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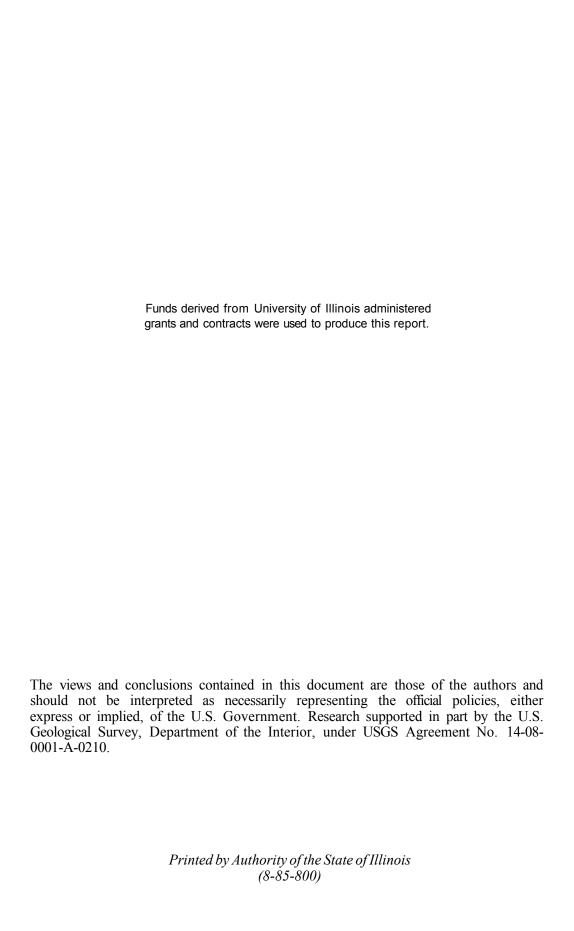
DEPARTMENT OF ENERGY AND NATURAL RESOURCES



Water Withdrawals in Illinois, 1984

by James R. Kirk, Kenneth J. Hlinka, Robert T. Sasman, and Ellis W. Sanderson

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ABSTRACT

This report, part of a cooperative program with the U. S. Geological Survey, summarizes the 1984 data collected for the Illinois Water Inventory Program. The water use data are presented for the following categories: Public Water Supply (1797.1 mgd), Self-Supplied Industry (34,622.9 mgd), Rural Water Use (380.7 mgd), and Fish and Wildlife Management Areas (31.0 mgd). The data are then further categorized by counties, districts, hydrologic units, major aquifer systems, and Standard Metropolitan Statistical Areas.

Illinois water withdrawals during 1984 were 36,831.7 mgd, of which ground water provided 1098.8 mgd and surface water sources supplied 35,732.8 mgd. The largest user of water in Illinois is electric power generation, 92.0 percent of the total withdrawals. Excluding electric power withdrawals, 1984 ground-water use was 1091.0 mgd, and surface water use was 1851.8 mgd.

INTRODUCTION

Illinois has been considered a water excess state. The state, in a sense, is surrounded by fresh water with the Mississippi River on its western border, the Ohio and Wabash Rivers to the south and east, and Lake Michigan on the northeast. Within the interior the large tributaries to these major water systems are the Illinois, Kaskaskia, Rock, Sangamon, Big Muddy, Embarras, and Kankakee Rivers. They are the principal surface water resources in the state. In addition, the state has abundant ground-water resources; but these water resources are finite and are not distributed uniformly.

It is necessary to document current water uses to permit planning and proper management of Illinois' existing water resources. To this end, the Illinois State Water Survey, in cooperation with the U.S. Geological Survey, has expanded water use inventory activities to include all areas of the state and all water sources. This data collection system is intended to document the state's total water use; assist in coordinating the management of ground-water resources in

the northeastern part of the state, where a major ground-water resource system is currently being "mined" (withdrawn faster than recharged); expedite the exchange of water use information to the benefit of other state agencies; complement resource research and studies with the capability to rapidly aggregate various regional water use patterns; and facilitate planning the most effective use of Illinois water resources for the economic and social well-being of the people of Illinois and the rest of the nation.

This report is the fourth summary of water with-drawals throughout Illinois; the other reports were Circulars 140, 152, and 161. 1,2,3 It is part of a continuing water use inventory program that will not only show changes in quantities of water used, but will also indicate trends in use and provide the basic data required for establishing water budgets, developing water use plans, and evaluating hydrologic unit and aquifer systems.

Previous Studies

Since the early 1940s, the Illinois State Water Survey has become increasingly involved in evaluating the use of the water resources of Illinois. Most of the previous reports on water use have emphasized the regions where water resources are extensively developed or have surveyed withdrawal by a major user category. Appendix A lists these reports.

Present Study

This report presents information compiled from the Illinois Water Inventory Program. It summarizes water withdrawals by major use categories from ground-water and surface water sources in Illinois during 1984 and compares selected data from previous publications with the 1984 data.

Information on the quantity of water withdrawn for use in Illinois was obtained from many sources during the inventory. The data are presented for the following categories: Public Water Supply; Self-Supplied Industry—thermoelectric and hydroelectric power generation, manufacturing, and mineral extraction; Rural Use—domestic, livestock, and irrigation; and Fish and Wildlife Management areas. The data are then further categorized by counties, districts, hydrologic units, major aquifer systems, and Standard

Metropolitan Statistical Areas (SMSA). For the SMSA's, data are also reported by congressional township. Information concerning drainage district transfers and non-withdrawal uses such as navigation and water-based recreation was not collected.

Acknowledgments

This report was prepared under the general direction of Stanley A. Changnon, Jr., Chief of the Illinois State Water Survey; Larry G. Toler, Illinois District Chief of the U.S. Geological Survey; James P. Gibb, Head of the Ground Water Section, State Water Survey; and Tim Lazaro, Hydrologist, U.S. Geological Survey. Special thanks are given to Steve Wilson and Mark Hodson, students at the University of Illinois, and R. Scott Ludwigs of the Northern Regional Field Office, State Water Survey, who helped survey public water supplies and self-supplied industry.

Acknowledgment is also made to the numerous individuals and organizations who have generously contributed information incorporated into this report. A special expression of gratitude is extended to the staff of the public and industrial water supply systems for reporting their annual pumpage in response to a mail questionnaire. Mrs. J. L. Ivens edited the report, and John W. Brother, Jr., supervised preparation of the illustrations.

WATER WITHDRAWALS

Terminology

When the term "water use" appears in this report, withdrawal use (the amount of water withdrawn from its source) is implied. This is equivalent to "intake" or "water requirement" as used in industry and agriculture, respectively. The principal requisite for withdrawal use is that water must be taken from a ground-water or surface water source and conveyed to the place of use. If the water is used more than once by recycling, it will do the work of a greater quantity of water; the amount of this greater quantity, which is commonly called the "gross water use," is not evaluated in this report. If, however, the water is returned to a stream, lake, aquifer, or other source and then withdrawn anew, the summation of successive withdrawals gives the "total or cumulative withdrawal" use.

Illinois defines "public water supplies" as systems or wells that furnish water for drinking or general domestic use in incorporated municipalities, and unincorporated communities where 15 or more separate lots or properties, or 25 persons, are being served, or are intended to be served, at least 60 days per year. Public water supplies serve domestic, commercial, and industrial users.

If a public supply is either not available or not used, the water is "self-supplied." Individual families and small communities not served by a public water supply system are categorized as "rural" with regard to water use. Industries and commercial establishments using their own water source facilities are categorized as "self-supplied industry."

Water used to generate hydroelectric power is also included as a withdrawal use in this report because of its diversion through power plants. The term "nonwithdrawal uses" encompasses all uses taking place within the river channel itself. Non-withdrawal uses are not included in this report.

Water withdrawal data are reported as the average daily quantities, usually derived from the annual use. The use is expressed in million gallons per day. Common equivalents are given in table 1.

Table 1. Hydraulic Equivalents (Equivalent values, to three significant figures, are on the same horizontal line.)

| Million gallons per day | Billion gallons per dav | Thousand acre-feet per vear | Thousand cubic feet per second | Thousand gallons per minute | Million cubic meters per day |
|-------------------------------|-------------------------------|-----------------------------------|--|--------------------------------------|---------------------------------------|
| 1.0 | 0.001 | 1.12 | 0.00155 | 0.694 | 0.00379 |
| 1000 | 1.0 | 1120 | 1.55 | 694 | 3.79 |
| 0.893 | 0.000893 | 1.0 | 0.00138 | 0.620 | 0.00338 |
| 646 | 0.646 | 724 | 1.0 | 449 | 2,45 |
| 1.44 | 0.00144 | 1.16 | 0.00223 | 1.0 | 0.00545 |
| 264 | 0.264 | 296 | 0.409 | 184 | 1.0 |

Geographic Areas

When the term "district" is used in this report, it is synonymous with Climatblogical Divisions of the National Oceanic and Atmospheric Administration and the Crop Reporting Districts (figure 1) of the Illinois Cooperative Crop Reporting Service. These districts represent divisions with similar climate, soils, and types of farming.

"Major geohydrologic system" is used to identify four groups of ground-water sources. The first group includes all sand and gravel aquifers contained within the alluvial and glacial drift deposits that blanket nearly all of Illinois. The other three groups the — Mississippian-Pennsylvanian, Silurian-Devonian, and Cambrian-Ordovician — consist of sandstone and creviced limestone aquifers within the underlying bedrock. These aquifers have been grouped according to the geologic series in which they occur.

"Hydrologic unit" in the text refers to one of the 12 Hydrologic Accounting Units of the U.S. Geological Survey's Hydrologic Unit Map of 1974 for Illinois. This map, prepared by the USGS in cooperation with the U.S. Water Resources Council, delineates the boundaries of major U.S. river basins to help standardize the collection and dissemination of water data. A distinct eight-digit code has been assigned to each river basin.

Standard Metropolitan Statistical Areas are integrated economic and social units with a large volume of daily travel and communication between the central city having a population of 50,000 or more and outlying parts of the area. Each area

consists of one or more whole counties which, though primarily residential in character, contribute significantly to the labor force of the industrial counties and are socially and economically integrated with the central city (figure 1). These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the Office of Management and Budget for general purpose use throughout the Federal government in presenting economic and social data.

Public Water Supply Use

The total water withdrawal in 1984 for public water supply systems was 1797.0 mgd (see table 9 in Appendix B), a 3.3 percent increase from 1982. Surface water furnished 1322.2 mgd while ground water supplied 474.8 mgd.

Public water supplies furnish 88.7 percent of the state's population (11.554 million) with potable water, about 10.251 million people. Surface water supplies about 6.122 million people, ground water supplies about 3.702 million people and combined source water supplies about .427 million people. This leaves about 1.303 million people, about 11.3 percent, to furnish their own supply of potable water.

Public water supply withdrawals were compiled from a mail survey of all the public water supplies listed by the Illinois Environmental Protection Agency Division of Public Water Supplies. Those public water supplies that did not respond to mail and telephone follow-up (< 7 percent) were estimated using the latest data available.

Water use data were obtained for over 1900 public water systems. The largest system, in terms of population served, is the Chicago Department of Water, serving more than 4.5 million people. The Chicago system pumped 980.5 mgd from Lake Michigan in 1984, a 3.2 percent increase from 1982. The largest area served by a public water system is the Rend Lake Conservancy District. Reaching into parts of nine counties (Franklin, Jackson, Jefferson, Hamilton, Marion, Perry, Saline, Washington, and Williamson) the Conservancy District serves an area of more than 1800 square miles and pumped 14.5 mgd from Rend Lake in 1984, a 9.0 percent increase from 1982.

Self-Supplied Industry Water Use

Nearly all the self-supplied industry in Illinois can be divided into our major classifications: thermoelectric power generation, hydroelectric power generation, manufacturing, and mineral extraction. The total self-supplied industrial water withdrawals were 34,622.9 mgd (see table 14) in 1984 (including the

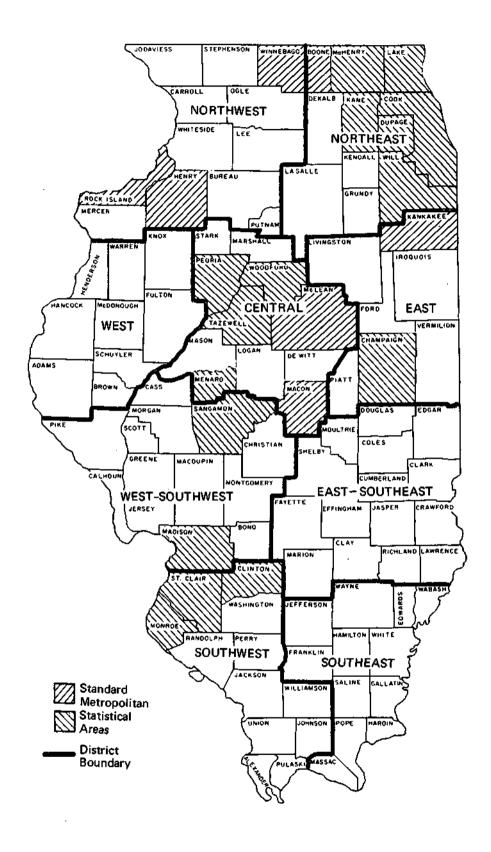


Figure 1. District and SMSA boundaries

21,494.9 mgd diverted through hydroelectric turbines). Surface water supplied 34,387.8 mgd; ground-water sources provided 235.1 mgd. Excluding water used for thermoelectric and hydroelectric generation, water used by self-supplied industry was 739.1 mgd (see table 13).

Over 600 self-supplied industries were identified in 1979 from a mail canvass of more than 4700 industries in the state. More than 900 self-supplied industries were canvassed for 1984 water withdrawals.

Follow-up was by a second mailing, and then by telephone. Those industrial withdrawals not accounted for either by questionnaire return or telephone contact (< 7 percent) were estimated using the latest data available.

The electric power generation industry is the largest user of water in the state, accounting for 92.0 percent of the total water use and 97.8 percent of the self-supplied industry water use. This industry withdraws about 33,888.8 million gallons of water a day (see table 10), but more than 99 percent of this water is returned to its source with only an increase in temperature.

Thermoelectric Power Generation

The water withdrawn for steam electric power generation was 12,394.0 mgd in 1984, shown in table 2. There are 33 thermoelectric (steam turbine) stations in the state; the majority of these stations are coal fired. Four stations have a total of eight nuclear reactors providing heat energy for the boilers. By 1987, five more nuclear reactors are scheduled to be producing electricity.

Table 2. Historic Water Use for Electric Power Generation

| | Thermoelectric | Hydroelectric |
|-----------|----------------|---------------|
| | (mgd) | (mgd) |
| 1950-1951 | 5,927 | 20,694 |
| 1960 | 9,051.3 | 21,155 |
| 1964-1965 | 9,120.3 | |
| 1970 | 8,744.9 | |
| 1978 | 19,918.7 | 22,593.0 |
| 1980 | 14,060.6 | 25,570.1 |
| 1981 | 10,088 | 25,975 |
| 1982 | 8,552.7 | 21,894.4 |
| 1983 | 10,979.6 | 22,380,6 |
| 1984 | 12,394.0 | 21,494.9 |

Hydroelectric Power Generation

In 1984, 21,494.9 mgd of surface water was diverted through the six low head hydroelectric stations in Illinois, including one-half of the hydroelectric diversion on the Mississippi River along the border with Iowa (table 3). The Keokuk station uses 80.4 percent of this water or about 40 percent of the

Mississippi River flow.

Table 3. Hydroelectric Plants in Illinois, 1984

| Plant name | Water source | Normal head (H) | Installed capacity (kw) | Average flow through turbines (mgd) |
|---------------|-------------------|-----------------------|-------------------------------|---|
| Lockport | Des Plaines River | 38 | 19,900 | 1,792 |
| Marseilles | Illinois River | 15 | 2,024 | 173 |
| Dayton | Fox River | 32 | 3,680 | 631 |
| Rockton | Rock River | 11 | 1,100 | 735 |
| Moline | Mississippi River | 12 | 3,600 | 879* |
| Keokuk | Mississippi River | 32 | 121,600 | 17,285 |
| Total Averag | ge Flow | | | 21,495 |

*One-half.flow credited to Illinois

Manufacturing

Self-supplied withdrawal by manufacturing during 1984 totaled 536.5 mgd. Surface water supplied 384.7 mgd while ground water supplied 151.8 mgd (see table 11). Manufacturing is defined as those industries listed under "Division D, Manufacturing" in the Standard Industrial Classification Manual-1972.8

The water withdrawal data of the 20 major manufacturing groups, according to the Standard Industrial Classification (SIC) system, were compiled and are presented in table 4. The range of water withdrawals was large, with the primary metals industries surpassing all others. Four self-supplied, major industries groups withdraw 79.5 percent of the total. They are the primary metals industries (253.5 mgd), chemical and allied industries (68.3 mgd), food and kindred products (56.4 mgd), and petroleum and coal products (48.5 mgd).

The three-digit SIC group number was used in examining the water withdrawal data for specific self-supplied manufacturers. On the basis of selecting only those specific groups which withdraw water at a rate of more than 5.0 mgd, 20 self-supplied specific groups were selected and are given in table 5. These 20 specific manufacturing groups account for about 90.2 percent of the self-supplied manufacturing withdrawal. Ground water makes up 21.1 percent of the withdrawal, 113.2 mgd, while surface water makes up the other 69.1 percent, 370.8 mgd.

Mineral Extraction

Water withdrawals by the mineral extraction industries during 1984 totaled 112.0 mgd. Surface water supplied 60.1 mgd while ground water supplied 51.9 mgd (see table 12). Oil field brine made up 38.1 mgd of this ground water. Much of this brine is injected into the oil-producing formations in water-

Table 4. Water Withdrawals by Self-Supplied Industry, Manufacturing, by Major SIC Group, 1984

| Major SIC | | Ground- | Vithdrawals (mg | d) |
|--------------|----------------------------------|---------|------------------|-------|
| group | Manufacturing groups | water | Surface water | Total |
| 20 | Food and kindred products | 32.8 | 23.6 | 56.4 |
| 21 | Tabacco manufacturers | 0 | 0 | 0 |
| 22 | Textile and mill products | .8 | 0 | .8 |
| 23 | Apparel and fabric products | <.1 | 0 | <.i |
| 24 | Lumber and wood products | .1 | 0 | .1 |
| 25 | Furniture and fixtures | .2 | 15.4 | 15.6 |
| 26 | Paper and allied products | 8.3 | 8.8 | 17.1 |
| 27 | Printing, publishing, | | | |
| | allied industries | .4 | .9 | 1.3 |
| 28 | Chemical and allied industries | 33.4 | 34.9 | 68.3 |
| 29 | Petroleum and coal products | 21.7 | 26.8 | 48.5 |
| 30 | Rubber and plastic products | 8.6 | 0 | 8.6 |
| 31 | Leather and leather products | 0 | 0 | 0 |
| 32 | Stone, clay, and glass | 5.2 | 16.9 | 22.1 |
| 33 | Primary metals industries | 20.9 | 232.6 | 253.5 |
| 34 | Fabricated metal products | 3.4 | 7.0 | 10.4 |
| 35 | Machinery (except electrical) | 4.8 | 17.5 | 22.3 |
| 36 | Electrical and electronics | 3.5 | .4 | 3.9 |
| 37 | Transportation equipment | .2 | 0 | .2 |
| 38 | Instruments and related products | 7.4 | 0 | 7.4 |
| 39 | Misc. manufacturing industries | 0 | 0 | 0 |
| | Totals | 151.7 | 384.7 | 536.4 |

Table 5. Water Withdrawals by Self-Supplied Industry, Manufacturing, by Specific SIC Group, 1984

| Specific | | Wi | hdrawals (mg | d) |
|----------|--------------------------------------|-------------|--------------|-------|
| SIC | | Ground- | Surface | |
| group | Manufacturing groups | water | water | Total |
| 204 | Grain mill products | 7 .1 | 20.1 | 27.2 |
| 207 | Fats and oils | 8.1 | 2.0 | 10.1 |
| 208 | Beverages | 9.0 | 1.4 | 10.4 |
| 251 | Household furniture | 0 | 15.4 | 15.4 |
| 262 | Paper mills | .9 | 5.8 | 6.7 |
| 281 | Industrial inorganic chemicals | 12,1 | 13.1 | 25.2 |
| 283 | Drugs | 3.7 | 2,4 | 6.1 |
| 286 | Industrial organic chemicals | 3,4 | 7.3 | 10.7 |
| 287 | Agricultural chemicals | 4,2 | 11.0 | 15.2 |
| 289 | Misc. chemical products | 7.2 | 1.1 | 8.3 |
| 291 | Petroleum refining | 21.4 | 19.7 | 41.1 |
| 299 | Misc. oil and coal products | ,1 | 7.1 | 7.2 |
| 307 | Plastic products | 6.0 | 0 | 6.0 |
| 321 | Flat glass | .4 | 12.4 | 12.8 |
| 331 | Steel rolling and finishing | 17.5 | 210.5 | 228.0 |
| 332 | Iron and steel foundries | 2,4 | 22.1 | 24.5 |
| 348 | Ordnance and accessories, except | | | |
| | vehicles and guided missiles | 1.1 | 4.0 | 5.1 |
| 352 | Farm and garden machinery | .2 | 10.5 | 10.7 |
| 353 | Construction, mining, and materials | | | |
| | handling machinery and equipment | 1.4 | 4.8 | 6.2 |
| 386 | Photographic equipment and supplies | 7.0 | 0 | 7.0 |
| | · Hotograpine equipment and supplies | 7.0 | V | 7.0 |
| | Totals | 113.2 | 370,8 | 484.0 |

flooding operations. Most of the surface water is recirculated through its source many times while being used in product preparation or washing. This practice leads to large cumulative withdrawals for the mineral extraction industries.

The major mineral industries in Illinois are fluorspar mining, quarrying, sand and gravel operations, oil production, and coal mining. Their rates of withdrawal are shown in table 6.

Table 6. Water Withdrawals by Major Mineral Extraction Industries, 1984

| Mineral | Ground water (mgd) | Surface water (mgd) | Total (mgd) |
|---------------|-----------------------|---------------------|----------------|
| Fluorspar | 1.1 | <.05 | 1.1 |
| Quarrying | .1 | 1.5 | 1.6 |
| Sand & Gravel | .7 | 15.4 | 16.1 |
| Coal | 2.4 | 34.4 | 36.8 |
| Oil | 43.8 | 1.7 | 45.5 * |

^{*}Including 38.1 mgd brine

Rural Water Use

For the purpose of this report, rural water use (withdrawals) is divided into three classifications: domestic, livestock, and irrigation. While the amount of water withdrawn for rural uses is small (about 1.0 percent) when compared with the other withdrawal uses in Illinois, rural withdrawals have increased from an estimated 81 mgd in 1970¹⁰, 101 mgd in 1975¹¹, and 280.5 mgd in 1980² to an estimated 380.7 mgd during 1984 (see table 15). Most of this increase is due to the changes in agricultural irrigation.

There has been no attempt during this study to break down the rural water use estimate into ground-water and surface water sources. Because of the small amount of rural use compared with other withdrawal categories, and the knowledge that most of these withdrawals are from ground water, rural water use is reported as ground-water withdrawals in table 17 and is not shown in table 18.

Domestic

Rural domestic use for 1984 was estimated to be 122.2 mgd. The rural domestic use was computed by multiplying the population that is not served by public water supplies in each county by an estimated rural district per capita water use. This rural per capita water use was derived by averaging the per capita water use of all public water supply systems located outside SMSA's but which serve 800 or fewer persons and two or less commercial connections. The derived rural domestic per capita use ranged from

68.8 gallons per day (gpd) in the West District to 91.6 in the Northeast District (figure 2).

Livestock

Water withdrawals for livestock use in 1984 were estimated to be 58.5 mgd. The water use estimates for livestock are based on a fixed amount of water use per head for each type of animal. County livestock populations for 1984 were provided by the annual Illinois agricultural census.⁴ Daily consumption rates (table 7) provided the basis for these calculations.

Table 7. Livestock Water Requirements

| Livestock | Water use (gpd) |
|---------------------|-----------------|
| Milk cow | 35 |
| Horse, mule, cattle | 12 |
| Hog | 4 |
| Sheep | 2 |
| Chicken | 0.06 |
| Turkey | 0.12 |

From references 12, 13, and 14

Irrigation

Withdrawals for irrigation during 1984 were estimated to be 200.1 mgd on an annual basis. The increase from the estimated 96.8 mgd in 1980 reflect the changes in acres irrigated and rainfall. Most of this water is applied during the months of June, July, and August. The water use estimates for irrigation are based on the acreage listed in the 1982 Census of Agriculture. This was updated with the help of the U of I Cooperative Extension Service and the State Water Survey Northern Regional Office. Estimates of water withdrawals for irrigation were based on weekly regional rainfall deficits and the number of acres irrigated.

There has been a substantial increase in the acreage of agricultural lands irrigated since 1950, from 9000 acres¹⁶ to an estimated 150,000 acres in 1980² and 208,000 acres in 1984. Total acreage (including golf courses, cemeteries, etc.) under irrigation was estimated to be 245,700 acres in 1984.

Fish and Wildlife Management Areas Water Use

The Illinois Department of Conservation, U.S. Fish and Wildlife Service, and the U.S. Forest Service reported water withdrawals within their management areas to be 31.0 mgd in 1984. Most of the water was used to flood portions of water fowl areas during the fall migration. Surface water made up 22.8 mgd of the withdrawals, with ground water providing the other 8.2 mgd (see tables 17 and 18).

