Ground-Water Pumpage from the Gulf Coast Aquifer Systems, 1960–85, South-Central United States

By Thomas O. Mesko, Thomas A. Williams, D.J. Ackerman, and Alex K. Williamson

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations Report 89-4180

A Contribution of the
Regional Aquifer-Systems
Analysis Program

Austin, Texas
1990

DEPARTMENT OF THE INTERIOR

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CONVERSION FACTORS

For those readers who may prefer to use metric (International System) units rather than inch-pound units, conversion factors for the terms used in this report are listed below:

Multiply	By	To obtain
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
gallon per day (gal/d)	0.003785	cubic meter per day
million gallons per day (Mgal/d)	3,785	cubic meter per day

GROUND-WATER PUMPAGE FROM THE GULF COAST AQUIFER SYSTEMS, 1960-85, SOUTH-CENTRAL UNITED STATES

by

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ABSTRACT

The gulf coast aquifer systems of the south-central United States were divided into 10 model layers for regional analysis of ground-water flow. Detailed estimates of 1980 fresh ground-water pumpage were made for each layer underlying each 25-square-mile area of the model grid. Total pumpage by county was compiled at 5-year intervals for the period 1960-85. Total ground-water pumpage by county for years other than 1980 generally was assigned to layers and 25-square-mile areas in the same proportion as total pumpage by county in 1980.

Total ground-water pumpage in the gulf coast aquifer systems increased by a factor of 2.5 during 1960-80, from 3,800 to 9,500 million gallons per day but decreased by 7 percent to 8,900 million gallons per day in 1985. This was consistent with a nationwide decline of about 12 percent between 1980 and 1985. About 12 percent of all ground water pumped in the United States is withdrawn from aquifers in the study area. Harris County, Texas, had the largest total pumpage of ground water during 1960-85 of all counties in the study area. A total of 380 million gallons per day of ground water was pumped in Harris County during 1985. Of that total, 360 million gallons per day was pumped mostly for public supply and industry combined. The largest withdrawals for irrigation occurred in Poinsett and Lonoke Counties, Arkansas, where 300 million gallons per day in each county was pumped for irrigation during 1985.

The total number of 25-square-mile areas with ground-water pumpage equal to or greater than 0.5 million gallons per day increased from about 1,500 during 1960 to about 2,500 during 1985. However, total ground-water pumpage increased at a proportionately faster rate, indicating that pumpage increased most rapidly in areas where ground-water supplies had been previously developed. Detailed pumpage data are available on a floppy disk upon request.

INTRODUCTION

The U.S. Geological Survey began an investigation in 1981 to describe the ground-water resources of the Gulf Coastal Plain in the south-central part of the United States as part of the Survey's Regional Aquifer-System Analysis (RASA) program. The RASA program (Sun, 1986), which began in 1978, was authorized by Congress to develop quantitative appraisals of the major ground-water systems of the United States. The Gulf Coast Regional Aquifer-System Analysis (GC RASA) study area (fig. 1) occupies

Manuscript approved for publication November 7, 1989.

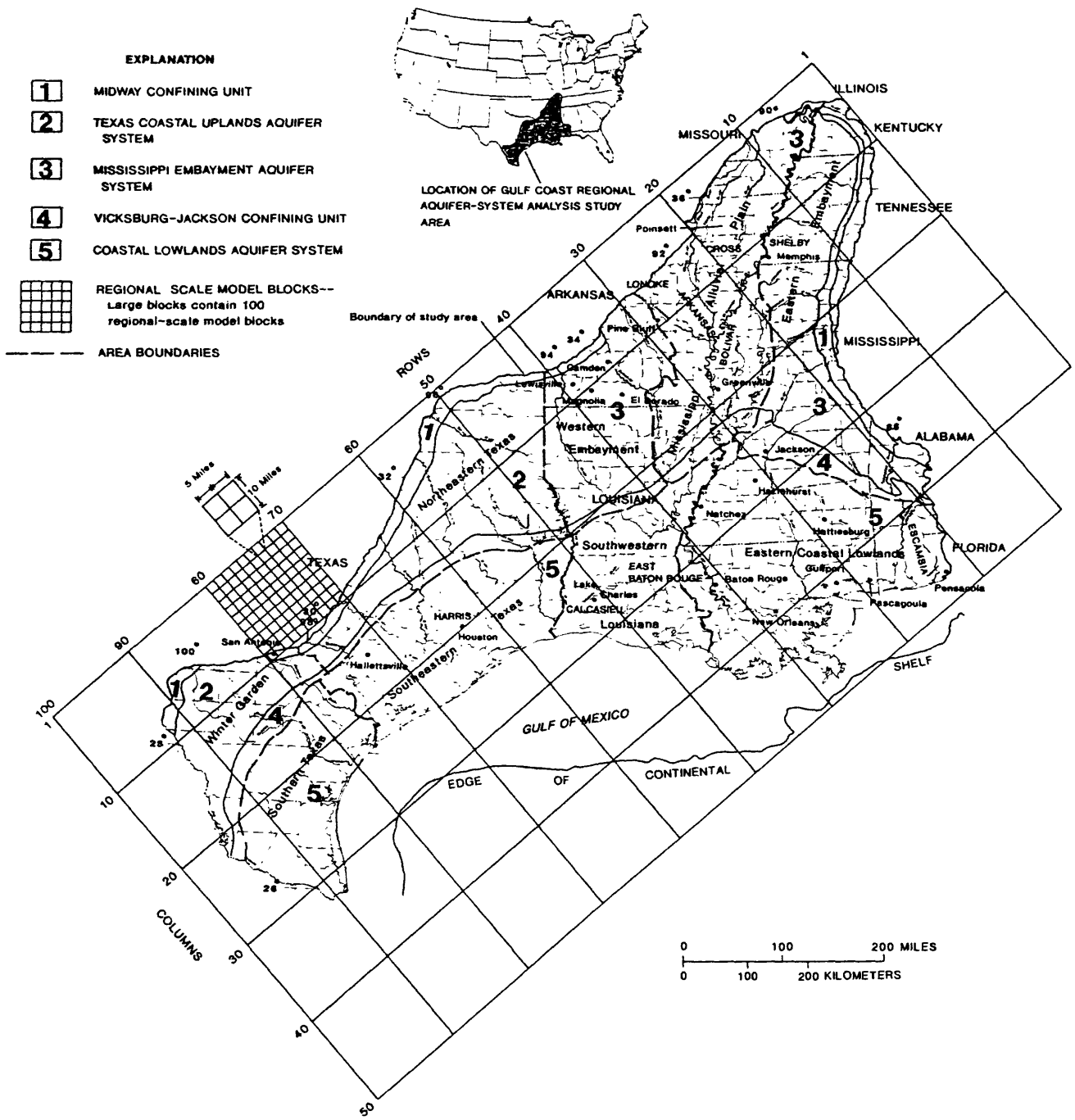


Figure 1.--Location of study area, aquifer systems, model grid, and areas.

about 230,000 square miles onshore in Louisiana and parts of Alabama, Arkansas, Florida, Illinois, Kentucky, Mississippi, Missouri, Tennessee, and Texas. An additional 60,000 square miles located offshore on the Continental Shelf is included in the study area (Grubb, 1984).

