11 | | | 0.11 | 0.09 | | | 0.09 | 0.10 | | | 0.10 |
| LAS | 6.42 | 4.67 | 0.46 | 11.55 | 6.44 | 4.56 | 0.45 | 11.45 | 6.59 | 5.44 | 0.45 | 12.48 |
| LEE | 3.15 | 0.61 | 0.58 | 4.34 | 3.15 | 0.75 | 0.57 | 4.47 | 3.16 | 0.71 | 0.57 | 4.44 |
| OGL | 5.54 | 1.10 | 0.54 | 7.18 | 5.57 | 1.09 | 0.53 | 7.19 | 5.35 | 1.11 | 0.53 | 6.99 |
| RIS | 0.49 | 2.52 | 0.09 | 3.10 | 0.36 | 2.40 | 0.09 | 2.85 | 0.35 | 2.23 | 0.09 | 2.67 |
| STE | 3.96 | 4.71 | 0.18 | 8.85 | 4.11 | 4.21 | 0.18 | 8.50 | 3.93 | 4.92 | 0.18 | 9.03 |
| WTS | 2.32 | 2.03 | 0.68 | 5.03 | 2.26 | 2.18 | 0.66 | 5.10 | 2.11 | 2.24 | 0.66 | 5.01 |
| WIN | 21.05 | 5.59 | 0.40 | 27.04 | 22.25 | 5.11 | 0.39 | 27.75 | 25.65 | 3.68 | 0.39 | 29.72 |
| Subtotal, Other | 56.79 | 22.56 | 4.83 | 84.18 | 58.76 | 21.53 | 4.67 | 84.96 | 62.27 | 21.35 | 4.67 | 88.29 |
| Total | 149.04 | 69.43 | 8.67 | 227.14 | 153.29 | 67.25 | 8.52 | 229.06 | 168.37 | 62.14 | 8.52 | 239.03 |

well pumpage in northern Illinois. Pumpage in Cook County, the highest of the 20 counties, was almost double that of Winnebago, which had the second highest pumpage. In addition to these four counties, the 1971 pumpage exceeded 12 mgd in Du Page and La Salle Counties. Pumpage from deep wells was least in Kankakee County, with less than 1.0 mgd in 1971.

Pumpage increased in 16 counties during the period, with the increases ranging from less than 10,000 gpd to 5.0 mgd or from 2 to 122 percent. Winnebago County had the greatest increase, followed by Du Page and Lake Counties, all of which had increases greater than 4.0 mgd. Increases of more than 1.0 mgd also occurred in Cook, Kane, Rock Island, and Will Counties. Lake County had the greatest percentage increase in pumpage, 126 percent, and Rock Island County was the only other county that had an increase of more than 100 percent. The next highest pumpage increases, of 20 to 40 percent, occurred in Du Page, Kendall, Jo Daviess, and Winnebago Counties. Pumpage in La Salle, Lee, McHenry, and Ogle Counties decreased between 1966 and 1971 in amounts ranging from 50,000 gpd in McHenry County to 0.79 mgd in La Salle County. The decreases in these four counties varied up to 11 percent.

The distribution of pumpage subdivided by use is shown for 1900-1971 in figures 3 and 4 and for 1966-1971 in table 1. In 1971, withdrawals from public water-supply systems in northern Illinois amounted to 70 percent of the total deep well pumpage, industrial pumpage amounted to 26 percent, and domestic pumpage 4 percent.

During the 5-year period since 1966, there were 147 new deep wells drilled in northern Illinois. Of these wells, 61 were drilled to augment existing municipal water-supply systems or to develop new ones, 26 were for other public supplies, and 60 were for industrial and commercial purposes; 95 of these new wells were located in the Chicago region. Many of the existing deep wells and deep well pumps were rehabilitated to meet increased demands. Eleven public supply systems and 15 industries discontinued withdrawing water from the deep sandstone during the 5-year period.

Deep well pumpage in the 8-county Chicago region increased from 133.9 mgd in 1966 to 150.7 mgd in 1971, at an average rate of 3.4 mgd per year. Pumpage increased 8.0 mgd in 1968 and 6.6 mgd in 1971. The 1968 increase was preceded by a 3.6 mgd decrease in 1967. Pumpage in 1971 was 13 percent more than in 1966.

During the 5-year period from 1961 through 1966, pumpage in this same area increased 29 percent. Table 2 compares the changes during the two 5-year periods for each of the counties of the metropolitan area. Rates of pumpage growth during 1966-1971 were less than during the preceding period in Cook, Grundy, Kane, Lake, McHenry, and Wi11 Counties.

Table 2. Rates of Change in Pumpage from Deep Wells in the Chicago Region

| County | Rate of change in percent 1961-1966 Public | Industrial | Total* | 1966-1971 Public | Industrial | Total* |
|---|---|---|---|---|---|---|
| Cook | 43 | 19 | 31 | 37 | -31 | 6 |
| Du Page | 32 | 17 | 32 | 36 | 71 | 38 |
| Grundy | 20 | 64 | 46 | 25 | 9 | 14 |
| Kane | 22 | 13 | 21 | 12 | -12 | 10 |
| Kendall | 100 | <1 | 14 | 100 | 17 | 38 |
| Lake | 533 | 50 | 211 | 163 | 144 | 157 |
| McHenry | 67 | 50 | 60 | <1 | <1 | <1 |
| Will | 28 | 15 | 20 | 21 | -9 | 4 |
| Chicago Region | 35 | 20 | 29 | 30 | -15 | 13 |

**Exclusive of domestic pumpage*

Previous reports on deep well pumpage in northeastern Illinois grouped the pumpage into pumping centers for comparative purposes. With increased capabilities for data analysis, public and industrial pumpage in the Chicago region was tabulated by township for 1966 and 1971 and is shown in figures 5 and 6. The approximate boundaries of the six primary pumping centers identified in earlier reports are also shown.

Of the 134 full or partial townships in the Chicago region, records indicate that 1971 deep well pumpage of more than 10,000 gpd occurred in 86, and more than 1.0 mgd in 33 townships. Nine townships had pumpage of more than 5.0 mgd and *k* had more than 10.0 mgd. Pumpage continues to be concentrated in northern and western Cook County, eastern Du Page and Kane Counties, and around Joliet in Will County.

In the 33 townships with more than 1.0 mgd pumpage in 1971, pumpage increased in 24 and decreased in 9 since 1966. Increases occurred in 5 of the 9 townships that pumped more than 5.0 mgd in 1971. Pumpage increases of 2.1 to 4.1 mgd occurred in 5 townships, COK35N14E, C0K41N11E, C0K42N11E, DUP39N11E, and LKE44N11E. Decreases of 2.6 and 3.2 mgd occurred in C0K41N12E and C0K38N14E, respectively. Des Plaines started purchasing a major portion of its water supply from Chicago in 1967, which accounts for the decrease in C0K41N12E. The decrease in C0K38N14E is primarily the result of moving the stock yards out of Chicago.

***Public Pumpage.*** Public pumpage in northern Illinois in 1971 was 168.*k* mgd, an increase of *2k* percent over the 1966 pumpage. The increase averaged 6.5 mgd per year. The greatest increases occurred in Cook, Du Page, Lake, Kane, Will, and Winnebago Counties, ranging from 11.3 mgd in Cook County to 2.5 mgd in Will County. Increases of 0.7 mgd to less than 10,000 gpd occurred in 10 counties. Decreases in

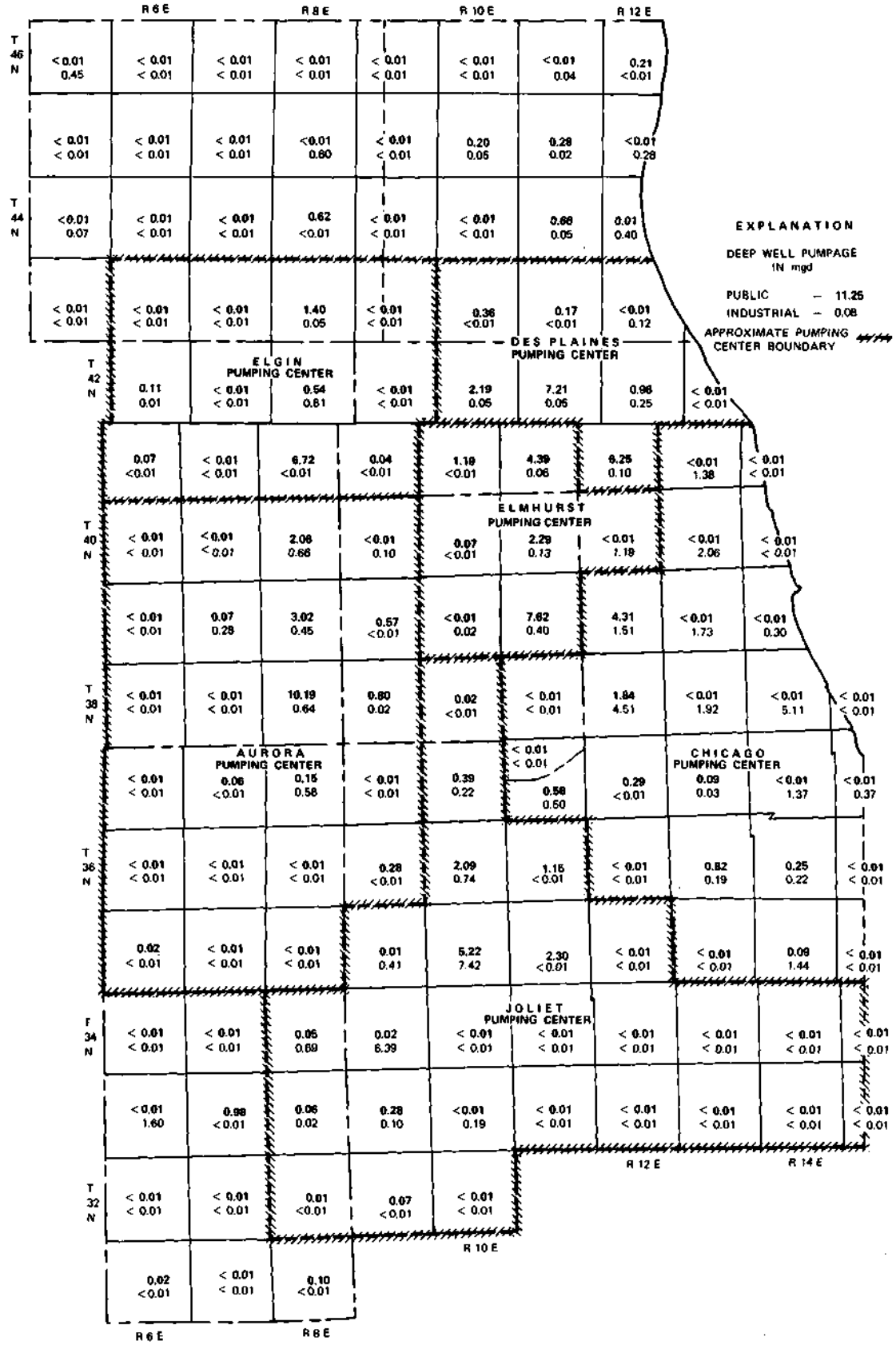


*Figure 5. Distribution of pumpage from deep wells in the Chicago region, 1966*

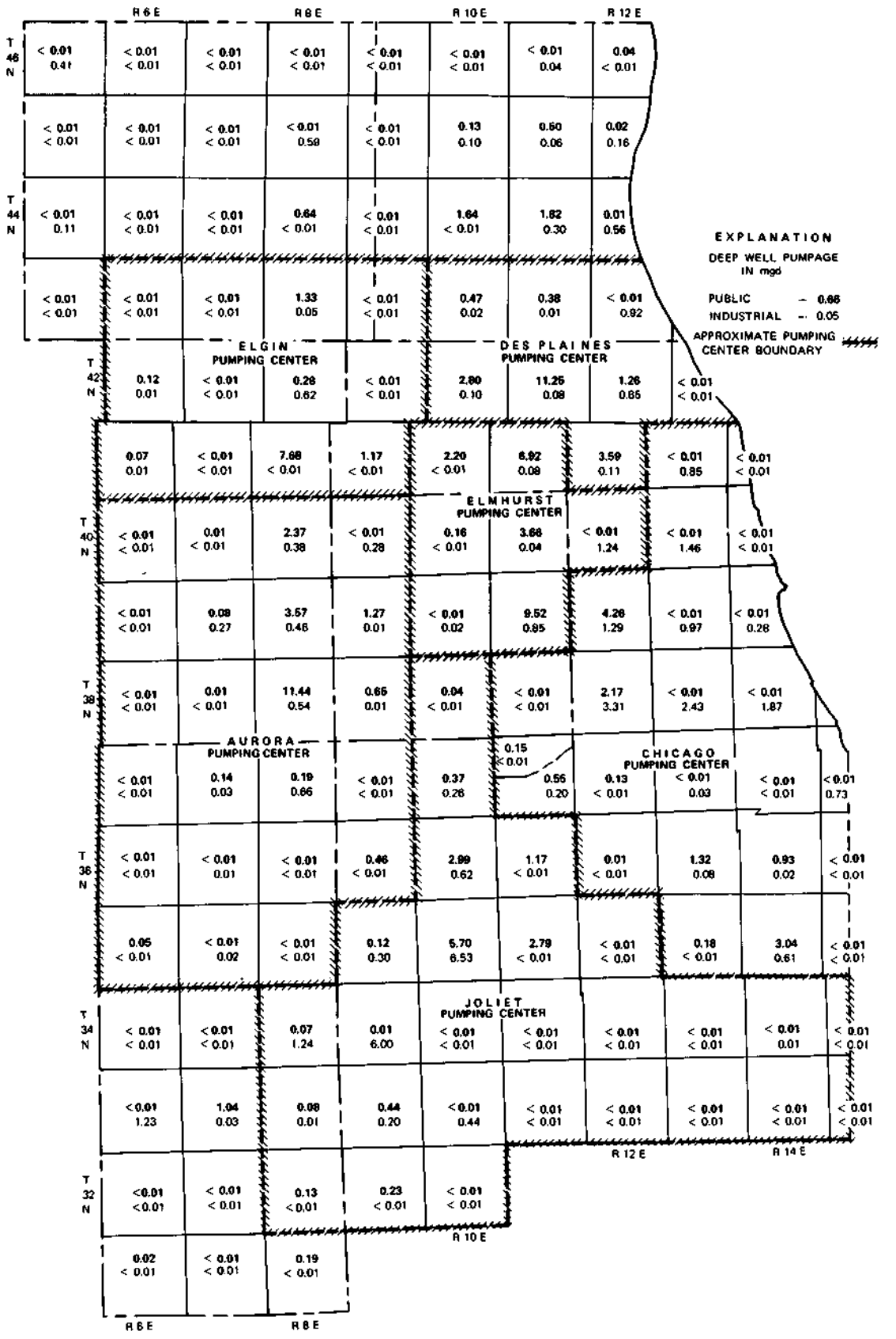


*Figure 6. Distribution of pumpage from deep wells in the Chicago region, 1971*

public pumpage, of 0.4 to 0.05 mgd, occurred in McHenry, Ogle, Rock Island, and Stephenson Counties.

Public use includes municipal, subdivision, and institutional pumpage. No attempt has been made to determine the final use of water within these categories. Available records indicate that the public supplies in northern Illinois that obtained water from deep wells in 1971 included 158 municipalities, 49 subdivisions, and 81 institutions. Fifty-two percent of these systems are located in the Chicago region.

Forty-two public supply systems pumped more than 1.0 mgd from their deep wells during 1971 and had a combined pumpage of 132.5 mgd. The pumpage for these 42 systems increased nearly 21 percent since 1966 and accounted for 79 percent of the deep well pumpage for all public water supplies. Thirty-nine of these systems were for municipalities, two were for subdivisions, and one was for an institution. Thirty-one of these systems are located in the Chicago region.

Municipal pumpage in northern Illinois increased from 127.5 mgd in 1966 to 156.8 mgd in 1971 at an average rate of 5.9 mgd per year. The 1971 municipal pumpage was 93 percent of the total public pumpage.

Public pumpage in the Chicago region increased from 81.9 mgd in 1966 to 106.1 mgd in 1971, an increase of nearly 30 percent. Ninety-one percent of the 1971 public pumpage was for municipal supplies. Twenty-eight municipalities, two subdivisions, and one institution pumped more than 1.0 mgd in 1971; nine of these municipalities pumped more than 3.0 mgd and four pumped more than 6.0 mgd.

In the Chicago region, the greatest increases in pumpage for public supplies were for Arlington Heights, East Chicago Heights, Elk Grove Village, Elmhurst, Joliet, and Mundelein, where increases of more than 1.0 mgd were recorded for the 5-year period. Pumpage at Arlington Heights increased more than 2.0 mgd and pumpage at Mundelein increased almost 2.0 mgd. Seven other municipalities recorded increases of 0.5 to 1.0 mgd, including three in Cook County and two each in Du Page and Kane Counties. Bellwood had a slight decrease in pumpage and Des Plaines had a decrease of more than 3.0 mgd. Des Plaines has purchased increasing amounts of water from Chicago since 1967.

***Industrial Pumpage.*** In northern Illinois industrial pumpage was 62.1 mgd in 1971, a decrease of 12 percent from the 1966 industrial pumpage. Pumpage was at a high of 70.7 mgd in 1968 and has declined at an increasing rate since then. The rate of decline averaged 1.9 mgd per year during the past three years.

Between 1966 and 1971, industrial pumpage increased in only six counties, in amounts ranging from 0.1 to 1.5 mgd. Increases of more than 1.0 mgd occurred in

Lake, Rock Island, and Stephenson Counties. In the other 14 counties of northern Illinois, pumpage decreased in amounts ranging from 7.7 mgd to less than 10,000 gpd. Greatest decreases were 7.7 mgd in Cook County, 1.4 mgd in La Salle County, 1.4 mgd in Will County, and 1.0 mgd in Lee County.

The number of industries that reported pumpage greater than 1.0 mgd decreased from 18 in 1966 to 11 in 1971. The pumpage of these major industries represented 47 percent of the industrial pumpage in 1966 and 39 percent in 1971. Seven of the 11 industries reported a decrease in pumpage and 3 reported an increase; one industry was new since 1966. Of the other 7 industries that pumped more than 1.0 mgd in 1966, 5 reduced their pumpage to amounts ranging from 0.4 to 1.0 mgd by 1971, one closed completely, and one discontinued the use of its groundwater supply. Eight of the largest water-using industries are located in the Chicago region and their combined pumpage was 19.3 mgd in 1971.