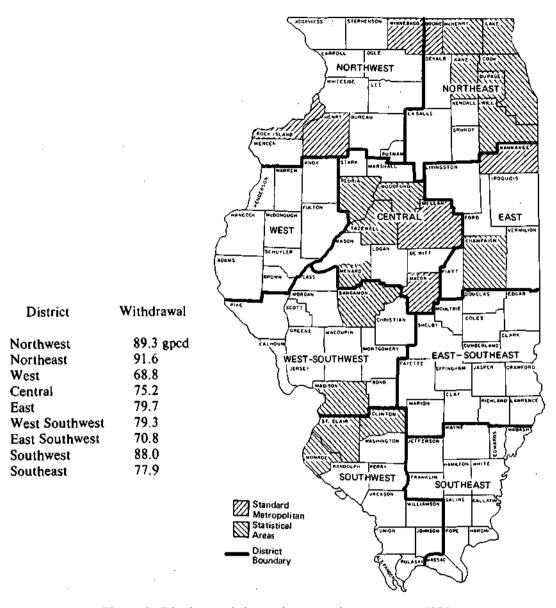


Figure 2. District rural domestic per capita water use, 1984

Hydrologic Basin Surface Water Use

For the purpose of providing a standard framework for detailed water and related land-resources planning, the state has been divided into 12 major hydrologic units by the U.S. Geological Survey. Generally, these units are concomitant with the watershed boundaries for major river systems in Illinois (figures 3 and 4). Total surface water (including lakes and ponds) withdrawals within the units (figure 4) ranged from 0.0 mgd in the Mississippi River drainage above Lock and Dam 13 (Unit 070600) to 18,194.9 mgd in the Mississippi River drainage basin upstream from the mouth of the Des Moines River to Lock and Dam 13 (Unit 070801).

Major Geohydrologic System Water Use

Withdrawals from ground water during 1984 were estimated to be 1098.8 mgd. For this report, ground-water use except rural domestic and livestock has been broken down into four major geohydrologic systems. Withdrawals in 1984 from the systems were: Sand and Gravel, 475.2 mgd; Mississippian-Pennsylvanian, 43.7 mgd; Silurian-Devonian, 149.4 mgd; and Cambrian-Ordovician, 259.3 mgd (table 19). Major geohydrologic system data are also reported by township for counties within SMSA's (table 20).

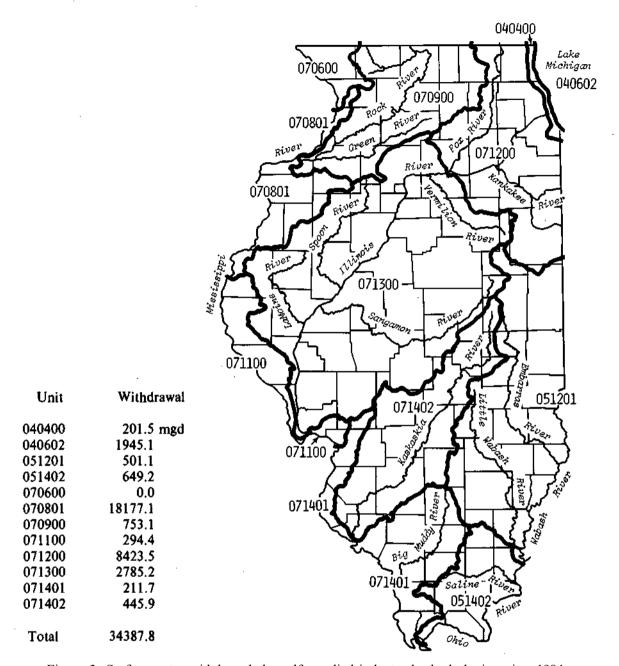


Figure 3. Surface water withdrawals by self-supplied industry by hydrologic units, 1984

SUMMARY OF ILLINOIS WATER USE

Total water withdrawals in Illinois during 1984 were 36,831.7 mgd (see table 16). Surface water accounted for 35,732.8 mgd and ground water supplied 1098.8 mgd (see tables 17 and 18). Excluding electric power withdrawals, 1984 ground-water use was 1091.0 mgd, and surface water use was 1851.8 mgd. The water withdrawals by each use category are given in table 8.

Standard Metropolitan Statistical Areas account for 11,658.7 mgd, 31.7 percent, of the total water use in the state. The SMSA's also have 9908.9 mgd, 28.6 percent, of the state's self-supplied industrial withdrawals (see table 21). Excluding the electric power industry withdrawals, SMSA's account for 2275.9 mgd, 77.2 percent, of the water use in the state (see table 22).

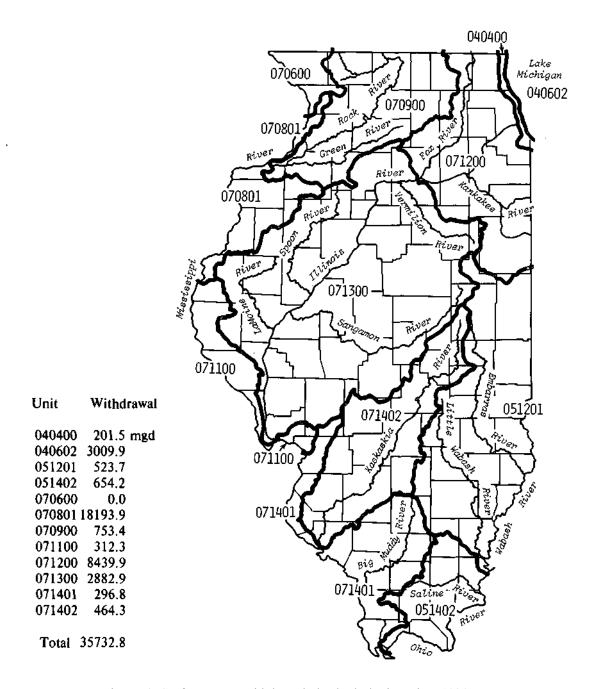


Figure 4. Surface water withdrawals by hydrologic units, 1984

Table 8. Summary of Total Water Withdrawals, 1984

| Category | Ground water | Surface water | Total |
|------------------------|--------------|---------------|---------|
| Public Systems | 474.8 | 1322.2 | 1797.1 |
| Self-supplied Industry | 235.1 | 34387.8 | 34622.9 |
| Rural | 380.7* | • | 380.7 |
| Fish and Wildlife | 8.2 | 22.8 | 31.0 |
| Total *See page 7 | 1098.8 | 35732.8 | 36831.7 |

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APPENDIX A

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APPENDIX B

Table 9. Public Water Systems Withdrawals, 1984

| District | Ground Water | Surface water | Total |
|-----------------|--------------|---------------|----------|
| County | (mgd) | (mgd) | (mgd) |
| Northwest | | • | |
| 006 Bureau | 3.362 | 0 | 3.362 |
| 008 Carroll | 1.477 | 0 | 1.477 |
| 037 Henry | 3,808 | 0 . | 3.808 |
| 043 Jo Daviess | 1.743 | 0 | 1.743 |
| 052 Lee | 4,404 | 0 | 4.404 |
| .066 Mercer | .904 | 0 | .904 |
| 071 Ogle | 5.153 | 0 | 5.153 |
| 078 Putnam | .392 | 0 | .392 |
| 081 Rock Island | 2.806 | 17.221 | 20.027 |
| 089 Stephenson | 5.722 | 0 | 5.722 |
| 098 Whiteside | 4.662 | 0 | 4.662 |
| 101 Winnebago | 33.791 | 0 | 33.791 |
| District total | 68.224 | 17.221 | 85,445 |
| Northeast | | | |
| 004 Boone | 3.785 | 0 | 3.785 |
| 016 Cook | 84.570 | 1029.304 | 1113,874 |
| 019 DeKalb | 7.230 | 0 | 7.230 |
| 022 DuPage | 78.885 | 0 | 78.885 |
| 032 Grundy | 2.247 | 0 | 2.247 |
| 045 Kane | 27.891 | 5.438 | 33.329 |
| 047 Kendall | 1.824 | 0 | 1.824 |
| 049 Lake | 14.375 | 35.475 | 49.850 |
| 050 LaSalle | 10.398 | 0 | 10.398 |
| 056 McHenry | 11.751 | 0 | 11.751 |
| 099 Will | 30.549 | 0 | 30.549 |
| District total | 273.505 | 1070.217 | 1343,722 |
| West | | | |
| 001 Adams | 1.521 | 6.596 | 8.117 |
| 005 Brown | .062 | 0 | .062 |
| 029 Fulton | 1.017 | 1.437 | 2.454 |
| 034 Hancock | .185 | .985 | 1.170 |
| 036 Henderson | 6.955 | 0 | 6.955 |
| 048 Knox | 1.322 | 0 | 1.322 |
| 055 McDonough | .827 | 2.517 | 3.343 |
| 085 Schuyler | .452 | 0 | .452 |
| 094 Warren | 2.623 | 0 | 2.623 |
| District total | 14.965 | 11,535 | 26,500 |
| Central | | | |
| 020 DeWitt | 1.519 | 0 | 1.519 |
| 054 Logan | 3.339 | 0 | 3.339 |
| 057 McLean | 5.034 | 6.964 | 11.998 |
| 058 Macon | 1.187 | 26.996 | 28.183 |
| 062 Marshall | 1.268 | 0 | 1.268 |
| 063 Mason | 1.044 | 0 | 1.044 |
| 065 Menard | .756 | 0 | .756 |
| 072 Peoria | 15,761 | 6.656 | 22.417 |
| 088 Stack | .434 | 0 | .434 |
| 090 Tazewell | 13.321 | .526 | 13.847 |
| 102 Woodford | 1.549 | 1.712 | 3.261 |
| District total | 45.212 | 42,855 | 88,067 |
| East | | _ | 10.551 |
| 010 Champaign | 19.584 | 0 | 19.584 |
| 027 Ford | 1.496 | 0 | 1.496 |
| 038 Iroquois | 2.215 | 0 | 2.215 |
| 046 Kankakee | 1.996 | 10.380 | 12.375 |
| 053 Livingston | 1.616 | 4.814 | 6.430 |
| 074 Piatt | 2.155 | 0 | 2.155 |
| 092 Vermilion | 1.362 | 8.502 | 9.864 |
| District total | 30.422 | 23.695 | . 54.118 |

Table 9. (Concluded)

| District County | Ground Water (mgd) | Surface water (mgd) | Total (mgd) |
|-----------------------------|-----------------------|------------------------|----------------|
| · | (mgu) | Trigger/ | 111,000 |
| W. Southwest | .061 | .774 | .835 |
| 003 Bond 007 Calhoun | .345 | 0,774 | .345 |
| 009 Cass | 1.455 | .269 | 1.724 |
| 011 Christian | 1.114 | 2.156 | 3.270 |
| 031 Greene | .390 | .316 | .706 |
| 042 Jersey | 1.031 | 0 | 1.031 |
| 059 Macoupin | .017 | 3,733 | 3,751 |
| 060 Madison | 11.685 | 46.799 | 58,484 |
| 068 Montgomery | .513 | 2.063 | 2,576 |
| 069 Morgan | .075 | .340 | .415 |
| 075 Pike | .755 | .460 | , 1.216 |
| 084 Sangamon | 2.283 | 19.804 | 22.087 |
| 086 Scott | 4.696 | 0 | 4.696 |
| District total | 24.421 | 76.715 | 101,136 |
| E. Southeast | | | |
| 012 Clark | 1.238 | 0 | 1.238 |
| 013 Clay | 0 | .853 | .853 |
| 015 Coles | .360 | 5.952 | 6.312 |
| 017 Crawford | 2.377 | 0 | 2.377 |
| 018 Cumberland | .269 | 0 | .269 |
| 021 Douglas | .993 | 0 | .993 |
| 023 Edgar | .402 | 1.434 | 1.836 |
| 025 Effingham | .229 | 1,784 | 2.013 |
| 026 Fayette | .099 | 1.181 | 1.280 |
| 040 Jasper | .405 | 0 | .405 |
| 051 Lawrence | 1.208 | 0 | 1.208 |
| 061 Marion | .026 | 5,218 | 5.244 |
| 070 Moultrie | .941 | 0 | .941 |
| 080 Richland | .103 | 1.299 | 1.402 |
| 087 Shelby | 1.102 | 1.251 | 2.353 |
| District total | 9,752 | 18,973 | 28, 725 |
| Southwest | | | |
| 002 Alexander | .360 | 1.252 | 1.611 |
| 014 Clinton | .226 | 1.235 | 1.460 |
| 039 Jackson | .103 | 8.662 | 8.764 |
| 044 Johnson | .025 | .413 | .438 |
| 067 Monroe | .104 | .417 .597 | ,521 ,648 |
| 073 Perry | .051 | 0 | .706 |
| 077 Pulaski | .706 .843 | 3,086 | 3,929 |
| 079 Randolph | .196 | 21.554 | 21.750 |
| 082 St. Clair | 1.304 | ,149 | 1.453 |
| 091 Union 095 Washington | .108 | .514 | .622 |
| 100 Williamson | 0 | 2.385 | 2.385 |
| 100 Wijilanişon | | | |
| District total | 4.027 | 40.261 | 44,288 |
| Southeast | | | • |
| 024 Edwards | .025 | .108 | .133 |
| 028 Franklin | .010 | 14.859 | 14.869 |
| 030 Gallatin | .53,7 | .041 | .578 |
| 033 Hamilton | .003 | 0 | .003 |
| 035 Hardin | .085 | .176 | .261 |
| 041 Jefferson | 0 | .405 | .405 |
| 064 Massac | 1.436 | 0 | 1.436 |
| 076 Pope | 0 . | .061 | .061 |
| 083 Saline | 0 762 | 2.593 | 2,593 |
| 093 Wabash | .762 | 1.336 | 2.098 |
| 096 Wayne | .189 | I.184 | 1,373 |
| 097 White | 1.260 | 0 | 1.260 |
| District total | 4,308 | 20.763 | 25,071 |
| State total | 474.835 | 1322.236 | 1797.071 |

Table 10. Self Supplied Industry, Electrical Power Generation Water Withdrawals, Reported 1984 (SIC 4911)

| District | Thermo | włastzie | Hydroelectric | Total |
|-----------------|--------------|---------------|---------------|-----------|
| County | Ground Water | Surface water | Surface water | 1 171(7) |
| | (mgd) | (mgd) | (mgd) | (mgd) |
| Northwest | | | | |
| 006 Bureau | 0 | 0 | 0 | 0 |
| 008 Carroll | Ō | Ō | Ò | Ö |
| 037 Henry | ŏ | ŏ | ŏ | ŏ |
| 043 Jo Daviess | ŏ | ŏ | ő | ŏ |
| 052 Lee | ŏ | ŏ | ŏ | ŏ |
| 066 Mercer | ŏ | ő | ŏ | 0 |
| 071 Ogle | ĭ.433 | 10.411 | ő | 10.844 |
| 078 Putnam | .101 | | - | |
| 081 Rock Island | | 175.444 | 0 | 175,545 |
| | .164 | 1.371 | 878.932 | 880.467 |
| 089 Stephenson | ,.001 | 0 | 0 | .001 |
| 098 Whiteside | 0 | 0 | 0 | .0 |
| 101 Winnebago | 0 | 0 | 734.795 | 734,795 |
| District total | .699 | 187,226 | 1613.726 | 1801,651 |
| Northeast | | | | |
| 004 Boone | 0 | 0 | 0 | 0 |
| 016 Cook | < .001 | 650.528 | ŏ | 650,528 |
| 019 DeKalb | Ò | 0 | ŏ | 0 |
| 022 DuPage | .003 | 0 | ŏ | |
| 032 Grundy | .978 | 1902.466 | • | .003 |
| | | | 0 | 1903.443 |
| 045 Kane | 0 | 0 | 0 | 0 |
| 047 Kendall | 0 | 0 | 0 | 0 |
| 049 Lake | .001 | 1939.324 | 0 | 1939,325 |
| 050 LaSalle | .054 | 1405.479 | 804.547 | 2210.081 |
| 056 McHenry | 0 | 0 | 0 | 0 |
| 099 Will | 1.411 | 1739,703 | 1791.781 | 3532.895 |
| District total | 2.448 | 7637.500 | 2596.328 | 10236.276 |
| West | | | | |
| 001 Adams | 0 | 0 | 0 | 0 |
| 005 Brown | ŏ | ő | 0 | |
| | | | • | 0 |
| 029 Fulton | 0 | 258.630 | 0 | 258.630 |
| 034 Hancock | 0 | 0 | 17284.822 | 17284.822 |
| 036 Henderson | 0 | 0 | 0 | 0 |
| 048 Knox | 0 | 0 | 0 | 0 |
| 055 McDonough | 0 | 0 | 0 | 0 |
| 085 Schuyler | 0 | 0 | . 0 | 0 |
| 094 Warren | 0 | 0 | 0 | 0 |
| District total | 0 | 258,630 | 17284.822 | 17543,452 |
| Central | | | | |
| 020 DeWitt | 0 | 31.995 | 0 | 31.995 |
| 054 Logan | ŏ | | ŏ | |
| 057 McLean | | 0 | | 0 |
| | 0 | 0 | 0 | 0 |
| 058 Macon | 0 | 0 | 0 | 0 |
| 062 Marshall | 0 | 0 | 0 | 0 |
| 063 Mason | .658 | 32.877 | 0 | 33.534 |
| 065 Menard | 0 | 0 | 0 . | 0 |
| 072 Peoria | 0 | 311.000 | 0 | 311.000 |
| 088 Stark | 0 | 0 | 0 | 0 |
| 090 Tazewell | 1.419 | 698.506 | 0 | 699.924 |
| 102 Woodford | 0 | 0 | Ô | 0 |
| District total | 2.076 | 1074.377 | o | 1076.453. |
| East | | | | |
| 010 Champaign | 0 | 0 | 0 | 0 |
| 027 Ford | ŏ | ŏ | ŏ | ŏ |
| 038 Iroquois | ŏ | Ö | Ů | Ů |
| 046 Kankakee | | | | |
| | 0 | 0 | 0 | 0 |
| 053 Livingston | 0 | 0 | 0 | 0 |
| 074 Piatt | 0 | 0 | 0 | 0 |
| 092 Vermition | 0 | 2.000 | 0 | 2.000 |
| District total | 0 | 2.000 | 0 | 2.000 |
| | | | | |

Table 10. (Concluded)

| District | Thermo | electric | Hvdroelectric | Total |
|----------------|--------------|---------------|---------------|-----------|
| County | Ground Water | Surface water | Surface water | 10741 |
| · vinie | (mgd) | (mgd) | (mgd) | (mgd) |
| W. Southwest | | | | |
| 003 Bond | 0 | 0 | 0 | 0 . |
| 007 Calhoun | 0 | 0 | 0 | 0 |
| 009 Cass | . 0 | 0 | 0 | 0 |
| 011 Christian | 0 | 684.665 | 0 | 684.665 |
| 931 Greene | 0 | 0 . | 0 | 0 |
| 042 Jersey | 0 | 0 | 0 | 0 |
| 059 Macoupin | 0 | 0 | 0 | 0 |
| 060 Madison | 0 | 332.484 | 0 | 332,484 |
| 068 Montgomery | 0 | 402.979 | 0 | 402,979 |
| 069 Morgan | .110 | 179.178 | 0 | 179.288 |
| 075 Pike | .030 | 20.964 | 0 | 20.994 |
| 084 Sangamon | 0 | 300,208 | 0 | 300.208 |
| 086 Scott | 0 | 0 | 0 | 0 |
| District total | .140 | 1920.477 | 0 | 1920.617 |
| E. Southeast | _ | | | |
| 012 Clark | 0 | 0 . | 0 | 0 |
| 013 Clay | 0 | Ō | ō | 0 |
| 015 Coles | 0 | 0 | 0 | 0 |
| 017 Crawford | .756 | 102.602 | o | 103.358 |
| 018 Cumberland | 0 | 0 | 0 | 0 |
| 021 Douglas | 0 | 0 | 0 | 0 |
| 023 Edgar | 0 | 0 | 0 | 0 |
| 025 Effingham | 0 | 0 | 0 | 0 |
| 026 Fayette | 0 | 0 | 0 | 0 |
| 040 Jasper | 0 | 390.664 | 0 | 390.664 |
| 051 Lawrence | 0 | 0 | 0 | 0 |
| 061 Marion | 0 | 0 | 0 | 0 |
| 070 Moultrie | 0 | 0 | 0 | 0 |
| 080 Richland | 0 | 0 | 0 | 0 |
| 087 Shelby | 0 | 0 | 0 | 0 |
| District total | . 756 | 493, 266 | 0 | 494.022 |
| Southwest | | | | f |
| 002 Alexander | 0 | 0 | 0 | . 0 |
| 014 Clinton | 0 | .526 | 0 | .526 |
| 039 Jackson | .060 | 141.921 | 0 | 141.980 |
| 044 Johnson | 0 | 0 | 0 | 0 |
| 067 Monroe | 0 | 0 | 0 | 0 |
| 073 Perry | 0 | 0 | 0 | 0 |
| 077 Pulaski | 0 | 0 | 0 | 0. |
| 079 Randolph | 0 | 30.220 | 0 | 30.220 |
| 082 St. Clair | 0 | 0 | 0 | 0 |
| 091 Union | 0 | 0 | 0 | 0 |
| 095 Washington | 0 | 0 | 0 | 0 |
| 100 Williamson | 0 | 94.996 | 0 | 94.996 |
| District total | .060 | 267.663 | 0 | 267.723 |
| Southeast | | | | <u>.</u> |
| 024 Edwards | 0 | 0 | 0 | 0 |
| 028 Franklin | , 0 | 0 | 0 | 0 |
| 030 Gallatin | 0 | Ö | Ō | ō |
| 033 Hamilton | 0 | 0 | 0 | 0 |
| 035 Hardin | 0 | 0 | 0 | Ó |
| 041 Jefferson | 0 | 0 | 0 | 0 |
| 064 Massac | 1.640 | 545,000 | 0 | 546.640 |
| 076 Pope | 0 | 0 | 0 | 0 |
| 083 Satine | 0 | 0 | 0 | 0 |
| 093 Wabash | 0 | 0 | 0 | 0 |
| 096 Wayne | 0 | 0 | 0 | 0 |
| 097 White | 0 | 0 | 0 | Ö |
| District total | 1.640 | 545.000 | 0 | 546.640 |
| State total | 7.819 | 12386.139 | 21494.876 | 33888.835 |

Table 11. Self Supplied Industry, Manufacturing Water Withdrawals, Reported 1984 (SIC 2000 3999)

| District County | Ground Water (mgd) | Surface water (mgd) | Total (mgd) |
|-------------------------------|-----------------------|------------------------|----------------|
| · | | | |
| Northwest 906 Bureau | .036 | 13.512 | 13.549 |
| 008 Carroll | 1.480 | 0 | 1.480 |
| 037 Henry | .031 | 0 | .031 |
| 043 Jo Daviess | 1.758 | 0 | 1.758 |
| 052 Lee | .028 | 1.793 | 1.821 |
| 066 Mercer | 0 | 0 | 0 |
| 071 Ogle | 1.073 .085 | 0 3.878 | 1.073 3.963 |
| 078 Putnam 081 Rock Island | 9,800 | 11.682 | 21.482 |
| 089 Stephenson | 2.089 | 0 | 2,089 |
| 098 Whiteside | 2.638 | 1.627 | 4,266 |
| 101 Winnebago | 4.419 | 0 | 4.419 |
| District total | 23.437 | 32,492 | 55,929 |
| Northeast | | | |
| 004 Boone | 1.367 | 0 | 1.367 |
| 016 Cook | 10.614 | 235.687 | 246.301 |
| 019 DeKatb | .489 | .294 | .783 |
| 022 DuPage | .706 | 0 | .706 |
| 032 Grundy | 6.609 | .064 | 6.673 |
| 045 Kane 047 Kendall | 1.911 .819 | .115 0 | 2.026 .819 |
| 047 Kendali 049 Lake | 1.753 | 5,780 | 7,533 |
| 050 LaSalle | 6,222 | 23,984 | 30,206 |
| 056 McHenry | 2.406 | 1,207 | 3.613 |
| 099 Will | 5.608 | 13.059 | 18.667 |
| District total | 38,503 | 280.192 | 318,695 |
| West | | | |
| 001 Adams | 9.662 | 0 | 9.662 |
| 005 Brown | 0 | 0 | 0 |
| 029 Fulton | 0 | 0 | 0 |
| 034 Hancock | <.001 | 0 | < .001 |
| 036 Henderson | 0 | 0 | 0 |
| 048 Knox 055 McDonough | .001 .024 | 0 0 | .001 .024 |
| 085 Schuyler | 0.024 | 0 | 0.024 |
| 094 Warren | ő | ŏ | ő |
| District total | 9.687 | 0 | 9,687 |
| Central | | | |
| 020 DeWitt | .004 | 0 | .004 |
| 054 Logan | 0 | ŏ | 0 |
| 057 McLean | .896 | 0 | .896 |
| 058 Macon | .012 | 6.384 | 6.395 |
| 062 Marshall | 1.022 | 0 | 1.022 |
| 063 Mason | 2.001 | 0 | .001 |
| 065 Menard 072 Peoría | 0 14,377 | 0 22.518 | 0 36.895 |
| 088 Stark | 0 | 0 | 0 |
| 090 Tazewell | 4.456 | 17.380 | 21.836 |
| 102 Woodford | .003 | 0 | .003 |
| District total | 20,770 | 46,282 | 67,052 |
| East | | | |
| 010 Champaign | 3.268 | 0 | 3.268 |
| 027 Ford | 0 | 0 | 0 |
| 038 Iroquois | .096 | 0 | .096 |
| 046 Kankakee | .206 | 0 | .206 |
| 053 Livingston 074 Piatt | .055 | 0 | .055 |
| 092 Vermilion | .967 3.312 | 0 | .967 3.312 |
| District total | 7,904 | 0 | 7.904 |
| | | - | |