Large quantities of both surface water and ground water are withdrawn for use within the study area. During 1980, ground-water withdrawals were about one-half as large as surface-water withdrawals, based on a compilation of county totals from the references given in table 9.

From a national perspective, about 12 percent of all ground-water pumped in the United States is withdrawn from aquifers in the study area. Ground-water pumpage for irrigation, public supply, and industry accounts for most of the ground-water pumpage in the study area (Grubb, 1984, p. 15-20). Most use of ground water for irrigation occurs in four large geographic areas (Grubb, 1984, p. 19). The largest area in the Mississippi Alluvial Plain extends from southeastern Missouri, southward through eastern Arkansas, northwestern Mississippi, and the northeastern corner of Louisiana. The second area includes parts of several parishes in southwestern Louisiana. The other two areas are in Texas: one extends westward from Houston and includes parts of several counties; the fourth area extends from near San Antonio, southwestward to the vicinity of the Rio Grande and includes parts of several counties. Ground-water pumpage for public supply and industry generally is located near densely populated areas (fig. 2a). Within the study area, pumpage in densely populated areas during 1985 occurred in Houston, Texas, New Orleans and Baton Rouge, Louisiana, Jackson, Mississippi, and Memphis, Tennessee. Trends in ground-water pumpage, especially pumpage for public supply, are influenced by population trends. Population in the study area almost doubled during the period 1930-80 (fig. 2b).

The principal sources of ground water withdrawn in the Gulf Coast RASA study area are three regional aquifer systems; the Mississippi embayment aquifer system, the Texas coastal uplands aquifer system, and the coastal lowlands aquifer system (fig. 1, Grubb, 1984). These aquifer systems have been described in detail by Grubb (1986), Wilson and Hosman (1987), Arthur and Taylor (1987), Ackerman (1989), Brahana and Mesko (1988), Martin and Whiteman (1989), and Ryder (1988). The aquifer systems were subdivided vertically into layers for simulation of ground-water flow (Weiss and Williamson, 1985, and Hosman, 1988). Table 1 shows the correlation among aquifer systems, aquifers, permeable zones, confining units, and model layer. The outcrop patterns of geohydrologic units are shown in figure 3 and the generalized vertical relation of the units is shown in figure 4.

The purpose of the Gulf Coast RASA study is to define the geohydrologic framework, geochemistry, and ground-water flow patterns on a regional scale. Both regional- and subregional-scale ground-water flow models were selected as tools to investigate flow patterns. A rectangular grid subdivided by squares that are 10 miles on each side was used for the regional model. Subsets of the regional grid with squares that are 5 miles on a side were used for the subregional models (fig. 1).

Computer simulation of historical ground-water flow in the study area requires estimates of the quantity of ground water pumped from each layer underlying the geographic area covered by each square of the rectangular grid. Estimates of ground-water pumpage at this level of detail were not readily available in the study area. Typically published estimates of total ground-water pumpage by county for the years 1975 and 1980 were available. However, for years prior to 1975 and for several States, county estimates of ground-water pumpage were available only from unpublished data in files of the U.S. Geological Survey or State agencies.