Industrial pumpage in the Chicago region decreased 15 percent since 1966 and was 40.8 mgd in 1971. Pumpage in this area decreased each year during the 5-year period, varying from 70,000 gpd in 1968 to 4.9 mgd in 1971. Pumpage declined in Cook, Kane, and Will Counties, and increased in four counties in amounts ranging from 0.1 mgd in Kendall County to 1.2 mgd in Lake County. Industrial pumpage in McHenry County remained about constant.

Table 2 compares the rate of change in industrial pumpage growth for the periods 1961-1966 and 1966-1971. Slight increases in the rate of growth occurred in Du Page, Kendall, and Lake Counties. Decreases in the growth rate occurred in Cook, Grundy, McHenry, and Will Counties, and for the region as a whole.

***Domestic Pumpage.*** In 1971, domestic pumpage from deep wells was 8.5 mgd, less than 4 percent of the total pumpage in northern Illinois. This pumpage is primarily for individual residences remote from public water supplies and for farms, including water for livestock. Pumpage was estimated from the 1960 and 1970 rural population as reported by the U. S. Bureau of Census and from the livestock population as reported by the Illinois Cooperative Crop Reporting Service. Consideration was given to the relative importance of sandstone aquifers to other aquifers throughout northern Illinois. Domestic pumpage has remained fairly steady in recent years.

## Pumpage Related to Practical Sustained Yield, 1971

In Cooperative Report 1 it was estimated that the practical sustained yield of the Cambrian-Ordovician aquifer in the Chicago region (46 mgd) would be developed when the total pumpage from deep wells was about 81 mgd. The practical sustained

yield of the aquifer is the maximum amount of water that can be withdrawn without eventually dewatering the most productive water-yielding formation, the Ironton-Galesville sandstone. The practical sustained yield is largely limited by the rate at which water can move from recharge areas eastward through the aquifer to pumping centers.

Estimates in Cooperative Report 1, based on past records of pumpage and water levels, indicated that the practical sustained yield would be exceeded by 1965. However, total pumpage from deep wells in every year since 1958 actually exceeded the withdrawal rate anticipated for 1965. Thus, the practical sustained yield of the aquifer has been exceeded each year since 1958. Sustained pumping at these excessive rates has already resulted in dewatering the St. Peter sandstone in some parts of the Chicago region and will result in dewatering the Ironton-Galesville sandstone in many areas much sooner than anticipated in Cooperative Report 1, with a great and continual reduction in yields of wells.

## WATER LEVELS IN DEEP WELLS

In 1864 the artesian pressure in the Cambrian-Ordovician aquifer was sufficient to cause wells to flow above the ground surface in many parts of the Chicago region. The average elevation of water levels in deep wells at Chicago and at Joliet was about 700 feet above mean sea level (msl). As a result of continued heavy pumping, the nonpumping water levels in deep wells had declined by 1966 to elevations of 98 feet *below* mean sea level at Bellwood and Joliet. From 1864 to 1966, the artesian pressure at Chicago declined about 750 feet; the average rate of decline of artesian pressure was more than 7 feet per year.

### Water-Level Decline, October 1966 to October 1971

The water levels in 621 deep wells in northern Illinois were measured during October and November 1971. Data for the wells are given in the appendix. Water levels for 373 of these wells, including 236 in the Chicago region, had been measured during the same period in 1966, and these data were compared with that for 1971. Computed declines and rises are given in the appendix.

Examples of fluctuations in nonpumping water levels in northern Illinois from 1966 through 1971 are shown in figure 7. Hydrographs of observation wells reflect

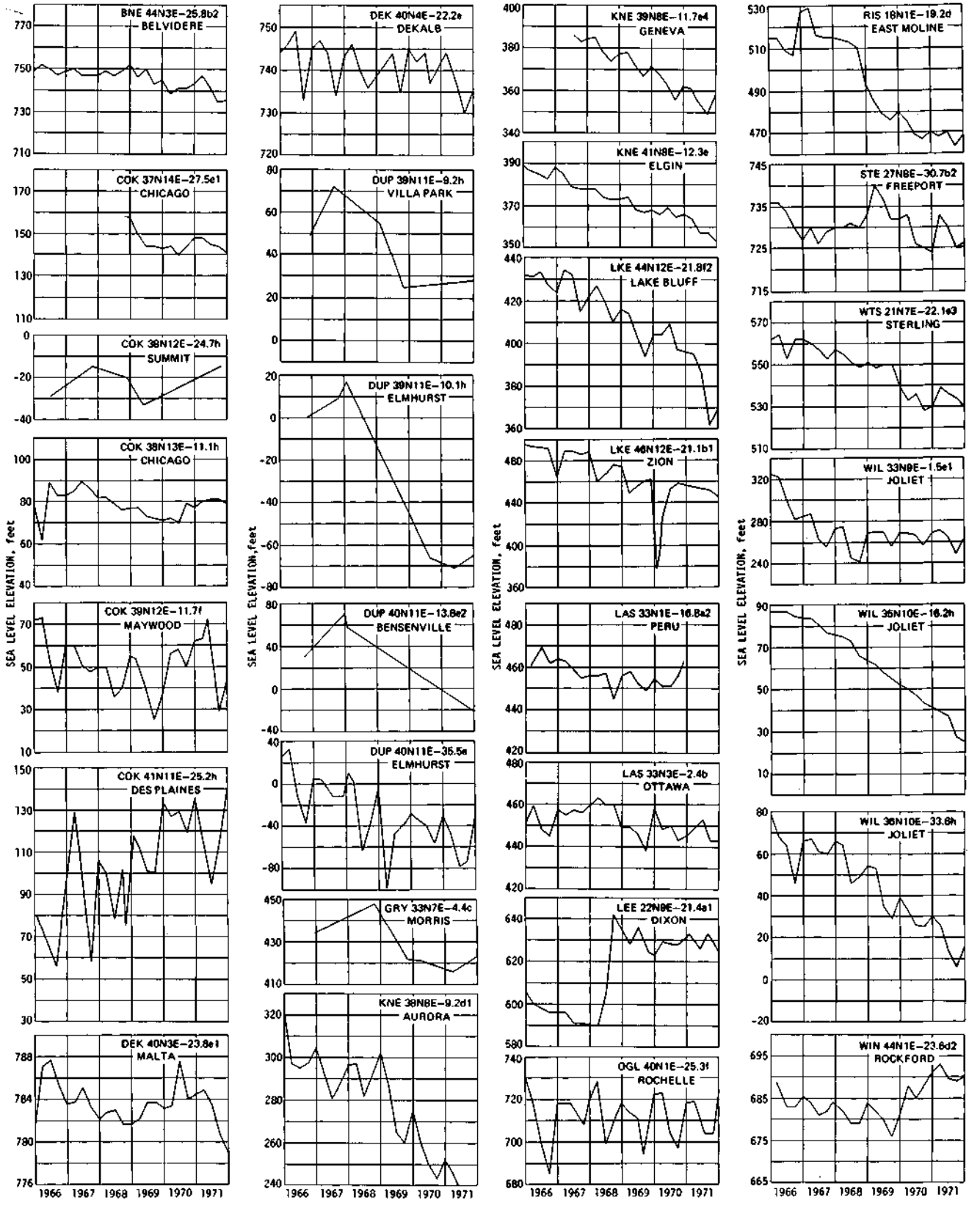


*Figure 7. Water levels in selected observation wells, 1966-1971*

seasonal and long-time pumping trends. Steady declines of water levels generally are indicative of increasing rates of concentrated and regional pumpage. The locations of observation wells for which hydrographs are available are shown in figure 8.

The computed changes for the wells measured in both 1966 and 1971 and the piezometric surface maps for 1966 and 1971 were used to construct figure 9. The average declines in nonpumping water levels, October 1966 to October 1971, for each county of the Chicago region are given in table 3, along with comparable data for the 1961-1966 period.

As shown in figure 9, the water-level change from 1966 to 1971 varies considerably from place to place, even within areas of heavy pumpage. The average water-level decline in the Chicago region was about 9 feet per year (table 3). The greatest average declines occurred in Lake and Kendall Counties; the least average decline was recorded in Grundy County. Average declines of 10 feet or more were computed for Du Page, Kane, Kendall, and Lake Counties.

Table 3 shows that average water-level declines in the Chicago region were less during the period 1966-1971 than during the period 1961-1966 in Cook, Du Page, Lake, and Will Counties. Of the 373 wells measured in both 1966 and 1971, only 58 had water-level rises. Only 17 of the 236 wells measured in the Chicago region had water-level rises.

Water levels declined more than 50 feet between 1966 and 1971 in large areas in Cook, Du Page, and Lake Counties, eastern Kane and Kendall Counties, and northern Will County (figure 9). In large areas of Cook County as well as in smaller areas of northeastern Du Page County, southeastern Kane County, northeastern Kendall County, southeastern Lake County, and west-central Will County, water levels declined more than 100 feet. Water-level declines in excess of 150 feet were measured

Table 3. Decline in Nonpumping Water Levels in the Chicago Region

| County | Average decline (*feet per year*) 1961-1966 | 1966-1971 |
|---|---|---|
| Cook | 15 | 9 |
| Du Page | 16 | 10 |
| Grundy | 3 | 4 |
| Kane | 9 | 10 |
| Kendall | 9 | 12 |
| Lake | 17 | 14 |
| McHenry | 1 | 5 |
| Will | 13 | 8 |
| Average | 13 | 9 |

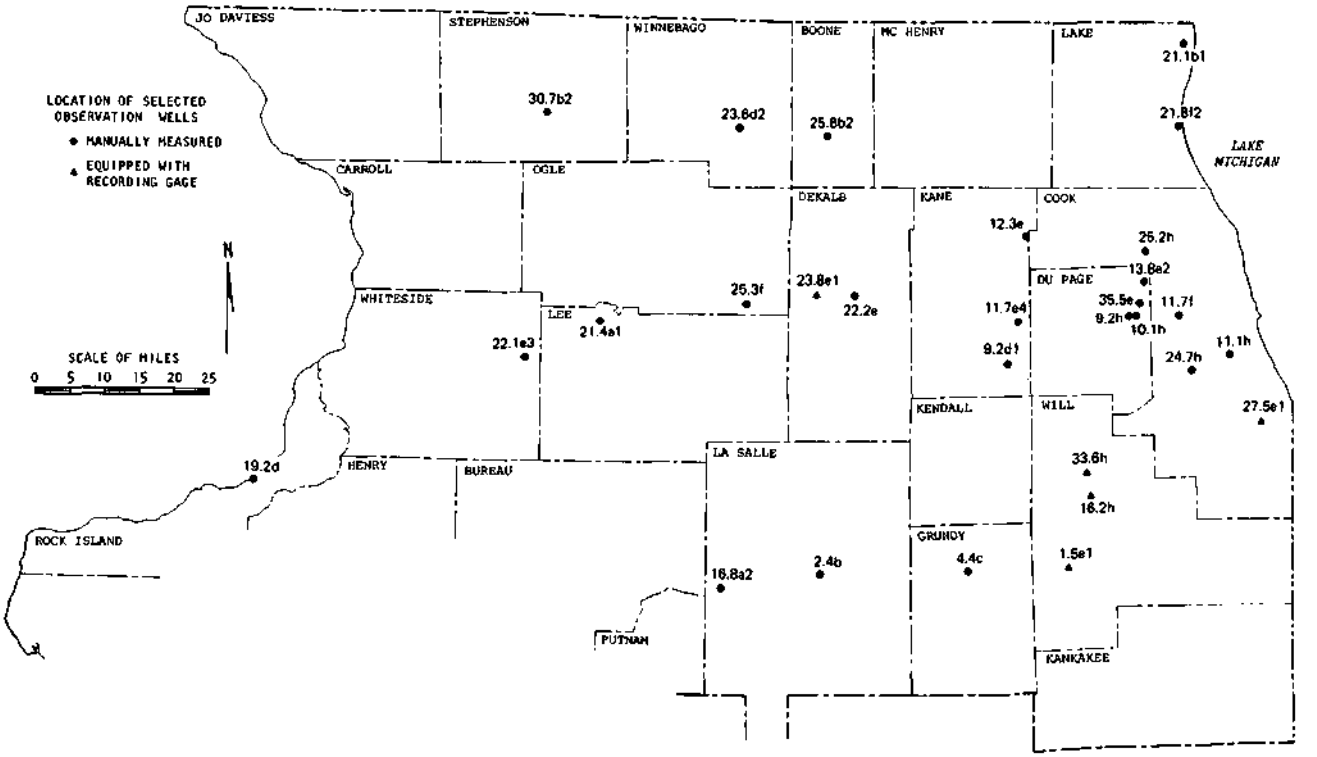


*Figure 8. Map showing location of selected observation wells*

**Table 4. Fluctuations in Nonpumping Water Levels in Selected Observation Wells**

| Well number | Average fluctuation (*feet per year*) Prior to 1966 | 1966-1971 |
|---|---|---|
| BNE 44N3E-25.8b2 (*Belvidere*) | -0.1 | -2.6 |
| DEK 40N3E-23.8e1 (*Malta*) | -0.1 | -1.0 |
| DEK 40N4E-22.2e (*De Kalb*) | -4.0 | -1.2 |
| LAS 33N1E-16.8a2 (*Peru*) | 0.0 | -0.2 |
| LAS 33N3E-2.4b (*Ottawa*) | -1.9 | -1.2 |
| LEE 22N9E-21.4a1 (*Dixon*) | -1.6 | +5.6 |
| OGL 40N1E-25.3f (*Rochelle*) | -1.9 | +1.4 |
| RIS 18N1E-19.2d (*East Moline*) | -2.9 | -7.2 |
| STE 27N8E-30.7b2 (*Freeport*) | -0.3 | -0.4 |
| WTS 21N7E-22.1e3 (*Sterling*) | -2.3 | -4.4 |
| WIN 44N1E-23.6d2 (*Rockford*) | -0.7 | +1.2 |
| Average | -1.4 | -0.9 |

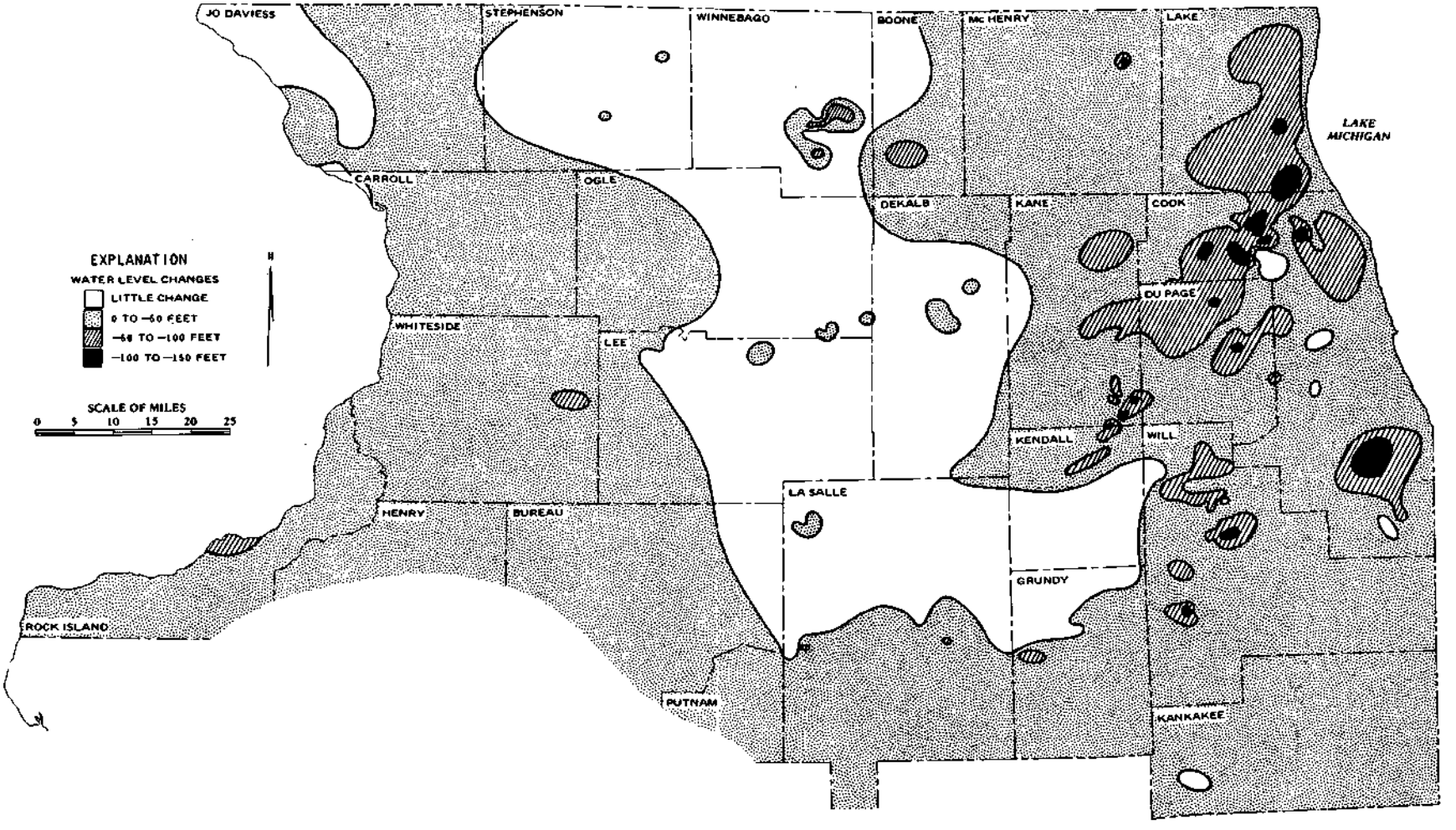


*Figure 9. Map showing changes in water levels in deep wells, 1966-1971*

in isolated wells in east-central Kane County and west-central Will County.

Regional water-level trends in areas of northern Illinois outside the Chicago region are less well defined. Prior to 1966, water-level fluctuations for periods of 4 to 71 years in 11 selected observation wells ranged from 0 to 4.0 feet per year, as shown in table 4. For 1966-1971, average annual water-level changes in these observation wells ranged from a rise of 5.6 feet to a decline of 7.2 feet, and averaged -0.9 feet.