Table 11. (Concluded)

| District County | Ground Water (mgd) | Surface water (mgd) | Total (mgd) |
|-------------------------------|-----------------------|------------------------|----------------|
| Conniv | 10000 | 111 | |
| W. Southwest | 003 | | 002 |
| 003 Bond 007 Calhoun | .003 | 0 0 | .003 0 |
| 007 Cainoun 009 Cass | .830 | ŏ | .830 |
| 011 Christian | .041 | 0 | .041 |
| 031 Greene | , 0 | 0 | 0 |
| 042 Jersey | 0 | . 0 | 0 |
| 059 Macoupin | 0 36.842 | 0 13.883 | 0 50,725 |
| 060 Madison 068 Montgomery | 30.842 O | .438 | .438 |
| 069 Morgan | 5.376 | 0 | 5.376 |
| 075 Pike | 0 | 0 | 0 |
| 084 Sangamon | 0 | 0 | . 0 |
| 086 Scott | 0 | 0 | 0 |
| District total | 43,091 | 14.322 | 57.413 |
| E. Southeast | | | • |
| 012 Clark | 0 0 | 0 0 | 0 0 |
| 013 Clay 015 Coles | .212 | ŏ | .212 |
| 017 Crawford | 0 | 3,665 | 3,665 |
| 018 Cumberland | Ō | 0 | 0 |
| 021 Douglas | .003 | 7.282 | 7.285 |
| 023 Edgar | 0 | 0 | 0 |
| 025 Effingham | 0 | 0 0 | 0 |
| 026 Fayette 040 Jasper | ŏ | ŏ | ŏ |
| 051 Lawrence | .003 | 0 | .003 |
| 061 Marion | 0 | 0 | 0 |
| 070 Moultrie | 0 | 0 | 0 0 |
| 080 Richland 087 Shelby | 0 .317 | 0 0 | .317 |
| District total | .535 | 10,947 | 11.482 |
| Southwest | | | |
| 002 Alexander | .013 | 0 | .013 |
| 014 Clinton | 0 | 0 | 0 |
| 039 Jackson | 0 | 0 | 0 |
| 044 Johnson | 0 | 0 | 0 |
| 067 Monroe | 0 0 | 0 .455 | 0 .455 |
| 073 Perry 077 Pulaski | 0 | 0.755 | 0 .455 |
| 079 Randolph | .ŏ | Ö | ŏ |
| 082 St. Clair | 3.080 | 0 | 3.080 |
| 091 Union | <u>,</u> .014 | 0 | .014 |
| 095 Washington | 0 0 | 0 0 | 0 0 |
| 100 Williamson | V | U | U |
| District total | 3.107 | .455 | 3,562 |
| Southeast | 2 | • | |
| 024 Edwards 028 Franklin | 0 0 | 0 0 | 0 0 |
| 030 Gallatin | ŏ | ő | Õ |
| 033 Hamilton | Ö | Ö | Ŏ |
| 035 Hardin | 0 | 0 | 0 |
| 041 Jefferson | 0 | 0 | 0 |
| 064 Massac | 4.732 | 0 | 4.732 |
| 076 Pope 083 Saline | 0 0 | 0 0 | 0 |
| 093 Wabash | ő | 0 | Ŏ |
| 096 Wayne | ŏ | Ŏ | Ŏ |
| 097 White | 0 | 0 | . 0 |
| District total | 4.732 | . 0 | 4,732 |
| State total | 151.765 | 384.690 | 536.455 |

Table 12. Self Supplied Industry, Mineral Extraction Water Withdrawals, Reported 1984 (SIC 1000 1499)

| District | Groun | d Water | Surface water | Total |
|----------------------------|---------------|---------|---------------|-----------|
| County | B rine | Fresh | Saryace water | 1000 |
| | (mgd) | (mgd) | (mgd) | (mgd) |
| Northwest | | | | |
| 006 Bureau | 0 | 3.787 | 0 | 3,787 |
| 008 Carroll | 0 | Ô | Ō | 0 |
| 037 Henry | 0 | Ô | Ō | 0 |
| 043 Jo Daviess | 0 | Ö | 0 | Ò |
| 052 Lee | 0 | Ó | Ö | 0 |
| 066 Mercer | 0 | Ō | Ö | Ò |
| 071 Ogle | ō | .128 | ŏ | .128 |
| 078 Putnam | Ö | 0 | ŏ | 0 |
| 081 Rock Island | ŏ | .001 | .336 | .336 |
| 089 Stephenson | ŏ | 0 | 0 | 0 |
| 098 Whiteside | ŏ | .002 | ŏ | .002 |
| 101 Winnebago | Ŏ | <.001 | .365 | .365 |
| District total | 0 | 3,918 | .701 | 4.619 |
| Northeast | | | | |
| 004 Boone | 0 | 0 | .137 | .137 |
| 016 Cook | ŏ | <.001 | .507 | .507 |
| 019 DeKalb | ŏ | 100. | 2.460 | 2.461 |
| 022 DuPage | ő | .008 | .004 | |
| 032 Grundy | 0 | | | .011 |
| 045 Kane | 0 | <.001 | 0 | <.001 |
| | | <.001 | 0 | <.001 |
| 047 Kendall | 0 | <.001 | . 0 | <.001 |
| 049 Lake | 0 | .419 | .225 | .644 |
| 050 LaSalle | 0 | .079 | 12,507 | 12.586 |
| 056 McHenry | 0 | .164 | .038 | .203 |
| 099 Will | 0 | <.001 | .168 | .169 |
| District total | 0 | .672 | 16.046 | 16.718 |
| West | | | | |
| 001 Adams | 0 | 0 | 0 | 0 |
| 005 Brown | ŏ | Ŏ | ŏ | ő |
| 029 Fulton | ŏ | .137 | 1,392 | 1.530 |
| 034 Hancock | ŏ | 0 | | |
| 036 Henderson | Ö | 0 | 0 | 0 |
| 048 Knox | 0 | | 0 | 0 |
| 055 McDonough | ő | <.001 | . 0 | <.001 |
| | | <.001 | . 0 | <.001 |
| 085 Schuyler 094 Warren | 0 0 | 0 0 | 0 0 | 0 0 |
| District total | 0 | .138 | 1.392 | 1.530 |
| | | | 110.70 | 12,74.0 |
| Central 020 DeWitt | ^ | Δ. | C | |
| 020 DeWitt | 0 | 0 | 0 | 0 |
| 054 Logan | 0 | .060 | .005 | .065 |
| 057 McLean | 0 | 0 | 0 | . 0 |
| 058 Macon | 0 | 0 | 0 | 0 |
| 062 Marshall | 0 | 0 | 0 | 0 |
| 063 Mason | 0 | 0 | 0 | 0 |
| 065 Menard | 0 | 0 | 0 | 0 |
| 072 Peoria | 0 | .001 | .438 | .439 |
| 088 Stark | 0 | 0 | 0 | 0 |
| 090 Tazewell | 0 | 0 | 0 | 0 |
| 102 Woodford | 0 | 0 | 0 | 0 |
| District total | 0 | .061 | .443 | .504 |
| East | | | | |
| 010 Champaign | 0 | 0 | 4.505 | 4.505 |
| 027 Ford | ŏ | ŏ | .062 | .062 |
| 038 Iroquois | ŏ | 0 | 0 | .002 |
| 046 Kankakee | 0 | <.001 | 0 | <.001 |
| 053 Livingston | 0 | 0 | 0 | |
| 074 Piatt | 0 | 0 | | 0 |
| 092 Vermilion | ő | 0 | .164 0 | .164 0 |
| District total | 0 | < .001 | 4,732 | 4.732 |
| | | | | |

Table 12. (Concluded)

| B) and the | Ground | Water | Surface water | Total |
|---------------------------|---------|-----------------|---------------|---------|
| District County | Brine | rraier Fresh | Surjace water | 10lai |
| Countr | (mgd) | (mgd) | (mgd) | (mgd) |
| W. Southwest | | | | |
| 003 Bond | ,004 | .035 | .230 | .269 |
| 007 Calhoun | 0 | 0 | 0 | 0 |
| 009 Cass | 0 | 0 | 0 | 0 |
| 011 Christian | .467 | .053 | .154 | .673 |
| 031 Greene | 0 | .002 | 0 | .002 |
| 042 Jersey | Õ | 0 | Ŏ | 0 |
| 059 Macoupin | Ď | ŏ | 1.769 | 1.769 |
| 060 Madison | .097 | .014 | 0 | .111 |
| 068 Montgomery | 0 | 023 | .143 | .166 |
| 069 Morgan | ő | 0 | 0 | 0.100 |
| 075 Pike | ŏ | Ö | ő | ŏ |
| | ŏ | <.001 | 1.579 | 1.579 |
| 084 Sangamon 086 Scott | 0 | 0 | 0 | 0 |
| District total | .567 | .126 | 3.875 | 4.568 |
| E. Southeast | | | | |
| 012 Clark | .062 | .139 | 0 | .200 |
| 013 Clay | .964 | .184 | Õ | 1.148 |
| 015 Coles | .032 | .009 | .151 | .192 |
| 017 Crawford | 2.983 | 2.251 | 0 | 5.234 |
| 018 Cumberland | .147 | .068 | ŏ | .215 |
| 021 Douglas | 0 | .027 | 1.692 | 1.719 |
| | .051 | 0 | 0 | .051 |
| 023 Edgar | .187 | .057 | ŏ | .244 |
| 025 Effingham | 6.516 | .075 | ŏ | 6.591 |
| 026 Fayette | ,585 | | ŏ | .605 |
| 040 Jasper | | .020 | · | |
| 051 Lawrence | 6.125 | .257 | 004 | 6.386 |
| 061 Marion | 10.197 | .615 | 1.322 | 12.134 |
| 070 Moultrie | 0 | 0 | . 0 | 0 |
| 080 Richland | .918 | .029 | 0 | .947 |
| 087 Shelby | .030 | .003 | 0 | .033 |
| District total | 28, 796 | 3, 735 | 3.168 | 35.699 |
| Southwest | | | | |
| 002 Alexander | 0 | 0 | 0 | 0 |
| 014 Clinton | .347 | .184 | 1.190 | 1.721 |
| 039 Jackson | 0 | 0 | 1.184 | 1.184 |
| 044 Johnson | 0 | 0 | .002 | .002 |
| 067 Monroe | 0 | .001 | 0 | .001 |
| 073 Perry | .012 | .022 | 12.671 | 12,705 |
| 077 Pulaski | 0 | 0 | 0 | 0 |
| 079 Randolph | 0 | <.001 | .026 | .027 |
| 082 St. Clair | 0 | 0 | 1.873 | 1.873 |
| 091 Union | 0 ' | 0 | .003 | .003 |
| 095 Washington | .356 | .046 | .013 | .415 |
| 100 Wiffiamson | .029 | .007 | 6.092 | 6.127 |
| District total | .743 | .260 | 23.054 | 24.057 |
| Southeast | | | | |
| 024 Edwards | 364 | .390 | 0 | .753 |
| 028 Franklin | .507 | .024 | .426 | .957 |
| 030 Gallatin | .214 | 1.320 | .636 | 2.169 |
| 033 Hamilton | .531 | .024 | .093 | .647 |
| 035 Hardin | 0 | 1.133 | .013 | 1.146 |
| 041 Jefferson | .482 | .005 | 1.535 | 2.022 |
| 064 Massac | 0 | 0 | 0 | 0 |
| 076 Pope | ŏ | ŏ | ŏ | ŏ |
| 083 Saline | .306 | .035 | 3.694 | 4.034 |
| | .582 | .909 | .021 | 1.512 |
| 093 Wabash | | | | |
| 096 Wayne | 1.780 | .363 | .008 | 2.151 |
| 097 White | 3,244 | .719 | .236 | 4,198 |
| District total | 8.008 | 4.921 | 6.661 | 19.590 |
| State total | 38.114 | 13,830 | 60.072 | 112,016 |

Table 13. Self Supplied Industry, Excluding Electrical Power Generation Water Withdrawals, Reported 1984

| District | Ground Water* | Surface water | Total |
|---------------------------|---------------|-----------------------------|--------------------|
| County | (mgd) | (mgd) | (mgd) |
| Northwest | | | |
| 006 Bureau | 3.824 | 13.512 | 17.336 |
| 008 Carroll | 1.601 | 0 | 1.601 |
| 037 Henry | .033 | 0 | .033 |
| 043 Jo Daviess 052 Lee | 1.816 | 0 | 1.816 |
| 066 Mercer | .335 0 | 1.793 | 2.128 |
| 071 Ogle | 1.202 | 0 | 0 1,2 02 |
| 078 Putnam | .085 | 3.878 | 3,963 |
| 081 Rock Island | 9.802 | 12.017 | 21.819 |
| 089 Stephenson | 2.108 | 0 | 2.108 |
| 098 Whiteside | 2.640 | 1.627 | 4,268 |
| 101 Winnebago | 4.748 | .365 | 5.113 |
| District total | 28.194 | 33.193 | 61.386 |
| Northeast | | | |
| 004 Boone | 1.378 | .137 | 1.515 |
| 016 Cook | 16.096 | 294.151 | 310.247 |
| 019 DeKalb | .519 | 2.754 | 3.273 |
| 022 DuPage | 1.931 | . 2.890 | 4.821 |
| 032 Grundy | 6.900 | .071 | 6.970 |
| 045 Kane | 1.998 | 1.300 | 3.298 |
| 047 Kendall 049 Lake | .821 2.378 | 0 | .821 |
| 050 LaSalte | 6.306 | 6.007 | 8.385 |
| 056 McHenry | 2.798 | 36.491 | 42.797 |
| 099 Will | 6.195 | 1.24 6 13.242 | 4.043 19.437 |
| District total | 47.319 | 358.288 | 405.606 |
| West | | | |
| 001 Adams | 9.662 | 0 . | 9.662 |
| 005 Brown | 0 . | o O | 0 |
| 029 Fulton | .137 | 1.392 | 1.530 |
| 034 Hancock | <.001 | 0 | <.001 |
| 036 Henderson | 0 | Ŏ | 0 |
| 048 Knox | .002 | Ô | .002 |
| 055 McDonough | .024 | 0 | .024 |
| 085 Schuyler | 0 | 0 | 0 |
| 094 Warren | 0 | 0 | 0 |
| District total | 9.825 | 1.392 | 11.217 |
| Central | | | |
| 020 DeWitt | .004 | 0 | .004 |
| 054 Logan | .060 | .005 | .065 |
| 057 McLean | .897 | 0 | .897 |
| 058 Macon | .012 | 6.384 | 6.395 |
| 062 Marshall | 1.022 | 0 | 1.022 |
| 063 Mason 065 Menard | 5.699 0 | 0 | 5.699 |
| 072 Peoria | 14.812 | 0 | 0 |
| 088 Stark | 0 | 22.956 0 | 37,769 |
| 090 Tazewell | 4.458 | 17.380 | 0 21.838 |
| 102 Woodford | .003 | 0 | .003 |
| District total | 26.967 | 46, 725 | 73.692 |
| East . | | | |
| 010 Champaign | 5.488 | 4,505 | 9.993 |
| 027 Ford | 0 | .062 | .062 |
| 038 Iroquois | .096 | 0 | .096 |
| 046 Kankakee | .207 | 0 | .207 |
| 053 Livingston | .055 | 0 | .055 |
| 074 Piatt | .967 | .164 | 1.132 |
| 092 Vermilion | 3.312 | 0 | 3.312 |
| District total | 10.125 | 4.732 | 14.856 |

Table 13.(Concluded)

| District | Ground Water* | Surface water | Total |
|-----------------------------|---------------|---------------|----------------|
| County | (mgd) | (mgd) | (mgd) |
| W. Southwest | | | |
| 003 Bond | .042 | .230 | .272 |
| 007 Cathoun | 0 | 0 | 0 |
| 009 Cass | .830 | 0 | .830 |
| 011 Christian | .560 | .154 | .714 |
| 031 Greene | .002 | 0 | .002 |
| 042 Jersey | 0 | 0 | 0 . |
| 059 Macoupin | 0 | 1.769 | 1.769 |
| 060 Madison | 36.953 | 13.883 | 50.836 |
| 068 Montgomery | .023 | .582 | 605 |
| 069 Morgan | 5.376 | 0 | 5.376 |
| 075 Pike | <.001 | . 0 | <.001 |
| 084 Sangamon 086 Scott | <.001 0 | 1,579 0 | 1.579 0 |
| 000 30011 | v | v | . • |
| District total | 43.785 | 18.196 | 61.981 |
| E. Southeast | | | |
| 012 Clark | .200 | 0 | .200 |
| 013 Clay | 1.148 | 0 . | 1.148 |
| 015 Coles | .254 | . 151 | |
| 017 Crawford | 5.234 | 3.665 | 8.899 |
| 018 Cumberland | .215 | 0 | .215 |
| 021 Douglas | .030 | 8.974 | 9.004 |
| 023 Edgar | ,051 | 0 | .051 |
| 025 Effingham | .244 | 0 | .244 |
| 026 Fayette | 6.591 | . 0 | 6.591 |
| 040 Jasper | .605 | 0 | .605 |
| 051 Lawrence | 6.385 | ,004 | 6.389 |
| 061 Marion | 10.813 | 1.322 | 12.134 |
| 070 Moultrie | 0 | 0 | 0 |
| 080 Richland | .947 | 0 | .947 |
| 087 Shelby | .350 | V | .350 |
| District total | 33.066 | 14.115 | 47.182 |
| Southwest | | | |
| 002 Alexander | .013 | 0 | .013 |
| 014 Clinton | .562 | 1.190 | . 1.752 |
| 039 Jackson | 0 | 1.184 | 1.184 |
| 044 Johnson | 0 | .002 | .002 |
| 067 Monroe | .001 | 0 | .001 |
| 073 Perry | .034 | 13.126 | 13.160 |
| 077 Pulaski 079 Randolph | <.001 | 0 .026 | 0 |
| 082 St. Clair | 14,307 | 1,873 | .027 16.180 |
| 091 Union | .014 | .003 | .017 |
| 095 Washington | .402 | .003 | .415 |
| 100 Williamson | .035 | 6.092 | 6.127 |
| 750 | | V.V/2 | .0.127 |
| District total | . 15.369 | 23.509 | . 38.878 |
| Southeast . | | | |
| 024 Edwards | .753 | 0 | 753 |
| 028 Franklin | .531 | .426 | .957 |
| 030 Gallatin | 1.534 | .636 | 2,169 |
| 033 Hamilton | .554 | .093 | .647 |
| 035 Hardin | 1.133 | .013 | 1.146 |
| 041 Jefferson | .487 | 1.535 | 2.022 |
| 064 Massac | 4.732 | 0 | 4.732 |
| 076 Pope 083 Saline | 0 .340 | 0 3.694 | . 0 |
| 093 Wabash | 1.491 | .021 | 4.034 |
| 096 Wayne | 2.143 | .008 | 1.512 2.151 |
| 097 White | 3.963 | .236 | 4.198 |
| District total | 17.660 | 6.661 | 24.321 |
| | | | |
| State total | 232.309 | 506.812 | 739.121 |

^{*}Includes 38.114 mgd brine. Figures may nor add ro totals because of independent rounding.

Table 14. Self Supplied Industry, Total Water Withdrawal, Reported 1984

| District | Ground Water* | Surface water | Total |
|--------------------------------|-----------------|------------------|------------------|
| County | (mgd) | (mgd) | (mgd) |
| Northwest | | | |
| 006 Bureau | 3,824 | 13.512 | 17.336 |
| 008 Carroll | 1.601 | 0 | 1.601 |
| 037 Henry | .033 | 0 | .033 |
| 043 Jo Daviess | 1.816 | 0 | 1.816 |
| 052 Lee | .335 | 1.793 | 2.128 |
| 066 Mercer | 0 | 0 | 0 |
| 071 Ogle | 1.635 | 10.411 | 12.046 |
| 078 Putnam | 186 | 179.322 | 179.508 |
| 081 Rock Island | 9.965 | 892.320 | 902.285 |
| 089 Stephenson | 2.109 | 0 | 2.109 |
| 098 Whiteside 101 Winnebago | 2,640 5,004 | 1.627 735.160 | 4.268 740,163 |
| - | | | |
| District total | 29,148 | 1834,145 | 1863.293 |
| Northeast | 1 220 | 127 | 1 516 |
| 004 Boone | 1,378 16,096 | .137 944.679 | 1.515 960.775 |
| 016 Cook | | 2.754 | 3,289 |
| 019 DeKalb 022 DuPage | .535 2.048 | 2.734 | 4.938 |
| 032 Grundy | 7,877 | - 1902.536 | 1910.413 |
| 045 Kane | 1.998 | 1,300 | 3.298 |
| 047 Kendall | .821 | 0 | .821 |
| 049 Lake | 2,439 | 1945.361 | 1947,800 |
| 050 LaSalle | 6,403 | 2246.475 | 2252.878 |
| 056 McHenry | 2,945 | 1.246 | 4.191 |
| 099 Will | 7.610 | 3544.726 | 3552.335 |
| District total | 50.150 | 10592,103 | 10642.252 |
| West | | | |
| 001 Adams | 9.662 | 0 | 9.662 |
| 005 Brown | 0 | 0 | 0 |
| 029 Fulton | .137 | 260,022 | 260.160 |
| 034 Hancock | < .001 | 17284.822 | 17284.822 |
| 036 Henderson | 0 | 0 | 0 |
| 048 Knox | .002 | 0 | .002 |
| 055 McDonough | .024 | 0 | .024 |
| 085 Schuyler 094 Warren | 0 0 | 0 0 | 0 0 |
| | | - | |
| District total | 9,825 | [7,544.844] | 17554.669 |
| Central 020 DeWitt | .004 | 31,995 | 31.999 |
| | .060 | .005 | .065 |
| 054 Logan 057 McLean | .897 | 0.003 | .897 |
| 058 Macon | .012 | 6.384 | 6.395 |
| 062 Marshall | 1,022 | 0.384 | 1.022 |
| 063 Mason | .658 | 32.877 | 33,535 |
| 065 Menard | 0 | 0 | 0 |
| 072 Peoria | 14.812 | 333.956 | 348.769 |
| 088 Stark | 0 | 0 | 0 |
| 090 Tazewell | 5,877 | 715.886 | 721.763 |
| 102 Woodford | .003 | 0 | .003 |
| District total | 23.345 | 1121,102 | 1144.447 |
| East | | | |
| 010 Champaign | 5.488 | 4,505 | 9,993 |
| 027 Ford | 0 | .062 | .062 |
| 038 Iroquois | .096 | 0 | .096 |
| 046 Kankakee | .207 | 0 | .207 |
| 053 Livingston | .055 | 0 | .055 |
| 074 Piatt | .967 | .164 | 1.132 |
| 092 Vermilion | 3.312 | 2.000 | 5.312 |
| District total | 10.125 | 6,732 | 16.856 |

Syr .

Table 14. (Concluded)

| District | Ground Water* | Surface water | Total |
|-------------------------------|---------------|---------------|----------------|
| County | (mgd) | (mgd) | (mgd) |
| W. Southwest | | | |
| W. Southwest 003 Bond | .042 | .230 | .272 |
| 007 Calhoun | 0 | 0 | 0 |
| 009 Cass | .830 | 0 | .830 |
| 011 Christian | .560 | 684.819 | 685.379 |
| 031 Greene | 002 | 0 | 002 |
| 042 Jersey 059 Macoupin | 0 0 | 0 1.769 | 0 1.769 |
| 060 Madison | 36.953 | 346.368 | 383.321 |
| 068 Montgomery | .023 | 403.561 | 403.584 |
| 069 Morgan | 5.485 | 179.178 | 184.663 |
| 075 Pike | .030 | 20.964 | 20.994 |
| 084 Sangamon | <.001 | 301.786 | 301.786 |
| 086 Scott | 0 | 0 | 0 |
| District total | 43.924 | 19,38.674 | 1982.598 |
| E. Southeast | | | |
| 012 Clark | .200 | 0 | .200 |
| 013 Clay | 1.148 | 0 | 1.148 |
| 015 Coles | .254 | 151 | .404 |
| 017 Crawford | 5,990 .215 | 106.267 0 | 112,257 |
| 018 Cumberland 021 Douglas | .030 | 8.974 | .215 9,004 |
| 023 Edgar | .051 | 0 | .051 |
| 025 Effingham | .244 | Ò | .244 |
| 026 Fayette | 6.591 | 0 | 6.591 |
| 040 Jasper | .605 | 390.664 | 391.269 |
| 051 Lawrence | 6.385 | .004 1.322 | 6.389 |
| 061 Marion 070 Moultric | 10.813 0 | 0 | 12.134 |
| 080 Richland | .947 | ő | .947 |
| 087 Shelby | .350 | . 0 | .350 |
| District total | 33.822 | 507.382 | 541.204 |
| Southwest | | | |
| 002 Alexander | .013 | 0 | .013 |
| 014 Clinton | .562 | 1.716 | 2.278 |
| 039 Jackson | .060 | 143.104 | 143.164 |
| 044 Johnson | 0 | .002 | .002 |
| 067 Monroe | .001 | 0 | .001 |
| 073 Perry 077 Pulaski | .034 0 | 13.126 0 | 13.160 0 |
| 077 Putiski 079 Randolph | 100.> | 30.246 | 30.247 |
| 082 St. Clair | 14,307 | 1.873 | 16.180 |
| 091 Union | .014 | .003 | .017 |
| 095 Washington | .402 | .013 | .415 |
| 100 Williamson | .035 | 101.088, | 101.124 |
| District total | 15.429 | 291.172 | 306,601 |
| Southeast | | | |
| 024 Edwards | .753 | 0 | .753 |
| 028 Franktin | .531 | .426 | .957 |
| 030 Gallatin | 1.534 | .636 | 2,169 |
| 033 Hamilton | .554 | .093 | .647 |
| 035 Hardin 041 Jefferson | 1.133 487 | .013 1.535 | 1.146 2.022 |
| 064 Massac | 6.372 | 545.000 | 551.372 |
| 076 Pope | 0 | 0 | 0 |
| 083 Saline | .340 | 3.694 | 4.034 |
| 093 Wabash | 1.491 | .021 | 1,512 |
| 096 Wayne 097 White | 2.143 | .008 | 2.151 |
| Uy/ wille | 3.964 | .236 | 4.199 |
| District total | 19.301 | 351.661 | 570.963 |
| State total | 235.069 | - 34387.814 | 34622.883 |

^{*}Includes 38.114 mgd brine. Figures may not add to totals because of independent rounding.