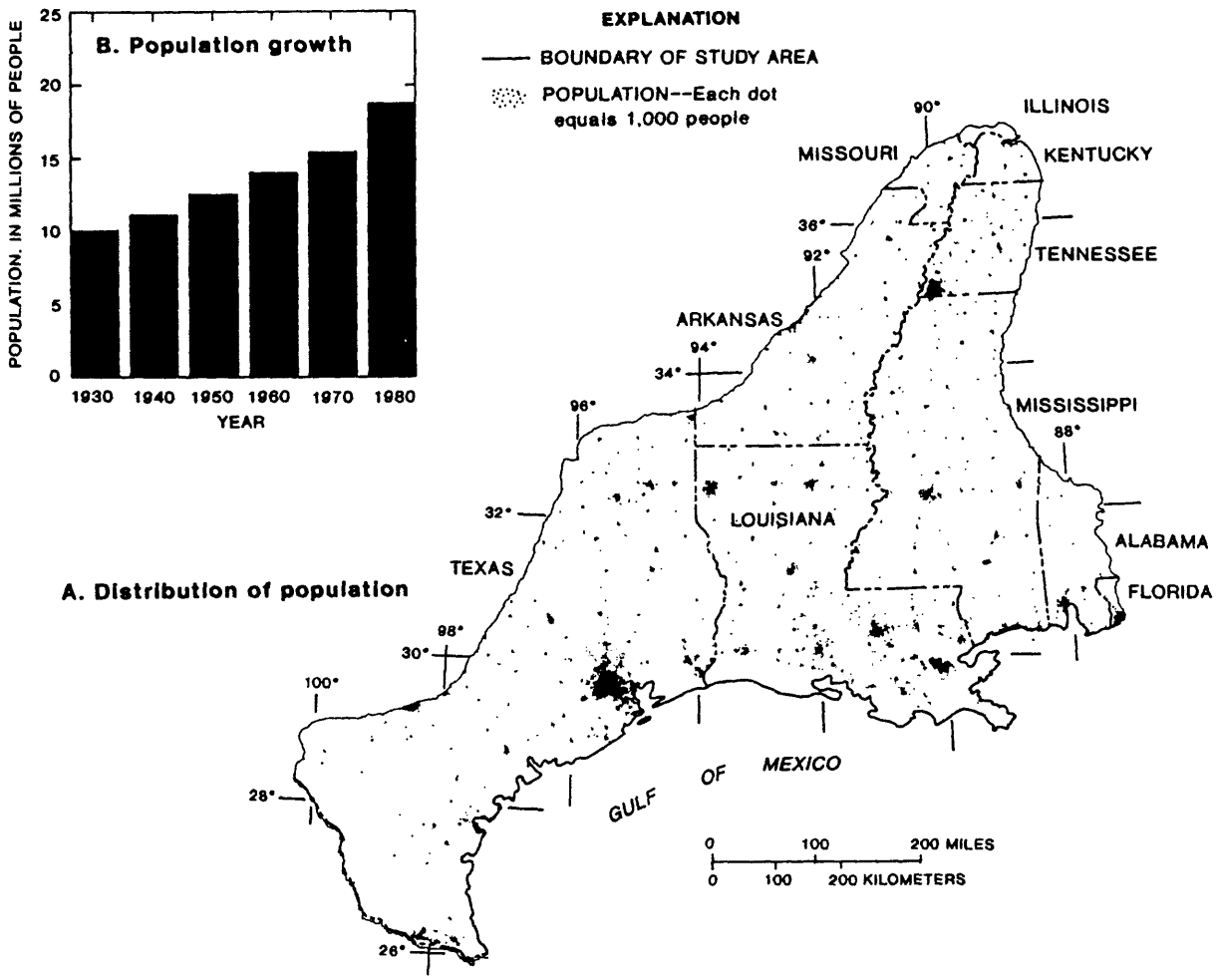


Figure 2.--A. Distribution of population , 1985 and B. growth in study area, 1930-80. (Source data: A. from U.S. Bureau of Census, 1980 decennial census files, adjusted to the 1985 U.S. Bureau of the Census data for county populations; B. U.S. Bureau of the Census, 1982, 1980 census of population, parts: 2, 5, 11, 15, 19, 20, 26, 27, 44, and 45.)

Therefore, to obtain the detailed data required for the Gulf Coast RASA study, estimates of ground-water pumpage during 1980 were made for each layer underlying the 25-square-mile geographic area covered by each square of the model grid. Total pumpage of fresh ground water by county also was compiled from both published and unpublished sources at 5-year intervals for the period 1960-85. For years other than 1980, county estimates of ground-water pumpage generally were assigned to layers and squares of the model grid in the same proportion as total pumpage by county in 1980.

Acknowledgments

The detailed work of assigning 1980 ground-water pumpage to specific layers and squares of the model grid was done by personnel in various offices of the U.S. Geological Survey. We wish to thank the following individuals for the essential work that they did, thus making this report possible: Kenneth Stafford, Arkansas; Michael Planert, Alabama; James Hunn, Florida; Robert Davis, Kentucky; Angel Martin, Jr. and Charles Whiteman, Jr., Louisiana; J.K. Arthur and Richard Taylor, Mississippi; William Parks, Tennessee; and Paul Rettman and Sergio Garza, Texas.

Table 1.--*Relation among aquifer systems, regional model layers, aquifers, permeable zones, and confining units*

[Modified from Wilson and Hosman, 1987, p. 5.]

Aquifer system	Regional model layer number	Regional geohydrologic units
Coastal lowlands	11	Permeable zone A (Holocene-upper Pleistocene deposits)
	10	Permeable zone B (lower Pleistocene-upper Pliocene deposits)
	9	Permeable zone C (lower Pliocene-upper Miocene deposits)
	17	Zone D confining unit
	8	Permeable zone D (middle Miocene deposits)
	16	Zone E confining unit
	7	Permeable zone E (lower Miocene-upper Oligocene deposits)
	15	Vicksburg-Jackson confining unit (Oligocene Vicksburg Group and Eocene Jackson Group)
Texas coastal uplands and Mississippi embayment	11 *	Mississippi River Valley alluvial aquifer
	6	Upper Claiborne aquifer
	14	Middle Claiborne confining unit
	5	Middle Claiborne aquifer
	13	Lower Claiborne confining unit
	4	Lower Claiborne-upper Wilcox aquifer
	3	Middle Wilcox aquifer
	2 *	Lower Wilcox aquifer (Eocene Claiborne Group and Eocene and Paleocene Wilcox Group)
	12	Midway confining unit (Paleocene Midway Group)
	1 *	McNairy-Nacatoch aquifer (Cretaceous McNairy and Nacatoch Sands)