Water levels in some wells did not reflect the regional trends. Water-level fluctuations in these wells ranged from rises of more than 35 feet in some wells in De Kalb, Kankakee, La Salle, and Ogle Counties, to declines of more than 60 feet in some wells in Boone, Carroll, La Salle, Rock Island, Whiteside, and Winnebago Counties. Water-level declines of more than 50 feet were recorded in wells in 14 counties of northern Illinois; declines of more than 20 feet occurred in all but Stephenson County. Declines in excess of 100 feet were recorded in all counties of the Chicago region except Grundy County. Water-level rises ranging from 2 to 65 feet were recorded in wells in 14 counties, including 5 in the Chicago region.

Superimposed on the long-term trend of water-level fluctuations in deep wells are seasonal fluctuations caused chiefly by changes in rates of pumping from near-by wells. Water levels in deep wells generally recede during the summer and early fall when pumpage is greatest. Water levels may start to recover during the late fall when pumpage is reduced. Minimum annual water levels are usually recorded during September and October; maximum annual water levels occur during the late winter and spring months. Short-term fluctuations reflect intermittent pumping, day to day variations in nearby pumping, or changes in atmospheric pressure.

## Piezometric Surface of Aquifer, 1971

The piezometric surface is an imaginary surface to which water will, rise in artesian wells. Figure 10 shows the piezometric surface of the Cambrian-Ordovician aquifer in October 1971. Data on water levels in the appendix were used to prepare the map. The general features of the 1971 piezometric surface map for the Chicago region differ very little from those of the piezometric surface map for 1966 in Circular 94.[5]

During 1967 through 1971 the extent of the lowest water levels in the Chicago region advanced in all directions from the areas of Bellwood and Joliet where the deepest water levels were recorded in 1966. In Cook and Du Page Counties, the 100-foot piezometric surface contour migrated in westerly and northwesterly directions

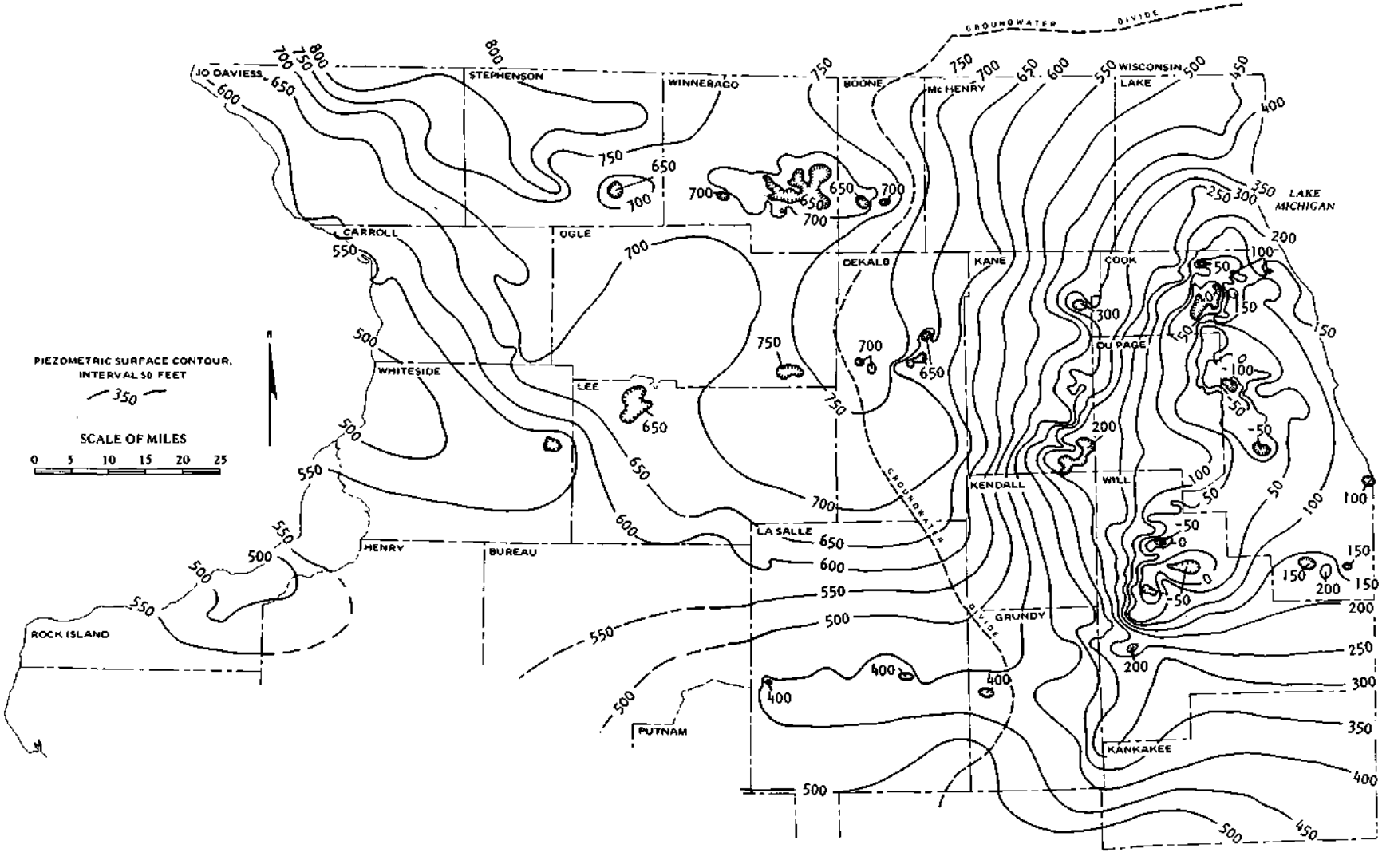


*Figure 10. Elevation of piezometric surface of Cambrian-Ordovician aquifer in October 1971*

nearly 6 miles from its position in 1966 to include nearly all of eastern Du Page and north-central Cook Counties.

The deepest cone of depression in the Chicago region in both 1966 and 1971 was in the vicinity of Bellwood where levels were 97 and 149 feet below msl, respectively. Pronounced cones of depression that were apparent in 1966 at Joliet, Elmhurst, Des Plaines, Aurora, and Elgin deepened and enlarged considerably since that time. The 50-foot piezometric surface contour migrated several miles in all directions from Joliet and Bellwood to include most of western Cook, eastern Du Page, and northwestern Will Counties, as well as a large but separate area in north-central Cook County. Zero contours enclosed large areas of western Cook, northeastern Du Page, and western Will Counties. More than half of the deep wells within the city of Joliet and in western Cook County had water-level elevations below msl in 1971. Other depressions in the piezometric surface in the Chicago region are also apparent in southern and northern Cook County, and at Geneva, Batavia, and Morris. The piezometric surface was well below the top of the Galena-Platteville dolomite in large areas of the Chicago region, even as far west as eastern Kane County, and below the top of the St. Peter sandstone in the deepest cones of depression near Bellwood and Joliet.

An earlier piezometric surface map of northern Illinois showed a relatively uniform surface west of Chicago and Joliet, with highest elevations in parts of north-central, northwestern, and extreme northern Illinois.[9] There was evidence of some discharge into the Rock River.

The 1971 piezometric surface map shows the areas of highest elevation in Boone and De Kalb Counties in north-central Illinois and in Stephenson and Jo Daviess Counties in northwestern Illinois. A major depression in the piezometric surface is apparent at Rockford, with other significant depressions at Belvidere, Freeport, Sterling, Dixon, Rochelle, De Kalb-Sycamore, and Ottawa.

The general pattern of flow of water in the deep sandstone wells in 1971 was from all directions toward the deep cones of depression, primarily centered at Des Plaines, Elmhurst, Bellwood, and Joliet. Some of the water flowing toward these areas is intercepted by cones of depression at Elgin and Aurora. In addition, water from the recharge areas west of the Chicago region is being diverted into enlarging cones of depression at Belvidere, Rockford, Rochelle, and De Kalb. The lowering of water levels accompanying the withdrawals of groundwater has established steep hydraulic gradients north, west, and southwest of Chicago and Joliet, so that large quantities of water from recharge areas in northern Illinois, and minor quantities from southern Wisconsin, are at present being transmitted

toward centers of pumping. The approximate limits of diversion for the Cambrian-Ordovician aquifer north and west of the Chicago region are shown by the groundwater divide in figure 10. Large amounts of water derived from storage within the aquifer and from vertical leakage of water through the Maquoketa Formation move toward cones of depression from the east in Indiana, from the south and west in Illinois, and from the northeast beneath Lake Michigan.

The Sandwich Fault Zone (see figure 1), previously described in Cooperative Report 1, extends southeast-northwest from Sandwich, De Kalb County, into Will County south of Joliet. Sufficient water level and other hydrologic data in the vicinity of the fault zone are not currently available to permit a detailed interpretation of its effect on water levels.

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*4* Sasman, R. T., W. H. Baker, Jr., and W. P. Patzer. 1962. *Water-level decline and pumpage during 1961 in deep wells in the Chicago region, Illinois.* Illinois State Water Survey Circular 85.

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6 Sasman, R. T. 1965. *Ground-water pumpage in northeastern Illinois through 1962.* Illinois State Water Survey Report of Investigation 50.

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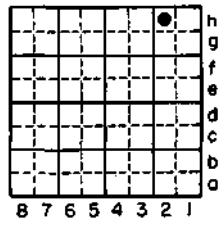
9 Foley, Frank C, and Harmon F. Smith. 1954. *Groundwater recharge of a deeply buried artesian aquifer in Illinois and Wisconsin, U. S. A.* International Association Scientific Hydrology, Assembly of Rome, (Gentlerugge) Belgium, Publication 37, Book II.

10 Walton, W. C, and Sandor Csallany. 1962. *Yields of deep sandstone wells in Illinois.* Illinois State Water Survey Report of Investigation 43.

# APPENDIX

The well-numbering system used in this report is based on the location of the well, and uses the township, range, and section for identification. The well number consists of five parts: county abbreviation, township, range, section, and coordinate within the section. Sections are divided into rows of 1/8-mile squares. Each 1/8-mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains eight rows of 1/8-mile squares; an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown below.

The number of the well shown in sec. 25 at the right is as follows:
COK 41N11E-25.2h




Cook County
T41N, R11E
sec. 25

Where there is more than one well in a 10-acre square they are identified by arabic numbers after the lower case letter in the well number.

Any number assigned to the well by the owner is shown in parentheses after the location well number. For example, the third well listed in the table on the next page is owned by the Midwest Plating Company and is known as Well No. 2, which is indicated by (2) in the well number BNE 43N4E-33.5b2 (2).

Well data are presented by counties in alphabetical order as follows:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Boone | BNE | Grundy | GRY | Lake | LKE | Rock Island | RIS |
| Carroll | CAR | Jo Daviess | JDV | La Salle | LAS | Stephenson | STE |
| Cook | COK | Kane | KNE | Lee | LEE | Whiteside | WTS |
| De Kalb | DEK | Kankakee | KNK | McHenry | MCH | Will | WIL |
| Du Page | DUP | Kendall | KEN | Ogle | OGL | Winnebago | WIN |

Municipal ownership is indicated by (V) for village owned and (C) for city owned after the place name. Subdivision is abbreviated as Sbd.

## Water Levels in Deep Wells in Northern Illinois, 1966-1971

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BNE-- | | | | | | | | | | | |
| 43N3E- | | | | | | | | | | | |
| 2.6h | | Four Seasons Trailer Pk. | 600 | 800 | | | | | | 762 | |
| 2.7e | | Ill. Toll Highway Comm. | 400 | 800 | | | | 704 | | | |
| 43N4E- | | | | | | | | | | | |
| 33.5b2 | (2) | Midwest Plating Co. | 700 | 870 | | | | | 695 | | |
| 44N3E- | | | | | | | | | | | |
| 24.8a | (6) | Belvidere (C) | 870 | 784 | 724 | | | | 703 | | |
| 25.6d | (2) | Dean Milk Co. | 865 | 770 | 718 | 723 | | | | | |
| 25.7c | (2) | Belvidere (C) | 1861 | 763 | | | | | | | |
| 25.8b2 | (3) | Belvidere (C) | 1803 | 765 | 750 | 747 | 751 | 744 | 744 | 737 | -13 |
| 26.1e | (4) | Belvidere (C) | 1800 | 778 | 724 | | | | | 694 | -30 |
| 34.2a | (8) | Belvidere (C) | 1393 | 780 | 670 | | | | | 603 | -67 |
| 35.1e | (5) | Belvidere (C) | 610 | 800 | 775 | | | | | 715 | -60 |
| 36.2g | (7) | Belvidere (C) | 969 | 840 | | | | | | 680 | |
| CAR-- | | | | | | | | | | | |
| 23N5E- | | | | | | | | | | | |
| 2.5f4 | (3) | Chadwick (V) | 1210 | 790 | | 668 | 675 | | | 607 | |
| 23N6E- | | | | | | | | | | | |
| 23.2a2 | (2) | Kraft Cheese Co. | 400 | 740 | | 667 | | | | 710 | |
| 23.6b3 | (3) | Milledgeville (V) | 654 | 760 | | 632 | 620 | | | 683 | |
| 23.6b4 | (4) | Milledgeville (V) | 1146 | 762 | 631 | 625 | 624 | | 632 | 628 | -3 |
| 24N3E- | | | | | | | | | | | |
| 4.2c | (5) | Savanna (C) | 1804 | 602 | 590 | | | | | 522 | -68 |
| 9.1f | (3) | Savanna (C) | 1852 | 583 | 571 | | | | | 559 | -12 |
| 10.3e | (4) | Savanna (C) | 1308 | 612 | 574 | | | | | 556 | -18 |
| 11.1a | (6) | Savanna (C) | 1300 | 627 | 562 | | | | | 544 | -18 |
| 24N4E- | | | | | | | | | | | |
| 12.2h | (3) | Mt. Carroll (C) | 1453 | 742 | | | | | | 608 | |
| 12.3h2 | (2) | Mt. Carroll (C) | 1457 | 720 | | | | | | 613 | |
| 24N6E- | | | | | | | | | | | |
| 5.5e | (3) | Lanark (C) | 1300 | 882 | 682 | | | | | 666 | -16 |
| 5.6c | (4) | Lanark (C) | 1082 | 860 | | | | | | 708 | |
| 25N2E- | | | | | | | | | | | |
| 2.3d | (12) | Savanna Army Depot | 1114 | 609 | 609 | | | | | 603 | -6 |
| 3.4d | (2) | Savanna Army Depot | 1200 | 640 | 582 | | 584 | 590 | 587 | 587 | +5 |
| 11.5h | (1) | Savanna Army Depot | 1201 | 601 | 603 | 603 | 606 | | | 605 | +2 |
| 25N6E- | | | | | | | | | | | |
| 16.8a | (1) | Agrico Chemical Co. | 720 | 925 | | | | | | 694 | |
| 25N7E- | | | | | | | | | | | |
| 19.6e2 | (2) | Shannon (V) | 704 | 947 | | | | 797 | 762 | 744 | |
| COK-- | | | | | | | | | | | |
| 35N13E- | | | | | | | | | | | |
| 2.3a2 | (6a) | Flossmoor (V) | 1784 | 705 | | | | | 155 | 129 | |
| 12.3b3 | (7a) | Flossmoor (V) | 1722 | 653 | | | | | | 143 | |
| 35N14E- | | | | | | | | | | | |
| 3.3b | (3) | Glenwood (V) | 1776 | 618 | 202 | | | 170 | | 138 | -64 |
| 8.5e | (32) | Chicago Heights (C) | 1777 | 652 | 204 | 237 | 207 | 222 | 217 | 217 | +13 |
| 10.1g | (5) | Glenwood (V) | 1785 | 623 | | | | 178 | | 82 | |
| 21.2h2 | (2) | Stauffer Chemical Co. | 1800 | 640 | 157 | | 170 | | | 160 | +3 |
| 21.3h | (2) | Borg Warner Corp. (Calumet Steel Div.) | 1805 | 638 | | 130 | | 105 | 105 | 177 | |
| 36N12E- | | | | | | | | | | | |
| 13.1d2 | (2) | Silver Lake Gardens | 1809 | 732 | | | | | 118 | | |
| 36N13E- | | | | | | | | | | | |
| 1.2g | | R.E.S.C.O. | 1618 | 597 | 107 | 97 | | | | | |
| 9.8b2 | (1) | Oak Forest (V) | 1701 | 672 | 156 | 164 | 157 | 147 | 102 | 92 | -64 |
| 36.6b | (12) | Homewood (V) | 1713 | 660 | | | 153 | | | 150 | |
| 36N14E- | | | | | | | | | | | |
| 2.8e | | Kaiser Aluminum & Chemical Corp. | 1730 | 584 | 132 | | | 160 | | | |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| COK 36N14E- (Continued) | | | | | | | | | | | |
| 3.1g | | Metro Glass Co. | 1683 | 592 | 137 | | 92 | | | | |
| 9.5d | | Met. San. Dist. | 937 | 590 | | | 159 | | | | |
| 31.f | (11) | Homewood (V) | 1735 | 627 | | | 177 | | | 137 | |
| 34.5d2 | (4) | Thornton (V) | 1785 | 617 | | | | | | 142 | |
| 34.5g1 | (5) | Thornton (V) | 1724 | 612 | 181 | | | | 152 | 130 | -51 |
| 37N11E- | | | | | | | | | | | |
| 14.8c | (3) | North American Car Corp. | 1464 | 585 | 85 | | 80 | 93 | | 58 | -27 |
| 21.3c3 | (3) | Franciscan Sisters Training Center | 1633 | 705 | | | | 89 | 95 | 80 | |
| 28.3b | (3) | DeAndreis Seminary | 1690 | 740 | 78 | 73 | 69 | 125 | 64 | 48 | -30 |
| 29.4b | (3) | Lemont (V) | 1723 | 746 | 90 | | | | 76 | 54 | -36 |
| 37N12E- | | | | | | | | | | | |
| 2.8h2 | (2) | Hickory Hills (V) | 1608 | 685 | 61 | | | | 52 | | |
| 37N13E- | | | | | | | | | | | |
| 12.7d | | Evergreen Park Community High School | 1637 | 622 | 83 | | 82 | | | 78 | -5 |
| 32.5h2 | (2) | Palos Heights (V) | 1580 | 617 | 107 | 106 | | | | 91 | -16 |
| 37N14E- | | | | | | | | | | | |
| 22.1b | (2) | Sherwin-Williams Co. | 1648 | 591 | | 129 | | | | 119 | |
| 27.5e1 | (TW1) | Met. San. Dist. (Calumet Trmt. Wks.) | 1683 | 590 | | 156 | 160 | 140 | 148 | 141 | |
| 37N15E- | | | | | | | | | | | |
| 8.1b2 | (C) | Falstaff Brewing Corp. | 1683 | 589 | 139 | | 144 | | 90 | 90 | -49 |
| 8.1c1 | (A) | Falstaff Brewing Corp. | 1400 | 593 | 128 | | | 113 | | | |
| 8.1c2 | (B) | Falstaff Brewing Corp. | 1680 | 592 | | | | | | 107 | |
| 38N12E- | | | | | | | | | | | |
| 1.8g2 | (2) | Lyons (V) | 1750 | 621 | 51 | 76 | 13 | | | | |
| 5.8d2 | (3) | Western Springs (V) | 1256 | 678 | 26 | 34 | | -47 | | -10 | -36 |
| 6.6b | (4) | Western Springs (V) | 1913 | 642 | 58 | 56 | | -46 | | -19 | -77 |
| 12.1f | | Met. San. Dist. 81B | 826 | 588 | | | | | | 27 | |
| 18.8f3 | (3) | Suburban Cook Co. TB San. | 1540 | 689 | 94 | 90 | 72 | 81 | 81 | 72 | -18 |
| 23.1h | (11) | CPC International, Inc. | 1543 | 596 | -51 | -41 | -27 | -57 | -66 | | |
| 23.2g | (13) | CPC International, Inc. | 1525 | 600 | -35 | -48 | -35 | -64 | -70 | -70 | -35 |
| 24.1g | (12) | CPC International, Inc. | 1507 | 597 | -43 | -37 | | -45 | -72 | -73 | -30 |
| 24.7h | (14) | CPC International, Inc. | 1481 | 597 | -29 | -15 | -20 | -33 | -26 | -15 | +14 |
| 28.7d | (2) | Fisher Body Division (GMC) | 1542 | 605 | 45 | | 62 | 41 | 44 | 26 | -19 |
| 28.8d | (3) | Fisher Body Division (GMC) | 1527 | 605 | | | 38 | 0 | | | |
| 29.1d | (1) | Fisher Body Division (GMC) | 1517 | 605 | | 56 | 33 | 49 | | 27 | |
| 38N13E- | | | | | | | | | | | |
| 8.1f | (4) | Rose Packing Co. | 1590 | 591 | | | | | | 43 | |
| 11.1h | | Bradshaw-Praeger & Co. | 1224 | 597 | 83 | 82 | 76 | 70 | 78 | 78 | -5 |
| 19.4e1 | (2) | Union Carbide Corp. | 1550 | 619 | | -31 | | | -46 | | |
| 19.4e2 | (3) | Union Carbide Corp. | 1660 | 621 | | -15 | | -29 | | -39 | |
| 21.1f2 | (2) | Cracker Jack Co. | 1585 | 620 | 58 | | 93 | 51 | | 51 | -7 |
| 38N14E- | | | | | | | | | | | |
| 5.2h | (1) | Produce Terminal Corp. | 1523 | 590 | | | 115 | | | | |
| 5.3b | (2) | Produce Terminal Corp. | 1446 | 595 | | | 66 | | | | |
| 7.6c | (1) | Fleischmann Malting Co. | 1925 | 594 | | 74 | 46 | | 56 | 61 | |
| 7.6d | (2) | Fleischmann Malting Co. | 1964 | 594 | 61 | 59 | 43 | | 49 | 53 | -8 |
| 7.7g2 | (2) | Standard Brands, Inc. | 1791 | 602 | | 68 | | | | | |
| 39N12E- | | | | | | | | | | | |
| 8.5g | (4) | Bellwood (C) | 1960 | 645 | -97 | | -97 | -84 | -99 | -149 | -52 |
| 9.3g | (1) | Bellwood (C) | 1952 | 636 | | | 46 | | -31 | -9 | |
| 9.5a | (3) | Bellwood (C) | 1951 | 624 | -14 | | -14 | -51 | -16 | -61 | -47 |
| 9.5f | (2) | Bellwood (C) | 1954 | 632 | -30 | | +40 | +4 | -84 | -63 | -33 |
| 11.7f | (3) | Maywood (V) | 1640 | 630 | 61 | 50 | 48 | 37 | 60 | 39 | -22 |
| 11.8f | (1) | American Can Co. | 1806 | 630 | | 26 | 26 | 34 | | | |
| 13.7g | (2) | Altenheim-German Old Folks Home | 1661 | 626 | 38 | | 81 | | | 76 | +38 |
| 16.2f | (5) | Bellwood (C) | 1845 | 627 | | | | | | 17 | |
| 17.2h | (1) | Alcoa (Aluminum Co. of America) | 1476 | 654 | 57 | 61 | 52 | 6 | -46 | | |
| 22.7b1 | (1) | Bunker Ramo | 1424 | 628 | -25 | -70 | | -22 | -92 | -52 | -27 |
| 25.5d | (4) | Riverside (V) | 2050 | 620 | 58 | 58 | 54 | | 20 | 27 | -31 |
| 36.8d | (3) | Riverside (V) | 2047 | 618 | 26 | -4 | -4 | 6 | -34 | -19 | -45 |
| 39N13E- | | | | | | | | | | | |
| 21.6g | (1) | Kropp Forge Co. | 1636 | 608 | 45 | | | | | 38 | -7 |