Table 15. Estimated Rural Water Withdrawals, 1984

| _ | | | | |
|------------------------|----------|-----------|------------|---------|
| District | Domestic | Livestock | Irrigation | Total |
| County | (mgd) | (mgd) | (mgd) | (mgd) |
| B1 .8 . | | | | |
| Northwest | | | | |
| 006 Bureau | .809 | 1.016 | .901 | 2.726 |
| 008 Carroll | .642 | 1.388 | 3.742 | 5.772 |
| 037 Henry | 1.445 | 2.106 | 2.803 | 6.354 |
| 043 Jo Daviess | .858 | 2.003 | .225 | 3.086 |
| 052 Lee | .656 | .756 | 8.820 | 10.233 |
| 066 Mercer | .811 | 1.054 | .752 | 2.617 |
| 071 Ogte | 1.782 | 1.586 | 1.469 | 4,837 |
| 078 Pulnam | .070 | .170 | .616 | .856 |
| 081 Rock Island | .945 | .603 | 1.522 | 3.069 |
| 089 Stephenson | 1.217 | 2.463 | | |
| 098 Whiteside | 2.092 | 1.407 | .681 | 4.360 |
| 101 Winnebago | 4.590 | | 11.226 | 14.725 |
| 101 Wallicoago | 4.390 | .852 | 2.389 | 7.831 |
| District total | 15.917 | 15.405 | 35,145 | 66,466 |
| Northoast | | | | |
| Northeast 004 Boone | 633 | 40= | | |
| | .933 | .497 | . 288 | 1.719 |
| 016 Cook | 5.236 | .035 | 13.785 | 19.056 |
| 019 DeKalb | .714 | 1.139 | .478 | 2.331 |
| 022 DuPage | 10.840 | .023 | 8.317 | 19.180 |
| 032 Grundy | .520 | .162 | .154 | .836 |
| 045 Kane | 1.160 | .716 | 1.911 | 3.787 |
| 047 Kendall | 2.556 | .358 | ,100 | 3.013 |
| 049 Lake | 7.654 | .121 | | |
| 050 LaSalle | .282 | | 4.671 | 12.446 |
| | | .770 | .290 | 1.342 |
| 056 McHenry | 6.743 | 1.032 | 3.440 | 11.215 |
| 099 Will | 8.713 | .384 | 3.076 | 12.173 |
| District total | 45.352 | 5.237 | 36.510 | 87.098 |
| West | | | | |
| 001 Adams | 764 | 1.321 | | |
| | .764 | 1.371 | .126 | 2.260 |
| 005 Brown | .085 | .320 | 0 | .406 |
| 029 Fulton | .883 | .865 | .638 | 2.385 |
| 034 Hancock | .662 | 1.102 | .202 | 1.966 |
| 036 Henderson | ,449 | .552 | 3.893 | 4.895 |
| 048 Knox | .702 | 1.246 | 0 | 1.949 |
| 055 McDonough | .570 | .750 | Ō | 1.319 |
| 085 Schuyler | .230 | .427 | .047 | .705 |
| 094 Warren | 1.314 | .984 | 0 | 2.297 |
| District total | 5,660 | | | |
| | 3,000 | 7.617 | 4.906 | 18.183 |
| Central | | | | |
| 020 DeWitt | .461 | .178 | 0 | .639 |
| 054 Logan | .588 | .471 | 0 | 1.059 |
| 057 McLean | 4.746 | .749 | .481 | 5.976 |
| 058 Macon | 1.249 | .177 | 0 | 1.426 |
| 062 Marshall | .449 | .363 | 1.540 | 2.352 |
| 063 Mason | .712 | .256 | 74,693 | |
| 065 Menard | .275 | .354 | | 75.661 |
| 072 Peoria | .924 | | 0 | .630 |
| 088 Stark | | .466 | 3.474 | 4.864 |
| | .266 | .288 | 0 | .554 |
| 090 Tazewell | 1.087 | .612 | 12.226 | 13,925 |
| 102 Woodford | 993 | .599 | .660 | 2.252 |
| District total | 11.751 | 4.514 | 93.074 | 109.339 |
| East | | | | |
| 010 Champaign | 2.604 | .290 | .328 | 2 111 |
| 027 Ford | .274 | .243 | | 3.222 |
| 038 Iroquois | | | .124 | .641 |
| | .878 | .927 | 1.269 | 3.074 |
| 046 Kankakee | 1.643 | .277 | 5.077 | 6.996 |
| 053 Livingston | 1.165 | .751 | 0 | 1.916 |
| 074 Piatt | .425 | .205 | .024 | .654 |
| 092 Vermilion | .555 | .435 | .007 | .998 |
| District total | 7.544 | 3.128 | 6.829 | 17.501 |
| • | | D. 1217 | 11.027 | 17.501 |

Table 15. (Concluded)

| | | | | _ |
|--------------------------------|----------------|--------------|--------------|----------------|
| District | Domestic | Livestock | Irrigation | Total |
| County | (mgd) | (mgd) | (mgd) | (mgd) |
| W. Southwest | | | | |
| 003 Bond | .528 | .482 | .049 | 1.059 |
| 007 Calhoun | .326 | .267 | .022 | .615 |
| 009 Cass | .354 | .410 | 1,316 | 2.079 |
| 011 Christian | .629 | .274 | .022 | .924 |
| 031 Greene | .380 | .805 | 1.028 | 2.212 |
| 042 Jersey | .260 | .474 | .471 | 1.205 |
| 059 Macoupin | 1.025 | 1.061 | .284 | 2.370 |
| 060 Madison | 4.604 | .680 | 1,361 | 6.646 |
| 068 Montgomery | .614 | .709 | .015 | 1.337 |
| 069 Morgan | .497 | .677 | .859 | 2.033 |
| 075 Pike | .553 | 1,499 | ,962 | 3.013 |
| 084 Sangamon | .758 | .614 | .173 | 1.545 |
| 086 Scott | .230 | .276 | 1.130 | 1.635 |
| District total | 10,756 | 8.228 | 7,691 | 26.676 |
| B.O. W. | • | | | |
| E. Southeast | AEI | ACC | 3.020 | 2 917 |
| 012 Clark | .451 | .455 | 2.930 | 3.836 |
| 013 Clay | .561 .207 | .277 .274 | .089 .010 | ,927 .491 |
| 015 Coles | .416 | .348 | .327 | 1,091 |
| 017 Crawford 018 Cumberland | .468 | .346 | .039 | .879 |
| 021 Douglas | .450 | .257 | 0 | .707 |
| 023 Edgar | .576 | .534 | .030 | 1.140 |
| 025 Effingham | .863 | .762 | .098 | 1.724 |
| 026 Fayette | .861 | .479 | .060 | 1.401 |
| 040 Jasper | .494 | .514 | 0 | 1,008 |
| 051 Lawrence | 476 | .154 | 3.437 | 4.067 |
| 061 Marion | .697 | 408 | .080 | 1.185 |
| 070 Moultrie | .500 | .247 | 0 | .747 |
| 080 Richland | .291 | .293 | ŏ | .583 |
| 087 Shelby | .746 | .568 | ,295 | 1.609 |
| District total | 8,057 | 5.941 | 7,396 | 21.394 |
| | | | | |
| Southwest | | 244 | | |
| 002 Alexander | .022 | .064 | .623 | .709 |
| 014 Clinton | 1.309 | 1.208 | ,123 | 2.640 |
| 039 Jackson | .714 | .385 | .147 | 1.246 |
| 044 Johnson | .721 | .381 | 0 | 1.102 |
| 067 Monroe | 1.161 1.431 | .330 .385 | .475 | 1.966 2.082 |
| 073 Perry 077 Pulaski | .309 | .147 | .265 .053 | .510 |
| 079 Randolph | .890 | .662 | .370 | 1.921 |
| 082 St. Clair | 3.037 | .522 | .820 | 4,379 |
| 091 Union | .642 | .317 | .164 | 1,122 |
| 095 Washington | .778 | .816 | .587 | 2,180 |
| 100 Williamson | .216 | .203 | .021 | .440 |
| 100 - 1111113011 | .270 | 1200 | | 7740 |
| District total | 11.229 | 5.419 | 3.649 | 20.297 |
| Southeast | | | | |
| 024 Edwards | .265 | .350 | 0 | .615 |
| 028 Franklin | 1.544 | .185 | 0 | 1.7291 |
| 030 Gallatin | .051 | .150 | 2.307 | 2.507 |
| 033 Hamilton | .444 | .252 | 0 | .695 |
| 035 Hardin | .158 | .124 | 0 | .282 |
| 041 Jefferson | .962 | .400 | .059 | 1.421 |
| 064 Massac | .230 | .285 | L.047 | 1.562 |
| 076 Pope | .094 | .166 | 0 | ,260 |
| 083 Saline | .362 | .172 | 0 | .534 |
| 093 Wabash | .992 | .153 | .141 | 1.286 |
| 096 Wayne | .405 | .551 | 0 | .956 |
| 097 White | .373 | .266 | 1.298 | 1.937 |
| District total | 5,880 | 3,053 | 4.852 | 13.785 |
| State total | 122.147 | 58.541 | 200.052 | 380.740 |
| | | | | 20010 |

Table 16. Total Water Withdrawals, Estimated and Reported 1984

| District County | Public systems | Self-supplied industry | Rural | Fish and wildlife (mgd) | Total (mgd) |
|-------------------------|-------------------|------------------------|------------------|-------------------------------|--------------------|
| | (mgd) | (mgd) | (mgd) | (mga) | (тқа) |
| Northwest | | | | | |
| 006 Bureau | 3.362 | 17.336 | 2.726 | <.001 | 23.425 |
| 008 Carroll | 1.477 | 1.601 | 5.772 | .003 | 8.853 |
| 037 Henry | 3.808 | .033 | 6.354 | .011 | 10.206 |
| 043 Jo Daviess | 1.743 | 1.816 | 3,086 | .004 | 6.648 |
| 052 Lee | 4.404 | 2.128 | 10.233 | .002 | 16.767 |
| 066 Mercer | .904 | 0 | 2,617 | 0 | 3.521 |
| 071 Ogle | 5.153 | 12.046 | 4.837 | .007 | 22,043 |
| 078 Pulnam | .392 | 179.508 | .856 | 0 | 180.756 |
| 081 Rock Island | 20.027 | 902.285 | 3.069 | 0 | 925.382 |
| 089 Stephenson | 5.722 | 2.109 | 4.360 | .005 | 12.196 |
| 098 Whiteside | 4.662 | 4.268 | 14.725 | .001 | 23.656 |
| 101 Winnebago | 33.791 | 740,163 | 7.831 | .006 | 781.792 |
| District total | 85.445 | 1863.293 | 66,466 | .039 | 2015.243 |
| Northeast | | | | | |
| 004 Boone | 3.785 | 1.515 | 1.719 | 0 | 7,018 |
| 016 Cook | 1113.874 | 960.775 | 19.056 | 0 | 2093.704 |
| 019 DeKalb | 7,230 | 3,289 | 2.331 | 0 | 12.850 |
| 022 DuPage | 78.885 | 4.938 | 19.180 | Õ | 103.003 |
| 032 Grundy | 2.247 | 1910.413 | .836 | .001 | 1913,498 |
| 045 Kane | 33.329 | 3.298 | 3,787 | 0.001 | 40.414 |
| 047 Kendall | 1.824 | .821 | 3.013 | .003 | 5,661 |
| | | | 12.446 | | 2010.103 |
| 049 Lake | 49.850 | 1947.800 | | .007 | |
| 050 LaSatte | 10.398 | 2252.878 | 1.342 | .031 | 2264.648 |
| 056 McHenry 099 Will | 11.751 30.549 | 4.191 3552.335 | 11.215 12,173 | .052 ,003 | 27,210 3595.061 |
| District total | 1343,722 | 10642,252 | 87,098 | , 0 97 | 12073,170 |
| West | | | | | |
| 001 Adams | 8.117 | 9.662 | 2.260 | .001 | 20.041 |
| | | 0 | ,406 | 0.001 | ,468 |
| 005 Brown | .062 | - | | | |
| 029 Fulton | 2,454 | 260.160 | 2.385 | 15,925 | 280.925 |
| 034 Hancock | 1.170 | 17284.822 | 1.966 | 0 | 17287.959 |
| 036 Henderson | 6.955 | 0 | 4.895 | 0 | 11.849 |
| 048 Knox | 1.322 | .002 | 1,949 | 0 | 3,272 |
| 055 McDonough | 3.343 | .024 | 1.319 | < .001 | 4.687 |
| 085 Schuyler | .452 | 0 | .705 | <.001 | 1.157 |
| 094 Warren | 2.623 | 0 | 2.297 | 0 | 4.921 |
| District total | 26.500 | 17554.669 | 18.183 | 15.926 | 17615,278 |
| Central | + 510 | 21,000 | (10 | 047 | 14.702 |
| 020 DeWitt | 1.519 | 31.999 | .639 | .047 | 34.203 |
| 054 Logan | 3.339 | .065 | 1.059 | 0 | 4.463 |
| 057 McLean | 11.998 | .897 | 5.976 | .007 | 18.878 |
| 058 Macon | 28.183 | 6.395 | 1.426 | < .001 | 36.005 |
| 062 Marshall | 1.268 | 1.022 | 2.352 | <.001 | 4.642 |
| 063 Mason | 1.044 | 33.535 | 75.661 | 7.664 | 117.904 |
| 065 Menard | .756 | 0 | .630 | <.001 | 1.386 |
| 072 Peoria | 22.417 | 348.769 | 4.864 | .001 | 376.052 |
| 088 Stark | .434 | 0 | .554 | 0. | ,988 |
| 090 Tazewell | 13.847 | 721.763 | 13.925 | <.001 | 749.535 |
| 102 Woodford | 3.261 | .003 | 2.252 | .001 | 5.517 |
| District total | 88.067 | 1144.447 | 109,339 | 7.721 | 1349,573 |
| East | | | | | |
| 010 Champaign | 19.584 | 9.993 | 3,222 | .001 | 32.799 |
| 027 Ford | 1.496 | .062 | .641 | 0 | 2,200 |
| 038 Iroquois | 2.215 | .096 | 3.074 | < .00, > | 5.385 |
| 046 Kankakee | 12.375 | .207 | 6.996 | .002 | 19,580 |
| 053 Livingston | 6.430 | .055 | 1.916 | 0 | 8.400 |
| 074 Piatt | 2.155 | 1.132 | .654 | .012 | 3.953 |
| 092 Vermilion | 9.864 | 5,312 | .998 | .017 | 16.191 |
| District total | 54.118 | 16.856 | 17.501 | .032 | 88.507 |

Table 16. (Concluded)

| Discours | 6.10. | Patt manted | | Plat and | |
|---------------------------|-------------------|---------------------------|----------------|----------------------|------------------|
| District County | Public systems | Self-supplied industry | Rural | Fish and wildlife | Total |
| Connix | (mgd) | (mgd) | (mgd) | (mgd) | (mgd) |
| W. Southwest | | | | | |
| 003 Bond | .835 | .272 | 1.059 | 0 | 2.166 |
| 007 Calhoun | .345 | 0 | .615 | .403 | 1.364 |
| 009 Cass | 1,724 | .830 | 2.079 | .213 | 4.846 |
| 011 Christian | 3.270 | 685.379 | .924 | .009 | 689.581 |
| 031 Greene | .706 | .002 | 2.212 | 0 | 2.920 |
| 042 Jersey | 1.031 | 0 | 1.205 | 1.048 | 3.283 |
| 059 Macoupin | 3.751 | 1.769 | 2.370 | .001 | 7,891 |
| 060 Madison | 58.484 | 383.321 | 6.646 | <.001 | 448.450 |
| 068 Montgomery | 2.576 | 403.584 | 1.337 | 0 | 407.497 |
| 069 Morgan | .415 | 184.663 | 2.033 | 0 0 | 187.112 |
| 075 Pike | 1.216 | 20.994 301.786 | 3.013 | 0 | 25.223 |
| 084 Sangamon 086 Scott | 22.087 4.696 | 0 | 1.545 1.635 | 0 | 325,418 6.332 |
| District total | 101,136 | 1982.598 | 26,676 | 1.674 | 2112.084 |
| E. Southeast | | | | | |
| 012 Clark | 1.238 | .200 | 3.836 | <.001 | 5.275 |
| 013 Clay | .853 | 1.148 | .927 | 0 | 2.927 |
| 015 Coles | 6.312 | .404 | .491 | .001 | 7,208 |
| 017 Crawford | 2.377 | 112,257 | 1.091 | 0 | 115.725 |
| 018 Cumberland | .269 | .215 | .879 | 0 | 1.362 |
| 021 Douglas | .993 | 9.004 | .707 | .009 | 10.712 |
| 023 Edgar | 1.836 | .051 | 1.140 | 0 | 3.028 |
| 025 Effingham | 2.013 | . 244 | 1.724 | 0 | 3.981 |
| 026 Fayette | 1.280 | 6.591 | 1.401 | .029 | 9.301 |
| 040 Jasper | .405 | 391.269 | 1.008 | <.001 | 392.682 |
| 051 Lawrence | 1.208 | 6.389 | 4.067 | <.001 | 11.664 |
| 061 Marion | 5.244 | 12.134 | 1.185 | .002 | 18,565 |
| 070 Moultrie | .941 | 0 | .747 | 3,276 | 4.964 |
| 080 Richland | 1.402 | .947 | .583 | 0 | 2.932 |
| 087 Shelby | 2.353 | .350 | 1.609 | <.001 | 4.313 |
| District total | 28.725 | 541,204 | 21.394 | 3,317 | 594.641 |
| Southwest | | | | | |
| 002 Alexander | 1.611 | .013 | .709 | .240 | 2.573 |
| 014 Clinton | 1.460 | 2.278 | 2.640 | 0 | 6.379 |
| 039 Jackson | 8.764 | 143.164 | 1.246 | .897 | 154.071 |
| 044 Johnson | .438 | .002 | 1.102 | 0 | 1.542 |
| 067 Monroe | .521 | .001 | 1.966 | 0 | 2.488 |
| 073 Perry 077 Pulaski | .648 | 13.160 0 | 2.082 | <.001 | 15.891 |
| 079 Randolph | .706 3,929 | 30,247 | ,510 1,921 | 0 < .001 | 1,216 36.097 |
| 082 St. Clair | 21.750 | 16.180 | 4,379 | <.001 | 42,309 |
| 091 Union | 1.453 | .017 | 1.122 | .651 | 3.242 |
| 095 Washington | .622 | .415 | 2.180 | <.001 | 3,218 |
| 100 Williamson | 2.385 | 101.124 | .440 | 0 | 103.949 |
| . District total | 44, 288 | 306,601 | 20.297 | 1.790 | 372.975 |
| Southeast | | | | | |
| 024 Edwards | .133 | .753 | .615 | 0 | 1,502 |
| 028 Franklin | 14.869 | .957 | 1.729 | <.001 | 17.555 |
| 030 Gallatin | .578 | 2,169 | 2.507 | 0 | 5.254 |
| 033 Hamilton | .003 | .647 | .695 | <.001 | 1.346 |
| 035 Hardin | .261 | 1.146 | .282 | 0 | 1.690 |
| 041 Jefferson | .405 | 2.022 | 1.421 | 0 | 3,848 |
| 064 Massac | 1.436 | 551.372 | 1.562 | .384 | 554.754 |
| 076 Pope | .061 | 0 | .260 | 0 | .321 |
| 083 Satine | 2.593 | 4.034 | .534 | .001 | 7.163 |
| 093 Wabash | 2.098 | 1.512 | 1.286 | .002 | 4.897 |
| 096 Wayne | 1.373 | 2.151 | .956 | .001 | 4.481 |
| 097 White | 1.260 | 4.199 | 1,937 | 0 | 7.396 |
| District total | 25,071 | 570.963 | 13.785 | .388 | 610,206 |
| State total | 1797.071 | 34622.883 | 380.740 | 30,984 | 36831.679 |

Table 17. Total Ground Water Withdrawals, Estimated and Reported 1984

| District County | Public systems | Self-supplied industry | Rurai* | Fish and wildlife | Total |
|---------------------------|-------------------|------------------------|----------------|----------------------|-------------------|
| | (mgd) | (mgd) | (mgd) | (mgd) | (mgd) |
| Northwest | | | | | |
| 006 Bureau | 3.362 | 3.824 | 2.726 | < ,001 | 9.912 |
| 008 Carroll | 1.477 | 1.601 | 5.772 | .003 | 8.853 |
| 037 Henry | 3.808 | .033 | 6.354 | .011 | 10.206 |
| 043 Jo Daviess | 1.743 | 1.816 | 3.086 | .004 | 6.648 |
| 052 Lee | 4.404 | .335 | 10.233 | .002 | 14.974 |
| 066 Mercer | .904 | 0 | 2.617 | 0 | 3.521 |
| 071 Ogle | 5.153 - | 1.635 | 4.837 | .007 | 11.633 |
| 078 Pulnam | .392 | .186 | .856 | 0 | 1.434 |
| 081 Rock Island | 2.806 | 9,965 | 3.069 | 0 | 15.840 |
| 089 Stephenson | 5.722 | 2.109 | 4.360 | .005 | 12.196 |
| 098 Whiteside | 4.662 | 2.640 | 14.725 | .001 | 22.028 |
| 101 Winnebago | 33.791 | 5.004 | 7.831 | .006 | 46.633 |
| District total | 68.224 | 29,148 | 66.466 | .039 | 163.877 |
| Northeast | 2.700 | | 1.710 | | (001 |
| 004 Boone | 3.785 | 1.378 | 1.719 | 0 0 | 6,881 |
| 016 Cook | 84.570 | 16.096 | 19.056 | 0 | 119.722 10.095 |
| 019 DeKalb | 7.230 | .535 | 2.331 | 0 | 100.113 |
| 022 DuPage | 78.885 2.247 | 2.048 7.877 | 19,180 .836 | .001 | 10.961 |
| 032 Grundy 045 Kane | 27.891 | 1.998 | 3,787 | 0 | 33.676 |
| 047 Kendall | 1.824 | .821 | 3.013 | .003 | 5.661 |
| 049 Lake | 14.375 | 2.439 | 12.446 | .007 | 29.267 |
| 050 LaSatte | 10.398 | 6.403 | 1.342 | .031 | 18.173 |
| 056 McHenry | 11.751 | 2.945 | 11.215 | .052 | 25.964 |
| 099 Will | 30.549 | 7.610 | 12.173 | .002 | 50.335 |
| District total | 273.505 | 50,150 | 87,098 | .096 | 410.849 |
| West | | | | | |
| 001 Adams | 1,521 | 9.662 | 2,260 | .001 | 13.445 |
| 005 Brown | .062 | 0 | .406 | 0 | .468 |
| 029 Fulton | 1.017 | .137 | 2.385 | <.001 | 3,540 |
| 034 Hancock | .185 | < .001 | 1.966 | 0 | 2.151 |
| 036 Henderson | 6.955 | 0 | 4.895 | 0 | 11.849 |
| 048 K nox | 1.322 | .002 | 1.949 | 0 | 3.272 |
| 055 McDonough | .827 | .024 | 1.319 | <.001 | 2.170 |
| 085 Schuyler | .452 | Q. | .705 | <.001 | 1.157 |
| 094 Warren | 2.623 | 0 | 2.297 | . 0 | 4,921 |
| District total | 14.965 | 9.825 | 18.183 | .001 | 42,974 |
| Central | | | | a.= | |
| 020 DeWitt | 1.519 | .004 | .639 | .047 | 2.209 |
| 054 Logan | 3.339 | .060 | 1.059 | 0 007 | 4.458 |
| 057 McLean | 5.034 | .897 | 5.976 | .007 | 11.914 |
| 058 Macon | 1.187 | .012 | 1.426 | <.001 | 2.625 |
| 062 Marshall | 1.268 | 1.022 | 2.352 | <.001 | 4.642 |
| 063 Mason | 1.044 | .658 | 75.661 | 5.875 | 83.239 1.386 |
| 065 Menard | .756 | 0 | .630 | <.001 .001 | 35.439 |
| 072 Peoria | 15.761 .434 | 14.812 0 | 4.864 .554 | 0 | .988 |
| 088 Stark 090 Tazewell | 13,321 | 5.877 | 13.925 | <.001 | 33.123 |
| 102 Woodford | 1.549 | .003 | 2.252 | .001 | 3.805 |
| District total | 45,212 | 23.345 | 109,339 | 5.932 | 183,828 |
| East | | | | | |
| 010 Champaign | 19.584 | 5,488 | 3.222 | 100. | 28.294 |
| 027 Ford | 1.496 | 0 | .641 | 0 | 2.137 |
| 038 Iroquois | 2.215 | .096 | 3.074 | <.001 | 5,385 |
| 046 Kankakee | 1.996 | .207 | 6.996 | .002 | 9,200 |
| 053 Livingston | 1,616 | .055 | 1.916 | 0 | 3.586 |
| 074 Piatt | 2.155 | .967 | .654 | .012 | 3.789 |
| 092 Vermilion | 1,362 | 3.312 | .998 | .017 | 5.689 |
| District total | 30.422 | 10.125 | 17,501 | .032 | 58,080 |

Table 17. (Concluded)

| District | Public | Self-supplied | D/4 | Fish and | Total |
|-------------------------------|--------------------------|-------------------|------------------------|-------------------|------------------|
| County | systems (mgd) | industry (mgd) | Rural* (mgd) | wildlife (mgd) | Total (mgd) |
| W. Southwest | | | | | |
| 003 Bond | .061 | .042 | 1.059 | 0 | 1.162 |
| 007 Calhoun | .345 | 0 | .615 | 0 | .960 |
| 009 Cass | 1.455 | .830 | 2.079 | 0 | 4.363 |
| 011 Christian | 1.114 | .560 | .924 | .009 | 2.607 |
| 031 Greene | .390 | .002 | 2.212 | 0 | 2.604 |
| 042 Jersey | 1.031 | 0 | 1.205 | .031 | 2.267 |
| 059 Macoupin | .017 | 0 | 2.370 | . 00 1 | 2.389 |
| 060 Madison | 11.685 | 36.953 | 6.646 | <.001 | 55.284 |
| 068 Montgomery | .513 | .023 | 1.337 | 0 | 1.874 |
| 069 Morgan | .075 | 5.485 | 2.033 | 0 | 7.594 |
| 075 Pike | .755 | .030 | 3.013 | 0 | 3.799 |
| 084 Sangamon 086 Scott | 2.283 4.696 | <.001 0 | 1. 545 1.635 | 0 0 | 3.828 . 6.332 |
| District total | 24.421 | 43.924 | 26.676 | .041 | 95.063 |
| E. Southeast | | | | | |
| 012 Clark | 1.238 | .200 | 3.836 | 0 | 5,275 |
| 013 Clay | 0 | 1.148 | .927 | 0 | 2.074 |
| 015 Coles | .360 | .254 | .491 | .001 | 1.105 |
| 017 Crawford | 2.377 | 5.990 | 1,091 | 0 | 9.458 |
| 018 Cumberland | .269 | .215 | .879 | 0 | 1.362 |
| 021 Douglas | .993 | .030 | .707 | .009 | 1.738 |
| 023 Edgar | .402 | .051 | 1.140 | 0 | 1.594 |
| 025 Effingham | . 229 | .244 | 1.724 | 0 | 2.197 |
| 026 Fayette | .099 | 6.591 | 1,401 | <.001 | 8.091 |
| 040 Jasper | .405 | .605 | 1.008 | <.001 | 2.018 |
| 051 Lawrence | 1.208 | 6.385 | 4.067 | <.001 | 11.660 |
| 061 Marion | .026 | 10,813 | 1.185 | 0 | 12.024 |
| 070 Moultrie | .941 | 0 | .747 | <.001 | 1.688 |
| 080 Richland | .103 | .947 | .583 | 0 | 1.633 |
| 087 Shelby | 1.102 | .350 | 1.609 | <.001 | 3.062 |
| District total | 9. 7.52 | 33,822 | 21.394 | .011 | 64, 980 |
| Southwest | *** | 214 | | | |
| 002 Alexander | .360 | .013 | .709 | .107 | 1.188 |
| 014 Clinton | .226 | .562 | 2.640 | 0 | 3,428 |
| 039 Jackson | .103 | .060 | 1.246 | .897 | 2.306 |
| 044 Johnson | .025 | 0 | 1.102 | 0 | 1,127 |
| 067 Monroe | .104 | .001 | 1.966 | 0 | 2.071 |
| 073 Perry | .051 .70 6 | .034 0 | 2.082 | <.001 0 | 2.168 |
| 077 Pulaski | .843 | <.001 | .510 | | 1.216 |
| 079 Randolph 082 St. Clair | .196 | 14.307 | 1.921 4,379 | <.001 <.001 | 2.765 18.883 |
| 091 Union | 1.304 | .014 | 1.122 | .651 | 3.091 |
| 095 Washington | .108 | .402 | 2.180 | <.001 | 2.691 |
| 100 Williamson | 0 | .035 | .440 | 0 | .476 |
| District total | 4.027 | 15.429 | 20, 297 | 1.656 | 41.409 |
| Southeast | | | | | |
| 024 Edwards | .025 | .753 | .615 | 0 | 1.394 |
| 028 Franklin | .010 | .531 | 1.729 | 0 | 2.269 |
| 030 Gallatin | .537 | 1.534 | 2.507 | 0 | 4.578 |
| 033 Hamilton | .003 | .554 | .695 | <.001 | 1.253 |
| 035 Hardin | .085 | 1.133 | .282 | 0 | 1.500 |
| 041 Jefferson | 0 | .487 | 1.421 | 0 | 1.907 |
| 064 Massac | 1.436 | 6.372 | 1.562 | .384 | 9.754 |
| 076 Pope | 0 | 0 | .260 | 0 | .260 |
| 083 Saline | 0 | .340 | .534 | 0 | .875 |
| 093 Wabash | .762 | 1.491 | 1.286 | .002 | 3.541 |
| 096 Wayne | .189 | 2.143 | .956 | .001 | 3.289 |
| 097 White | 1.260 | 3.964 | 1.937 | 9 | 7.161 |
| District total | 4.308 | 19.301 | 13,785 | .387 | 37,781 |
| State total | 474.835 | 235.069 | 380.740 | 8.196 | 1098.840 |

^{*}Includes estimated rural water withdrawals regardless of source. Figures may not add to totals because of independent rounding.