* Not in Texas coastal uplands aquifer system

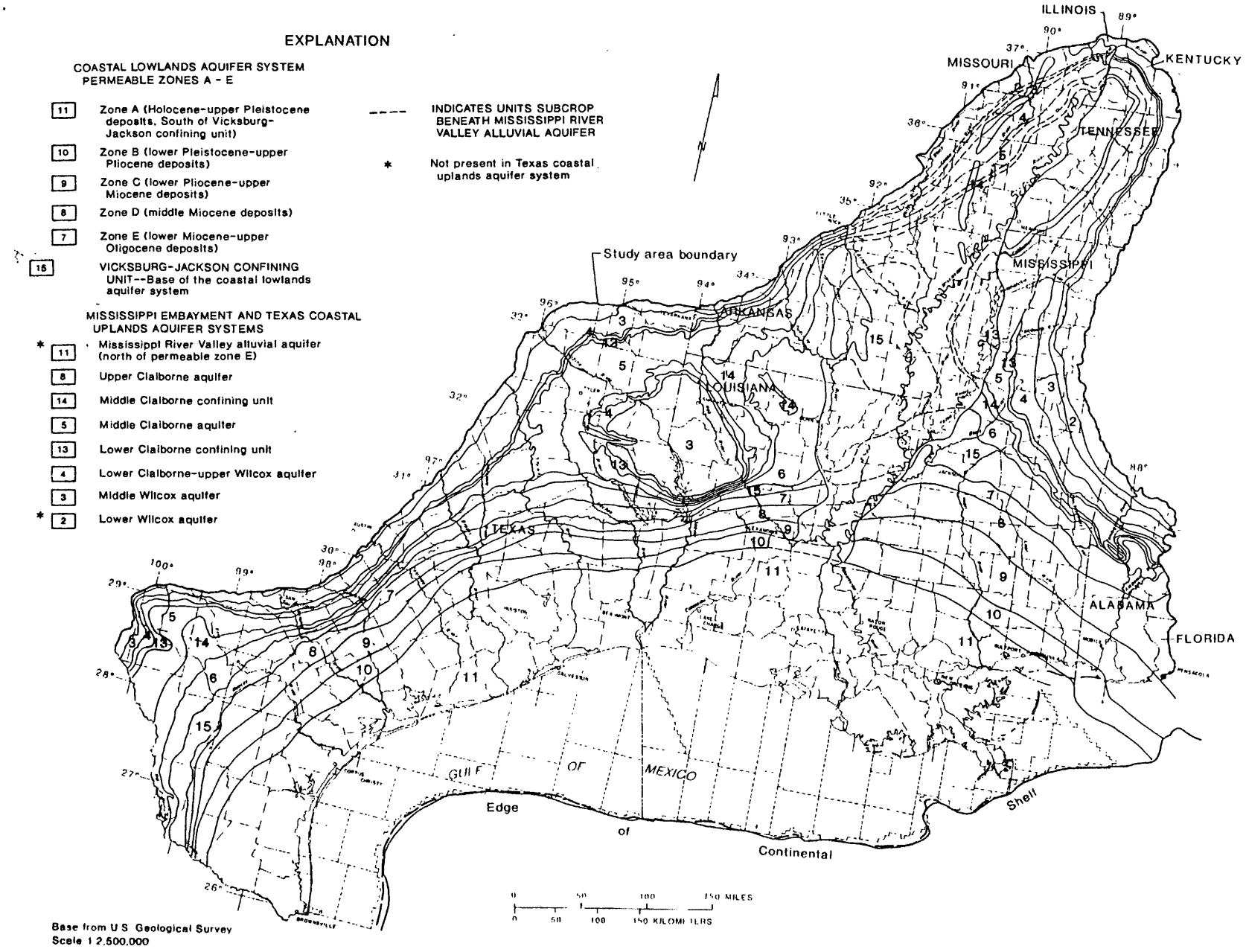


Figure 3.--Generalized outcrop of regional geohydrologic units.

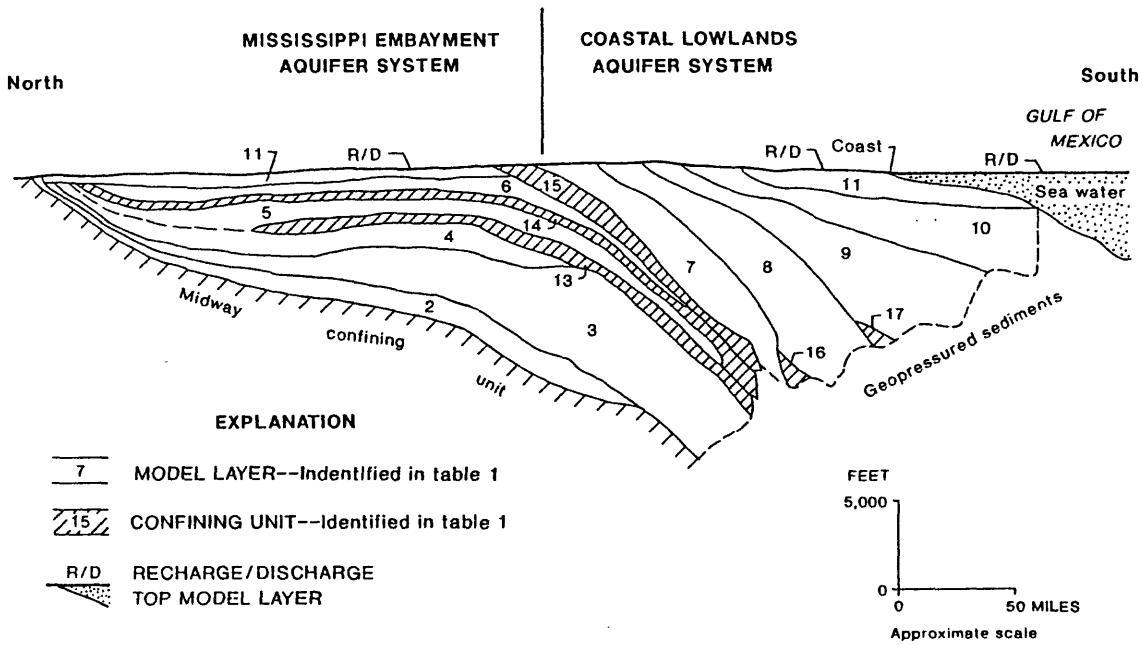


Figure 4.--Idealized diagram from northern edge of study area to edge of Continental Shelf showing vertical relation of model layers. (From Williamson, 1987)

Purpose and Scope

This report presents details and summaries of ground-water-pumpage data for the Gulf Coast RASA study area for the period 1960-85. First, summaries are presented of the data aggregated in a variety of ways. This is followed by a detailed discussion of the methods used to (1) assign 1980 pumpage data to specific layers and squares of the model grid and (2) distribute total pumpage by county from other years to layers and squares of the model grid. Finally, pumpage data for 1980 are presented by layer for each square of the model grid in tabular form and on maps by layer for all squares with 0.5 Mgal/d or more pumpage. Total pumpage by county at 5-year intervals for the period 1960-85 also is included in tabular form. Pumpage from the McNairy-Nacatoch aquifer, which underlies the Mississippi embayment aquifer system was estimated by J.V. Brahana and T.O. Mesko (1988) and is not included in this report.

TRENDS OF GROUND-WATER PUMPAGE

Total ground-water pumpage increased from 1960 to 1980 by a factor of 2.5 from 3,800 to 9,500 Mgal/d. However, total pumpage declined during 1980-85 by 7 percent to 8,900 Mgal/d (fig. 5 and table 2), which coincided with a nationwide decline in ground-water pumpage between 1980 and 1985 of about 12 percent (Solley and others, 1988).

The many categories of water use that are typically found in published reports were combined into three simple categories for purposes of this report: irrigation, public supply, and industrial. The irrigation category also includes aquaculture (fish farms, locally a major use in Arkansas and Mississippi); other rural use variously reported as rural self-supplied, rural domestic, and rural livestock; and mining. The public supply category typically was used as reported; however, the rural system and municipal categories reported in Mississippi were combined. The industrial category includes uses reported as industrial, self-supplied industry, power generation, and thermoelectric. In some of the subsequent discussions and graphs, the public-supply and industrial categories are combined.