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| COK 39N13E- (Continued) | | | | | | | | | | | |
| 21.8f2 | (2) | Chicago Vitreous Enamel Co. | 1607 | 608 | | 58 | | | 5 | | |
| 21.8f3 | (3) | Chicago Vitreous Enamel Co. | 1515 | 608 | 48 | | | | | 33 | -15 |
| 27.7g | (3) | Western Electric Co. | 1574 | 604 | | | 41 | | 64 | | |
| 33.4a | (1) | Incinerator, Inc. | 1650 | 589 | 23 | | -36 | | | | |
| 39N14E- | | | | | | | | | | | |
| 9.5c | | Met. San. Dist. 54c | 1400 | 588 | | | | | | 114 | |
| 16.6h | (1) | Illinois Bell Telephone | 1689 | 595 | | | | | 70 | 73 | |
| 21.7b1 | (1) | Joanna Western Mills Co. | 1610 | 593 | 85 | | 63 | | | | |
| 30.1d | | Met. San. Dist. 71B | 878 | 593 | | | | | | 83 | |
| 32.5a | | Met. San. Dist. 72B | 890 | 592 | | | | | | 73 | |
| 40N12E- | | | | | | | | | | | |
| 18.6c1 | (1) | Clow Corp. | 1457 | 663 | 23 | 58 | 51 | 55 | 37 | 1 | -22 |
| 18.6c2 | (2) | Clow Corp. | 1456 | 663 | | 58 | 51 | 63 | 57 | 9 | |
| 31.4d1 | (1) | Automatic Electric Co. | 1410 | 655 | 55 | 29 | 28 | -10 | 11 | -41 | -96 |
| 31.4d2 | (3) | Automatic Electric Co. | 1487 | 655 | | 31 | 10 | -7 | 14 | -19 | |
| 40N13E- | | | | | | | | | | | |
| 31.4e1 | (1) | Mars, Inc. | 1975 | 651 | | | 7 | 20 | | -14 | |
| 31.4e2 | (2) | Mars, Inc. | 1978 | 653 | | | | | | 22 | |
| 34.7d3 | (3) | Northwestern Malt & Grain Co. | 1650 | 610 | | | | | 105 | | |
| 34.7d4 | (4) | Northwestern Malt & Grain Co. | 1500 | 612 | 107 | 107 | | 104 | | 64 | -43 |
| 41N9E- | | | | | | | | | | | |
| 23.5g3 | (3) | Streamwood (V) | 1410 | 820 | 363 | | | | | 327 | -36 |
| 36.3f2 | (2) | Hanover Park (V) | 1429 | 828 | 264 | 321 | | | | 212 | -52 |
| 36.6b | (4) | Hanover Park (V) | 1434 | 820 | | | 322 | | | 231 | |
| 41N10E- | | | | | | | | | | | |
| 6.5b | (10) | Hoffman Estates (V) | 1357 | 810 | | | | | | 285 | |
| 9.7g | (7) | Hoffman Estates (V) | 1398 | 690 | 197 | 100 | 110 | | | | |
| 15.1f2 | (2) | Hoffman Estates (V) | 1391 | 750 | 225 | 242 | 228 | | | 145 | -80 |
| 15.4h1 | (4) | Hoffman Estates (V) | 1382 | 774 | 242 | 219 | 216 | | | 127 | -115 |
| 31.3e | (3) | Hanover Park (V) | 1952 | 798 | 270 | 321 | | | | 209 | -61 |
| 36.4g | (7) | Elk Grove (V) | 1365 | 730 | | | | 190 | | 30 | |
| 41N11E- | | | | | | | | | | | |
| 7.1c | (4) | Rolling Meadows (C) | 1603 | 710 | 212 | 204 | 160 | 141 | | 107 | -105 |
| 9.1h | (8) | Arlington Heights (V) | 1455 | 706 | 10 | | 100 | | 20 | -44 | -54 |
| 10.3f2 | (8) | Mt. Prospect (V) | 1765 | 680 | 90 | 80 | 58 | | -30 | 10 | -80 |
| 11.6c | (11) | Mt. Prospect (V) | 1446 | 655 | | | 103 | | -37 | -52 | |
| 12.8h2 | (3) | Mt. Prospect (V) | 1935 | 670 | 110 | 92 | 55 | -5 | | -20 | -130 |
| 13.4a | (5) | Des Plaines (C) | 1800 | 655 | -8 | 42 | 55 | 40 | | 4 | +12 |
| 14.5b | (3) | Waycinden Park Sbd. | 1368 | 672 | 4 | | | 44 | | 34 | +30 |
| 16.2h | (12) | Arlington Heights (V) | 1780 | 713 | | | | | 168 | -9 | |
| 21.3b | (1) | Elk Grove (V) | 1415 | 717 | 108 | | 53 | -17 | | -6 | -114 |
| 25.2h | (7) | Des Plaines (C) | 1815 | 655 | 65 | 100 | 108 | 126 | 130 | 135 | +65 |
| 25.6g1 | | Met. San. Dist. F9B | 800 | 657 | | | | | | 129 | |
| 25.6g2 | | Met. San. Dist. F9C | 1220 | 657 | | | | | | 49 | |
| 26.8a | (2) | Elk Grove (V) | 1395 | 682 | 32 | | 52 | | | 21 | -11 |
| 27.3f | (9) | Elk Grove (V) | 1403 | 682 | | | | | | 64 | |
| 27.6a | (4) | Elk Grove (V) | 1416 | 698 | 58 | | 53 | -22 | | 13 | -45 |
| 32.5g | (3) | Elk Grove (V) | 1408 | 705 | | | -2 | | | 43 | |
| 33.7b | (5) | Elk Grove (V) | 1403 | 680 | | 57 | 52 | -8 | | 67 | |
| 35.8f | (6) | Elk Grove (V) | 1396 | 675 | | | 30 | | | -40 | |
| 41N12E- | | | | | | | | | | | |
| 12.7b | (3) | Domestic Utilities Co. (Eugenia Sbd.) | 1423 | 661 | | | 166 | | | 86 | |
| 12.7d | (2) | Domestic Utilities Co. (Eugenia Sbd.) | 1390 | 658 | 123 | 130 | 122 | | | 85 | -38 |
| 12.8b | (1) | Domestic Utilities Co. (Eugenia Sbd.) | 1342 | 666 | 136 | | 106 | 104 | | 81 | -55 |
| 18.5d | (6) | Des Plaines (C) | 1840 | 644 | | -13 | | 47 | | 77 | |
| 18.6a | (1) | Des Plaines (C) | 1735 | 652 | | | 67 | | 42 | 102 | |
| 18.7a | (2) | Des Plaines (C) | 1750 | 652 | | 75 | 15 | 27 | 5 | 23 | |
| 19.5d | (3) | Des Plaines (C) | 1821 | 652 | | 81 | 63 | 61 | 33 | 70 | |
| 19.5g | (4) | Des Plaines (C) | 1232 | 650 | | 83 | | -9 | | | |
| 26.6c | (1) | Park Ridge Country Club | 1355 | 643 | 129 | | 108 | | | 79 | -50 |
| 41N13E- | | | | | | | | | | | |
| 8.6d | (2) | Glen View Club | 1546 | 649 | 159 | 148 | | 143 | 127 | 90 | -69 |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| COK 41N13E- (Continued) | | | | | | | | | | | |
| 18.5g | (1) | Avon Products, Inc. | 1410 | 644 | 144 | 156 | | 119 | 139 | 124 | -20 |
| 19.6f | | Met. San. Dist. 7B | 856 | 621 | | | | | | 115 | |
| 20.7e | (1) | Baxter Laboratories, Inc. | 1414 | 627 | 182 | 184 | | 135 | 107 | 97 | -85 |
| 23.1a | | Met. San. Dist. 38B | 906 | 597 | | | | | | 169 | |
| 26.1e | | Met. San. Dist. 39B | 896 | 605 | | | | | | 172 | |
| 26.4f | | Met. San. Dist. 28B | 883 | 602 | | | | | | 164 | |
| 26.4f | | Met. San. Dist. 28C | 1290 | 602 | | | | | | 154 | |
| 42N10E- | | | | | | | | | | | |
| 1.8d | (3) | Ferndale Heights Utility Co. | 1350 | 740 | | | | | 210 | 230 | |
| 11.3h | (2) | Ferndale Heights Utility Co. | 1550 | 755 | | 287 | | | 290 | 285 | |
| 14.2c | (1) | Palatine (V) | 1380 | 738 | 183 | | 188 | 198 | | | |
| 15.3f | (7) | Palatine (V) | 1350 | 750 | | | | 227 | | | |
| 22.2a2 | (8) | Palatine (V) | 1950 | 737 | | | | | | 212 | |
| 24.3h | (2) | Palatine (V) | 1350 | 732 | 222 | | 172 | | | 161 | -61 |
| 24.8a1 | (1) | Arlington Park Jockey Club | 1825 | 730 | 232 | | | | 134 | 205 | -27 |
| 25.1b | (1) | Rolling Meadows (C) | 1530 | 720 | 168 | | 185 | 175 | | 145 | -23 |
| 25.6b | (2) | Rolling Meadows (C) | 1537 | 714 | 170 | | 194 | 139 | | 114 | -56 |
| 26.4h | (5) | Rolling Meadows (C) | 1555 | 733 | | | | | 187 | | |
| 29.7e | (9) | Hoffman Estates (V) | 1392 | 820 | | | | | | 220 | |
| 36.4d | (3) | Rolling Meadows (C) | 1593 | 717 | 193 | | 197 | 187 | | 139 | -54 |
| 42N11E- | | | | | | | | | | | |
| 4.7a2 | (5) | Buffalo Grove (V) | 1355 | 685 | | | | | 149 | 105 | |
| 5.1g | (3) | Buffalo Grove (V) | 1340 | 686 | 232 | | 165 | | 236 | | |
| 5.8e | (1) | Buffalo Grove (V) | 1335 | 725 | | 213 | | 199 | | | |
| 6.5c | (13) | Arlington Heights (V) | 1790 | 730 | | | | | | 167 | |
| 8.1a | (11) | Arlington Heights (V) | 1647 | 688 | | | | | 116 | 48 | |
| 11.8b2 | (2) | Ekco Containers, Inc. | 1320 | 650 | 170 | | 155 | 140 | | 82 | -88 |
| 16.7a2 | (10) | Arlington Heights (V) | 1778 | 687 | | 180 | | | 172 | 142 | |
| 17.7e | (9) | Arlington Heights (V) | 1532 | 692 | 165 | | 165 | | 175 | 115 | -50 |
| 23.2e | (6) | Wheeling (V) | 1345 | 650 | | 168 | | | | | |
| 24.1g2 | (2) | Waycinder Park (Citizens Util.) | 1652 | 660 | 23 | | | | -15 | -20 | -43 |
| 24.3g | (5) | Brickman Manor (Citizens Util.) | 1320 | 638 | | | | | | 88 | |
| 24.4d | (4) | Brickman Manor (Chicago Sub. Util.) | 1323 | 642 | | 165 | | | 122 | 104 | |
| 24.5f | (6) | Brickman Manor (Chicago Sub. Util.) | 1323 | 643 | | | | | | 98 | |
| 25.2h | (3) | Brickman Manor (Chicago Sub. Util.) | 955 | 640 | 130 | | 100 | 90 | 260 | 90 | -40 |
| 26.7d | (2) | Brickman Manor (Chicago Sub. Util.) | 1468 | 661 | 115 | | | | -14 | 98 | -17 |
| 27.3a | (6) | Mt. Prospect (V) | 1468 | 670 | 95 | 90 | 72 | | 45 | -3 | -98 |
| 29.4h | (7) | Arlington Heights (V) | 1525 | 687 | 182 | | 187 | | 47 | 54 | -128 |
| 29.5a | (5) | Arlington Heights (V) | 1525 | 689 | 141 | | 91 | | 21 | 59 | -82 |
| 30.3b | (6) | Arlington Heights (V) | 1490 | 707 | 122 | | 57 | | 57 | 42 | -80 |
| 30.5b | (4) | Arlington Heights (V) | 1292 | 709 | 79 | | 34 | | | | |
| 33.3b | (4) | Mt. Prospect (V) | 1370 | 693 | 69 | 131 | 54 | | 18 | 11 | -58 |
| 33.5d | (7) | Mt. Prospect (V) | 1950 | 677 | 115 | 40 | 25 | | -2 | 5 | -110 |
| 34.4g | (5) | Mt. Prospect (V) | 1822 | 673 | 133 | 71 | 43 | 83 | 123 | 43 | -90 |
| 35.2a | (13) | Mt. Prospect (V) | 1337 | 655 | 99 | 95 | | | 30 | | |
| 36.3b1 | (1) | Maryville Academy | 1604 | 651 | 165 | | | | | 158 | -7 |
| 36.3b2 | (2) | Maryville Academy | 1529 | 651 | 161 | | | | | 153 | -8 |
| 42N12E- | | | | | | | | | | | |
| 14.2a | (4) | Sunset Ridge Country Club | 1410 | 655 | 175 | | | | | 100 | -75 |
| 14.2c1 | (1) | Sunset Ridge Country Club | 1385 | 655 | 167 | | | | | 128 | -39 |
| 14.8e | (1) | St. Ann's Home | 1190 | 665 | 209 | | 232 | | | | |
| 18.3a | (1) | Culligan, Inc. | 1380 | 652 | | | | 117 | | 114 | |
| 19.1b | (3) | Allstate Insurance Co. | 1401 | 662 | | | 127 | 122 | 108 | 84 | |
| 19.1c | (1) | Allstate Insurance Co. | 1400 | 663 | 155 | | | 133 | 69 | 137 | -18 |
| 19.1d | (2) | Allstate Insurance Co. | 1404 | 663 | 177 | | 145 | 120 | 55 | 90 | -87 |
| 19.2h | (2) | Culligan, Inc. | 1400 | 655 | | | | 118 | | 107 | |
| 19.3f | (1) | Nielson Co. | 1400 | 655 | | | | | | 85 | |
| 23.5f3 | (3) | Convent of the Holy Spirit | 1451 | 648 | 191 | | 219 | | | 166 | -25 |
| 23.6b | (2) | Cook Co. Mobile Homes | 1415 | 626 | 163 | | | | | 98 | -65 |
| 28.7e | | Signode Steel Strapping Co. | 1452 | 670 | 150 | | 150 | 155 | 140 | 113 | -56 |
| 28.8c | (5) | Glenview Countryside (Ill. Mun. Water Co.) | 1405 | 672 | 115 | | 71 | 60 | 60 | 5 | -145 |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations | | | | | | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | |
| COK 42N12E- (Continued) | | | | | | | | | | | |
| 29.1a | (4) | Glenview Countryside (Ill. Mun. Water Co.) | 1405 | 677 | 156 | 130 | 151 | 127 | 103 | 19 | -140 |
| 29.3d | (3) | Northfield Woods Utility Co. | 1394 | 682 | | 140 | | | 103 | 102 | |
| 30.1b | (2) | Northfield Woods Utility Co. | 1360 | 652 | | | | 150 | 108 | | |
| 32.4f | | Moore Business Forms | 1450 | 670 | | | | | 140 | | |
| 33.1c | (3) | Glenview Countryside (Ill. Mun. Water Co.) | 917 | 670 | 190 | | | | | | |
| 36.7e2 | (2) | North Shore Country Club | 2017 | 645 | 251 | | | | | | |
| 42N13E- | | | | | | | | | | | |
| 35.5g | | Met. San. Dist. 31B | 939 | 599 | | | | | | 215 | |
| 35.5g | | Met. San. Dist. 31C | 1330 | 599 | | | | | | 191 | |
| 35.6c | | Met. San. Dist. 32B | 898 | 602 | | | | | | 195 | |
| DEK-- | | | | | | | | | | | |
| 37N5E- | | | | | | | | | | | |
| 32.1c1 | | Somonauk (V) | 190 | 685 | 669 | | | | | 667 | -2 |
| 32.1c2 | | Somonauk (V) | 502 | 685 | 671 | | | | | 669 | -2 |
| 36.7h1 | | Sandwich (C) | 600 | 667 | | 648 | | | | | |
| 36.7h2 | | Sandwich (C) | 600 | 667 | 653 | | | | | 644 | -9 |
| 38N5E- | | | | | | | | | | | |
| 14.4d | | Hinckley (V) | 605 | 740 | 713 | | | | | 700 | -13 |
| 15.2d | | Hinckley (V) | 708 | 740 | 721 | 724 | 722 | 726 | | 725 | +4 |
| 40N3E- | | | | | | | | | | | |
| 15.7c | (2) | Kishwaukee College | 920 | 910 | | | | | 754 | 741 | |
| 23.6e | (2) | Malta (V) | 1254 | 915 | 752 | | 750 | 751 | | 743 | -9 |
| 23.7e | (1) | Malta (V) | 853 | 915 | 767 | | | 783 | | 775 | +8 |
| 23.8e1 | | C. & NW. Railroad | 1007 | 910 | 784 | 782 | 782 | 783 | 784 | 779 | -5 |
| 40N4E- | | | | | | | | | | | |
| 13.2h | (11) | De Kalb (C) | 1312 | 885 | | | 677 | | 648 | 640 | |
| 15.7a | (6) | De Kalb (C) | 1291 | 855 | 650 | | 651 | | | | |
| 16.1g | (1) | De Kalb Univ. Dev. Corp. | 803 | 880 | 782 | | | 792 | | 779 | -3 |
| 16.2g | (2) | De Kalb Univ. Dev. Corp. | 701 | 883 | 784 | | | | | 763 | -21 |
| 21.5f | (10) | De Kalb (C) | 1310 | 880 | 675 | | 672 | 678 | 677 | 659 | -16 |
| 22.2d | (1) | De Kalb (C) | 1331 | 870 | | | 683 | 667 | 667 | 662 | |
| 22.2e | | De Kalb Retread & Vulcan. Co. | 775 | 870 | 731 | 738 | 736 | 740 | 737 | 725 | -6 |
| 22.3e1 | (2) | De Kalb (C) | 1306 | 860 | 662 | | | 668 | | 649 | -13 |
| 23.1g | (9) | De Kalb (C) | 1330 | 885 | 719 | | 729 | 735 | 746 | 735 | +16 |
| 23.2e | (5) | De Kalb (C) | 1330 | 890 | 646 | | 647 | 647 | 651 | 641 | -5 |
| 23.4d | (4) | De Kalb (C) | 1178 | 885 | 702 | | 720 | 716 | 711 | 652 | -50 |
| 23.8e | (8) | De Kalb (C) | 949 | 875 | 653 | | 667 | | | 643 | -10 |
| 26.3g1 | (1) | Del Monte (Plant III) | 1324 | 890 | | 688 | | 660 | 660 | 668 | |
| 26.3g2 | (2) | Del Monte (Plant III) | 1345 | 890 | 702 | 680 | | 650 | 650 | 658 | -44 |
| 26.7d | (7) | De Kalb (C) | 1315 | 885 | 689 | 660 | 684 | 668 | 672 | 659 | -26 |
| 40N5E- | | | | | | | | | | | |