Table 18. Total Surface Water Withdrawals, Reported 1984

| District | Public | Self supplied | Fish and | T . # |
|-----------------|------------------|-------------------|-------------------|-----------------|
| County | systems (mgd) | industry (mgd) | wildlife (mgd) | Total* (mgd) |
| Northwest | | | | |
| 006 Bureau | 0 | 13.512 | 0 | 13.512 |
| 008 Carroll | 0 | 0 | 0 | 0 |
| 037 Henry | Ō | 0 | Ō | 0 |
| 043 Jo Daviess | 0 | 0 | 0 | 0 |
| 0S2 Lee | Ö | 1.793 | Ō | 1.793 |
| 066 Mercer | ŏ | 0 | ŏ | 0 |
| 071 Ogle | . 0 | 10.411 | ŏ | 10.411 |
| 078 Putnam | 0 | 179.322 | ŏ | 179,322 |
| 081 Rock Island | 17.221 | 892.320 | ŏ | 909.541 |
| | | 0 | ő | 0 |
| 089 Stephenson | 0 | | | |
| 098 Whiteside | 0 | 1.627 | 0 | 1.627 |
| 101 Winnebago | 0 | 735.160 | 0 | 735.160 |
| District total | 17.221 | 1834.145 | Ø | 1851.366 |
| Northeast | | | | |
| 004 Boone | 0 | .137 | 0 | .137 |
| 016 Cook | 1029.304 | 944.679 | 0 | 1973.982 |
| 019 DeKalb | 0 | 2.754 | 0 | 2.754 |
| 022 DuPage | 0 | 2.890 | 0 | 2.890 |
| 032 Grundy | Ō | 1902.536 | 0 | 1902.536 |
| 045 Kane | 5.438 | 1,300 | 0 | 6.738 |
| 047 Kendall | 0 | 0 | ŏ | 0 |
| 049 Lake | 35,475 | 1945,361 | ŏ | 1980,836 |
| | 0 | 2246.475 | ŏ | 2246,475 |
| 050 LaSalle | | | 0 | 1,246 |
| 056 McHenry | 0 | 1.246 | | |
| 099 Will | 0 | 3544,726 | <.001 | 3544.726 |
| District total | 1070,217 | 10592.103 | < .001 | 11662.320 |
| West | | | _ | |
| 001 Adams | 6.596 | 0 | 0 | 6.596 |
| 005 Brown | 0 | 0 | 0 | 0 |
| 029 Fulton | 1.437 | 260.022 | 15.925 | 277.384 |
| 034 Hancock | .985 | 17284.822 | 0 | 17285.807 |
| 036 Henderson | 0 | 0 | 0 | 0 |
| 048 Knox | 0 | 0 | 0 | 0 |
| 055 McDonough | 2.517 | Ô | Ö | 2.517 |
| 085 Schuyler | 0 | 0 | 0 | 0 |
| 094 Warren | Ŏ | Ö | Ō | Ō |
| District total | 11.535 | 17544,844 | 15.925 | 17572,304 |
| Central | | | | |
| 020 DeWitt | 0 | 31.995 | 0 | 31.995 |
| 054 Logan | Ö | .005 | 0 | .005 |
| 057 McLean | 6.964 | 0 | Ď | 6.964 |
| 058 Macon | 26.996 | 6.384 | ŏ | 33.379 |
| 062 Marshall | 0 | 0 | ŏ | 0 |
| 063 Mason | ŏ | 32.877 | 1.788 | 34.665 |
| | ő | 0 | 0 | 0 |
| 065 Menard | | | | |
| 072 Peoria | 6.656 | 333.956 | 0 | 340.613 |
| 088 Stark | 0 | 0 | 0 | 0 |
| 090 Tazewell | .526 | 715.886 | 0 | 716.412 |
| 102 Woodford | 1.712 | 0 | 0 | 1.712 |
| District total | 42.855 | 1121.102 | 1,788 | 1165,745 |
| East | | | | |
| 010 Champaign | 0 | 4.505 | 0 | 4.505 |
| 027 Ford | 0 | .062 | 0 | .062 |
| 038 Iroquois | 0 | 0 | 0 | 0 |
| 046 Kankakee | 10.380 | 0 | 0 | 10.380 |
| 053 Livingston | 4.814 | 0 | 0 | 4.814 |
| 074 Piatt | 0 | .164 | Ō | .164 |
| 092 Vermilion | 8.502 | 2.000 | Ò | 10.502 |
| District total | 23.695 | 6.732 | 0 | 30.427 |
| | | | | |

Table 18. (Concluded)

| District County | Public systems | Self supplied industry | Fish and wildlife | Total* |
|--------------------------------|-------------------|------------------------|----------------------|-----------------------------|
| | (mgd) | (mgd) | (mgd) | (mgd) |
| W. Southwest | | | | |
| 003 Bond | .774 | .230 | 0 | 1.004 |
| 007 Calhoun | 0 | 0 | .403 | .403 |
| 009 Cass | .269 | 0 | 213 | .483 |
| 011 Christian | 2.156 | 684.819 | 0 | 686.975 |
| 031 Greene 042 Jersey | .316 0 | 0 0 | 0 1.017 | .316 1.017 |
| 059 Macoupin | 3.733 | 1.769 | 0 | 5.502 |
| 060 Madison | 46,799 | 346.368 | ŏ | 393,166 |
| 068 Montgomery | 2.063 | 403.561 | Ŏ | 405.623 |
| 069 Morgan | .340 | 179.178 | 0 | 179.518 |
| 075 Pike | .460 | 20.964 | 0 | 21.424 |
| 084 Sangamon | 19.804 | 301.786 | 0 | 321.590 |
| 086 Scott | 0 | 0 | 0 | 0 |
| District total | 76.715 | 1938,674 | 1.633 | 2017.022 |
| E. Southeast | | | | |
| 012 Clark | 0 | 0 | <.001 | <.001 |
| 013 Clay | .853 | 0 | . 0 | .853 |
| 015 Coles | 5.952 | .151 | 0 | 6.103 |
| 017 Crawford 018 Cumberland | 0 0 | 106.267 0 | 0 0 | 106.267 |
| 021 Douglas | ő | 8.974 | 0 | 0 8.974 |
| 021 Edgar | 1.434 | 0.574 | Ö | 1.434 |
| 025 Effingham | 1.784 | ŏ | ŏ | 1.784 |
| 026 Fayette | 1.181 | ŏ | .029 | 1,210 |
| 040 Jasper | 0 | 390.664 | 0 | 390,664 |
| 051 Lawrence | 0 | .004 | 0 | .004 |
| 061 Marion | ` 5.218 | 1.322 | .002 | 6.542 |
| 070 Moultrie | 0 | 0 | 3.276 | 3.276 |
| 080 Richland | 1.299 | Õ | 0 | 1.299 |
| 087 Shelby | 1.251 | 0 | 0 | 1.251 |
| District total | 18.973 | 507.382 | 3,307 | 529,661 |
| Southwest | | _ | | |
| 002 Alexander | 1.252 | 0 | .133 | 1.385 |
| 014 Clinton | 1.235 | 1.716 | 0 | 2.950 |
| 039 Jackson | 8.662 | 143,104 | 0 | 151.766 |
| 044 Johnson 067 Monroe | .413 .417 | .002 | 0 0 | .415 |
| 073 Perry | .597 | 13,126 | 0 | .417 13, 7 23 |
| 077 Pulaski | 0.377 | 0 | 0 | 0 |
| 079 Randolph | 3.086 | 30,246 | ŏ | 33.333 |
| 082 St. Clair | 21.554 | 1.873 | ŏ | 23,427 |
| 091 Union | .149 | .003 | Ŏ | .152 |
| 095 Washington | .514 | .013 | 0 | .527 |
| 100 Williamson | 2.385 | 101.088 | 0 | 103,473 |
| District total | 40.261 | 291.172 | .133 | 331.566 |
| Southeast | | | | ٠. |
| 024 Edwards | .108 | 0 | . 0 | .108 |
| 028 Franktin | 14.859 | .426 | <.001 | 15.285 |
| 030 Gallatin | .041 | .636 | 0 | .676 |
| 033 Hamilton | 0 | .093 | 0 | .093 |
| 035 Hardin | .176 | .013 | 0 | .189 |
| 041 Jefferson 064 Massac | .405 0 | 1.535 | 0 | 1.941 |
| 076 Pope | • | 545.000 | 0 | 545.000 |
| 083 Saline | .061 2.593 | 0 3.694 | 0 .001 | .061 |
| 093 Wabash | 1.336 | .021 | 0 | 6.288 1.357 |
| 096 Wayne | 1.184 | .008 | 0 | 1.192 |
| 097 White | 0 | .236 | Õ | .236 |
| District total | 20, 763 | 551.661 | .001 | 572.426 |
| State total | 1322.236 | 34387.814 | 22.788 | 35732.838 |
| | | _ | | |

'Rural water withdrawals not included, see table 17 and page 7. Figures may not add to totals because of independent rounding.

Table 19. Estimated Ground Water Withdrawals from Major Geohydrologic Systems, Excluding Rural Domestic and Livestock, 1984

| | | | 4 . 15 | | | | | |
|--------------------------------|----------------|---------------|------------------------|---------------------|-----------|--|--|--|
| | Sand and | Mississippian | Aquifer : Silurian- | system Cambrian- | | | | |
| District | gravel | Pennsylvanian | Devonian | Ordovician | Total | | | |
| County | (mgd) | (mgd) | (mgd) | (mgd) | (mgd) | | | |
| N | | | | | | | | |
| Northwest 006 Bureau | 4 407 | 0 | .112 | 1.365 | 8.084 | | | |
| | 6.607 4.820 | 0 | .253 | 1,752 | 6.826 | | | |
| 008 Carroll 037 Henry | 3.532 | .003 | 1.177 | 1.732 | 6.663 | | | |
| • | 2.213 | 0 | 0 | 1.577 | 3.790 | | | |
| 043 Jo Daviess 052 Lee | 2.213 8.679 | 0 | ,504 | 4.568 | 13.751 | | | |
| 066 Mercer | .917 | Ŏ | .383 | .352 | 1.653 | | | |
| 071 Ogle | .917 | 0 | .398 | 7.900 | 8.305 | | | |
| 078 Putnam | .979 | .041 | . 570 0 | ,175 | 1,194 | | | |
| | 7.934 | .041 | 3.405 | 2.981 | 14.319 | | | |
| 081 Rock Island | 7.934 2.541 | 0 | .142 | 5.843 | 8.525 | | | |
| 089 Stephenson | 13.514 | 0 | .453 | 4,602 | 18.569 | | | |
| 098 Whiteside 101 Winnebago | 16.331 | 0 | 1.310 | 23.788 | 41.428 | | | |
| · | | <u> </u> | | | | | | |
| District total | 68.075 | .044 | 8.137 | 56.853 | 133,109 | | | |
| Northeast 004 Boone | .884 | 0 | .050 | 4.517 | 5.451 | | | |
| | | 0 | 39.980 | 67,272 | 114.669 | | | |
| 016 Cook | 7.416 | | | 7,843 | 8.306 | | | |
| 019 DeKalb | .113 | 0 | .350 | | 89.663 | | | |
| 022 DuPage | 3.416 | 0 | 54.566 0 | 31.681 9.490 | 10.298 | | | |
| 032 Grundy | .731 | .077 | 2.732 | 22.123 | 31.815 | | | |
| 045 Kane | 6.960 | 0 | | | | | | |
| 047 Kendall | .898 | 0 | .118 | 1.735 | 2.751 | | | |
| 049 Lake | 5.894 | 0 | 6.326 | 9.469 | 21.690 | | | |
| 050 LaSalle | 2.305 | 0 | .136 | 14,711 | 17.152 | | | |
| 056 McHenry | 9.413 | 0 | 4.062 | 4.797 | 18.272 | | | |
| 099 Will | 2.544 | .005 | 17.286 | 21.626 | 41.461 | | | |
| District total | 40.575 | .082 | 125.605 | 195, 265 | 361.528 | | | |
| West | | | _ | _ | | | | |
| 001 Adams | 10.902 | .375 | 0 | 0 | 11.278 | | | |
| 005 Brown | .050 | .012 | 0 | 0 | .062 | | | |
| 029 Fulton | 1.138 | .100 | 0 | .555 | 1.793 | | | |
| 034 Hancock | .367 | .021 | <.001 | 0 | .388 | | | |
| 036 Henderson | 10.722 | .081 | 0 | .045 | 10.848 | | | |
| 048 Knox | 0 | .087 | .279. | .961 | 1.327 | | | |
| 055 McDonough | .047 | .103 | .094 | .607 | .851 | | | |
| 085 Schuyler | .488 | .012 | 0 | 0 | .499 | | | |
| 094 Warren | .121 | .020 | .053 | 2.429 | 2.623 | | | |
| District total | 23.835 | .812 | .426 | 4.597 | 29.669 | | | |
| Central | | | | | | | | |
| 020 DeWitt | 1,610 | 0 | 0 | 0 | 1.610 | | | |
| 054 Logan | 3.399 | 0 | 0 | 0 | 3.399 | | | |
| 057 McLean | 6.274 | 0 | 0 | .187 | 6.461 | | | |
| 058 Macon | 1.199 | 0 | 0 | 0 | 1.199 | | | |
| 062 Marshall | 3.588 | 0 | 0 | .242 | 3.830 | | | |
| 063 Mason | 88.178 | 0 | 0 | 0 | 88.178 | | | |
| 065 Menard | .756 | 0 | 0 | 0 | .756 | | | |
| 072 Peoria | 32.664 | .034 | .024 | 1.329 | 34,051 | | | |
| 088 Stark | 0 | 0 | .082 | .352 | .434 | | | |
| 090 Tazewell | 31.424 | 0 | 0 | 0 | 31.424 | | | |
| 102 Woodford | 2.059 | <.001 | 0 | .162 | 2.221 | | | |
| District total | 171.151 | .034 | .106 | 2.271 | 173.562 | | | |
| East 010 Champaign | 25.401 | 0 | 0 | 0 | 25,401 | | | |
| 010 Champaign | | ő | .031 | 0 | 1.620 | | | |
| 027 Ford | 1.589 2.708 | 0 | .873 | 0 | 3.581 | | | |
| 038 Iroquois | ,099 | 0 | 7.155 | .031 | 7.286 | | | |
| 046 Kankakee 053 Livingston | 1.463 | ő | .007 | .201 | 1.671 | | | |
| 074 Piatt | 3.171 | Ů | 0 | 0 | 3.171 | | | |
| 092 Vermilion | 4.635 | .019 | .061 | ő | 4.716 | | | |
| District total | 39,067 | .019 | 8.128 | . 232 | 47,445 | | | |
| | | | | | · · · · · | | | |

Table 19. (Concluded)