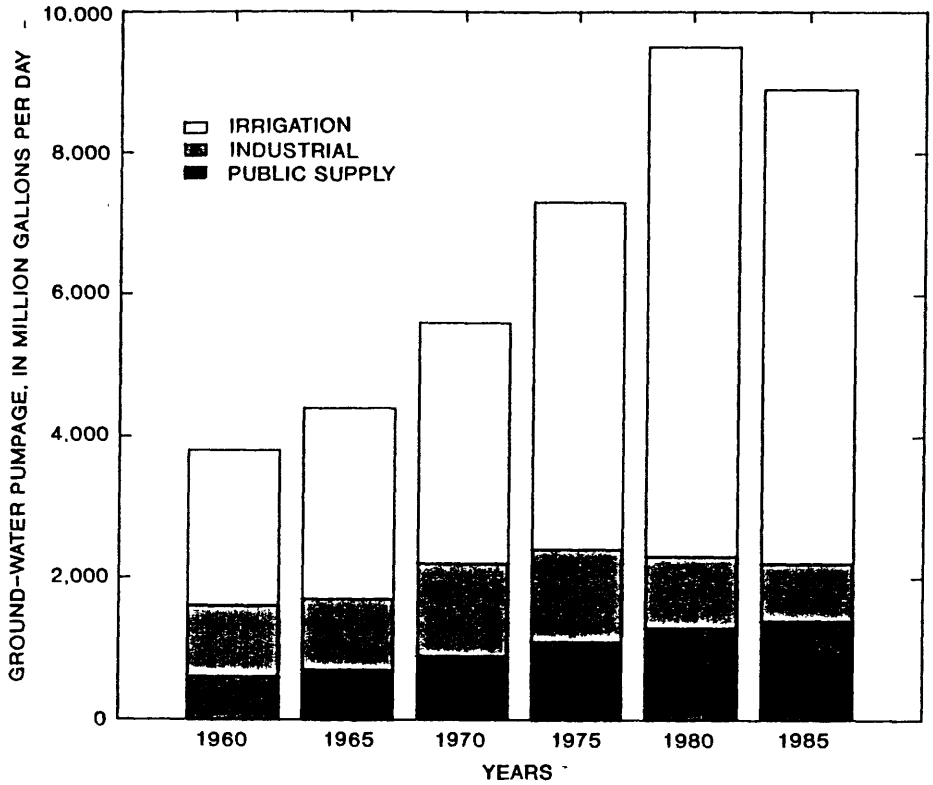


Figure 5.--Ground-water pumpage by major category of use, 1960-85.

Table 2.--*Summary of ground-water pumpage by major category of use, 1960-85*

[Quantity in million gallons per day; figures may not add to total because of independent rounding.]

Year	Public Supply	Industrial	Irrigation	Total
1960	600	1,000	2,200	3,800
1965	700	1,000	2,700	4,500
1970	900	1,300	3,400	5,500
1975	1,100	1,300	4,900	7,300
1980	1,300	1,000	7,200	9,500
1985	1,400	800	6,700	8,900

Trend By Major Category of Use

Pumpage for public supplies increased during 1960-85 from 600 to 1,400 Mgal/d reflecting population growth in the southern part of the United States (fig. 2b). The recent decline in total pumpage during 1980-85 was caused by decreases in industrial and irrigation pumpage. Industrial pumpage during 1960-75 increased from 1,000 to 1,300 Mgal/d, with peak years in 1970 and 1975, but decreased to 800 Mgal/d during 1985. Withdrawals for irrigation more than tripled during 1960-80, increasing from 2,200 to 7,200 Mgal/d. However, irrigation pumpage declined to 6,700 Mgal/d during 1980-85, in part due to weather, economic factors, and to more efficient application of irrigation water. Declines in ground-water pumpage for industry and irrigation in the study area are consistent with reported declines nationwide (Solley and others, 1988).

Trend By Areal Distribution

Distribution of pumpage from all aquifers during 1960-85 (figs. 6a-6f) indicates a changing pattern of pumpage with respect to time. During 1960, the largest areas of pumpage were located along the gulf coast associated with irrigation of rice and with populated urban areas. During 1985, the largest areas of pumpage were located in the northern Mississippi embayment associated with large-scale irrigation of crops, and aquaculture (or fish farming). Pumpage near populated areas has increased in quantity and in areal extent indicating the growth of metropolitan areas. Populated areas that had large-scale pumpage during 1960 and during 1985 were Houston, Texas, Lake Charles and Baton Rouge, Louisiana, and Memphis, Tennessee.

Trend By Aquifer System

The largest increase in pumpage occurred in the Mississippi embayment aquifer system (fig. 7 and table 3) where pumpage increased from 1,500 Mgal/d during 1960 to 5,900 Mgal/d during 1980, then declined slightly to 5,600 Mgal/d during 1980-85. The second largest increase in pumpage occurred in the coastal lowlands aquifer system where pumpage increased from 2,000 to 3,200 Mgal/d from 1960 to 1980 and declined slightly to 2,800 Mgal/d during 1980-85. The Texas coastal uplands aquifer system had the smallest total pumpage and the smallest increase in pumpage of the three aquifer systems. In this aquifer system, pumpage increased from 270 to 460 Mgal/d during 1960-80 and declined slightly to 430 Mgal/d during 1980-85.

Trend By State

In recent years, Arkansas has been the State with the largest withdrawals of ground water in the study area (fig. 8 and table 4). Ground-water pumpage during 1960-80 increased due to irrigation, from 980 to 4,100 Mgal/d but declined to 3,800 Mgal/d by 1985. Pumpage in Arkansas during 1985 was more than 2.5 times that of Texas, (1,500 Mgal/d during 1985) or Louisiana and Mississippi, (1,400 Mgal/d each during 1985).

Ground-water pumpage in Texas continually increased from 1,100 to 1,700 Mgal/d during 1960-80 due to increased public-supply and industrial pumpage in southeastern Texas. Ground-water pumpage in Louisiana increased from 1,000 to 1,800 Mgal/d during 1960-80 due to increased rice irrigation. Ground-water pumpage in Mississippi increased from 360 to 1,300 Mgal/d during 1960-80 due to increases in irrigation, public-supply, and industrial withdrawals.