| 5.5e | (5) | Sycamore (C) | 1227 | 872 | 623 | | | | | | |
| 41N5E- | | | | | | | | | | | |
| 32.6c | (4) | Sycamore (C) | 1290 | 855 | 717 | | | | | 701 | -16 |
| 32.7g | (6) | Sycamore (C) | 1213 | 840 | | | | | 655 | 628 | |
| 42N3E- | | | | | | | | | | | |
| 26.3h2 | (2) | Kirkland (V) | 636 | 775 | 760 | | | | | 758 | -2 |
| 42N4E- | | | | | | | | | | | |
| 22.7a2 | (2) | Kingston (V) | 311 | 825 | 750 | | 745 | | | 741 | -9 |
| 42N5E- | | | | | | | | | | | |
| 19.4b | (3) | Genoa (C) | 732 | 830 | 722 | | | 722 | | 717 | -5 |
| 19.6b2 | (2) | Genoa (C) | 730 | 820 | 728 | | | 726 | | 710 | -18 |
| 20.7a | (4) | Genoa (C) | 770 | 847 | | | | | 682 | 676 | |
| DUP-- | | | | | | | | | | | |
| 37N11E- | | | | | | | | | | | |
| 2.7d | (1) | Ramblin Rose South | 1610 | 710 | | 118 | | | | 68 | |
| 3.8a1 | (1A) | Argonne National Lab. | 1595 | 670 | 145 | | 152 | | | 117 | -28 |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DUP-- (Continued) | | | | | | | | | | | |
| 38N9E- | | | | | | | | | | | |
| 13.2b3 | (7) | Naperville (C) | 1445 | 680 | 190 | 185 | 188 | | | 158 | -32 |
| 15.7d | | J. S. Plastics Co. | 1000 | 704 | | | | | | 220 | |
| 38N10E- | | | | | | | | | | | |
| 30.4d2 | (16) | Naperville (C) | 1478 | 690 | | | | | 155 | 145 | |
| 38N11E- | | | | | | | | | | | |
| 28.1c2 | (4) | Brookhaven Manor Water Co. | 1612 | 760 | | | 134 | | | 132 | |
| 39N9E- | | | | | | | | | | | |
| 5.5d | (5) | West Chicago (C) | 1376 | 751 | | 366 | | 361 | 351 | 343 | |
| 15.7d | (4) | West Chicago (C) | 1465 | 746 | 274 | | 258 | 231 | 236 | 218 | -56 |
| 19.6c | (4) | National Accelerator Lab. | 1432 | 756 | | | | | | 241 | |
| 39N10E- | | | | | | | | | | | |
| 1.4d | | Commonwealth Edison Co. | 1465 | 740 | 130 | | | | | 84 | -46 |
| 39N11E- | | | | | | | | | | | |
| 1.8f1 | (1) | Elmhurst (C) | 1475 | 678 | 8 | -32 | -32 | | | -91 | -99 |
| 4.1f | (7) | Villa Park (V) | 1418 | 702 | 42 | -6 | | -5 | | -6 | -48 |
| 6.3a | (4) | Lombard (V) | 1560 | 700 | 115 | 101 | 101 | 85 | 55 | 56 | -59 |
| 9.1h | (1) | Villa Park (V) | 1475 | 694 | 40 | 35 | 25 | 5 | 5 | -10 | -50 |
| 9.2h | (2) | Villa Park (V) | 2125 | 699 | 49 | 72 | | 25 | | 28 | -21 |
| 10.1h | (4) | Elmhurst (C) | 1390 | 669 | 0 | 9 | 17 | | -66 | -71 | -71 |
| 10.4g6 | (7) | Ovaltine Food Products | 1936 | 675 | -6 | | | | 6 | 5 | +11 |
| 10.4g8 | (9) | Ovaltine Food Products | 2002 | 670 | 20 | | | | -24 | -50 | -70 |
| 12.8e | (5) | Elmhurst (C) | 1480 | 677 | -3 | -63 | 12 | 3 | | -31 | -28 |
| 13.3g2 | (10) | Elmhurst (C) | 1567 | 705 | | | 75 | -40 | 20 | 25 | |
| 16.1b | (8) | Villa Park (V) | 1485 | 705 | 69 | 63 | | 41 | | 17 | -52 |
| 17.8d | (7) | Lombard (V) | 1520 | 730 | 132 | 132 | 111 | 113 | | 25 | -107 |
| 20.7a | (8) | Lombard (V) | 1630 | 775 | | | 80 | 62 | 37 | 35 | |
| 26.5h | (1) | Oakbrook Utility Co. | 1521 | 685 | 51 | 50 | | | | 32 | -19 |
| 26.8h | (2) | Oakbrook Utility Co. | 1405 | 690 | | 60 | | | | 35 | |
| 40N10E- | | | | | | | | | | | |
| 14.8c2 | (2) | Bloomingdale (V) | 1395 | 750 | 198 | | | 131 | 149 | 97 | -101 |
| 40N11E- | | | | | | | | | | | |
| 13.4b | (6) | C. M. ST. P. & P. Railroad | 1440 | 671 | 151 | | 107 | | 103 | 107 | -44 |
| 13.8e2 | (2) | Bensenville (V) | 1442 | 676 | 31 | 71 | 58 | | | -24 | -55 |
| 14.4e | (3) | Bensenville (V) | 1445 | 670 | 2 | 42 | 50 | 0 | 9 | -15 | -17 |
| 26.1d | (9) | Elmhurst (C) | 1479 | 675 | | | 0 | | | -80 | |
| 31.5a | (5) | Lombard (V) | 1793 | 738 | 110 | 110 | 83 | 65 | 49 | 63 | -47 |
| 35.5e | (6) | Elmhurst (C) | 1471 | 703 | -4 | 12 | -17 | -37 | -40 | -52 | -48 |
| GRY-- | | | | | | | | | | | |
| 31N6E- | | | | | | | | | | | |
| 6.2a3 | (3) | Kinsman (V) | 710 | 658 | | | | | | 510 | |
| 31N8E- | | | | | | | | | | | |
| 4.1a2 | (4) | Gardner (V) | 1933 | 588 | | | 423 | | | 419 | |
| 11.6a | (4) | South Wilmington (V) | 970 | 585 | 473 | 334 | | | 337 | | |
| 11.6b3 | (3) | South Wilmington (V) | 970 | 586 | 320 | | | | 344 | 308 | -12 |
| 32N8E- | | | | | | | | | | | |
| 3.1e | (4) | Coal City (V) | 793 | 567 | | | | 377 | | 352 | |
| 26.1f | (1) | Braceville (V) | 868 | 585 | 355 | | | | | | |
| 33N6E- | | | | | | | | | | | |
| 29.3e | (6) | E. I. DuPont | 1530 | 610 | | | | 351 | 443 | 410 | |
| 29.3d | (2) | E. I. DuPont | 1428 | 501 | 439 | | 439 | 326 | 373 | 371 | -68 |
| 29.4e | (3) | E. I. DuPont | 1545 | 606 | | | | 419 | | | |
| 29.5e | (1) | E. I. DuPont | 1515 | 606 | | | 396 | 426 | 381 | 446 | |
| 33N7E- | | | | | | | | | | | |
| 4.2a3 | (3) | Morris (C) | 865 | 523 | 449 | | 428 | | 448 | 445 | -4 |
| 4.4c | (5) | Morris (C) | 1442 | 506 | 434 | | 448 | 422 | 421 | 416 | -18 |
| 6.3g | | Heatherfield Subdivision | 520 | 549 | 478 | | | | | 488 | +10 |
| 9.3h | (4) | Morris (C) | 1492 | 519 | 419 | | | | 429 | 429 | +10 |
| 33N8E- | | | | | | | | | | | |
| 35.4e | (1) | DeMert & Dougherty Inc. | 805 | 560 | 405 | | | | | 380 | -25 |
| 36.5a | (1) | Diamond (V) | 723 | 565 | 400 | | | | | 370 | -30 |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GRY-- (Continued) | | | | | | | | | | | |
| 34N8E- | | | | | | | | | | | |
| 1.3e | (3) | Minooka (V) | 1508 | 610 | 365 | 360 | 355 | 350 | | 337 | -28 |
| 1.5e | (2) | Minooka (V) | 620 | 613 | 368 | | | | 355 | 388 | +20 |
| 20.2e | (1) | Northern Petrochemical Co. | 1453 | 524 | | | 477 | 420 | 412 | 350 | |
| 21.3f | (2) | Amax Aluminum Co. | 1515 | 525 | | | | | | 335 | |
| 21.3g | (1) | Amax Aluminum Co. | 1540 | 525 | | 463 | | | 430 | 385 | |
| 21.9a | (3) | Northern Petrochemical Co. | 1463 | 523 | | | | | 408 | 378 | |
| 21.9c | (2) | Northern Petrochemical Co. | 1470 | 523 | | | | | 403 | 360 | |
| 28.1d2 | (7) | Northern Petrochemical Co. | 1492 | 490 | | 384 | 385 | | | 400 | |
| 28.5f | (5) | Northern Petrochemical Co. | 1455 | 503 | | | | | 433 | | |
| 34.5h | | Reichold Chemical Co. | 706 | 510 | | | | 447 | | | |
| 35.1e | (2) | Dresden Nuclear Power Sta. | 1500 | 515 | 372 | 368 | 356 | 356 | 339 | 346 | -26 |
| 35.1g | (1) | Dresden Nuclear Power Sta. | 1499 | 519 | | | 347 | 270 | 258 | 258 | |
| 35.1g | (1) | Dresden Nuclear Power Sta. | 788 | 519 | 374 | 361 | 335 | | | | |
| 35.4d | (2) | General Electric Co. | 788 | 533 | | | 397 | | | | |
| JDV-- | | | | | | | | | | | |
| 26N1E- | | | | | | | | | | | |
| 10.5g | (7) | Savanna Army Depot | 1078 | 594 | 622 | 622 | | | | 599 | -23 |
| 26N2E- | | | | | | | | | | | |
| 9.4b | (1) | Hanover (V) | 950 | 625 | 597 | | | 615 | | 615 | +18 |
| 9.5c | (2) | Hanover (V) | 1180 | 660 | 614 | | | 615 | | 612 | -2 |
| 19.3c | (b) | Savanna Army Depot | 1180 | 631 | 645 | 645 | 636 | 659 | | 621 | -24 |
| 27N4E- | | | | | | | | | | | |
| 11.4e | (6) | Stockton (V) | 1019 | 1010 | 765 | | | | | 764 | -1 |
| 28N1W- | | | | | | | | | | | |
| 13.7g | (5) | Galena (C) | 1593 | 843 | 608 | 610 | 610 | | | 624 | +16 |
| 28N1E- | | | | | | | | | | | |
| 20.1g3 | (3) | Galena (C) | 1575 | 610 | 620 | 620 | | | | 630 | +10 |
| 20.1g4 | (4) | Galena (C) | 1516 | 610 | 620 | 620 | | | | 635 | +15 |
| 28N3E- | | | | | | | | | | | |
| 15.1h | (2) | Apple Canyon Lake Sbd. | 1825 | 920 | | | | | 682 | 702 | |
| 29N2E- | | | | | | | | | | | |
| 26.3b2 | (2) | Scales Mound (V) | 374 | 943 | 909 | | | | | 893 | -16 |
| 26.3b3 | (3) | Scales Mound (V) | 451 | 948 | | | | | | 895 | |
| 29N4E- | | | | | | | | | | | |
| 19.3g | (1) | Apple River (V) | 380 | 1005 | | | 961 | | | | |
| 24.2e2 | (2) | Warren (V) | 963 | 1010 | 842 | | | | | 832 | -10 |
| 24.2e3 | (3) | Warren (V) | 1000 | 1008 | | | | | 780 | 765 | |
| KNE-- | | | | | | | | | | | |
| 38N7E- | | | | | | | | | | | |
| 5.2d | (1) | Waubonsee Comm. College | 1323 | 703 | | | | 499 | 490 | 484 | |
| 38N8E- | | | | | | | | | | | |
| 1.2c | (20) | Aurora (C) | 1400 | 715 | | 285 | 358 | | | 225 | |
| 4.1f | (2) | North Aurora (V) | 1272 | 635 | 300 | | | | | 225 | -45 |
| 4.3g | (3) | North Aurora (V) | 1305 | 675 | 335 | | | | | 271 | -64 |
| 4.8d | (4) | North Aurora (V) | 1325 | 689 | | | 318 | | | | |
| 9.2d1 | (1) | Mercyville Sanitarium | 1411 | 697 | 301 | 302 | 289 | 274 | 239 | 240 | -61 |
| 13.7b1 | (2) | Aurora Paper Board Co. | 1787 | 696 | | | | 266 | | 180 | |
| 13.8b | (2) | Aurora Paper Board Co. | 1397 | 696 | 282 | | | 264 | | 181 | -101 |
| 15.4g2 | (12) | Aurora (C) | 2253 | 644 | 226 | | | | 234 | 199 | -27 |
| 15.4h | (11) | Aurora (C) | | 635 | | | | | 435 | 200 | |
| 15.5e | | Aurora Bleachery | 1276 | 648 | | | | 248 | 240 | 248 | |
| 15.6f | | Oberweiss Dairy | 875 | 660 | | | 286 | | | | |
| 15.6h | | Alba Mfg. Co. | 1543 | 645 | 281 | | 268 | | | 208 | -73 |
| 16.4d | (17) | Aurora (C) | 2152 | 685 | 275 | | | 315 | | 295 | +20 |
| 19.5a | (19) | Aurora (C) Before Plugged | 2150 | | 317 | | | 408 | | | |
| 19.5a | (19) | Aurora (C) After Plugged | 1424 | 685 | | | | 357 | | 227 | |
| 22.7b | (8) | Aurora (C) | 1396 | 628 | 204 | 143 | | | 218 | | |
| 24.7c | (18) | Aurora (C) | 2150 | 715 | 270 | | | 242 | | 202 | -68 |
| 27.5a | (6) | Aurora (C) | 2185 | 662 | 312 | 292 | | | 171 | 197 | -115 |
| 29.2h | (15) | Aurora (C) Before Plugged | 2150 | 665 | 259 | 329 | | | | | |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations | | | | | | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | |
| KNE 38N8E- (Continued) | | | | | | | | | | | |
| 29.2h | (15) | Aurora (C) After Plugged | 1600 | 665 | | | | | 226 | 150 | |
| 32.4f | (4) | Montgomery (V) | 1333 | 640 | | 246 | 255 | 235 | 170 | 203 | |
| 33.8c1 | (3) | Montgomery (V) | 1331 | 633 | 292 | | 268 | | 152 | 193 | -99 |
| 34.8g | (16) | Aurora (C) | 2150 | 660 | 240 | 323 | | | 215 | 217 | -23 |
| 39N7E- | | | | | | | | | | | |
| 5.8f | (1) | Elburn (V) | 1350 | 850 | 540 | | 529 | 524 | 520 | 516 | -24 |
| 6.3f1 | (3) | Elburn Packing Co. | 905 | 840 | 524 | | | | 504 | | |
| 39N8E- | | | | | | | | | | | |
| 2.4c | (5) | Geneva (C) | 2292 | 753 | 379 | 373 | 453 | | | 353 | -26 |
| 3.1b2 | (2) | Geneva (C) | 2172 | 678 | 413 | 408 | 408 | | | 393 | -20 |
| 3.2b | (4) | Geneva (C) | 2267 | 719 | 404 | 399 | 394 | | 359 | 339 | -65 |
| 3.5e | (1) | Burgess Norton Mfg. Co. | 1340 | 760 | 323 | 316 | 278 | 251 | 240 | 230 | -93 |
| 3.8g | (3) | Geneva (C) | 1578 | 759 | 394 | | | | 357 | 359 | -35 |
| 9.8h2 | (6) | Geneva (C) | 1350 | 755 | | 393 | 373 | | | 358 | |
| 11.7e4 | (4) | Ill. State Training School | 2001 | 730 | | 383 | 375 | 368 | 363 | 347 | |
| 15.6g | (2) | Campana | 1352 | 706 | 392 | | 386 | | | | |
| 23.8f | (4) | Batavia (C) | 1357 | 721 | 376 | 375 | 361 | 363 | 356 | 341 | -35 |
| 33.4g | (1) | Mooseheart | 2248 | 694 | 441 | | 434 | 444 | 434 | 420 | -21 |
| 33.5g | (2) | Mooseheart | 1485 | 708 | 384 | | 327 | 327 | | 406 | +22 |
| 40N7E- | | | | | | | | | | | |
| 16.6e | (1) | Windings of Ferson Creek | 1409 | 950 | | | | 533 | | | |
| 18.3e | | G. Pruitt | 800 | 945 | | | | | | 548 | |
| 23.4g | | Wasco School | 670 | 820 | | | | | | 459 | |
| 32.8b | (3) | Elburn (V) | 1393 | 900 | | | | | | 538 | |
| 40N8E- | | | | | | | | | | | |
| 26.2d | (1) | Coca-Cola Bottling Co. | 1333 | 760 | | 355 | | | 355 | 354 | |
| 27.5a1 | (3) | St. Charles (C) | 2198 | 690 | 416 | | 406 | | | | |
| 27.6b | (4) | St. Charles (C) | 2200 | 692 | 422 | | | | 349 | 329 | -93 |
| 31.6f | (5) | Ill. St. Training School | 1292 | 763 | | | | 434 | 445 | 422 | |
| 31.6h | (4) | Ill. St. Training School | 1322 | 790 | 509 | | | 443 | | 420 | -89 |
| 34.5g2 | (2) | Howell Co. | 1268 | 685 | 391 | | 362 | 377 | | 328 | -63 |
| 34.6e1 | (5) | St. Charles (C) | 1856 | 764 | 394 | 386 | | 374 | | 352 | -42 |
| 34.6e2 | (6) | St. Charles (C) | 2249 | 755 | 448 | | | 415 | 439 | 395 | -53 |
| 41N6E- | | | | | | | | | | | |
| 9.1g2 | (2) | Burlington (C) | 1105 | 920 | 622 | | 598 | | | 585 | -37 |
| 41N7E- | | | | | | | | | | | |
| 19.3d | (2) | Central High Sch. 2 | 1022 | 1037 | | | | | 545 | 540 | |
| 41N8E- | | | | | | | | | | | |
| 11.3f1 | (1) | Elgin (C) | 1945 | 741 | 332 | 362 | 362 | 351 | | 266 | -66 |
| 11.3f2 | (2) | Elgin (C) | 1935 | 743 | 348 | 353 | 383 | 323 | | 273 | -75 |
| 11.3f3 | (3) | Elgin (C) | 1793 | 745 | 327 | 335 | 385 | 325 | | 285 | -42 |
| 11.3f4 | (4) | Elgin (C) | 1880 | 740 | 360 | 368 | 280 | 320 | | 270 | -90 |
| 11.3f5 | (5) | Elgin (C) | 1255 | 740 | 335 | 358 | 260 | 300 | | 290 | -45 |
| 11.3f6 | (6) | Elgin (C) | 1300 | 740 | 350 | 355 | 260 | 290 | | 260 | -90 |