| Description Same and Missassiphina Combine Com | | | | Aquifer system | | |
|---|----------------|----------|---------------|----------------|------------|---------|
| Direct County | | Sand and | Mississippian | | Cambrian- | |
| V. Southwest 148 | District | gravel | | Devonian | Ordovician | Total |
| March Marc | County | (mgd) | (mgd) | (mgd) | (mgd) | |
| March Marc | W. Southwest | | | | | |
| 007 Cahoun 367 0 | | .148 | .004 | 0 | 0 | .152 |
| 000 0 | | | | | | |
| Oil Cristian 1,228 1,39 336 0 1,713 031 Greene 1,108 0.002 3.099 0 1,419 042 Jeriesy 1,564 0.044 0 0 0 1,608 0.099 0 | | | | - | | |
| 031 Greene 1.108 0.02 309 0 1.449 042 107 0 0 1.469 042 Jetrey 1.564 0.044 0 0 0 0 3.034 069 Mission 1.004 0 0 0 0 3.034 069 Mission 49.870 0.53 0.766 0 0 5.0000 068 Mission 1.279 0.023 0 0 0 1.279 0.023 0 0 0 1.279 0.023 0 0 0 1.279 0.023 0 0 0 1.279 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.026 0.025 0.025 0.026 0.025 | | | · · | - | | |
| 042 Pariety 1.564 .044 0 0 1.608 .059 Macoupin .304 0 0 0 .304 .060 Modison 49,870 .053 .076 0 .50000 .068 Montgomery .529 .023 0 0 .552 .069 Morgan .6419 0 0 0 0 .2472 .068 Montgomery .529 .023 0 0 0 .542 .068 Montgomery .529 .023 0 0 0 .542 .068 Montgomery .529 .023 0 0 0 .2472 .068 Montgomery .2472 .078 Montgomery .2472 .2472 .2472 .078 Montgomery .2472 | | | | | | |
| 695 Macoupin .304 0 0 .304 600 Molision 49,870 .053 .076 0 .5000 688 Montgomery .559 .023 0 0 .552 609 Morgan 6.419 0 0 0 1.147 968 Scott 2.699 0 1.27 0 0 3.826 Bestimen 2.699 1.27 0 0 3.826 1.414 966 Scott 2.699 1.27 0 0 7.826 1.414 Bestimen 3.964 .382 0 .023 4.369 1.212 0 0 1.226 1.269 1.226 0 0 1.237 0 1.269 1.269 1.269 1.262 0 0 1.232 0 0 1.232 0 0 1.232 0 1.242 0 0 1.232 0 1.242 0 0 1.232 0 1.242 0 0 1. | | | | | - | |
| 600 Madison 49,870 .053 .076 0 50,000 608 Monigomery .529 .023 0 0 .6419 075 Frike 1.691 .054 0 0 1.747 084 Sangamon 2.472 0 0 0 2.472 086 Scott 5.699 .127 0 0 75.818 E. Southeast 0 0 .2472 0 0 75.818 E. Southeast 012 Clark 3.964 .382 0 0 1.237 013 Clay .208 1.028 0 0 1.237 0 .676 013 Clay .208 1.028 0 0 .8694 0 0 .8694 013 Clay .208 1.028 0 0 .676 0 0 .8694 013 Clay .208 .591 .035 0 0 .672 0 1 .101 0 .672 0 1 | | | | · · | | |
| 666 Montgomery 5.29 0.23 0 0 552 669 Morgan 6.419 0 0 0 6.419 075 Pike 1.691 0.54 0 0 1.747 084 Sangamon 2.472 0 0 0 2.472 086 Scott 5.699 1.27 0 0 0 2.472 086 Scott 5.699 1.27 0 0 0 2.472 086 Scott 3.564 382 0 0.023 4.369 013 Clay 2.08 1.028 0 0 1.237 015 Coles 5.91 .035 0 0 6.60 017 Crewford 5.792 2.903 0 0 8.694 018 Cumberland .376 1.47 0 0 5.522 21 Douglas .504 .028 .508 0 1.041 222 Edgar 4.33 .051 0 0 .522 2 | | | • | | | |
| 609 Morgan 6.419 0 0 0 1.747 075 Pike 1.693 .054 0 0 1.747 086 Scott 5.699 .127 0 0 0 2.472 086 Scott 5.699 .127 0 0 5.826 District total 75.013 .447 .721 0 76.181 E. Suntheast E. Suntheast 8 0 0 023 4.369 012 Clark .3064 .382 0 0 023 4.369 012 Clark .208 1.028 0 0 0 6.264 012 Clark .208 1.088 0 0 1.227 0 015 Cole .591 .035 0 0 6.264 0 0 5.262 0 1.272 0 0 1.262 0 1.272 0 0 1.282 0 0 1.041 0 0 .5 | | | | | - | |
| 075 Pixe 1,693 054 0 0 1,747 0 0 2,472 0 0 0 2,472 0 0 0 2,472 0 0 0 2,472 0 0 0 2,472 0 0 0 2,472 0 0 0 2,472 0 0 0 2,472 0 0 0 5,226 0 0 0 5,226 0 0 0 0 7,618 0 <td></td> <td></td> <td></td> <td>•</td> <td>-</td> <td></td> | | | | • | - | |
| 084 Sangamon 2.472 0 0 0 2.472 086 Scott 5.699 1.127 0 0 5.826 Diswict total 75.613 .447 .721 0 76.181 E. Southeast | | | | | | |
| Bost Southeast Southeast | | | | | | |
| District total Dist | | | _ | | - | |
| District total Dist | District total | 75.013 | 447 | 721 | 0 | 76 181 |
| 012 Ctark | • | 75.013 | .,,,, | ./21 | v | 70.707 |
| 013 Clay | | 3.074 | 305 | • | | |
| 015 Coles | | | | | | |
| 017 Crawford | | | | | - | |
| 018 Cumberland 376 147 0 0 5.22 021 Douglas 504 028 508 0 1041 022 Edgar 433 051 0 0 484 025 Effigham 354 1218 002 0 5.75 026 Fayette 2.34 6.516 0 0 0 6.750 026 Fayette 2.34 6.516 0 0 0 6.750 026 Fayette 4.902 6.128 0 0 11.010 051 Lawrence 4.902 6.128 0 0 11.010 051 Lawrence 4.902 6.128 0 0 11.010 051 Lawrence 9.91 0.941 0 0 0 19.91 060 Martino 6.95 5.296 4.927 0 110.918 060 Richland 0.29 1.021 0 0 0 1.050 067 Shetby 1.718 .030 0 0 1.748 068 Richland 0.29 1.021 0 0 0 1.050 067 Shetby 1.718 .030 0 0 1.748 District total 21.135 24.399 5.437 .023 50.995 Southwest 0.02 Alexander 1.163 .046 0 0 0 1.209 014 Clinton .527 .115 2.68 .002 9.912 019 Jackson 2.104 0 0 0 0 2.104 044 Johnson 0 .025 0 0 0 .025 067 Monroe 5.69 .001 0.10 0 .380 073 Perry 2.66 .086 0 0 .352 077 Pulaski 2.00 0 .560 0 .759 079 Randolph 4.91 .723 0 0 0 1.214 082 St. Clsir 15.321 .004 0 0 0 .352 079 Pulaski 2.00 0 .560 0 .759 099 Washington 1.54 .3323 0.11 0.023 5.11 000 Williamson 0.028 .029 0 0 .057 District total 2.3.051 1.912 848 .025 25.837 Southeast 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 | | | | • | | |
| 021 Douglas 504 .028 .508 0 1.041 021 Edgar .433 .051 0 .484 025 Edgar .334 .218 .002 0 .575 .026 Fayerte .234 .6516 0 0 .6759 .040 Jasper .394 .617 0 0 1.010 .051 Lawrence 4.902 .6128 0 0 11.030 .061 Marton .695 5.296 4.927 0 10.918 .070 Moultrie .941 <.0001 | | | | | | |
| 023 Edgar 433 051 0 0 484 025 Effingham 354 218 002 0 5.75 026 Fayette 234 6.516 0 0 0 6.750 026 Fayette 234 6.516 0 0 0 6.750 040 Jasper 394 617 0 0 0 1.010 051 Lawrence 4.902 6.128 0 0 1.00 061 Marion 6.95 5.296 4.927 0 10.918 070 Mouttrie 9.44 <.001 0 0 .9.41 080 Richland 0.29 1.021 0 0 0 .9.41 080 Richland 0.29 1.021 0 0 0 1.050 087 Shetby 1.718 .030 0 0 0 1.209 087 Shetby 1.718 .030 0 0 0 1.209 097 Alexander 1.163 .046 0 0 0 1.209 097 Alexander 1.163 .046 0 0 0 1.209 097 Alexander 1.163 .046 0 0 0 2.104 097 Jackson 2.104 0 0 0 0 2.104 097 Jackson 2.104 0 0 0 0 0.25 097 Morroe 5.69 .001 .010 0 5.80 097 Pandolph 491 .723 0 0 0 0.352 097 Pulaski 200 0 0 .560 0 0 .352 097 Pulaski 200 0 0 .560 0 0 .759 099 Randolph 491 .723 0 0 0 1.214 092 St. Clair 15.321 .004 0 0 0 1.323 097 Pulaski 200 0 0 .560 0 0 .759 099 Washington 1.54 .333 .011 .023 .511 090 Williamson 1.54 .333 .011 .023 .511 100 Williamson 1.528 .028 .029 0 .057 District total 23.051 1.912 .848 .025 .25.837 Southeast 094 Edwards 4.15 .364 0 0 0 .778 095 Washington 1.54 .333 .011 .023 .511 100 Williamson .028 .029 0 .057 District total 23.051 1.912 .848 .025 .25.837 Southeast 094 Edwards 4.15 .364 0 0 0 .778 093 Franklin .026 .515 0 0 0 .538 094 Washington .154 .214 0 0 0 .538 095 Washington .4164 .214 0 0 0 .538 093 Franklin .026 .515 0 0 0 .538 094 Washington .027 .531 0 0 0 .541 094 Licherson .064 .482 0 0 .541 094 Licherson .064 .482 0 0 0 .541 094 Licherson .064 .482 0 0 0 .548 094 Hardin .066 .1211 0 0 0 .538 095 Washington .055 .306 0 0 .340 093 Washah .1.702 .696 0 0 0 .238 097 White .3.145 .3.377 0 0 0 .2333 097 White .3.145 .3.377 0 0 0 .2333 097 White .3.145 .3.377 0 0 0 .5225 | | | | - | • | |
| 025 Effingham 354 218 ,002 0 ,575 026 Fayere 224 6,516 0 0 6,759 040 Jasper 394 617 0 0 1,010 051 Lawrence 4,902 6,128 0 0 11,010 061 Marion .695 5,296 4,927 0 10,918 079 Moultrie .941 <,001 | | | | | * | |
| 026 Fayetire 234 6.516 0 0 6.750 040 Jasper 394 617 0 0 1.010 051 Lawrence 4.902 6.128 0 0 11.030 061 Maricen .695 5.296 4.927 0 10.918 070 Moultrie .941 <.001 | | | | _ | | |
| 040 Jasper .394 .617 0 0 1010 051 Lawrence 4.902 .6128 0 0 11.030 061 Marion .695 5.296 4.927 0 10.918 070 Moultrie .941 <.001 | | | | | | .575 |
| 051 Lawrence 4,902 6,128 0 0 11,030 061 Marine 6,955 5,296 4,927 0 10,918 070 Moultrie 941 <,001 | | | 6.516 | 0 | 0 | 6.750 |
| 061 Martion 695 5,296 4,927 0 10,918 070 Moutirie 941 <,001 | 040 Jasper | | .617 | 0 | 0 | 1.010 |
| 070 Mouttrie 941 < 001 | | | 6.128 | 0 | 0 | 11.030 |
| 088 Richland 0.29 1.021 0 0 1.050 087 Shetby 1.718 0.30 0 0 1.050 O87 Shetby 1.135 24.399 5.437 .023 50.995 Southwest 002 Alexander 1.163 .046 0 0 1.209 014 Clinton .527 .115 .268 .002 .912 039 Jackson 2.104 0 0 0 .2104 044 Johnson 0 0 0 .025 0 0 .025 067 Monroe .569 .901 .010 0 .352 0 0 .352 077 Pulaski .200 0 .560 0 .759 0 .352 077 Pulaski .200 0 .560 0 .759 0 0 .1532 082 St. Clair 15.321 .004 0 0 .15325 0 0 1.214 082 | 061 Marion | .695 | 5.296 | 4.927 | 0 | 10.918 |
| 087 Shetby 1:718 .030 0 0 1:748 District total 21:115 24:399 5.437 .023 50:995 Southwest 002 21:115 268 .002 .912 014 Clinton .527 .115 .268 .002 .912 039 Jackson 2:104 0 0 0 .2104 044 Johnson 0 .025 0 0 .025 067 Monroe .569 .001 .010 0 .580 073 Petry .266 .086 0 0 .352 077 Pulaski .200 0 .560 0 .759 079 Randolph .491 .723 0 0 1.522 082 St. Clair 15,321 .004 0 0 1.5325 091 Union 2.228 .561 0 0 1.5325 091 Union 2.228 .561 0 0 0.57 District total </td <td></td> <td>.941</td> <td><.001</td> <td>0</td> <td>0</td> <td>.941</td> | | .941 | <.001 | 0 | 0 | .941 |
| District total 21.115 24.399 5.437 .023 50.995 | 080 Richland | .029 | 1.021 | 0 | 0 | 1.050 |
| Southwest OUZ Alexander 1.163 .046 .0 .0 .1.209 OUZ Alexander .1.163 .046 .0 .0 .1.209 OUZ Alexander .1.163 .046 .0 .0 .1.209 OUZ Alexander .1.163 .046 .0 .0 .0 OUZ | 087 Shelby | 1:718 | .030 | 0 | 0 | |
| 002 Alexander 1.163 .046 0 0 1.209 014 Clinton .527 .115 .268 .002 .912 .039 Jackson 2.104 0 0 0 2.104 .04 Johnson 0 .025 0 0 .025 .067 Monroe .569 .001 .010 0 .580 .073 Perry .266 .086 0 0 .352 .077 Pulaski .200 0 .560 0 .759 .077 Pulaski .200 0 .560 0 .759 .077 Pulaski .200 0 .560 0 .759 .077 Pulaski .200 0 .560 0 .759 .077 Pulaski .200 0 .560 0 .759 .078 Port .0154 .323 .011 .023 .511 .082 St. Clair .154 .323 .011 .023 .511 .000 Williamson <td>District total</td> <td>21.135</td> <td>24.399</td> <td>5.437</td> <td>.023</td> <td>50.995</td> | District total | 21.135 | 24.399 | 5.437 | .023 | 50.995 |
| 614 Clinton .527 .115 .268 .002 .912 039 Jackson 2.104 0 0 0 2.104 044 Johnson 0 .025 0 0 .025 067 Monroe .569 .901 .010 0 .580 073 Perry .266 .086 0 0 .352 077 Pulaski .200 0 .560 0 .759 079 Randolph .491 .723 0 0 1.214 082 St. Clair 15.321 .004 0 0 15.325 091 Union 2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast 024 Edwards .415 .364 0 | Southwest | | | | | |
| 014 Clinton .527 .115 .268 .002 .912 039 Jackson 2.104 0 0 0 2.104 044 Johnson 0 .025 0 0 .025 067 Monroe .569 .001 .010 0 .580 073 Perry .266 .086 0 0 .352 077 Pulaski .200 0 .560 0 .759 079 Randolph .491 .723 0 0 1.214 082 St. Clair 15.321 .004 0 0 15.325 091 Union 2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast 024 Edwards .415 .364 0 | 002 Alexander | 1.163 | .046 | 0 | 0 | 1.209 |
| 039 Jackson 2,104 0 0 0 2,104 044 Johnson 0 0 0.25 0 0 0.25 067 Monroe .569 .001 .010 0 .580 073 Perry .266 .086 0 0 0 .352 977 Pulaski .200 0 .560 0 .759 0 .759 0 0 .1214 0 0 1.214 0 0 0 1.214 0 0 0 1.214 0 0 0 1.214 0 0 0 1.214 0 0 0 1.214 0 0 0 1.214 0 0 0 1.214 0 0 0 2.789 0 0 0 2.789 0 0 0 2.789 0 0 0 2.789 0 0 0 2.789 0 0 0 0 0 0 0 | 014 Clinton | .527 | .115 | .268 | .002 | |
| 044 Johnson 0 .025 0 0 .025 067 Monroe .569 .001 .010 0 .580 073 Perry .266 .086 0 0 .352 077 Pulaski .200 0 .560 0 .759 079 Randolph .491 .723 0 0 1.214 082 St. Clair 15,321 .004 0 0 0 1.214 082 St. Clair 15,321 .004 0 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast | 039 Jackson | 2.104 | 0 | 0 | 0 | |
| 667 Monroe .569 .001 .010 0 .580 073 Perry .266 .086 0 0 .352 077 Pulaski .200 0 .560 0 .759 079 Randolph .491 .723 0 0 1.214 082 St. Clair 15.321 .004 0 0 15.325 091 Union .2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin .4164 .214 0 0 .4378 033 Hamilton .027 .531 0 < | 044 Johnson | 0 | .025 | 0 | 0 | |
| 033 Perry .266 .086 0 0 .352 077 Pulaski .200 0 .560 0 .759 079 Randolph .491 .723 0 0 1.214 082 St. Clair 15.321 .004 0 0 15.325 091 Union 2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 .25.837 Southeast | | .569 | | · | | |
| 077 Pulaski .200 0 .560 0 .759 079 Randolph .491 .723 0 0 1.214 082 St. Clair 15.321 .004 0 0 15.325 091 Union 2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 .25.837 Southeast 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 .548 033 Hardin .007 .531 0 0 .558 035 Hardin .006 1.211 0 0 .546 064 Massac 3.343 6.281 0 <td< td=""><td>073 Perry</td><td></td><td></td><td></td><td></td><td></td></td<> | 073 Perry | | | | | |
| 679 Randolph 491 .723 0 0 1.214 682 St. Clair 15,321 .004 0 0 15.325 091 Union 2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 .541 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 .558 035 Hardin .006 1.211 0 0 .558 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 </td <td>077 Pulaski</td> <td></td> <td></td> <td>.560</td> <td></td> <td></td> | 077 Pulaski | | | .560 | | |
| 082 St. Clair 15.321 .004 0 0 15.325 091 Union 2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 044 Massac 3.343 6.281 0 0 .962 076 Pope 0 0 0 0 <td></td> <td></td> <td>. 723</td> <td></td> <td></td> <td></td> | | | . 723 | | | |
| 091 Union 2.228 .561 0 0 2.789 095 Washington .154 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 3.40 093 Wabash 1.702 .696 0 0 | | | | | | |
| 095 Washington 1.54 .323 .011 .023 .511 100 Williamson .028 .029 0 0 .057 District total 23.051 1.912 .848 .025 25.837 Southeast Southeast 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 340 093 Wabash 1.702 .696 0 0 2.333 097 White 3.145 3.377 0 | | | | | | |
| District total Dist | | | | | • | |
| Southeast 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 9.623 076 Pope 0 0 0 0 0 083 Saline .035 .306 0 0 .340 093 Wabash 1.702 .696 0 0 2.338 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 9.623 076 Pope 0 0 0 0 340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 29.235 | District total | 23.051 | 1.912 | .848 | .025 | 25.837 |
| 024 Edwards .415 .364 0 0 .778 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 9.623 076 Pope 0 0 0 0 340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 29.235 | Southeart | | ` | | | |
| 028 Franklin .026 .515 0 0 .541 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 9.623 076 Pope 0 0 0 0 0 083 Saline .035 .306 0 0 340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | 415 | 764 | ۸ | 0 | 770 |
| 030 Gallatin 4.164 .214 0 0 4.378 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 0 083 Saline .035 .306 0 0 .340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 0 0 0 29.235 | | | | | | |
| 033 Hamilton .027 .531 0 0 .558 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 0 083 Saline .035 .306 0 0 .340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| 035 Hardin .006 1.211 0 0 1.218 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 0 083 Saline .035 .306 0 0 .340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | | | | | |
| 041 Jefferson .064 .482 0 0 .546 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 0 083 Saline .035 .306 0 0 340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | | | | | |
| 064 Massac 3.343 6.281 0 0 9.623 076 Pope 0 0 0 0 0 083 Saline .035 .306 0 0 .340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | | | | | |
| 076 Pope 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 340 0 0 0 340 0 0 0 0 2.398 0 0 0 2.398 0 0 0 2.333 0 0 0 2.333 0 0 0 2.333 0 0 6.522 0 0 6.522 0 0 29.235 0 0 29.235 | | | | | | |
| 083 Saline .035 .306 0 0 .340 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | | | | | |
| 093 Wabash 1.702 .696 0 0 2.398 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | | | | | |
| 096 Wayne .360 1.973 0 0 2.333 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | | | | | |
| 097 White 3.145 3.377 0 0 6.522 District total 13.286 15.949 0 0 29.235 | | | | | | |
| District total 13.286 15.949 0 0 29.235 | | | | | | |
| - | 097 White | 3.145 | 3.377 | 0 | 0 | 6.522 |
| State total 475.187 43.698 149.408 259.267 927.560 | District total | 13.286 | 15.949 | 0 | 0 | 29.235 |
| | State total | 475.187 | 43,698 | 149.408 | 259.267 | 927.560 |

Table 20. Township Water Withdrawals, SMSA's 1984 (mgd)

| Public | | | | | | | Self-supplied Industry Total | | | | | | Total |
|--------------------------|----------|-----------------|----------------|--------------|------------|--------------|------------------------------|------------|----------------|--------------|------------|------------|--------------|
| SMSA | | | Major geohydr | ologic syste | m | | | | Major geohydr | ologic syste | m | | |
| County | | Sand | | _ | _ | Total | | Sand | | _ | _ | Total | |
| Township | Surface | and | Mississippian- | | | ground | Surface | and | Mississippian- | | | ground | _ |
| and range | water | gravel | Pennsylvanian | Devonian | Ordovician | water | water | gravel | Pennsylvanian | Devonian | Ordovician | water | Total |
| Bloomington | -Normal | | | | | | | | | | | | |
| Mc Lean Cou | | | | | | | | | | | | | |
| 05721N02E | 0 | .087 | 0 | 0 | 0 | .087 | 0 | 0 | 0 | 0 | 0 | 0 | .087 |
| 05722N01W | 0 | .104 | 0 | 0. | 0 | .104 | 0 | 0 | 0 | 0 | 0 | 0 | .104 |
| 05722N02E | 0 | .082 | 0 | 0 | 0 | .082 | 0 | 0 | 0 | 0 | 0 | 0 | .082 |
| 05722N03E | 0 | .052 | 0 | 0 | 0 | .052 | 0 | 0 | 0 | 0 | 0 | 0 | .052 |
| 05722N04E | 0 | .211 | 0 | 0 | 0 | .211 | 0 | 0 | 0 | 0 | 0 | 0 | .211 |
| 05722N06E | 0 | .046 | 0 | 0 | 0 | .046 | 0 | 0 | 0 | 0 | 0 | 0 | .046 |
| 05723N01E | 0 | .913 | 0 | 0 | 0 | .913 | 0 | 0 | 0 | 0 | 0 | 0 | .913 |
| 05723N01W | 0 | .080 | 0 | 0 | 0 | .080 | 0 | 0 | 0 | 0 | 0 | 0 | .080 |
| 05723N02E | 0 | .770 | 0 | 0 | 0 | .770 | 0 | .897 | 0 | 0 | 0 | .897 | 1.667 |
| 05723N03E | 0 | .006 | 0 | 0 | 0 | .006 | 0 | 0 | 0 | 0 | 0 | 0 | .006 |
| 05723N04E 05723N05E | 0 | .018 | 0 | 0 | 0 | .018 | 0 | 0 | 0 | 0 | 0 | 0 | .018 |
| 05723N05E 05723N06E | 0 | .027 .058 | Ö | Ö | 0 0 | .027 .058 | 0 | 0 | Ö | 0 | 0 | 0 | .027 .058 |
| 05724N01W | 0 | .965 | ő | Ö | 0 | .965 | Ŏ | ŏ | ŏ | Ŏ | Ŏ | Ŏ | .965 |
| 05724N02E | ŏ | 1.008 | ŏ | Ŏ | ŏ | 1.008 | ŏ | Õ | ŏ | ò | Ŏ | 0 | 1.008 |
| 05724N04E | Ö | .015 | ő | Ö | Ů | .015 | Ö | Ö | ŏ | Õ | 0 | ŏ | .015 |
| 05724N05E | ŏ | .054 | ŏ | ŏ | Ö | .054 | Ö | ŏ | ŏ | ŏ | ŏ | ŏ | .054 |
| 05724N06E | Ö | .013 | ŏ | ŏ | ŏ | .013 | Ď | ŏ | ŏ | ŏ | ŏ | ŏ | .013 |
| 05725N01E | ò | .029 | ŏ | ŏ | ŏ | .029 | Ď | ŏ | ŏ | ŏ | ŏ | ŏ | .029 |
| 05725N02E | 6.964 | <.001 | 0 | 0 | 0 | <.001 | Ò | Ò | Ò | Ò | Ò | Ó | 6.965 |
| 05725N03E | 0 | .002 | 0 | 0 | 0 | .002 | 0 | 0 | 0 | 0 | 0 | 0 | .002 |
| - 05725N04E | 0 | .158 | 0 | 0 | 0 | .158 | 0 | 0 | 0 | 0 | 0 | 0 | .158 |
| 05725N06E | 0 | .004 | 0 | 0 | 0 | .004 | 0 | 0 | 0 | 0 | 0 | 0 | .004 |
| 05726N03E | 0 | .117 | 0 | 0 | 0 | .117 | 0 | 0 | 0 | 0 | 0 | 0 | .117 |
| 05726N04E | 0 | .025 | 0 | 0 | .187 | .212 | 0 | 0 | 0 | 0 | 0 | 0 | .212 |
| Total | 6.964 | 4.847 | 0 | 0 | .187 | 5.034 | 0 | .897 | 0 | 0 | 0 | .897 | 12.895 |
| Champaign-U | Irbana-D | o nt oul | | | | | | | | | | | |
| Champaign C | | antour | | | | | | | | | | | |
| 01017N07E | 0 | .028 | 0 | 0 | 0 | .028 | 0 | 0 | 0 | 0 | 0 | 0 | .028 |
| 01017N08E | 0 | .086 | 0 | 0 | 0 | .086 | 0 | 0 | 0 | 0 | 0 | 0 | .086 |
| 01017NI1E | 0 | .024 | 0 | 0 | 0 | .024 | 0 | 0 | 0 | 0 | 0 | 0 | .024 |
| 01018N08E | 0 | .240 | 0 | 0 | 0 | .240 | 0 | 0 | 0 . | 0 | 0 | 0 | .240 |
| 01018N10E | 0 | .063 | 0 | 0 | 0 | .063 | 0 | .001 | 0 | 0 | 0 | .001 | .064 |
| 01018N14W | 0 | .100 | 0 | 0 | 0 | .100 | 0 | 0 | . 0 | 0 | 0 | 0 | .100 |
| 01019N07E | 0 | .007 | 0 | 0 | 0 | .007 | 0 | 0 | 0 | 0 | 0 | 0 | .007 |
| 01019N08E | 0 | 10.769 | 0 | 0 | 0 | 10.769 | 0 | 3.266 | 0 | 0 | 0 | 3.266 | 14,034 |
| 01019N09E 01019N10E | Ŏ | .619 .177 | 0 | Ö | 0 | .619 .177 | 0 | 0 | 0 | 0 | 0 0 | 0 | .619 .177 |
| 01019N10E | ŏ | 0.177 | 0 | Ő | Ö | 0.177 | ő | <.001 | ŏ | Ö | Ŏ | <.001 | <.001 |
| 01019N14W | ŏ | .061 | ő | ŏ | Ŏ | .061 | ŏ | 0 | 0 | Ö | Ö | 0 | .061 |
| 01020N07E | ŏ | .454 | ŏ | ŏ | ŏ | .454 | 4.068 | ŏ | ŏ | ŏ | Ď | Ď | 4.522 |
| 01020N08E | Ŏ | 5.006 | ŏ | Ŏ | Ö | 5.006 | 0 | ŏ | Ď | Ŏ | Ŏ | Ŏ | 5.006 |
| 01020N09E | Ó | .023 | ō | Ó | Ō | .023 | Ó | Ō | 0 | Ō | 0 | Ō | .023 |
| 01020N14W | 0 | .023 | 0 | 0 | 0 | .023 | 0 | 0 | 0 | 0 | 0 | 0 | .023 |
| 01021N09E | 0 | .735 | 0 | 0 | 0 | .735 | .437 | 2.221 | 0 | 0 | 0 | 2.221 | 3.393 |
| 01021N10E | 0 | .075 | 0 | 0 | 0 | .075 | 0 | 0 | 0 | 0 | 0 | 0 | .075 |
| 01021N14W | 0 | .023 | 0 | 0 | 0 | .023 | 0 | 0 | 0 | 0 | Ō | 0 | .023 |
| 01022N07E | 0 | .164 | 0 | 0 | 0 | .164 | 0 | 0 | 0 | 0 | 0 | 0 | .164 |
| 01022N08E | 0 | .017 | 0 | 0 | 0 | .017 | 0 | 0 | 0 | 0 | 0 | 0 | .017 |
| 01022N09E | 0 | .882 | 0 | 0 | 0 | .882 | 0 | 0 | 0 | 0 | 0 | 0 | .882 |
| 01022N10E 01022N14W | 0 | .005 | 0 | 0 | 0 | .005 | 0 | <.001 0 | 0 | 0 | 0 0 | <.001 0 | .005 .003 |
| | - | | _ | _ | | | | , | | | _ | _ | |
| Total | 0 | 19.584 | 0 | 0 | 0 | 19,584 | 4.505 | 5.488 | 0 | 0 | 0 | 5.488 | 29,577 |
| Chicago | | | | | | | | | | | | | |
| Cook County 01635N13E | 0 | 0 | 0 | 6.085 | .528 | 6.612 | 0 | 0 | 0 | .874 | 0 | .874 | 7.487 |
| 01635N13E | Ö | ŏ | ŏ | 6.042 | 3.962 | 10.004 | 0 | 0 | Ö | .504 | .374 | .878 | 10.882 |
| 01635NISE | ő | ŏ | ŏ | .159 | 0 | .159 | ŏ | ŏ | ŏ | 0 | 0.374 | 0 | .159 |
| 01636N12E | Ŏ | Ŏ | ŏ | 2.143 | 1.044 | 3.186 | ŏ | ŏ | ŏ | .273 | Ŏ | .273 | 3.460 |
| | | | | | | | | | | | | | |