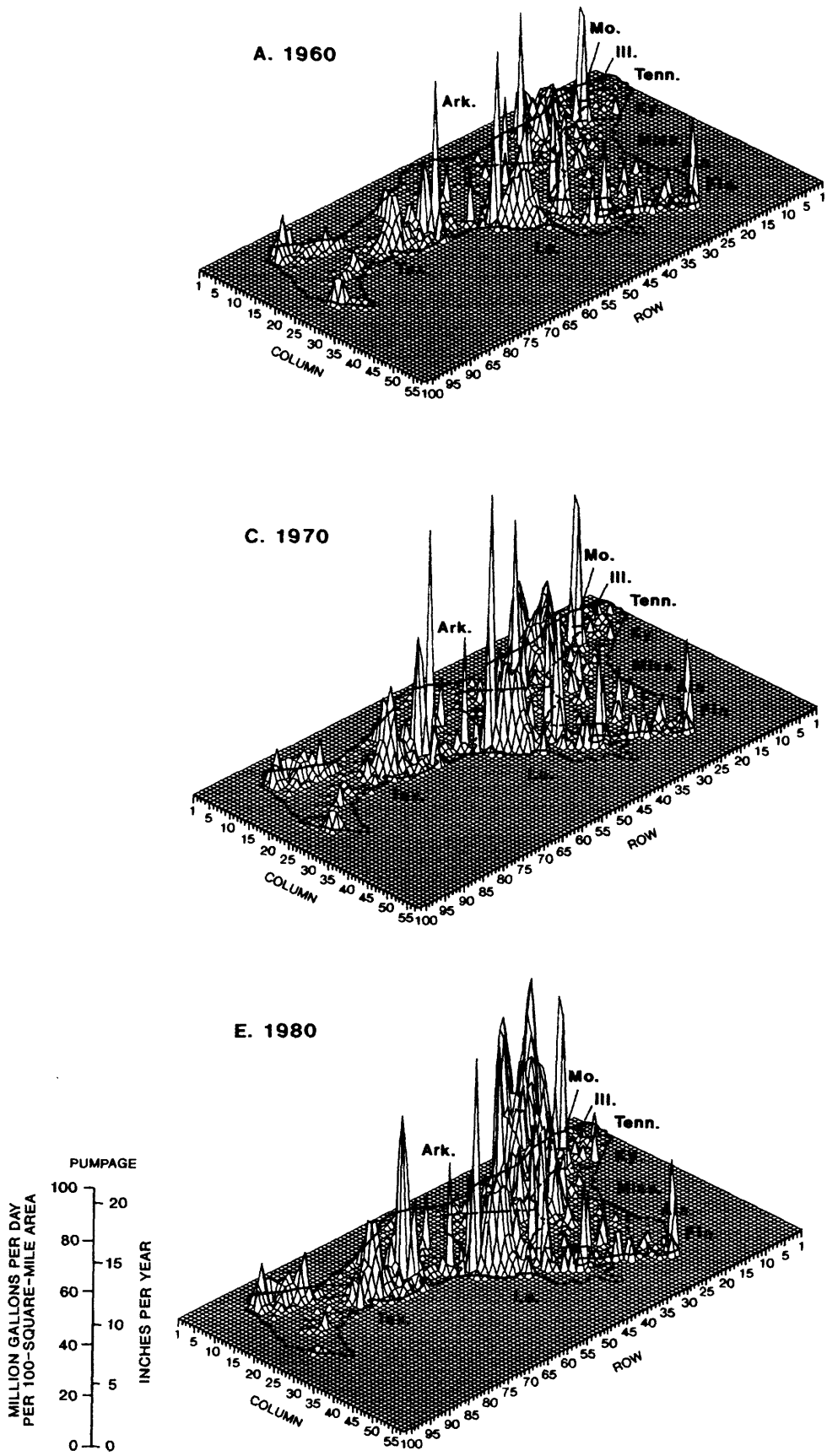
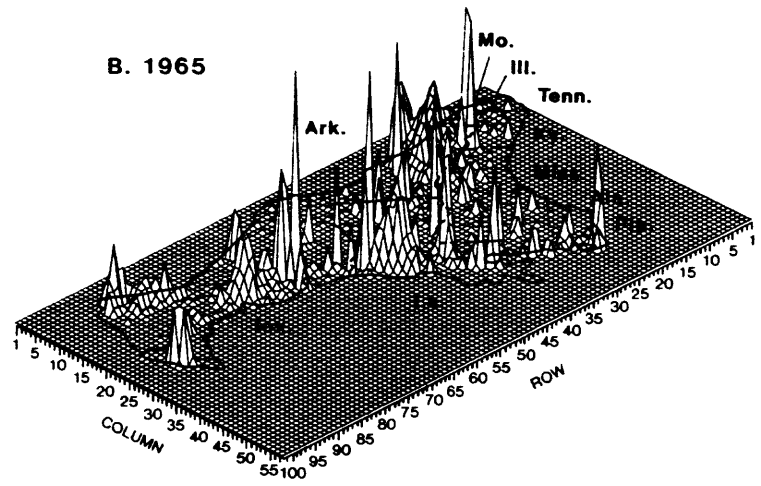
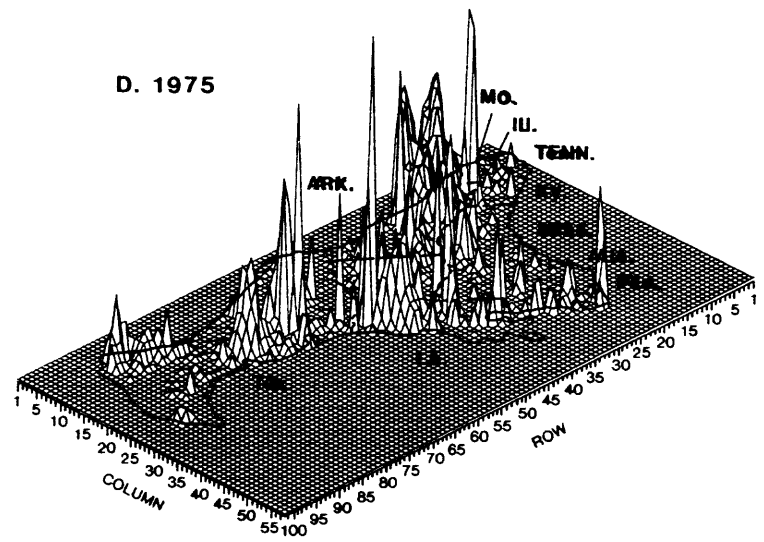


Figure 6.--Distribution of total ground-water pumpage from all aquifers.