| 12.3e | (1) | Simpson Co. | 998 | 805 | 381 | 378 | 372 | 369 | 365 | 356 | -25 |
| 16.4c | (1a) | Elgin (C) | 1268 | 840 | 451 | 361 | | 391 | | 377 | -74 |
| 16.4d1 | (2a) | Elgin (C) | 1353 | 860 | 472 | 372 | | 402 | | 382 | -90 |
| 16.4d2 | (3a) | Elgin (C) | 1378 | 860 | | 413 | | 403 | | 383 | |
| 23.6b | (2) | Elgin State Hospital | 2000 | 760 | 430 | | 446 | | | | |
| 24.1a | | Elgin (C) | 1978 | 733 | 377 | 373 | | 343 | | 358 | -19 |
| 24.3b3 | | Elgin (C) | 1255 | 728 | 365 | 357 | | 328 | | 353 | -12 |
| 35.8g | (1) | South Elgin (V) | 1400 | 761 | 479 | | | | | 476 | -3 |
| 42N6E- | | | | | | | | | | | |
| 3.1e | | Ill. Toll Highway Comm. | 962 | 910 | | | | | | 665 | |
| 21.4b | (3) | Hampshire (V) | 818 | 878 | | | 753 | | | | |
| 42N8E- | | | | | | | | | | | |
| 22.7f | | D. Hill Nursery | 1227 | 790 | 430 | | 435 | 370 | | 405 | -25 |
| 27.1e | (1) | West Dundee (V) | 1200 | 725 | 381 | 408 | 388 | | 371 | 361 | -20 |
| KNK-- | | | | | | | | | | | |
| 30N9E- | | | | | | | | | | | |
| 6.8a | (1) | Reddick (V) | 1188 | 612 | 439 | | | | | 402 | -37 |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations | | | | | | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | |
| KNK-- (Continued) | | | | | | | | | | | |
| 30N10E- | | | | | | | | | | | |
| 28.8h | (6) | Hersher (V) | 773 | 645 | 470 | 462 | 430 | 423 | 435 | | |
| 29.2h | (5) | Hersher (V) | 789 | 650 | 463 | | | | 490 | 515 | +52 |
| KEN-- | | | | | | | | | | | |
| 37N7E- | | | | | | | | | | | |
| 32.1e2 | (3) | Yorkville | 1335 | 584 | 476 | 463 | 462 | | 447 | 410 | -66 |
| 37N8E- | | | | | | | | | | | |
| 5.5i | (1) | Western Electric Co. | 1332 | 640 | 317 | | | | | 196 | -121 |
| 5.6e2 | (2) | Aurora Sanitary Dist. | 1325 | 628 | 320 | | | | | 251 | -69 |
| 5.9f | (1E) | Caterpillar Tractor Co. | 1384 | 661 | 299 | | 301 | | 240 | 255 | -44 |
| 6.2d | (3) | Caterpillar Tractor Co. | 1352 | 661 | 319 | | 339 | 294 | | 263 | -56 |
| 6.2f | (2) | Caterpillar Tractor Co. | 1346 | 660 | 306 | 338 | | 312 | 270 | 262 | -44 |
| 17.2e | (4) | Oswego (V) | 1344 | 658 | 292 | 299 | 307 | | 302 | 277 | -15 |
| 20.8h | (3) | Oswego (V) | 1378 | 640 | 365 | 368 | 373 | 358 | 330 | 305 | -60 |
| LKE-- | | | | | | | | | | | |
| 43N10E- | | | | | | | | | | | |
| 14.7d | (1) | Lumbermans Mutual | 1400 | 796 | | | | | 296 | | |
| 15.2d | (2) | Lumbermans Mutual | 1402 | 796 | | | | | 268 | | |
| 18.4h | (5) | Lake Zurich (V) | 1345 | 822 | 307 | | 352 | | 264 | 254 | -53 |
| 21.5e | (7) | Lake Zurich (V) | 1333 | 846 | | | | | | 276 | |
| 43N11E- | | | | | | | | | | | |
| 22.6d | (3) | Lincolnshire (V) | 1300 | 667 | | | | | | 167 | |
| 23.5g | (1) | Lincolnshire (V) | 1305 | 645 | 240 | | | | 185 | 155 | -85 |
| 32.8f | (2) | Buffalo Grove (V) | 1355 | 703 | | | 208 | | | 160 | |
| 43N12E- | | | | | | | | | | | |
| 30.7e | (1) | Riverwoods Sewer & Water Co. | 1367 | 677 | 269 | | | | | 134 | -135 |
| 31.3c | (1) | Baxter Travenol Lab. | 1465 | 680 | | | | 170 | | 125 | |
| 31.5f | | Ill. Toll Highway Comm. | 1055 | 680 | | | | 178 | | | |
| 33.5c | (1) | Kitchens of Sara Lee | 1350 | 690 | 210 | 284 | | | | | |
| 44N10E- | | | | | | | | | | | |
| 12.8a | (9) | Mundelein (V) | 1380 | 830 | | | | 380 | 326 | 305 | |
| 44N11E- | | | | | | | | | | | |
| 19.3c | (6a) | Mundelein (V) | 1405 | 743 | | 313 | 303 | 253 | 263 | 248 | |
| 21.7f2 | (11) | Libertyville (V) | 1490 | 703 | | | | 343 | | 263 | |
| 24.3a | (1) | Knollwood Country Club | 1566 | 680 | 412 | | | | | 305 | -107 |
| 31.4h | (8) | Mundelein (V) | 1383 | 730 | 330 | 300 | 250 | 230 | 260 | 260 | -70 |
| 33.3g | | Hawthorne Melody Farms | 1290 | 690 | | 334 | | | | 235 | |
| 44N12E- | | | | | | | | | | | |
| 21.8f2 | (4) | Lake Bluff (V) | 1804 | 680 | 423 | 417 | 414 | 399 | 394 | 365 | -58 |
| 32.2c | (1) | Owentsia Golf Club | 1023 | 660 | 280 | | | | | 220 | -40 |
| 45N10E- | | | | | | | | | | | |
| 26.7c2 | (2) | Grayslake Gelatin Co. | 1040 | 785 | | | | 422 | 437 | | |
| 45N11E- | | | | | | | | | | | |
| 14.4d | (1) | Midwest Molding & Mfg. | 1481 | 665 | | | | | | 478 | |
| 14.5a | (1) | Gurnee (V) | 1517 | 665 | 473 | | | | 499 | 401 | -72 |
| 29.8a | (2) | Wildwood (V) | 1845 | 785 | 453 | | | | | 422 | -13 |
| 30.4g | (4) | Wildwood (V) | 1320 | 795 | | | | | 418 | | |
| 36.7d | (1) | American Hosp. & Supply Co. | 1421 | 710 | | | | 403 | 402 | | |
| 45N12E- | | | | | | | | | | | |
| 15.8e1 | (1) | Griess-Pfleger Tanning Co. | 1670 | 588 | | | | | | 368 | |
| 30.6c | (1) | Gene's Mobile Home Park | 990 | 699 | | | | | 394 | | |
| 30.8e | (3) | Midway Mobile Homes | 1450 | 693 | | | | 352 | | | |
| 46N12E- | | | | | | | | | | | |
| 8.1d | (6) | Winthrop Harbor (V) | 1500 | 690 | | | | 480 | 487 | 430 | |
| 46N12E- | | | | | | | | | | | |
| 21.1b1 | (1) | Zion (C) | 1100 | 633 | 494 | 482 | 478 | 461 | 456 | 448 | -46 |
| LAS-- | | | | | | | | | | | |
| 31N1E- | | | | | | | | | | | |
| 24.6e2 | (4) | Lostant (V) | 1881 | 698 | | | | | 474 | 476 | |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations | | | | | | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | |
| LAS-- (Continued) | | | | | | | | | | | |
| 31N3E- | | | | | | | | | | | |
| 22.8h | (1) | Kangley (V) | 542 | 632 | | | | | | 477 | |
| 32N1E- | | | | | | | | | | | |
| 4.7b | (1) | Cedar Point Light & Power Co. | 1749 | 653 | | 499 | | | | | |
| 33N1E- | | | | | | | | | | | |
| 15.1h1 | (1) | M & H Zinc Co. | 2000 | 585 | | | | | | 475 | |
| 15.1h2 | (1) | Carus Chemical | 1617 | 580 | | | 475 | | | 480 | |
| 16.8a2 | (4) | Peru (C) | 1505 | 460 | 462 | 456 | 453 | 452 | 463 | 461 | -1 |
| 16.8a3 | (6) | Peru (C) | 2665 | 540 | 454 | | | | | 423 | -31 |
| 20.2h2 | (5) | Peru (C) | 2601 | 465 | 391 | | | | 438 | 412 | +21 |
| 20.8h | (1) | American Nickeloid Co. | 1632 | 600 | | | | | | 489 | |
| 21.8h | (7) | Peru (C) | 2591 | 460 | 464 | | | | 418 | 366 | -98 |
| 36.6g2 | (3) | Oglesby (C) | 2812 | 590 | | | | | 423 | | |
| 36.6g3 | (4) | Oglesby (C) | 2747 | 630 | | | | 454 | 463 | 445 | |
| 33N2E- | | | | | | | | | | | |
| 9.4b | (1) | American Silica Co. | 542 | 460 | | | | | 430 | 437 | |
| 9.6b | (1) | Philadelphia Quartz Co. | 200 | 480 | 480 | | | | | 464 | -16 |
| 9.8b | (1) | Utica (V) | 618 | 480 | | 480 | | | 480 | 480 | |
| 9.8f | (1) | Bell Rose Silica Co. | 345 | 540 | | 466 | | | | | |
| 21.3g | (2) | Starved Rock State Park | 401 | 470 | 442 | | | | 442 | | |
| 33N3E- | | | | | | | | | | | |
| 1.6b | (7) | Ottawa (C) | 1180 | 489 | 439 | | | | | 439 | 0 |
| 1.8a | (8) | Ottawa (C) | 1180 | 489 | | | | | | 431 | |
| 2.4b | (9) | Ottawa (C) | 1220 | 495 | 450 | 457 | 446 | 438 | 443 | 444 | -6 |
| 3.2b | (1) | Union Carbide | 1225 | 490 | 444 | 425 | | 418 | 419 | | |
| 3.5a | (2) | Union Carbide | 1255 | 490 | 434 | 411 | | 386 | 421 | 413 | -21 |
| 10.8d | | Ottawa Silica Co. | 1060 | 480 | | | | | | 430 | |
| 16.1d | (5) | Libbey-Owens-Ford Glass Co. | 1255 | 470 | | 445 | | | | 440 | |
| 16.1g | (1) | Naplate (V) | 420 | 488 | | | | 443 | 428 | 431 | |
| 17.6c2 | (2) | Buffalo Rock State Park | 480 | 542 | | | | | | 455 | |
| 33N4E- | | | | | | | | | | | |
| 13.2a | (2) | National Biscuit Co. | 546 | 483 | | | | | | 454 | |
| 13.3c | (2) | Marseilles (C) | 850 | 498 | 483 | | | | | 470 | -13 |
| 15.7e | (2) | Marbon Chemical Co. | 1292 | 480 | 467 | | | | 390 | 393 | -74 |
| 15.7f | (1) | Marbon Chemical Co. | 1253 | 480 | 472 | | 440 | | 460 | 432 | -40 |
| 24.8g | (1) | Illini State Park | 500 | 500 | | | | | | 477 | |
| 33N5E- | | | | | | | | | | | |
| 24.8c1 | (1) | Seneca (V) | 700 | 510 | | 450 | | | | 425 | |
| 24.8c2 | (2) | Seneca (V) | 700 | 510 | | | | | 457 | | |
| 25.4e | (3) | Ringo Farms Inc. | 654 | 505 | 438 | | | | | 439 | +1 |
| 25.4g1 | (1) | Ringo Farms Inc. | 451 | 505 | 434 | | | | | 447 | +13 |
| 25.4g2 | (2) | Ringo Farms Inc. | 1447 | 505 | | | | | | 439 | |
| 34N3E- | | | | | | | | | | | |
| 26.7b | (1) | La Salle County Farm Bureau | 470 | 625 | | 480 | | | | 476 | |
| 35.5a2 | (2) | Oak Lane Development Corp. | 504 | 605 | | | | | 459 | 456 | |
| 34N4E- | | | | | | | | | | | |
| 9.4a | (1) | Wedron Silica Co. | 261 | 545 | 493 | | | | | 495 | +2 |
| 16.3f | (2) | St. Joseph's Sanitarium | 338 | 535 | | | | | | 495 | |
| 34N5E- | | | | | | | | | | | |
| 2.2i | (1) | Amer. Tel. & Telegraph Co. | 1348 | 770 | 475 | | | | | 511 | +36 |
| 2.3h | (2) | Amer. Tel. & Telegraph Co. | 1353 | 770 | | | | | | 507 | |
| 35N5E- | | | | | | | | | | | |
| 8.6b | (1) | Ill. State Industrial Sch. | 885 | 591 | 569 | | 574 | 574 | 574 | 574 | +5 |
| 17.7h | (3) | Ill. State Industrial Sch. | 900 | 592 | | | | 567 | 567 | 561 | |
| 36N1E- | | | | | | | | | | | |
| 27.4a1 | (1) | Del Monte Packing Corp. | 1384 | 730 | 637 | | | 621 | 610 | 601 | -36 |
| 27.5b | (2) | Del Monte Packing Corp. | 1385 | 740 | | | | 642 | 630 | 630 | |
| 32.1a | (4) | Mendota (C) | 1450 | 740 | 648 | 648 | 641 | 633 | 630 | 604 | -44 |
| 33.3h | (3) | Mendota (C) | 1377 | 740 | 540 | 548 | 568 | 542 | 568 | 594 | +54 |
| 36N3E- | | | | | | | | | | | |
| 18.4d3 | (1) | Earlville (C) | 625 | 703 | 668 | 668 | 661 | | | 668 | 0 |
| 18.10a3 | (3) | Marathon Electric Mfg. Corp. | 887 | 699 | | | | 669 | | 668 | |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LAS-- (Continued) | | | | | | | | | | | |
| 36N4E- | | | | | | | | | | | |
| 8.5h1 | (1) | Leland (V) | 230 | 701 | 671 | | | | | 671 | 0 |
| 8.5h2 | (2) | Leland (V) | 220 | 700 | 680 | | | | | 682 | +2 |
| LEE-- | | | | | | | | | | | |
| 19N10E- | | | | | | | | | | | |
| 1.3f | (1) | Woodhaven Lakes | 1463 | 855 | | | | | | 685 | |
| 19N11E- | | | | | | | | | | | |
| 9.1a2 | (2) | Sublette (V) | 771 | 920 | | 644 | 619 | 619 | 674 | 619 | |
| 20N10E- | | | | | | | | | | | |
| 22.1g | (3) | Amboy (C) | 1105 | 750 | | | | | | 676 | |
| 22.2g1 | (1) | Amboy (C) | 2012 | 750 | | | | | 720 | | |
| 21N8E- | | | | | | | | | | | |
| 8.3a | (1) | Sauk Valley Jr. College | 1400 | 655 | | | 615 | | | 618 | |
| 21N9E- | | | | | | | | | | | |
| 3.7c | (8) | Dixon (C) | 1872 | 790 | | | | | 657 | | |
| 5.5a | (7) | Dixon (C) | 1870 | 740 | | 646 | 638 | 640 | 634 | 630 | |
| 22N9E- | | | | | | | | | | | |
| 21.4a1 | (1) | Dixon State School | 1922 | 680 | 596 | 591 | 642 | 624 | 634 | 624 | +28 |
| 21.4a2 | (2) | Dixon State School | 1780 | 680 | 606 | 601 | | | | 629 | +23 |
| 21.7a | (3) | Dixon State School | 1965 | 780 | 649 | 648 | | | | 633 | -16 |
| 27.7b2 | (1) | Medusa Portland Cement Co. | 400 | 660 | 640 | | 642 | 642 | 642 | 642 | +2 |
| 27.7b1 | (2) | Medusa Portland Cement Co. | 200 | 660 | 650 | | 650 | | 650 | 650 | 0 |
| 27.8a1 | (3) | Medusa Portland Cement Co. | 250 | 660 | 635 | | 640 | 640 | 640 | 637 | +2 |
| 27.8a2 | (4) | Medusa Portland Cement Co. | 250 | 660 | 635 | | | 645 | 645 | 642 | +7 |
| 29.3b | (6) | Dixon (C) | 1720 | 775 | 620 | 630 | 610 | 642 | 621 | 622 | +2 |
| 31.1a4 | (4) | Borden Co. | 189 | 680 | | | | | | 657 | |
| 31.1b | (6) | Borden Co. | 202 | 670 | 643 | | 646 | 646 | 655 | 652 | +9 |
| 32.1a | (5) | Dixon (C) | 1472 | 660 | | 630 | 630 | 630 | | | |
| 33.8a1 | (3) | Dixon (C) | 1700 | 656 | | 626 | 626 | 636 | 626 | 622 | |
| 22N11E- | | | | | | | | | | | |
| 27.7c1 | (1) | Ashton (V) | 545 | 810 | 765 | 738 | | 735 | 740 | 740 | -25 |
| 37N1E- | | | | | | | | | | | |
| 8.8e3 | (3) | West Brooklyn (V) | 650 | 945 | | | 695 | | 695 | | |
| 37N2E- | | | | | | | | | | | |
| 10.2b | (3) | Paw Paw (V) | 1055 | 940 | | | | | | 715 | |
| 10.2b1 | (1) | Paw Paw (V) | 1018 | 928 | | | 678 | 721 | 778 | | |
| MCH-- | | | | | | | | | | | |
| 43N5E- | | | | | | | | | | | |
| 25.1b | | Ill. Toll Highway Comm. | 625 | 858 | | | | 672 | | | |
| 43N8E- | | | | | | | | | | | |
| 6.4a | (6) | Crystal Lake (C) | 1295 | 892 | 468 | | 435 | 455 | | 457 | -11 |
| 12.3d | (4) | Cary (V) | 1350 | 855 | 455 | | | | | 440 | -15 |
| 44N5E- | | | | | | | | | | | |
| 35.3g | (3) | Marengo (C) | 1028 | 817 | 713 | | | | | 698 | -15 |
| 35.5h | | Arnold Engineering Co. | 846 | 818 | 721 | | 721 | 712 | 714 | 704 | -17 |
| 44N8E- | | | | | | | | | | | |
| 33.5a2 | (7) | Crystal Lake (C) | 1400 | 930 | 508 | | | | | 465 | -43 |
| 45N6E- | | | | | | | | | | | |
| 19.3f | (1) | Plum Tree National Golf Club | 925 | 984 | | | 732 | | | | |
| 45N8E- | | | | | | | | | | | |
| 10.8a | (2) | Modine Mfg. Co. | 1200 | 843 | 585 | | 553 | | | 540 | -45 |