Table 20. (Continued)

| | Public | | | | | | Self-supplied Industry | | | | | Total | |
|------------------------|------------------|---------------|---------------------------------|----------------|----------------|------------------|---|-------------|----------------|--------------|--------------|-----------------|------------------|
| SMSA | | п. 1 | Major geohydre | ologic syste | m | T1 | | e1 | Major gcohydi | rologic syst | em | Taral | |
| County | Custons | Sand | A dimeioriani am | Cilmian | Cambrian | Total ground | Surface | Sand and | Mississippian- | Silveian | Cambrian. | Total ground | |
| Township and range | Surface water | and gravel | Mississippian- Pennsylvanian | | | water | water | gravel | Pennsylvanian | | | water | Total |
| ana rangi | · ruite | A.M. | 7 Chhiaireanna | Diroman | Oran Artificia | -741167 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | A. H. C. | | | 0.1107.4.11 | | - 5107 |
| Cook County | Cont. | | | | | | | | | | | | |
| 01636N13E | 0 | 0 | 0 | .906 | 0 . | .906 | 0 | 0 | 0 | .260 | .010 | .269 | 1.175 |
| 01636N14E | 0 | 0 | 0 | 0 | 0 | 0 | .534 | 0 | 0 | .004 | 0 | .004 | .538 |
| 01637N11E | 0 | 0 | 0 | .028 | .562 | .590 | 0 0 | 0 | 0 0 | <.001 | .238 | .239 | .828 |
| 01637N12E | 0 | 0 | 0 0 | .180 | .416 0 | .596 0 | 5.792 | 0 | 0 | .061 .013 | 0 | .061 .013 | ,656 5,805 |
| 01637N13E 01637N14E | Ö | ŏ | ő | 0 | ő | ŏ · | 17.251 | ő | ŏ | .002 | .053 | .054 | 17,305 |
| 01637N15E | ŏ | ŏ | ŏ | ŏ | . 0 | ŏ | 189,938 | ŏ | ŏ | 0 | 0 | 0 | 189,938 |
| 01638N12E | ŏ | Ö | ŏ | 1.316 | 2.480 | 3.796 | 0 . | Ö | Ò | 4.107 | 3.346 | 7.453 | 11.249 |
| 01638N13E | 0 | 0 | Ó | 0 | 0. | 0 | 17.425 | 0 | 0 | .002 | 2.154 | 2.156 | 19.581 |
| 01638N14E | .003 | 0 | 0 | 0 | 0 | 0 | 303.213 | 0 | Ō | 0 | .189 | .189 | 303.405 |
| 01638N15E | 414.945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 414,945 |
| 01639N12E | 0 | 0 | 0 | 0 | 4.151. | 4.151 | .655 0 | 0 | 0 | .188 | .209 | .396 | 5.202 |
| 01639NI3E | 0 565,597 | 0 | 0 0 | 0 | 0 | 0 | 394,176 | 0 | 0 | 0 | .175 .003 | .175 .003 | .175 959.776 |
| 01639N14E 01640N12E | 0 | 0 | ő | 0 | 0 | 0 | 0 | Ö | ő | .009 | .732 | .741 | .741 |
| 01640N13E | 0 | 0 | ő | ŏ | 0 | ŏ | Õ | ŏ | ŏ | 0 | .417 | 417 | .417 |
| 01641N09E | ŏ | 1.803 | ŏ | .560 | ĭ.706 | 4.068 | .507 | ŏ | ŏ | <.001 | 0 | < .001 | 4.575 |
| 01641N10E | Ŏ | 1,925 | ŏ | 3.355 | 7.300 | 12.580 | 0 | .003 | 0 | .040 | . 0 | .042 | 12.622 |
| 01641N11E | 0 | 0 | 0 | .447 | 9.980 | 10.427 | 0 | 0 | 0 | .021 | .013 | ,034 | 10.461 |
| 01641N12E | 0 | 0 | 0 | 0 | 3.465 | 3,465 | 0 | 0 | 0 | 0 | 0 | 0 | 3.465 |
| 01641N13E | 0 | 0 | 0 | 0 | 0 | 0 | 4.032 | 0 | 0 | 0 . | .289 | .289 | 4.321 |
| 01641N14E | 26.058 | 0 | 0 | 0 | 0 | 0 | 11,093 | 0 | 0 | 0 | 0 | 0 | 37.152 |
| 01642N09E | 0 | .016 | Q | .813 | 0 | .829 | 0 | ,018 | 0 | .247 | .023 | .288 | 1.117 |
| 01642N10E | 0 | 2.411 | 0 | .062 .894 | 5.707 | 8.181 | 0 0 | 0 | 0 0 | .033 .004 | .488 | .521 | 8.702 |
| 01642NITE 01642NI2E | 0 5.693 | 0 | 0 | .122 | 13.737 .267 | 14.631 .389. | - | 0 | ő | .004 | .016 .705 | .020 .706 | 14.652 6,849 |
| 01642N13E | 17.007 | ŏ | ŏ | 0 | 0.207 | 0 | 0.002 | Ö | ŏ | 0.001 | 0 . | 0 | 17.007 |
| Total | 1029.304 | 6.155 | | 23.112 | 55.303 | 84.570 | 944.678 | .021 | Ď | 6.642 | | 16.096 | 2074,648 |
| | | | • | | | | | | | | | | |
| DuPage Cour | ity | | | | | | | | | | | | |
| 02237N11E | 0 | 0 | 0 | .219 | .335 | .554 | .277 | 0 | 0 | .929 | 0 | .929 | 1.760 |
| 02238N09E | 0 | 0 | 0 | 3.520 | 2.220 | 5.740 | 0 | 0 | 0 | .148 | <.001 | .148 | 5.889 |
| 02238N10E | 0 0 | 0 | 0 | 8.159 9.599 | 2.272 3.552 | 10.431 13.151 | 0 | 0 | 0 | .105 .219 | .036 0 | .141 .219 | 10.572 13.370 |
| 02238N11E 02239N09E | 0 | 0 | 0 | 1.177 | 1.722 | 2.899 | 2,592 | ő | Ŏ | .140 | <.001 | .141 | 5.632 |
| 02239N10E | ŏ | ŏ | ŏ | 9,561 | 0 | 9,561 | 0 | ő | ŏ | .020 | .003 | .023 | 9.584 |
| 02239N11E | Ò | Õ | ō | 3.350 | 11.313 | 14.663 | Ò | Ö | 0 | .003 | .252 | .255 | 14,932 |
| 02240N09E | 0 | 0 | 0 | 1.003 | 1.049 | 2.052 | .004 | 0 | 0 | .126 | <.001 | .127 | .2.182 |
| 02240N10E | 0 | 1.557 | 0 | 5.039 | 2.385 | 8.982 | .004 | 0 . | 0 | .004 | 0 | .004 | 8.989 |
| 02240N11E | 0 | 1.526 | 0 | 2.952 | 6.373 | 10.851 | 0 | 0 | 0 | .036 | 0 | .036 | 10.887 |
| 02241N09E | 0 | 0 | 0 | 0 | 0 | 0 | 0 . | <.001 | 0 | 0 | 0 | <.001 | < .001 |
| Totai | 0 | 3,084 | 0 | 44.579 | 31.222 | 78,885 | 2.876 | 0 | o | 1.730 | . 293 | 2.023 | 83,784 |
| Kane County | | | | | | | | | | | | | |
| 04538N07E | 0 | .186 | 0 | 0 | 1.828 | 2.014 | 0 | 0 | 0 | 0 | 0 | 0 | 2.014 |
| 04538N08E | Ŏ | .004 | ŏ | .179 | | 9.880 | ō | ō | Ö | 1.351 | .136 | 1.487 | 11.367 |
| 04539N07E | 0 | 0 | Ò | 0 | .038 | .038 | 0 | 0 | 0 | 0 | .225 | .225 | .263 |
| 04539N08E | 0 | 0 | 0 | 0 | 2.006 | 2.006 | 1.185 | 0 | 0 | .087 | .028 | .116 | 3.306 |
| 04540N06E | 0 | .040 | 0 | 0 | 0 | .040 | 0 | 0 | 0 | 0 | <.001 | < .001 | .040 |
| 04540N07E | 0 | .056 | | 0 | .086 | .142 | 0 | 0 | 0 | 0 | 0 | 0 | .142 |
| 04540N08E 04541N06E | 0 | 1.738 0 | 0 | .005 | 2.117 | 3.861 | 0 | 0 | 0 | 0 | .002 | .002 | 3.862 |
| 04541N08E | 0 | .726 | 0. | .017 | ,043 5,384 | .043 6.126 | .115 | .013 | | .123 | .004 | ,140 | .043 |
| 04542N06E | ŏ | 0.720 | 0 | 0.017 | .163 | .163 | 0 .113 | 0.013 | 0 . | 0 123 | .027 | .027 | 11.819 .191 |
| 04542N07E | ŏ | .005 | ŏ | ŏ | 0 | .005 | ŏ. | ŏ | ŏ | ŏ | 0 | 0.02 | .005 |
| 04542N08E | Ď | 3.521 | ŏ | .029. | .023 | 3,574 | ŏ | .001 | ŏ | ŏ | ŏ | .001 | 3,575 |
| | | | | | | | | | | | | | ***** |
| Total | 0 | 6,277 | o | . 230 | 21.383 | 27,891 | 1.300 | .013 | 0 | 1.561 | .423 | 1,998 | 36.627 |
| | | | | | | | | | | | | | |
| Lake County | ^ | 1 404 | | | 001 | | ^ | • • • | • | | | | |
| 04943N09E | 0 | 1.195 | 0 | .035 | .001 | 1.231 | 0 | .118 | 0 | .037 | 0 | .154 | 1.385 |
| 04943N10E 04943N11E | 0 | 0 .024 | 0 | .140 .416 | l.128 l.495 | 1.268 1.934 | .036 | .007 0 | 0 0 | 0 .024 | .060 | .067 ,047 | 1.352 |
| 04943N11E 04943N12E | 9.508 | 0.024 | 0 | .410 | 0 | 0 | 0.036 | 0 . | 0 | 0.024 | .023 .557 | .557 | 2.017 10.066 |
| 04944N09E | 0 | .237 | Ů. | 503 | .005 | .744 | ŏ | ő | ŏ | ŏ | 0, .,, | 0 | .744 |
| 04944N10E | Ŏ | .556 | | .152 | .747 | 1.455 | ŏ | ŏ | ŏ | .006 | | .006 | 1.461 |

Table 20. (Continued)

| | | | Pub | lic | • | Self-supplied Industry | | | | | | Total | |
|--------------------------|-----------|-------------|----------------|--------------|--------------|------------------------|---------------|---------------|----------------|---------------|--------------|---------------|------------------------|
| SMSA | | Sand | Major geohydr | ologic syste | m | Total | | Sand | Major geohydro | ologic systet | m | Total | |
| County Township | Surface | Sand and | Mississippian- | Situation. | Cambrian- | rotat ground | Surface | sana and | Mississippian- | Cibrian- | Cambrian- | ground | |
| and range | water | gravel | Pennsylvanian | _ | _ | water | water | gravel | Pennsylvanian | | | water | Total |
| Lake County 04944N11E | Cont. | 0 | 0 | .549 | 2.074 | 2.623 | 0 | .243 | 0 | .315 | 0.034 | .591 | 3.214 |
| 04944N12E | 13.670 | .010 | ŏ | .005 | 0 | .015 | 2.409 | 0 | ŏ | <.001 | .009 | .009 | 16.103 |
| 04945N09E | 0 | .613 | ŏ | 0 | ŏ | .613 | 0 | .038 | ŏ | .007 | .359 | .405 | 1.018 |
| 04945N10E | ō | .300 | Ö | .974 | .484 | 1.759 | ŏ | 0 | 0 | .001 | 0 | .001 | 1.763 |
| 04945N11E | Ö | .224 | Ŏ | .010 | .959 | 1.193 | Ö | Ŏ | Ö | 0 | .145 | .145 | 1.338 |
| 04945N12E | 10.194 | 0 | 0 | .036 | 0 | .036 | 502.696 | 0 | 0 | 0 | 0 | 0 | 512.926 |
| 04946N09E | 0 | .083 | 0 | 0 | 0 | .083 | .219 | 0 | 0 | .419 | 0 | .419 | .721 |
| 04946N10E | 0 | 1.077 | 0 | 0 | 0 | 1.077 | 0 | 0 | 0 | 0 | 0 | 0 | 1.077 |
| 04946N11E | 0 | 0 | 0 | <.001 | .010 | .010 | 0 | 0 | 0 | 0 | 0 | 0 | .010 |
| 04946N12E | 0 | .102 | 0 | .064 | .169 | .334 | 1440.000 | <.001 | 0 | 0 | 0 | | 1440.335 |
| 04946N13E | 2.103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.103 |
| Total | 35.475 | 4.421 | θ | 2.883 | 7.071 | 14.375 | 1945.359 | .406 | 0 | ,809 | 1.187 | 2.402 | 1997.612 |
| Mc Henry Co | ounty | | | | | | | | | | | | |
| 05643N05E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .001 | 0 | .001 | .001 |
| 05643N06E | 0 | .001 | 0 | .056 | 0 | .057 | 0 | .113 | 0 | .004 | 0 | .117 | .174 |
| 05643N07E | 0 | .339 | 0 | .034 | 0 | .373 | 0 | .013 | 0 | 0 | 0 | .013 | .385 |
| 05643N08E | 0 | .614 | 0 | .859 | 2.358 | 3.831 | .003 | .003 | 0 | .010 | .017 | .031 | 3.864 |
| 05643N09E | 0 | 0 | 0 | .289 | 0 | .289 | 0 | 0 | 0 | 0 | 0 | 0 | .289 |
| 05644N05E | 0 | .420 | 0 | 0 | 0 | .420 | 0 | 0 | 0 | 0 | .142 | .142 | .562 |
| 05644N06E 05644N07E | 0 · 0 | 0 .953 | 0 0 | 0 | 0 0 | 0 .953 | 0 1.207 | <.001 .051 | 0 | 0 | 0 | <.001 .095 | < .001 |
| 05644N08E | 0 | ,049 | 0 | .147 | .817 | 1.013 | 0 | .051 | ő | .045 | 0 | .093 | 2.255 1.286 |
| 05644N09E | Ů | .055 | ő | .025 | 0.017 | .080 | 0 | 0 | ő | 0 | ŏ | 0.273 | .080 |
| 05645N05E | Ö | 0.055 | ŏ | 0 | Ŏ | 0.000 | ő | ŏ | ŏ | .025 | ŏ | .025 | .025 |
| 05645N06E | ŏ | .005 | ŏ | .002 | ŏ | .007 | ő | .003 | ŏ | 0 | .001 | .005 | .084 |
| 05645N07E | ò | 1.707 | Ó | 0 | Ŏ | 1.707 | Ŏ | 0 | Ŏ | Ŏ | 0 | 0 | 1.707 |
| 05645N08E | 0 | .659 | 0 | .912 | 0 | 1.571 | Ô | .008 | 0 | .559 | .937 | 1.504 | 3.074 |
| 05645N09E | 0 | .037 | 0 | ,320 | 0 | .357 | .036 | 0 | 0 | <.001 | .002 | .002 | .395 |
| 05646N0SE | 0 | .678 | 0 | 0 | 0 | .678 | 0 | 0 | 0 | 0 | .153 | .153 | .832 |
| 05646N07E | 0 | .136 | 0 | 0 | 0 | .136 | 0 | .001 | 0 | 0 | 0 | .001 | .137 |
| 05646N08E | 0 | .069 | 0 | .152 | ,059 | .281 | 0 | .465 | 0 | 0 | 0 | .465 | .746 |
| 05646N09E | 0 | 0 | Û | 0 | 0 | 0 | 0 | .005 | 0 | 0 | 0 | .005 | .005 |
| Total | 0 | 5.721 | 0 | 2.796 | 3.234 | 11.751 | 1.246 | .813 | 0 | , 76 7 | 1.253 | 2.833 | 15.830 |
| Will County | | | | | | | | | | | | | |
| 09932N09E | 0 | 0 | Û | .013 | .442 | .455 | 122.658 | 0 | .005 | 0 | .005 | .010 | 123,123 |
| 09932N10E | 0 | 0 | 0 | 0 | .007 | .007 | 0 | 0 | 0 | 0 | .002 | .002 | .009 |
| 09933N09E | 0 | 0 | 0 | .001 | .556 | .557 | 0 | 0 | 0 | 0 | 0 | 0 | .557 |
| 09933N10E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .256 | .256 | .256 |
| 09933N12E | 0 | 0 | 0 | .434 | 0 | .434 | 0 | 0 | 0 | .001 | 0 | .001 | .435 |
| 09933N14E 09934N09E | 0 0 | 0 | 0 | .242 | 0 .010 | .242 | 0 7.090 | 0 | 0 | .001 .016 | 0 3.029 | .001 | .243 |
| 09934N10E | 0 | ŭ | Ŏ | .023 | 0 | .033 | 0 | 0 | 0 | 0 | .250 | .250 | 10.175 .348 |
| 09934N11E | ŏ | ŏ | ŏ · | .160 | Ů | .160 | ŏ | <.001 | ŏ | ŏ | 0 | <.001 | .160 |
| 09934N13E | ŏ | ő | ő | 1.398 | Ö | 1.398 | ŏ | 0 | ŏ | .039 | Õ | .039 | 1.437 |
| 09934N14E | ŏ | ŏ | ŏ | 1.107 | Ŏ | 1.107 | ŏ | ŏ | Ö | .100 | ŏ | .100 | 1.207 |
| 09934N15E | Ö | ō | Ö | .138 | Ö | .138 | ŏ | ŏ | Ď | 0 | Ö | 0 | .138 |
| 09935N09E | 0 | Ó | Ô | .262 | 2.373 | 2.634 | 0 | .003 | 0 | .110 | 0 | .114 | 3.123 |
| 09935N10E | 0 | 0 | 0 | .434 | 4,015 | 4,449 | 1085.760 | 0 | 0 | .227 | 2.401 | 2.628 | 1092.836 |
| 09935NI1E | 0 | 1.039 | 0 | .690 | 2.563 | 4.292 | 0 | 0 | 0 | .035 | 0 | .035 | 4.327 |
| 09935N12E | 0 | .178 | 0 | 1.522 | 0 | 1.700 | 0 | 0 | 0 | .017 | 0 | .017 | 1,717 |
| 09936N09E | 0 | 0 | 0 | .314 | 1.366 | 1.680 | .168 | .001 | 0 | .002 | 0 | .002 | 1.851 |
| 09936N10E | 0 | 0 | 0 | 1,027 | 2.018 | 3.044 | 531.608 | 0 | 0 | .064 | .801 | .865 | 535.518 |
| 09936N11E 09937N09E | 0 | 1.323 | 0 0 | .999 | ,530 0 | 2.851 | 1791.781 0 | 0 | 0 | 0 | 001 | 0 | 1794,632 |
| 09937N10E | ŏ | ŏ | 0 | 4.482 | .783 | 5.265 | 5.270 | 0 0 | 0 | 0 0 | .901 .216 | .901 .216 | 905 10. 7 51 |
| Total | 0 | 2.540 | 0 | 13.346 | 14,663 | 30.549 | 3544.336 | .004 | .005 | .611 | 6.961 | 7.582 | 3582.842 |
| Davenport-I | Rock Isla | nd-Mol | ine(IL) | | | | | | | | | | |
| Henry Count | | ٨ | ^ | ^ | 001 | 201 | Δ. | ^ | • | ^ | ^ | ^ | |
| 03714N01E 03714N02E | 0 | 0 | 0 | 0 | .081 ,084 | .081 .084 | 0 | 0 | 0 0 | 0 | 0 0 | 0 | .081 |
| 03714N02E | Ö | 0 | 0 | .019 | ,084 0 | .019 | 0 | 0 0 | 0 | 0 0 | 0 | 0 0 | .084 .019 |
| 03714N04E | Ö | ő | ő | 0 | .061 | .061 | ŏ | ŏ | ő | 0 | ő | Ö | .06t |

Table 20. (Continued)

| | Public | | | | | | | Self-Supplied Industry Total | | | | | |
|---------------------------|-------------|--------------|----------------|--------------|-----------|--------------|------------|------------------------------|----------------|--------------|---------------|------------|-------------------|
| SMSA | | Sand | Major geohydro | ologic syste | m | Total | | Sand | Major geohydr | ologic syste | m | Total | |
| County Township | Surface | Sand and | Mississippian- | Silurian- | Combrian- | ground | Surface | and | Mississippian- | Silurian- | Cambrian- | ground | |
| and range | water | gravel | Pennsylvanian | | | water | water | gravel | Pennsylvanian | | | water | Total |
| Henry County Con | | • | 0 | 007 | 217 | 724 | • | 0 | 0 | | • | 0 | 714 |
| 03714N05E 03715N01E | 0 | 0. 0 | 0 | .007 | .727 0 | .734 | 0 | 0 | .001 | 0 | 0 | 0 .001 | .734 .034 |
| 03715N01E | ŏ | ŏ | ŏ | .055 | ő | .055 | Ö | ŏ | 0.001 | ő | ŏ | 0 | .055 |
| 03715N03E | Ŏ | Ŏ | Ö | 0 | .250 | .250 | 0 | 0 | .003 | 0 | Ō | .003 | .253 |
| 03715N05E | 0 | 0 | 0 | 0 | .739 | .739 | 0 | 0 | 0 | .028 | 0 | .028 | .767 |
| 03716N01E | 0 | 0 | 0 | .182 | 0 | .182 | 0 | 0 | 0 | 0 | 0 | 0 | .182 |
| 03716N02E | 0 | 0 | 0 | .015 | 0 | .015 | 0 | 0 | 0 | 0 | 0 | 0 | .015 |
| 03716N03E | 0 | 0 | 0 | .017 .069 | 0 | .017 .069 | 0 | 0 | 0 | 0 | 0 0 | 0 0 | .017 .069 |
| 03716N05E 03717N01E | Ö | .002 | Ŏ | .468 | Ö | .470 | Ö | 0 | ő | 0 | 0 | ŏ | .470 |
| 03717N03E | ŏ | .633 | ŏ | .004 | .009 | .646 | ŏ | ŏ | ŏ | .001 | ŏ | .001 | .647 |
| 03717N04E | Ō | .073 | ō | .135 | 0 | .208 | Ô | 0 | 0 | < .001 | Ò | <.001 | .209 |
| 03718N02E | 0 | 0 | 0 | .063 | 0 | .063 | 0 | 0 | 0 | 0 | 0 | 0 | .063 |
| 03718N03E | 0 | 0 | 0 | .077 | 0 | .077 | 0 | 0 | 0 | 0 | 0 | 0 | .077 |
| Total | 0 | . 709 | 0 | 1.144 | 1.951 | 3.804 | 0 | 0 | .003 | .030 | 0 | .033 | 3.836 |
| Rock Island Count | | | _ | | | | _ | | _ | | _ | | |
| 08116N01W | 0 | 0 | 0 | .048 | 0 | .048 | 0 | 0 | 0 | 0 | 0 | 0 | .048 |
| 08116N02W 08116N03E | 0 0 | 0 | 0 0 | .104 | 0 | .104 .004 | 0 | 0 | 0 | 0 | 0 | 0 | .104 .004 |
| 08116N03W | ŏ | Ö | 0 | .092 | . 0 | .092 | ŏ | ŏ | ő | Ö | Ď | Ö | .092 |
| 08116N04W | ŏ | ŏ | ŏ | .005 | ŏ | .005 | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | .005 |
| 08117N01E | ŏ | ŏ | Ŏ | .109 | 0 | .109 | Ō | Ö | Ō | Ō | <.001 | <.001 | .109 |
| 08117N01W | 0 | 0 | 0 | .372 | 0 | .372 | 0 | 0 | 0 | <.001 | .004 | .004 | .377 |
| 08117N02W | 0 | 0 | 0 | .251 | .580 | .831 | .007 | 0 | 0 | .045 | 0 | .045 | .883 |
| 08117N03W | 0 | 0 | 0 | .109 | 0 | .109 | 0 | 0 | 0 | .001 | 0 | .001 | .109 |
| 08117N04W | 0 | .003 | 0 | .003 | 0 .357 | .003 .926 | 0 9,957 | 0 | 0 0 | .005 | 0 2.028 | 0 2.032 | .003 |
| 08118N01E 08118N01W | 9.923 | 0 | 0 | .566 0 | 0 | 0.920 | 880.593 | .007 | ŏ | <.003 | .012 | .019 | 12.915 890.535 |
| 08118N02E | 0 | ŏ | ŏ | ŏ | ŏ | ŏ | 0 | 0 | ŏ | .694 | 0 | .694 | .694 |
| 08118N02W | 7.299 | Ŏ | Ō | ō | ō | Ō | 1.138 | Ö. | Ō | 0 | Ŏ | 0 | 8.437 |
| 08119N0LE | 0 | 0 | 0 | .120 | 0 | .120 | 0 | 0 | 0 | 0 | 0 | 0 | .120 |
| 08119N02E | 0 | 0 | 0 | .012 | 0 | .012 | 0 | O. | 0 | O. | 0 | 0 | .012 |
| 08119N03E | 0 | 0 | 0 | .019 | 0 | .019 | 0 | 0 | 0 | 0 | 0 | 0 | .019 |
| 08120N02E | 0 | 0 | 0 | .052 | 0 | .052 | .625 | 7.011 | 0 | .159 | 0 | 7.170 | 7,847 |
| Total | 17.221 | .003 | 0 | 1.866 | .937 | 2.806 | 892.320 | 7.018 | 0 | .904 | 2.044 | 9, 965 | 922.312 |
| Decatur | | | | | | | | | | | | | |
| Macon County 05814N01E | 0 | .085 | 0 | 0 | 0 | .085 | 0 | 0 | 0 | 0 | 0 | 0 | .085 |
| 05814N02E | ŏ | .137 | ŏ | ŏ | ő | .137 | 0 | Ö | ŏ | ő | ŏ | ő | .137 |
| 05815N01E | ŏ | .068 | ŏ | Ŏ | ò | .068 | ò | ò | ŏ | ò | Õ | ŏ | .068 |
| 05815N02E | 0 | .068 | 0 | 0 | 0 | .068 | 0 | 0 | 0 | 0 | 0 | 0 | .068 |
| 05816N01E | 0 | .086 | 0 | 0 | 0 | .086 | 0 | 0 | 0 | 0 | 0 | 0 | .086 |
| 05816N01W 05816N02E | '0 8.100 | .068 | 0 | 0 0 | 0 | .068 | 0 | 0 | 0 | 0 | 0 | 0 | .068 8.134 |
| 05816N03E | 18.896 | 0 | ő | ŏ | ŏ | 0 | 6.384 | .012 | ŏ | Ö | Ö | .012 | 25.291 |
| 05817N01E | 0 | .116 | ŏ | Ď | ŏ | ,116 | 0 | 0 | ŏ | ŏ | ŏ | 0 | .116 |
| 05817N02E | 0 | .121 | 0 | 0 | 0 | .121 | 0 | 0 | 0 | Ō | Ö | 0 | .121 |
| 05817N03E | 0 | .179 | 0 | 0 | 0 | .179 | 0 | 0 | 0 | 0 | 0 | 0 | .179 |
| 05818N02E 05818N03E | 0 | .164 .060 | 0 | 0 | 0 0 | .164 | 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 | .164 .060 |
| Total | 26, 996 | 1.187 | 0 | 0 | 0 | 1.187 | 6,384 | .012 | 0 | 0 | 0 | .012 | 34.578 |
| Kankakee | | | | | | | | | | | | | |
| Kankakee County | | | | | | | | | | - | | _ | |
| 04629N12W | 0 | 0 | 0 | .140 | 0 | .140 | 0 | 0 | 0 | 0 | 0 | 0 | .140 |
| 04629N13W 04629N14W | 0 | 0 .077 | 0 0 | .005 | 0 | .005 | 0 | 0 | 0 | 0 | 0 0 | 0 | .005 |
| 04630N09E | 0 | 0.077 | Ö | .036 | .031 | .067 | 0 | 0 | ŏ | 0 | 0 | ů | .077 .067 |
| 04630N10E | ŏ | ŏ | ŏ | 110 | <.001 | .111 | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | .111 |
| 04630N12W | Ò | Ō | Ô | .008 | 0 | .008 | 0 | Ò | Ŏ | Õ | ō | ŏ | .008 |
| 04630N13W | 10.380 | .023 | 0 | .111 | 0 | .134 | 0 | 0 | 0 | 0 | 0 | 0 | 10.513 |
| 04630N14E | 0 | 0 | 0 | .044 | . 0 | .044 | 0 | 0 | 0 | 0 | 0 | 0 | .044 |
| 04631NTLE | 0 | 0 | 0 | .063 | . 0 | .063 | 0 | 0 | 0 | .054 | 0 | .054 | .116 |