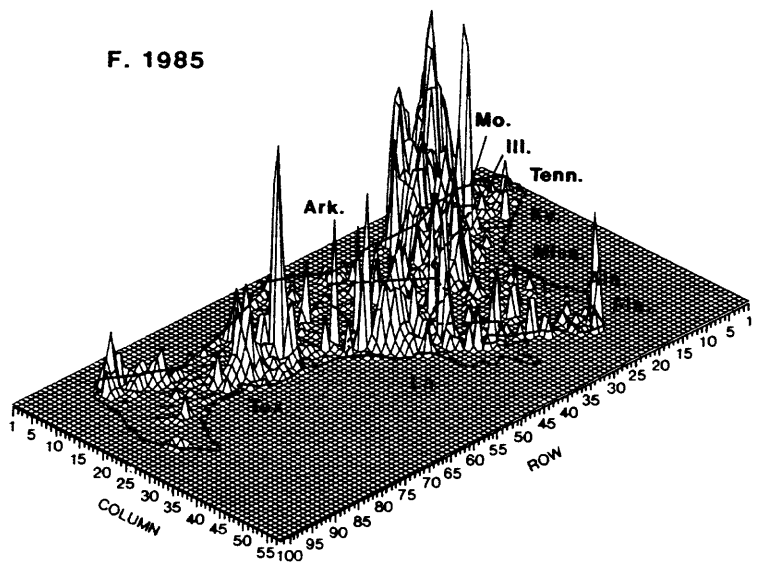


Figure 6.--Continued.

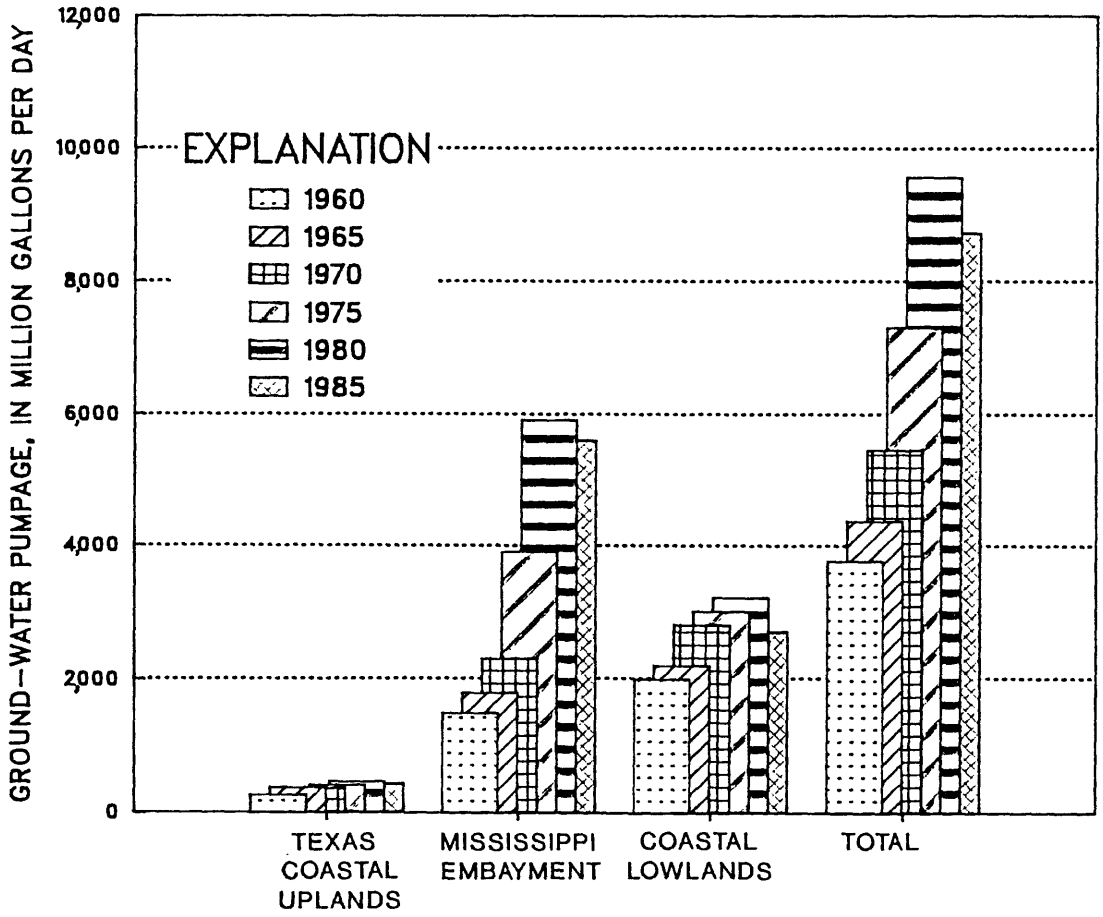


Figure 7.—Ground-water pumpage by aquifer system, 1960–85.

Table 3.--*Summary of ground-water pumpage by aquifer system, 1960-85*

[Quantity in million gallons per day; figures may not add to total because of independent rounding.]

Year	Aquifer system		
	Mississippi embayment	Texas coastal uplands	Coastal lowlands
1960	1,500	270	2,000
1965	1,800	380	2,300
1970	2,300	360	2,900
1975	3,900	410	3,000
1980	5,900	460	3,200
1985	5,600	430	2,800