| 10.8d | (7) | Morton Chemical Co. | 1133 | 850 | 555 | 545 | 540 | 535 | 540 | 534 | -21 |
| 15.8h | (3) | Modine Mfg. Co. | 1220 | 835 | | | 546 | | | | |
| 46N5E- | | | | | | | | | | | |
| 33.8a | (2) | Dean Milk Co. | 1775 | 880 | | | 682 | | | 688 | |
| OGL-- | | | | | | | | | | | |
| 23N8E- | | | | | | | | | | | |
| 9.4c1 | (1) | Polo (C) | 2100 | 830 | | | | | | 676 | |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OGL 23N8E- (Continued) | | | | | | | | | | | |
| 9.4c2 | (2) | Polo (C) | 1165 | 830 | | | 652 | | | | |
| 9.4c3 | (3) | Polo (C) | 1260 | 830 | | | 651 | | | 672 | |
| 23N9E- | | | | | | | | | | | |
| 9.7e | (1) | White Pines State Park | 300 | 740 | | | | | | 716 | |
| 23N10E- | | | | | | | | | | | |
| 3.3d | (1) | Oregon Ready Mix | 193 | 685 | | 662 | | | | | |
| 3.6g | (2) | Oregon (C) | 1200 | 707 | 661 | | 674 | 662 | 662 | 657 | -4 |
| 3.6j | (1) | Oregon (C) | 1690 | 672 | 650 | 642 | 637 | 637 | 640 | 652 | +2 |
| 3.7g | (3) | Oregon (C) | 1200 | 710 | 660 | 654 | 637 | 641 | 638 | 655 | -5 |
| 24N9E- | | | | | | | | | | | |
| 27.1a | (4) | Mt. Morris (V) | 1442 | 905 | 648 | 669 | 640 | | | 627 | -21 |
| 27.1f1 | (3) | Mt. Morris (V) | 1807 | 900 | 640 | 635 | 645 | | | 635 | -5 |
| 27.1f2 | (1-S) | Kable Printing Co. | 1435 | 895 | | | 635 | 625 | 578 | | |
| 27.1g | (2-N) | Kable Printing Co. | 1353 | 895 | 670 | | 678 | 677 | 676 | 640 | -30 |
| 24N11E- | | | | | | | | | | | |
| 1.2b | (1) | Stillman Valley (V) | 300 | 725 | | | | | | 690 | |
| 25N8E- | | | | | | | | | | | |
| 33.5e | (2) | Forreston (V) | 1000 | 940 | 746 | | 746 | | 748 | 721 | -25 |
| 25N9E- | | | | | | | | | | | |
| 36.5d | (2) | Leaf River (V) | 325 | 765 | | | | | | 659 | |
| 25N11E- | | | | | | | | | | | |
| 32.6g | (3) | Byron (C) | 715 | 720 | | | | 660 | | 666 | |
| 32.8e2 | (2) | Byron (C) | 673 | 720 | 659 | 661 | 661 | | | | |
| 40N1E- | | | | | | | | | | | |
| 12.6b | (1) | Hillcrest (C) | 387 | 825 | | 797 | | 792 | | | |
| 23.2a2 | (2) | Del Monte Corp. | 465 | 790 | | | | | | 674 | |
| 23.4c2 | (3) | Del Monte Corp. | 494 | 793 | | 725 | | | | 640 | |
| 24.7a1 | (3) | Rochelle (C) | 1484 | 793 | 720 | | | | | 718 | -2 |
| 24.7a2 | (4) | Rochelle (C) | 1450 | 793 | 693 | | | | | 730 | +37 |
| 25.2i | (9) | Rochelle (C) | 888 | 785 | 664 | | | | | 649 | -15 |
| 25.3f | (6) | Rochelle (C) | 867 | 800 | 697 | 708 | 713 | 718 | 699 | 704 | +7 |
| 36.2h | (10) | Rochelle (C) | 920 | 785 | 744 | | | | | 713 | -31 |
| 40N2E- | | | | | | | | | | | |
| 21.1e | (1) | Del Monte Corp. | 452 | 840 | | | | | 779 | 782 | |
| 23.1f | (2) | Creston (V) | 737 | 905 | 777 | | 777 | | | 772 | -5 |
| 30.4c | (8) | Rochelle (C) | 935 | 793 | | | | | | 700 | |
| RIS-- | | | | | | | | | | | |
| 16N3W- | | | | | | | | | | | |
| 36.3b | (1) | Reynolds (V) | 650 | 790 | | | | | | 565 | |
| 17N2W- | | | | | | | | | | | |
| 23.2f1 | (2) | Milan (V) | 1157 | 562 | | | | | | 514 | |
| 35.1d | | Suburban Heights Sbd. | 428 | 685 | | | | | | 541 | |
| 36.8h | (4) | Milan (V) | 1729 | 680 | | | | | 507 | 500 | |
| 17N1W- | | | | | | | | | | | |
| 26.4c | (2) | Coal Valley (V) | 555 | 712 | 544 | 544 | | | | 544 | 0 |
| 17N1E- | | | | | | | | | | | |
| 4.5f1 | (1) | Carbon Cliff (V) | 1150 | 575 | | | | | | 479 | |
| 7.5d | | Deere Company | 1651 | 595 | | 498 | | | 488 | 487 | |
| 18N2W- | | | | | | | | | | | |
| 25.1b | | Rock Island Arsenal | 411 | 583 | 548 | 523 | 515 | 506 | 512 | 486 | -62 |
| 18N1W- | | | | | | | | | | | |
| 30.8c | (51) | Rock Island Arsenal | 1603 | 581 | | | | | 484 | 479 | |
| 18N1E- | | | | | | | | | | | |
| 2.4c | (1) | Rapids City (C) | 532 | 700 | | | | | | 585 | |
| 19.2d | (5) | East Moline State Hospital | 1904 | 670 | 501 | 514 | 485 | 478 | 470 | 465 | -36 |
| 30.3b | | Deere & Co. | 1640 | 585 | | 505 | | | | | |
| 32.7g2 | (2) | Silvis (C) | 1985 | 595 | | | | | | 455 | |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STE-- | | | | | | | | | | | |
| 26N6E- | | | | | | | | | | | |
| 8.2f | (4) | Pearl City (V) | 668 | 843 | | | 723 | 733 | | 723 | |
| 9.8f5 | (3) | Pearl City (V) | 625 | 820 | | 808 | | 752 | | 746 | |
| 26N7E- | | | | | | | | | | | |
| 3.2e3 | (3) | Freeport College | 509 | 879 | | | | | | 823 | |
| 26N8E- | | | | | | | | | | | |
| 2.2b | (2) | Kelly-Springfield Tire Co. | 459 | 775 | | 692 | 637 | 645 | 622 | 648 | |
| 2.3b2 | (4) | Kelly-Springfield Tire Co. | 1405 | 776 | | | | | 704 | 636 | |
| 2.4b | (3) | Kelly-Springfield Tire Co. | 400 | 780 | | 755 | | 683 | 618 | 653 | |
| 26N9E- | | | | | | | | | | | |
| 32.8g | (1) | German Valley (V) | 560 | 900 | | | | | | 730 | |
| 27N7E- | | | | | | | | | | | |
| 26.8f | | Commonwealth Edison Co. | 375 | 828 | | | | | | 744 | |
| 35.5e | (2) | Park Crest Water Co. | 407 | 865 | | | | | | 767 | |
| 27N8E- | | | | | | | | | | | |
| 28.6a | (2) | Structo Toy Mfg. Co. | 423 | 755 | | | | | | 733 | |
| 30.3a4 | (3) | Burgess Battery Co. | 512 | 760 | | | | | | 722 | |
| 30.4a | (1) | Oak Brand Dairy | 498 | 764 | | | | 725 | | | |
| 30.7b2 | (3) | Freeport (C) | 502 | 764 | 730 | 732 | 730 | 733 | 724 | 728 | -2 |
| 30.8b1 | (2) | Freeport (C) | 415 | 763 | 714 | | 734 | | | 726 | +12 |
| 30.8b2 | (4) | Freeport (C) | 425 | 764 | 730 | 730 | 724 | 724 | 728 | 727 | -3 |
| 30.8c2 | (6) | Freeport (C) | 472 | 764 | 726 | 732 | 732 | 738 | 727 | 728 | +2 |
| 31.2g | (1) | W. T. Rawleigh Co. | 957 | 772 | | | | 737 | | 722 | |
| 32.7h2 | (2) | Modern Plating Co. | 405 | 750 | | | | | | 720 | |
| 28N6E- | | | | | | | | | | | |
| 33.8e2 | (2) | Lena (V) | 998 | 965 | | | | | | 754 | |
| 28N7E- | | | | | | | | | | | |
| 36.1b | (1) | Cedarville (V) | 401 | 860 | | 797 | | | | 794 | |
| 36.3c | (2) | Cedarville (V) | 243 | 845 | | | | | | 781 | |
| 28N8E- | | | | | | | | | | | |
| 36.5h | (1) | Dakota (V) | 516 | 940 | | | | | | 800 | |
| 28N9E- | | | | | | | | | | | |
| 21.5f | (1) | Rock City (V) | 432 | 918 | 820 | 815 | | | | 814 | -6 |
| 29N6E- | | | | | | | | | | | |
| 22.2b | (1) | Winslow (V) | 355 | 780 | 780+ | | 796 | | | 780+ | 0 |
| 29N7E- | | | | | | | | | | | |
| 36.3e | (1) | Orangeville (V) | 320 | 879 | | | | 797 | | 791 | |
| WTS-- | | | | | | | | | | | |
| 21N5E- | | | | | | | | | | | |
| 18.1g | (4) | Morrison (C) | 1769 | 710 | | | 525 | | 590 | | |
| 18.8c2 | (2) | Morrison (C) | 2048 | 623 | | | | | | 468 | |
| 18.8c3 | (3) | Morrison (C) | 1625 | 640 | | 483 | | | 498 | 496 | |
| 21N6E- | | | | | | | | | | | |
| 25.6f | (2) | Armour & Co. | 1077 | 635 | 545 | | | | | | |
| 25.7c | (1) | Armour & Co. | 1686 | 635 | | | | 551 | | | |
| 21N7E- | | | | | | | | | | | |
| 22.1e1 | (1) | Sterling (C)(N.Ill.Water Corp.) | 1434 | 645 | 559 | | 544 | 544 | | 533 | -26 |
| 22.1e2 | (2) | Sterling (C)(N.Ill.Water Corp.) | 1655 | 645 | 573 | | 554 | 540 | | 541 | -32 |
| 22.1e3 | (3) | Sterling (C)(N.Ill.Water Corp.) | 1830 | 645 | 559 | 551 | 548 | 545 | 522 | 537 | -22 |
| 22.1e4 | (4) | Sterling (C)(N.Ill.Water Corp.) | 1630 | 645 | 561 | | 551 | 544 | | 549 | -12 |
| 28.1g | (2) | Russell, Burdsall & Ward | 1500 | 625 | 525 | 520 | | 380 | | 425 | -100 |
| 28.5e | (1) | Northwestern Steel & Wire Co. | 813 | 630 | 590 | | | | 561 | 479 | -111 |
| 28.5g | (E-2) | Northwestern Steel & Wire Co. | 1580 | 625 | | | | | | 475 | |
| 28.5h | (E-1) | Northwestern Steel & Wire Co. | 760 | 630 | | | | | | 500 | |
| 29.1h | (W-1) | Northwestern Steel & Wire Co. | 1636 | 630 | | | | | | 520 | |
| 22N3E- | | | | | | | | | | | |
| 28.7d2 | (2) | Fulton (C) | 1260 | 600 | 484 | | | | | 441 | -43 |
| 28.7d3 | (3) | Fulton (C) | 1943 | 600 | 501 | | | | | 480 | -21 |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WTS-- (Continued) | | | | | | | | | | | |
| 21N5E- | | | | | | | | | | | |
| 18.6f1 | (2) | General Electric Co. | 1101 | 680 | | | | | | 525 | |
| WIL-- | | | | | | | | | | | |
| 32N9E- | | | | | | | | | | | |
| 8.5c | (1) | Braidwood (V) | 1050 | 575 | 315 | | | | | 293 | -22 |
| 8.5d | (2) | Braidwood (V) | 846 | 572 | | 353 | | | | 320 | |
| 32N10E- | | | | | | | | | | | |
| 36.2d | (2) | Kankakee State Boys Camp | 751 | 610 | 401 | | | | | 382 | -19 |
| 33N9E- | | | | | | | | | | | |
| 1.5e1 | (5) | Joliet Army Ammunition Plant | 935 | 570 | 286 | 258 | 255 | 265 | 262 | 253 | -33 |
| 12.1g | (11) | Joliet Army Ammunition Plant | 1644 | 578 | 328 | 307 | | | | | |
| 25.4g | | Cel-Fibe Co. | 708 | 565 | | 316 | 290 | | 285 | 270 | |
| 25.6b2 | (2) | Wilmington (V) | 1566 | 546 | 326 | | 295 | | | 289 | -37 |
| 36.7h | (3) | Wilmington (V) | 1578 | 530 | 330 | | 309 | | | 295 | -35 |
| 33N10E- | | | | | | | | | | | |
| 9.1f | (2) | Joliet Army Ammunition Plant | 1672 | 646 | 336 | 313 | 304 | 302 | 305 | 310 | -26 |
| 9.4h | (1) | Joliet Army Ammunition Plant | 1614 | 641 | 331 | 305 | 301 | 297 | 296 | 296 | -35 |
| 34N9E- | | | | | | | | | | | |
| 10.1h | (2) | Amoco Chemical Corp. | 1405 | 568 | -35 | -52 | | | -72 | | |
| 11.2d | (2) | Stepan Chemical Co. | 1402 | 520 | | | 52 | 32 | | 37 | |
| 11.2e | (1) | Stepan Chemical Co. | 1407 | 525 | 94 | | 53 | 35 | | 35 | -59 |
| 11.7g | (1) | Amoco Chemical Corp. | 1422 | 569 | 49 | 14 | -11 | | | -3 | -52 |
| 21.2d | | Rexall Chemical Co. | 1573 | 545 | 291 | 184 | | | | 294 | -4 |
| 21.8b | | Glidden Durkee | 1555 | 530 | | | | | 320 | 270 | |
| 22.7d | | Mobil Oil Corp. | 1578 | 555 | | | | | 298 | | |
| 25.5a | (8) | Joliet Army Ammunition Plant | 1639 | 606 | 268 | 253 | | 218 | 250 | 228 | -40 |
| 25.5d | (9) | Joliet Army Ammunition Plant | 1602 | 590 | 276 | 241 | 151 | | | | |
| 25.5h | (10) | Joliet Army Ammunition Plant | 1569 | 591 | 268 | 255 | 255 | 243 | 253 | 243 | -25 |
| 34.3a | (3) | Joliet Army Ammunition Plant | 1593 | 528 | | 264 | | 204 | 164 | 204 | |
| 35.5a | (1) | Joliet Army Ammunition Plant | 1597 | 539 | 223 | 227 | | | 210 | 160 | -63 |
| 35.8a1 | (2) | Joliet Army Ammunition Plant | 1612 | 532 | 428 | 421 | 402 | 411 | 228 | | |
| 36.5a | (6) | Joliet Army Ammunition Plant | 1648 | 578 | 342 | 271 | 223 | | 203 | 213 | -129 |
| 36.5e | (7) | Joliet Army Ammunition Plant | 1649 | 601 | 262 | 253 | 276 | 258 | | | |
| 34N10E- | | | | | | | | | | | |
| 31.6a | (12) | Joliet Army Ammunition Plant | 1670 | 625 | 267 | 269 | | 261 | 278 | 251 | -16 |
| 35N9E- | | | | | | | | | | | |
| 3.2a | | Du Page River Farm | 1520 | 587 | | | | | | 159 | |
| 9.3c | (2) | Will County Water Co. | 1499 | 605 | | | 290 | | | 208 | |
| 10.3a1 | (1) | Holiday Inn Motel | 1458 | 570 | 194 | | | | | 150 | -44 |
| 11.1b | (10D) | Joliet (C) | 1572 | 610 | | | | | 100 | | |
| 15.2h | (1) | Howard Johnson Motel | 1460 | 570 | 187 | | 165 | | | 165 | -22 |
| 35N9E- | | | | | | | | | | | |
| 25.1e | (3) | Caterpillar Tractor Co. | 1556 | 547 | 26 | 19 | 6 | | 3 | 7 | -19 |
| 35N10E- | | | | | | | | | | | |
| 2.8b | (4D) | Joliet (C) | 1563 | 558 | -40 | 24 | | | | | |
| 3.4e | (3) | Ill. State Penitentiary | 1518 | 560 | 10 | 34 | | | | -38 | -48 |
| 3.5e | (2) | Ill. State Penitentiary | 1660 | 549 | | | | | -31 | -43 | |
| 4.2h | | Phoenix Manufacturing Co. | 1595 | 553 | 29 | 27 | 14 | | | 31 | +2 |
| 7.4b | (9D) | Joliet (C) | 1671 | 647 | 0 | 0 | | | -24 | -25 | -25 |
| 9.1d | (1D) | Joliet (C) | 1525 | 536 | 26 | 50 | | 44 | -10 | -12 | -38 |
| 11.6g | | E J & E Railroad | 1589 | 560 | 6 | 10 | 8 | -24 | -64 | -50 | -56 |
| 14.5d | (1) | Prairie State Paper Mills | 1639 | 593 | 123 | 1 | -47 | -7 | -55 | -2 | -125 |
| 14.6h1 | (5D) | Joliet (C) | 1609 | 564 | -38 | -16 | | -30 | | -36 | +2 |
| 16.2h | | Joliet (C) (Des Plaines St.) | 1575 | 531 | 84 | 77 | 65 | 53 | 42 | 26 | -58 |
| 16.5c1 | (3D) | Joliet (C) | 1565 | 537 | 47 | -21 | | | | | |
| 19.2b | (4) | Commonwealth Edison Co. | 1525 | 523 | -46 | -58 | -62 | -56 | -72 | -63 | -17 |
| 20.6a | (2) | Commonwealth Edison Co. | 1487 | 536 | -49 | -43 | -68 | -78 | -16 | -64 | -15 |
| 20.7g | (2) | Rockdale (V) | 1586 | 556 | 2 | 20 | -33 | | -24 | -24 | -26 |
| 21.4b | (2) | American Cyanamid Co. | 1612 | 583 | 53 | 72 | 11 | -29 | | 4 | -49 |
| 22.8g | (1) | American Inst. of Laundering | 1608 | 569 | 125 | | 113 | | | 85 | -40 |
| 29.8c | (5) | Blockson Chemical Co. | 1535 | 567 | | | -141 | -191 | | | |
| 30.1c | (4) | Blockson Chemical Co. | 1555 | 583 | | | | -175 | | | |
| 30.1e1 | (1) | Blockson Chemical Co. | 1520 | 548 | -211 | -213 | | -179 | | | |