Table 20. (Continued)

| Public | | | | | | | Self-supplied Industry | | | | | | To |
|------------------------|-----------|---------------|----------------|--------------|-----------|-----------------|------------------------|-------------|----------------|--------------|-----------|-----------------|---------------|
| SMSA | | | Major neohvdro | ologie syste | nı | т. | | | Major geohydro | ologic syste | ın | . . | |
| County Township | Surface | Sand and | Mississippian- | Silurian- | Cambrian. | Fotal ground | Surface | Sand and | Mississippian- | Sibreion- | Cambrian- | Total ground | |
| and range | water | gravel | Pennsylvanian | _ | | water | water | gravel | Pennsylvanian | _ | _ | water | Tot |
| Kankakee Cou | nty Cont. | | | | | | | | | | | | |
| 04631N12E | 0 | 0 | 0 | .195 | 0 | .195 | 0 | 0 | 0 | ,105 | 0 | .105 | -1 |
| 04631N13E | 0 | 0 | 0 | .718 | 0 | .718 | 0 | 0 | 0 | .048 | 0 | .048 | |
| 04631N14E 04632N12E | O O | 0 0 | 0 | .014 .350 | 0 | .014 .350 | 0 | 0 0 | 0 0 | 0 <.001 | 0 0 | 0 <.001 | .C |
| 04632N13E | Ö | ŏ | ŏ | .031 | Ö | .031 | Ö | ŏ | ŏ | 0 | ŏ | 0 | ĵ. |
| 04632N14E | 0 | Ŏ | ŏ | .041 | Ŏ | .041 | ŏ | Ŏ | Ŏ | ŏ | Ď | ŏ | .č |
| Toral | 10.380 | .099 | 0 | 1.869 | .031 | 1,999 | 0 | θ | 0 | .207 | 0 | .207 | 12.5 |
| Peoria | | | | | | | | | | | | | |
| Peoria County | | | _ | | | | | • | | | | | |
| 07207N06E | 0 | 0 | 0 .013 | 0 | .141 | .141 | 0 | 0 1.354 | 0 | 0 0 | 0 | 0 1.354 | .1- 329.1 |
| 07207N07E 07208N05E | Ö | 0 | .013 | .023 | 0 0 | .023 | 327,744 0 | <.001 | ő | 0 | 0 | <.001 | .0. |
| 07208N06E | ő | Ô | 0 | 0 | .110 | .110 | ő | 0 | ŏ | Ö | 0 | 0 | .v. .l |
| 07208N07E | .068 | .350 | ŏ | ŏ | 0 | .350 | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | 41 |
| 07208N08E | 0 | 6.499 | 0 | Ò | 0 | 6.499 | 3,909 | 11.040 | Ó | Ö | ,361 | 11.401 | 21.80 |
| 07209N0SE | 0 | 0 | 0 | 0 | .218 | .218 | .438 | < .001 | 0 | < .001 | 0 | < .001 | .65 |
| 07209N08E | 6.588 | 6.828 | 0 | 0 | 0 | 6.828 | 1.865 | .672 | 0 | 0 | Ō | .672 | 15.95 |
| 07210N05E | 0 | .008 | 0 | 0 | .071 | .078 | 0 | 0 | 0 | 0 | 0 | 0 | .07 |
| 07210N06E | 0 | 0 | .021 | 0 | 0 | .021 | 0 | 0 | 0 | 0 | 0 | 0 | .02 |
| 07210N07E 07210N08E | 0 | .007 | 0 | 0 0 | 0 | .007 .090 | 0 0 | 0 1.385 | 0 0 | 0 0 | 0 0 | 0 1.385 | .00 1.47 |
| 07210N09E | Ö | .023 | 0 | 0 | Ď | .023 | ő | <.001 | Ö | Ö | 0 | <.001 | .02 |
| 07211N06E | ŏ | 0 | ŏ | ŏ | ,415 | .415 | ŏ | 0 | ŏ | ŏ | ŏ | 0 | .41 |
| 07211N07E | Ŏ, | 0 | Ŏ | Ō | 0 | 0 | Ò | <.001 | ō | ō | Ō | <.001 | < .00 |
| 07211N08E | 0 | .041 | 0 | 0 | .014 | .055 | 0 | 0 | 0 | 0 | 0 | 0 | .05. |
| 07211N09E | 0 | .890 | 0 | 0 | 0 | .890 | 0 | 0 | 0 | 0 | 0 | 0 | .891 |
| Total | 6.656 | 14,736 | .034 | .023 | . 968 | 15.761 | 333,956 | 14.451 | θ | <.001 | .361 | 14.812 | 371.18 |
| Tazewell Coun | | 007 | • | | | 245 | • | • | | • | | • | 0.00 |
| 09022N02W | 0 | .027 | 0 | 0 | 0 | .027 | 0 | Û | 0 | 0 | 0 | 0 | .027 |
| 09022N04W 09023N02W | 0 | .189 | 0 | 0 | 0 | .189 .141 | 0 | 0 | 0 0 | 0 | 0 0 | 0 | .185 .141 |
| 09023N03W | Ö | .044 | ŏ | ŏ | Ď | .044 | ŏ | ŏ | ő | ŏ | 0 | ŏ | .044 |
| 09023N04W | Ď | .018 | ŏ | ŏ | ŏ | .018 | ŏ | Ö | ŏ | ŏ | ŏ | ŏ | .018 |
| 09023N05W | 0 | .051 | 0 | 0 | 0 | .051 | 0 | 0 | 0 | 0 | 0 | 0 | .051 |
| 09024N02W | 0 | .175 | 0 | 0 | 0 | .175 | 0 | 0 | 0 | 0 | 0 | 0 | .175 |
| 09024N03W | 0 | .239 | 0 | 0 | 0 | .239 | 0 | 0 | 0 | 0 | 0 | 0 | .239 |
| 09024N05W | 0 | 3.454 | 0 | 0 | 0 | 3.454 | 668.081 | 5.434 | 0 | 0 | 0 | 5.434 | 676.969 |
| 09025N02W 09025N03W | 0 | .078 2.523 | 0 0 | Ö | 0 | .078 2.523 | 0 | 0 .027 | 0 0 | 0 | 0 | .027 | .078 2.550 |
| 09025N04W | ŏ | .015 | ŏ | ŏ | ŏ | .015 | ŏ | 0.027 | ő | ő | 0 | 0 | .015 |
| 09025N05W | ŏ | 2.006 | ŏ | ŏ | ŏ | 2.006 | ŏ | .002 | ŏ | ŏ | ŏ | .002 | 2.008 |
| 09026N02W | .526 | .103 | 0 | 0 | 0 | .103 | 0 | 0 | 0 | 0 | Ō | 0 | .629 |
| 09026N03W | 0 | .901 | 0 | 0 | 0 | .901 | 0 | .093 | 0 | 0 | 0 | .093 | .993 |
| 09026N04W | 0 | 3.357 | 0 | 0 | 0 | 3,357 | 47.805 | .321 | 0 | 0 | 0 | .321 | 51.483 |
| Total | .526 | 13.321 | 0 | 0 | 0 | 13.321 | 715.886 | 5.877 | 0 | 0 | 0 | 5.877 | 735.610 |
| Woodford Cou | | | | | | | | | | | | | |
| 10225N01E | 1.712 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.712 |
| 10225N01W | 0 | .034 | | 0 | 0 | .034 | 0 | .003 | | 0 | 0 | .003 | .037 |
| 10225N02W | 0 | .051 | 0 | 0 | 0 | .051 | 0 | 0 | 0 | 0 | 0 | 0 | .051 |
| 10226N01E 10226N02E | 0 | .052 .305 | 0 0 | 0 8 | 0 | .052 .305 | 0 0 | 0 | 0 0 | 0 0 | 0 0 | 0 | 305 |
| 10226N02E | 0 | .005 | | 0 | 0 | .005 | 0 | 0 | Ö | 0 | 0 | 0 | 305 |
| 10227N01W | ŏ | .248 | ő | ŏ | ő | .248 | ő | ŏ | ő | Ö | 0 | ő | .248 |
| 10227N02W | ŏ | 085 | | ŏ | ŏ | .085 | ő | <.001 | ŏ | ŏ | ŏ | <.001 | .085 |
| 10227N03W | ŏ | 444 | | Ö | Ŏ | .444 | ō | 0 | ŏ | ŏ | Ö | 0 | ,444 |
| 10227N04W | 0 | .009 | | 0 | 0 | .009 | 0 | 0 | 0 | Ó | Ô | Ó | .009 |
| 10228N01E | 0 | .028 | | 0 | 0 | .028 | 0 | 0 | 0 | 0 | 0 | 0 | .028 |
| 10228N02E | 0 | 0 | 0 | 0 | .162 | .162 | 0 | 0 | 0 | 0 | 0 | 0 | .162 |
| 10228N02W | 0 | .127 | 0 | 0 | 0 | .127 | 0 | 0 | 0 | 0 | 0 | 0 | .127 |
| Total | 1.712 | 1.387 | 0 | 0 | .162 | 1.549 | 0 | , 003 | <.001 | 0 | 0 | .003 | 3.265 |

Table 20. (Continued)

| Public | | | | | | Self-supplied Industry | | | | | | Total | |
|---------------------------|---------------------------------|-------------------|---------------------------------|--------------|----------------|------------------------|----------------------------|---------------|---------------------------------|---------------|--------------|-----------------|-----------------|
| SMSA | SMSA Major geohydrologic system | | | | | | Major geohydrologic system | | | | | | |
| County | | Sand | | | | Total | | Sand | | | | Total | |
| Township and range | Surface water | and gravel | Mississippian- Pennsylvanian | | | ground water | Surface water | and gravel | Mississipplan- Pennsylvanian | | | ground water | Total |
| una range | *UK7 | gibiti | i i majereumum | D(William | Orannan | maki | na _i er | grant, | · Canayaranan | EX YANGEN | O'HIPACHII | 7011 | rotor |
| Rockford | | | | | | | | | | | | | |
| Boone County 00443N03E | 0 | 0 | 0 | 0 | .032 | .032 | 0 | .011 | 0 | 0 | 0 | .011 | .043 |
| 00443N04E | ŏ | ŏ | ŏ | Ö | <.001 | <.001 | ō | 0 | 0 | 0 | .005 | .005 | .006 |
| 00444N03E | 0 | .445 | 0 | .010 | 3,113 | 3.567 | .137 | 0 | 0 | 0 | .703 | .703 | 4.407 |
| 00444N04E 00445N03E | 0 | 0 .028 | 0 | 0 .040 | 0 | .068 | 0 | 0 . | 0 0 | 0 0 | .616 0 | .616 0 | .616 .068 |
| 00445N04E | ŏ | .069 | ŏ | 0 | .048 | .117 | ŏ | .043 | ŏ | õ | ŏ | .043 | .160 |
| Total | 0 | ,543 | 0 | .050 | 3.192 | 3.785 | .137 | .054 | 0 | 0 | 1.324 | 1.378 | 5.299 |
| Winnebago Co | untv | | | | | | | | | | | | |
| 10126NT0E | 0 | 0 | 0 | .015 | 0 | .015 | 0 | 0 | 0 | 0 | 0 | 0 | .015 |
| 10126N11E | 0 | 0 | 0 | 0 | .181 | .181 | 0 | <.001 | 0 | 0 | .001 | .001 | .182 |
| 10127N10E 10127N11E | 0 | 0 | 0 | 0 0 | .474 0 | .474 0 | 0 | 0 <.001 | 0 | 0 | 0 0 | 0 < .001 | .474 <.001 |
| 10128N10E | ŏ | ŏ | ŏ | ŏ | .162 | .162 | ŏ | 0 | ŏ | ŏ | ŏ | 0 | .162 |
| 10143N0IE | 0 | 3.030 | o O | 0 | .097 | 3.127 | 0 . | ,112 | 0 | .015 | 0 | .127 | 3.254 |
| 10143N02E | 0 | 0 2 9 4 4 | 0 | .066 .002 | 1.034 6.397 | 1.100 10.246 | 0 | .001 | 0 | .001 1.022 | 0 1.438 | .004 2.460 | 1.105 12.707 |
| 10144N01E 10144N02E | Ö | 3.846 3.762 | 0 | 0 | 9.889 | 13.651 | ŏ | 1.233 | ŏ | 0 | .482 | 1.716 | 15.367 |
| 10145N01E | ě, | 1.296 | ŏ | Ö | .004 | 1.300 | Ŏ | 0 | 0 | Ö | .001 | 100. | 1.301 |
| 10145N02E | 0 | 1.711 | 0 | 0 | .589 | 2.300 | 0 | .001 | 0 | 0 | .031 | .032 | 2.332 |
| 10146N01E | 0 | .376 .012 | 0 | 0 | .182 .647 | .558 .659 | 734.795 .365 | .123 | 0 | 0 .009 | .025 .001 | .148 | 735.501 |
| 10146N02E | | | | - | | | | .251 | | | | .261 | 1.285 |
| Total | 0 | 14.032 | 0 | .084 | 19.659 | <i>33.775</i> | 735,159 | 1.722 | 0 | 1.047 | 2.232 | 5.001 | 773, 935 |
| St. Louis | | | | | | | | | | | | | |
| Clinton Count 01401N01W | 0 | 0 | 0 | 0 | 0 | 0 | .009 | .004 | .039 | .207 | 0 | .250 | .259 |
| 01401N01W | Ö | .027 | Ö | Õ | Ö | .027 | 0 | 0 | .009 | 0 | Ö | .009 | .036 |
| 01401N04W | Õ | .050 | .021 | Ō | ò | .071 | Ō | .114 | 0 | Ō | Õ | .114 | .185 |
| 01401N05W | 0 | .065 | 0 | 0 | 0 | .065 | 1.181 | .049 | .017 | .052 | 0 | .118 | 1.363 |
| 01401S0SW 01402N01W | 0 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | .032 0 | 0 . 009 | 0 | 0 .002 | .032 .011 | .032 .011 |
| 01402N02W | .669 | ŏ | ő | ŏ | ŏ | ŏ | Ö | ŏ | 0 | ŏ | 0 | 0 | .669 |
| 01402N03W | .526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .526 |
| 01402N04W | 0 | .062 | 0 | 0 | 0 | .062 | .526 | 0 | 0 | .009 | 0 | ,009 | .597 |
| 01403N02W 01403N03W | .040 0 | 0 | 0 0 | 0 | 0 | 0 | 0 0 | 0 0 | .020 | 0 | 0 0 | .020 | .040 .020 |
| Total | 1.235 | . 204 | .021 | 0 | 0 | .226 | 1.716 | . 199 | .093 | . 268 | .002 | .562 | 3.738 |
| Madison Cour | atu | | | | | | | | | | | | |
| 06003N06W | "', ₀ | .002 | .030 | 0 | 0 | .031 | 0 | .013 | 0 | .041 | 0 | .054 | .085 |
| 06003N08W | 0 | 4.392 | 0 | 0 | 0 | 4.392 | 0 | 0 | 0 | 0 | 0 | 0 | 4.392 |
| 06003N09W | 0 | .044 | 0 | 0 | 0 | .044 | 0 | 5.834 | 0 | 0 | 0 | 5.834 | 5.878 |
| 06003N10W 06004N05W | .906 | 0 | 0 | 0 | 0 | 0 | 51.965 0 | 6,289 0 | 0 | 0 | 0 0 | 6.289 0 | 58.254 .906 |
| 06004N06W | 0 | .064 | ŏ | ŏ | ŏ | .064 | ŏ | ŏ | ŏ | .035 | ŏ | .035 | .098 |
| 06004N09W | 0 | 3.013 | 0 | 0 | 0 | 3.013 | 0 | .313 | 0 | 0 | 0 | .313 | 3.326 |
| 06004N10W | 34.640 0 | 0 | 0 .003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34.640 |
| 06005N06W 06005N09W | 0 | .103 3.906 | .003 | 0 | 0 | .106 3.906 | 0 294.403 | 24.406 | Ů | 0 | 0 | 0 24.406 | .106 322.715 |
| 06005N10W | 11.138 | 0 | Ö | 0 | 0 | 0 | 0 | 0 | 0, | 0 | 0 | 0 | 11.138 |
| 06006N06W | 0 | .071 | 0 | 0 | 0 | .071 | 0 | .001 | .021 | 0 | 0 | .022 | .093 |
| 06006N07W 06006N08W | 0 .115 | .05 8 0 | 0 | 0 | 0 | .05 8 0 | 0 | 0 | 0 | 0 | 0 | 0 | .058 .115 |
| 06006N10W | 0 | ŏ | ŏ | ő | ŏ | ő | ő | <.001 | ő | ŏ | ŏ | <.001 | <.001 |
| Total | 46.799 | 11.653 | .032 | 0 | 0 | 11.685 | 346.368 | 36.856 | .021 | .076 | 0 | 36.953 | 441.804 |
| Monroe Count | | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | |
| 06702S10W | .41 7 0 | 0 | 0 | 0.010 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .417 |
| 06703S09W 06703S11W | 0 | .084 | 0 | 0.010 | 0 | .010 .084 | 0 | Ö | .001 0 | 0 | 0 0 | .001 0 | .011 .084 |
| 06704S11W | ŏ | .010 | ŏ | ŏ | Ŏ | .010 | ŏ | Ö | ő | ő | ŏ | ő | .010 |
| Total | .417 | .094 | 0 | .010 | 0 | . 104 | 0 | 0 | .001 | 0 | 0 | .001 | .522 |

Table 20. (Continued)

| | Public | | | | | Self-supplied Industry | | | | | | Total | |
|----------------|---------------------------------------|--------|----------------|-----------|-----------|-----------------------------------|---------|--------|----------------|-----------|-----------|--------|--------------|
| SMSA County | Major geohydrologic system Sand Total | | | | | Major geohydrologic system Sand T | | | | | Total | | |
| Township | Surface | and | Mississippian- | Siturian- | Combrians | ground | Surface | and | Mississippian- | Siberian- | Combrigue | ground | |
| and range | water | gravel | Pennsylvanian | | | water | water | gravel | Pennsylvanian | | | water | Total |
| St. Clair Com | at v | | | | | | | | | | | | |
| 08201N07W | .,0 | .016 | 0 | 0 | 0 | .016 | 0 | 0 | 0 | 0 | 0 | 0 | .016 |
| 08201N10W | ŏ | 0 | ŏ | ŏ | 0 | 0.010 | .215 | Ö | 0 | 0 | 0 | Ŏ | .215 |
| 08201S06W | 1.582 | ŏ | ŏ | ŏ | ŏ | ŏ | 0.213 | ő | ő | ő | 0 | 0 | 1.582 |
| 08201S07W | 0 | ŏ | ŏ | ő | ŏ | Ö | 1.647 | ő | ő | ő | ő | ŏ | 1.647 |
| 08201S08W | ŏ | ŏ | .001 | ő | ŏ | .001 | 0 | ŏ | ő | ő | 0 | 0 | .001 |
| 08202N07W | Õ | .004 | 0 | ŏ | ŏ | .004 | Ŏ | ŏ | 0 | ő | 0 | Ö | .001 |
| 08202N09W | ŏ | .102 | ő | ŏ | ŏ | .102 | ŏ | 8.518 | ő | 0 | Ů | 8,518 | |
| 08202N10W | 19.342 | 0 | å | 0 | 0 | 0 | Ö | 2,909 | ő | ő | 0 | | 8.620 |
| 08202S06W | 0 | .070 | ŏ | ő | ő | .070 | 0 | .001 | 0 | ő | | 2.909 | 22.252 |
| 08202S07W | .629 | 0.070 | ő | 0 | ő | 0.070 | 0 | 0 | 0 | 0 | 0 | .001 | .071 |
| 08202S08W | 0.027 | 0 | .003 | ő | ő | .003 | 0 | ŏ | 0 | ő | 0 | 0 | .629 |
| 08203N10W | ŏ | ö | 0 | ŏ | ő | 0 | 0 | 2.879 | 0 | | 0 | 0 | .003 |
| 08204S05W | ŏ | ő | ő | ő | Ö | 0 | | | 0 | 0 | 0 | 2.879 | 2.879 |
| 08204S06W | Ð | Ŏ | Ď | 0 | Ô | 0 | .004 | 0 | 0 | 0 | 0 | 0 | .004 |
| 0820430811 | v | v | v | v | U | v | .008 | O | U | 0 | 0 | 0 | .008 |
| Total | 21,554 | .192 | .004 | 0 | 0 | . 196 | 1.873 | 14.307 | 0 | θ | o | 14,307 | 17,930 |
| Springfield | _ | | | | | | | | | | | | |
| Menard Coun | | | | _ | _ | | | | | | , | | |
| 06517N06W | 0 | .156 | 0 | 0 | 0 | .156 | 0 | 0 | 0 | 0 | 0 | 0 | .156 |
| 06518N06W | 0 | .047 | 0 | 0 | 0 | .047 | 0 | 0 | 0 | 0 | 0 | 0 | .047 |
| 06518N07W | 0 | .112 | 0 | 0 | 0 | .112 | 0 | 0 | 0 | 0 | 0 | 0 | .112 |
| 06519N05W | 0 | .046 | 0 | 0 | 0 | .046 | 0 | 0 | 0 | 0 | 0 | 0 | .046 |
| 06519N06W | 0 | .093 | 0 | 0 | 0 | .093 | 0 | 0 | 0 | 0 | 0 | 0 | .093 |
| 06519N07W | 0 | .281 | 0 | 0 | 0 | .281 | 0 | 0 | 0 | 0 | 0 | 0 | .281 |
| 06519N08W | 0 | .021 | 0 | 0 | 0 | .021 | 0 | 0 | 0 | 0 | 0 | 0 | .021 |
| Total | Ø | . 756 | 0 | 0 | 0 | . 756 | 0 | O. | 0 | 0 | Ø | 0 | . 756 |
| Sangamon Co | unty | | | | | | | | | | | | |
| 08414N07W | .051 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .051 |
| 08415N03W | 0 | .044 | 0 | 0 | 0 | .044 | .894 | <.001 | 0 | 0 | 0 | < .001 | .938 |
| 08415N05W | 0 | 0 | 0 | 0 | 0 | 0 | 300,208 | 0 | Ö | 0 | ò | 0 | 300.208 |
| 08415N07W | .068 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ó | 0 | 0 | .068 |
| 08416N02W | 0 | 1.334 | 0 | 0 | 0 | 1.334 | 0 | Ó | 0 | Ō | Ö | Ō | 1.334 |
| 08416N03W | 0 | .044 | Ö | ō | ō | .044 | ŏ | Õ | ŏ | ŏ | ŏ | ŏ | .044 |
| 08416N04W | Ó | .446 | Ò | ŏ | ŏ | .446 | .685 | Õ | ŏ | ŏ | ŏ | ő | 1.131 |
| 08416N05W | 19.685 | .004 | ō | ŏ | ŏ | .004 | 0 | ě | ŏ | ő | ŏ | ŏ | 19.689 |
| 08416N06W | 0 | .315 | ő | ŏ | ŏ | .315 | ŏ | ő | ŏ | 0 | ő | ŏ | .315 |
| 08417N06W | ŏ | .097 | ő | ő | ŏ | .097 | ŏ | ŏ | ő | ŏ | ő | ő | .097 |
| Total | 19,804 | 2.283 | 0 | θ | 0 | 2.283 | 301.786 | <.001 | 0 | ø | θ | <.001 | 323.873 |

Table 21. Water Withdrawals within SMSA's, Estimated and Reported 1984

| SMSA's* | Public supply (mgd) | Self-supplied industry (mgd) | Rurat (mgd) | Fish and wildlife (mgd) | Total |
|-------------------------------------|---------------------------|------------------------------------|----------------|-------------------------------|-----------|
| Bloomington-Normal | 11. 99 8 | .897 | 5.976 | .007 | 18.878 |
| Champaign-Urbana- Rantoul | 19.584 | 9,993 | 3.222 | .001 | 32.799 |
| Chicago | 1318.239 | 6473.336 | 77.857 | .062 | 7869.494 |
| Davenport-Rock Island-Moline(IL) | 23.835 | 902.318 | 9.423 | .011 | 935.587 |
| Decatur | 28.183 | 6.395 | 1.426 | <.001 | 36.005 |
| Kankakee | 12.375 | .207 | 6.996 | .002 | 19.580 |
| Peoria | 39.526 | 1070.535 | 21.041 | .002 | 1131.104 |
| Rockford | 37.576 | 741.678 | 9.550 | .006 | 788.810 |
| St. Louis(IL) | 82.215 | 401.779 | 15.631 | .001 | 499.626 |
| Springfield | 22.843 | 301.786 | 2.175 | <.001 | 326.804 |
| SMSA areas | 1596,374 | 9908, 924 | 153,298 | .092 | 11658.689 |
| non-SMSA areas | 200,697 | 24713.959 | 227.442 | 30.892 | 25172.990 |
| State total | 1797,071 | 34622.883 | 380.740 | 30.984 | 36831.679 |

Table 22. Water Withdrawals within SMSA's, Excluding Electrical Power Generation, Reported 1984

| SMSA's* | Public supply (mgd) | Self-supplied industry (mgd) | Rural (mgd) | Fish and wildlife (mgd) | Total |
|-------------------------------------|---------------------------|------------------------------------|----------------|-------------------------------|----------|
| Bloomington-Normal | 11.998 | .897 | 5.976 | .007 | 18.878 |
| Champaign-Urbana- Rantoul | 19.584 | 9.993 | 3.222 | .001 | 32.799 |
| Chicago | 1318.239 | 350.230 | 77.857 | .062 | 1746.389 |
| Davenport-Rock Island-Moline(IL) | 23,835 | 21.852 | 9.423 | .011 | 55.121 |
| Decatur | 28.183 | 6.395 | 1.426 | <.001 | 36.005 |
| Kankakee | 12.375 | .207 | 6.996 | .002 | 19.580 |
| Peoria | 39.526 | 59.610 | 21.041 | .002 | 120,180 |
| Rockford | 37.576 | 6.628 | 9.550 | .006 | 53.760 |
| St. Louis(IL) | 82.215 | 68.769 | 15.631 | ,001 | 166.616 |
| Springfield | 22.843 | 1.579 | 2.175 | <.001 | 26.597 |
| SMSA areas | 1596.374 | 526.160 | 153.298 | .092 | 2275.923 |
| non-SMSA areas | 200,697 | 212,961 | 227.442 | 30.892 | 671.993 |
| State total | 1797.071 | 739.121 | 380.740 | 30.984 | 2947.916 |

^{*} Bloomington-Normal = McLean Co.
Champaign-Urbana-Rantoul = Champaign Co.
Chicago = Cook. DuPage. Kane. Lake. McHenry. & Will Co.
Davcnport-Rock Island-Moline(IL) = Rock Island & Henry Co.
Decatur = Macon-Co.

Kankakee = Kankakee Co.
Peoria = Peoria. Tazewell. & Woodford Co.
Rockford = Boone & Winnebago Co.
St. Louis(IL) = Clinton, Madison, Monroe. & St. Clair Co.
Springfield = Menard & Sangamon Co.