## Water Levels (Continued)

(Elevations in feet above mean sea level)

| Well number | | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WIL 35N10E- (Continued) | | | | | | | | | | | |
| 30.1e2 | (2) | Blockson Chemical Co. | 1495 | 550 | -190 | | -195 | -177 | -189 | | |
| 30.2h | (3) | Commonwealth Edison Co. | 1525 | 510 | -71 | -55 | -83 | -76 | -83 | -76 | -5 |
| 30.3c | (6) | Blockson Chemical Co. | 1500 | 543 | -98 | | | -187 | | | |
| 30.6e | (2) | Caterpillar Tractor Co. | 1543 | 546 | -19 | -28 | -26 | | -34 | -32 | -13 |
| 30.7f | (1) | Caterpillar Tractor Co. | 1560 | 544 | -46 | -31 | -47 | | | -52 | -6 |
| 35N11E- | | | | | | | | | | | |
| 5.7h1 | (8D) | Joliet (C) | 1660 | 648 | 26 | -27 | | | | | |
| 8.8h1 | (7D) | Joliet (C) | 1701 | 674 | 12 | 10 | | | | -64 | -76 |
| 36N9E- | | | | | | | | | | | |
| 4.4a | (4) | Plainfield (V) | 1443 | 620 | 219 | | | | | 233 | +14 |
| 10.8d | (3) | Plainfield (V) | 1481 | 612 | 216 | 207 | | | 162 | 162 | -54 |
| 36N10E- | | | | | | | | | | | |
| 2.7f | (1) | Commonwealth Edison Co. | 1500 | 587 | 93 | 80 | 75 | 55 | | 40 | -53 |
| 2.8f | (3) | Commonwealth Edison Co. | 1507 | 590 | 103 | 89 | 76 | 56 | 41 | 39 | -64 |
| 2.8h | (2) | Commonwealth Edison Co. | 1536 | 590 | 106 | 89 | 86 | 56 | | 37 | -69 |
| 4.7g | (4) | Romeoville (V) | 1524 | 672 | 122 | | 122 | 122 | 72 | 50 | -72 |
| 16.4d3 | (3) | Lewis College | 1523 | 666 | 108 | 110 | 98 | | | 96 | -12 |
| 21.4a | (6) | Illinois State Penitentiary | 1611 | 642 | 87 | -45 | | -75 | -75 | -3 | -90 |
| 23.2f | (4) | Lockport (C) | 1572 | 650 | 68 | 45 | 25 | 25 | 20 | 15 | -53 |
| 23.5a | (3) | Lockport (C) | 1544 | 662 | 11 | 42 | 17 | 22 | 22 | 22 | +11 |
| 23.6d | (2) | Lockport (C) | 1446 | 589 | 52 | 54 | | | | -13 | -65 |
| 27.6b | | U.S. Army | 812 | 581 | | | | | 26 | 24 | |
| 27.7a | | Metropolitan Sanitary Dist. | 852 | 547 | 97 | | | | 52 | 36 | -61 |
| 28.6f2 | (4) | Ill. State Penitentiary | 1566 | 642 | 62 | 62 | | 32 | 32 | 34 | -28 |
| 28.6h | (3) | Ill. State Penitentiary | 1532 | 645 | 47 | 16 | | 59 | 35 | | |
| 29.2g | (5) | Ill. State Penitentiary | 1665 | 646 | 62 | 71 | | 66 | 41 | -4 | -66 |
| 33.5c | | Chaney School | 909 | 630 | 101 | | | | | 54 | -47 |
| 33.6h | | Nash Bros. | 1558 | 593 | 64 | 67 | 53 | 37 | 29 | 15 | -49 |
| 34.8a | | G.A.F. Corp. | 776 | 551 | 41 | | | | | 37 | -4 |
| 37N10E- | | | | | | | | | | | |
| 25.3f2 | (2) | Lemont Mfg. Co. | 1500 | 580 | 106 | | 94 | | 79 | 82 | -24 |
| 25.7a | (3) | Union Oil Co. (North) | 1501 | 600 | | | | 120 | | 50 | |
| 25.7c | (2) | Union Oil Co. (North) | 1456 | 590 | 102 | | 80 | 40 | | 40 | |
| 33.1h2 | (2) | Romeoville (V) | 1520 | 640 | 133 | | 113 | 103 | 73 | 70 | -63 |
| 35.3c1 | (1) | Union Oil Co. (South) | 1460 | 585 | | | 60 | | | 55 | |
| 35.3c2 | (2) | Union Oil Co. (South) | 1460 | 585 | | | 71 | | | 60 | |
| WIN-- | | | | | | | | | | | |
| 26N11E- | | | | | | | | | | | |
| 9.7g | (3) | Winnebago (V) | 835 | 885 | | | 725 | | | 696 | |
| 9.8c2 | (2) | Winnebago (V) | 810 | 870 | 748 | | | | | 751 | +3 |
| 23.7g | (2) | Dr. Quendt | 425 | 850 | | 802 | | | | | |
| 27N10E- | | | | | | | | | | | |
| 28.8c2 | (1) | Pecatonica (V) | 660 | 760 | | 716 | 713 | 713 | 713 | 731 | |
| 29.1d | (2) | Pecatonica (V) | 750 | 785 | | 731 | 740 | 728 | 728 | 735 | |
| 32.2d | | Northern Illinois Gas Co. | 946 | 825 | | | | | | 703 | |
| 28N10E- | | | | | | | | | | | |
| 7.1g | (1) | Lake Summerset | 277 | 789 | | | | 789(flowing) | | 789(flowing) | |
| 10.8b | (2) | Durand (V) | 385 | 798 | | | | | | 772 | |
| 43N1E- | | | | | | | | | | | |
| 3.2f1 | (1) | Central Ill. Gas & Electric | 354 | 700 | 686 | | | | | 687 | +1 |
| 3.2f2 | (2) | Central Ill. Gas & Electric | 825 | 710 | 652 | | | | | 619 | -33 |
| 44N1E- | | | | | | | | | | | |
| 2.3 | (3) | Rockford (C) | 1127 | 760 | | | | | 676 | 643 | |
| 9.1f | | Winnebago County Home | 435 | 780 | 730 | | | | | 722 | -8 |
| 9.8c | (20) | Rockford (C) | 1200 | 735 | | | | | 643 | 644 | |
| 11.1c | (2) | Atwood Vacuum Machine Co. | 709 | 745 | | 690 | | 690 | 690 | 695 | |
| 11.1d | | Essex Wire Co. | 1150 | 740 | 690 | | | | | 692 | +7 |
| 11.2c2 | (3) | Atwood Vacuum Machine Co. | 710 | 743 | | 688 | | 687 | 687 | 688 | |
| 12.7b | (2) | Ingersoll Milling Machine Co. | 1204 | 745 | 681 | 686 | 686 | | | 683 | +2 |
| 13.6e1 | (Unit 8) | Rockford (C) | 1500 | 724 | 644 | | | | 634 | 584 | -60 |
| 15.3c | | Dean Milk Co. | 1125 | 725 | 692 | 699 | | 705 | 709 | 618 | -74 |
| 17.3d | (Unit 22) | Rockford (C) | 1380 | 760 | | | | | 669 | 686 | |
| 20.7f | (21) | Rockford (C) | 1205 | 820 | 680 | | | | 670 | 672 | -8 |

## Water Levels (Concluded)

(Elevations in feet above mean sea level)

| Well number | Owner | Depth of well (ft) | Surface elevation | Water-level elevations 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | Water level change, 1966-1971 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|
| WIN 44N1E- (Continued) | | | | | | | | | | |
| 21.3b2 | Rockford (C) (J. I. Case Co.) | 426 | 730 | 653 | | | | | 651 | -2 |
| 21.3b4 | Rockford (C) (J. I. Case Co.) | 1200 | 730 | 652 | | | | | 670 | +18 |
| 21.8e(Unit 15) | Rockford (C) | 1355 | 810 | 670 | | | | 645 | 655 | -15 |
| 22.5c2(Group 3) | Rockford (C) | 1600 | 730 | 630 | | | | 637 | 637 | +7 |
| 23.6d2(Group 4) | Rockford (C) | 1300 | 708 | 685 | 684 | 681 | 681 | 688 | 691 | +6 |
| 23.7e1(Unit 1) | Rockford (C) | 1530 | 711 | 691 | | | | 686 | 674 | -17 |
| 27.1e2 (2) | Barber-Coleman | 450 | 705 | 625 | 644 | 639 | 635 | 629 | 628 | +3 |
| 28.5c (18) | Rockford (C) | 1380 | 820 | 673 | | | | 626 | 643 | -30 |
| 32.4a1(Unit 16) | Rockford (C) | 1310 | 840 | 668 | | | | 641 | 670 | +2 |
| 33.8f1 (1) | Mullers Pinehurst Dairy | 482 | 760 | 726 | | | 721 | 735 | 723 | -3 |
| 33.8f2 (2) | Mullers Pinehurst Dairy | 465 | 759 | 727 | | | 722 | 724 | 714 | -13 |
| 34.2b1 (3) | Quaker Oats Co. | 450 | 736 | 671 | 701 | | | | | |
| 34.6h(Unit 4) | Rockford (C) | 1219 | 730 | | | | | | 661 | |
| 35.1a2 (2) | Rockford Products Corp. (Plant #1) | 454 | 730 | 695 | | | | | 702 | |
| 35.5a2 (2) | Rockford Products Corp. (Plant #2) | 1060 | 730 | 697 | | | | | 690 | -7 |
| 36.6d (1) | Greenlee Brothers & Co. | 743 | 735 | | | 650 | 660 | 660 | 660 | |
| 36.7f1(Unit 7) | Rockford (C) | 1503 | 732 | | | | | 648 | 648 | |
| 44N2E- | | | | | | | | | | |
| 3.4c (30) | Rockford (C) | 1325 | 905 | | | | | 685 | 642 | |
| 7.8e1 (2) | Woodward Governor Co. (basement well) | 1227 | 725 | 664 | | | | 667 | 603 | -61 |
| 9.2a (25) | Rockford (C) | 1290 | 878 | 683 | | | | 693 | 631 | -52 |
| 16.2a (27) | Rockford (C) | 1280 | 840 | | | | 645 | | 612 | |
| 17.6g3 (17) | Rockford (C) (Edgebrook #3) | 1195 | 785 | | | | | 675 | 667 | |
| 18.6a(Unit 5) | Rockford (C) | 1312 | 792 | 651 | | | | 638 | 639 | -12 |
| 19.6b1(Unit 9) | Rockford (C) | 1600 | 809 | 689 | | | | 681 | 685 | -4 |
| 20.3e(Unit 13) | Rockford (C) | 1457 | 835 | | | | | 643 | 642 | |
| 21.5g | Guilford's Country Club Estates Sbd. | 557 | 860 | 674 | 715 | | | | | |
| 28.5g (26) | Rockford (C) | 1326 | 835 | | 703 | | | 620 | 620 | |
| 29.3a(Unit 10) | Rockford (C) | 1426 | 865 | | | | | 620 | 639 | |
| 31.7f(Unit 6) | Rockford (C) | 1372 | 790 | | | | | 681 | 691 | |
| 45N2E- | | | | | | | | | | |
| 34.7g (3) | Loves Park (C) | 865 | 840 | | 798 | 815 | | | | |
| 46N1E- | | | | | | | | | | |
| 24.6h4 (4) | Rockton (V) | 429 | 738 | | | | | | 720 | |
| 24.8a (6) | Rockton (V) | 728 | 828 | | | | 728 | | | |
| 46N2E- | | | | | | | | | | |
| 5.7d (3) | Wisconsin Power & Light Co. | 1200 | 745 | 735 | | 735 | | | 735 | 0 |
| 15.5b | Yates American Co. | 301 | 820 | 764 | | | | | 779 | +15 |

Geology Dept.
Reserve Room