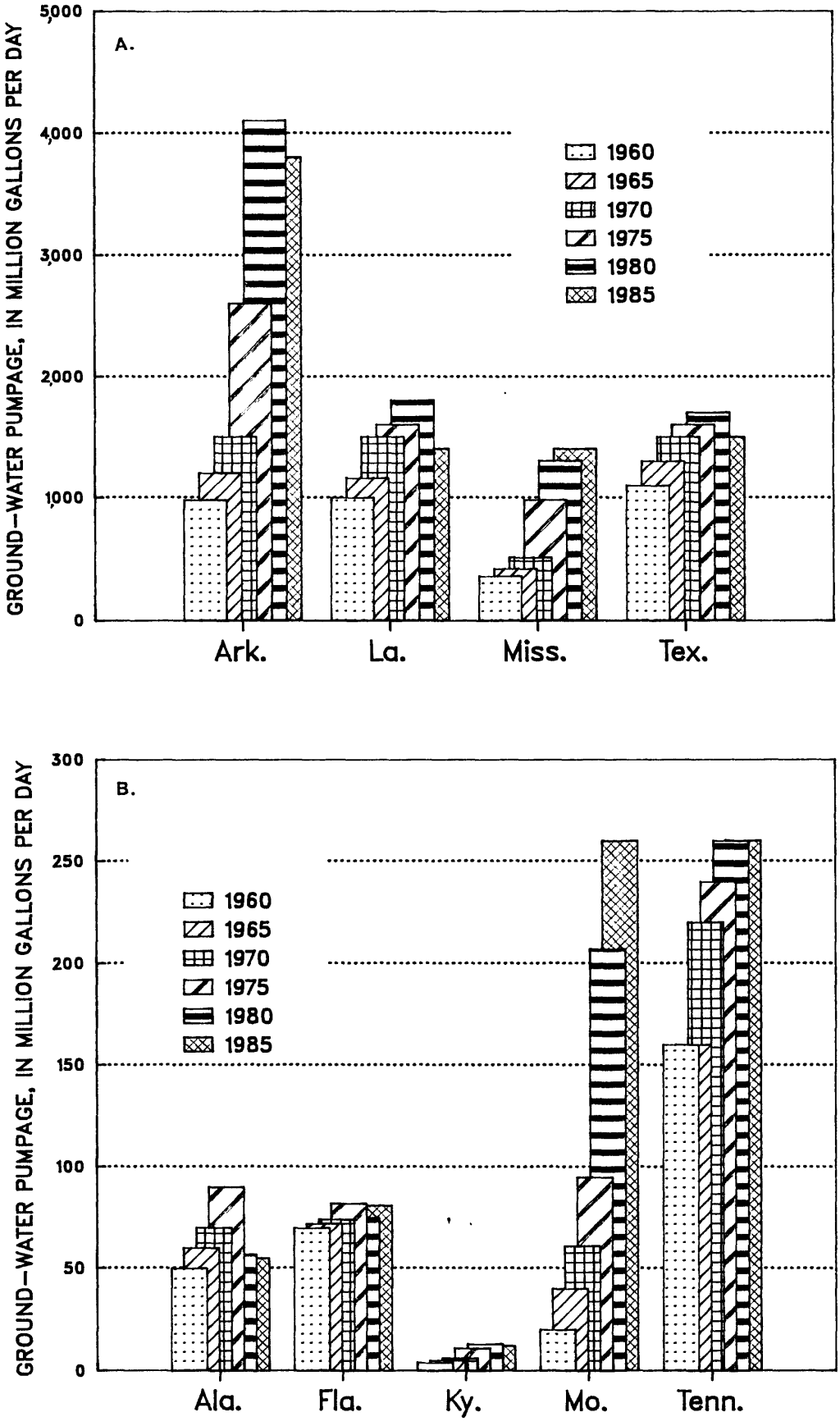


Figure 8.--Ground-water pumpage by State, 1960-85.

Table 4.--*Summary of ground-water pumpage by State, 1960-85*

[Quantity in million gallons per day; figures may not add to total because of independent rounding; Illinois pumpage is negligible.]

Year	State								
	Alabama	Arkansas	Florida	Kentucky	Louisiana	Mississippi	Missouri	Tennessee	Texas
1960	50	980	70	<10	1,000	360	20	160	1,100
1965	60	1,200	70	10	1,200	420	40	160	1,400
1970	70	1,500	70	10	1,500	510	60	220	1,600
1975	90	2,600	80	10	1,600	980	90	240	1,700
1980	60	4,100	80	10	1,800	1,300	210	260	1,700
1985	60	3,800	80	10	1,400	1,400	260	260	1,500

Table 5.--*Summary of ground-water pumpage by model layer, 1960-85*

[Quantity in million gallons per day; figures may not add to total because of independent rounding.]

Year	Model layer number									
	2	3	4	5	6	7	8	9	10	11
1960	40	40	250	380	50	60	170	190	260	2,400
1965	50	60	330	390	60	70	210	230	320	2,800
1970	60	70	350	470	70	80	250	300	420	3,500
1975	70	80	430	510	60	100	310	340	460	5,000
1980	70	100	440	560	70	90	290	360	470	7,100
1985	80	120	410	530	60	100	320	350	420	6,400

Ground-water pumpage in Missouri increased rapidly during 1960-85 (from 20 to 260 Mgal/d) because of a large increase in the irrigation of rice. Pumpage in Tennessee also increased from 160 to 260 Mgal/d during 1960-85. This increase was largely due to public-supply withdrawals in and near Memphis, Tennessee. Ground-water pumpage in Alabama was about the same during 1985 (60 Mgal/d) as during 1960 (50 Mgal/d) but almost 45 percent greater during 1975 (90 Mgal/d). The decrease from 1975 to 1985 is, in part, due to a decrease in pumpage for industry (Mettee and others, 1978; Baker and others, 1982; and Baker and Mooty, 1987). Pumpage in Florida was relatively constant ranging from 70 to 80 Mgal/d during 1960-85. Ground-water pumpage in Kentucky was about 10 Mgal/d and Illinois had negligible pumpage in the study area.

Trend By Model Layer

The most heavily pumped layer designated for modeling purposes in the study area is layer 11 (fig. 9 and table 5), which includes the Mississippi River Valley alluvial aquifer (fig. 3) in the Mississippi embayment aquifer system (table 1) and permeable zone A in the coastal lowlands aquifer system. Pumpage from this layer continually increased from 2,400 to 7,100 Mgal/d during 1960-80, and then declined to 6,400 Mgal/d by 1985. Layer 11 is the primary source of water for irrigation through much of the area of the Mississippi embayment and coastal lowlands aquifer systems (fig. 10). During 1985, pumpage from all other layers (2-10) totaled slightly more than one third of the pumpage from layer 11. Layer 5 is heavily pumped in the Mississippi embayment but only slightly pumped in the Texas coastal uplands aquifer system. Pumpage from layer 5 during 1960-85 ranged from 380 to 560 Mgal/d, primarily for public supplies (fig. 11a). Layer 10 occurs in the coastal lowlands aquifer system and is a primary source of water in the Houston area, Texas. During 1960-85, pumpage ranged from 260 to 470 Mgal/d (fig. 11b). Pumpage in layer 4 ranged from 250 to 440 Mgal/d and is widely scattered along the eastern margin of the Mississippi embayment, but is largely concentrated in the Winter Garden area of southern Texas.

Trend By Area

The Gulf Coast RASA study area was subdivided into nine geographic areas (fig. 1) on the basis of geographic, geologic, or hydrologic boundaries. These geographic areas help in comparing and contrasting regional trends in ground-water pumpage. The areas are: 1) Winter Garden; 2) northeastern Texas; 3) western embayment; 4) Mississippi Alluvial Plain; 5) eastern embayment; 6) southern Texas; 7) southeastern Texas; 8) southwestern Louisiana; and 9) eastern coastal lowlands.

The largest sustained pumpage occurred in the Mississippi Alluvial Plain where ground-water pumpage increased from 1,300 to 5,600 Mgal/d during 1960-80 and decreased to 5,300 by 1985 (fig. 12 and table 6). Irrigation was the principal use of ground water in the Mississippi Alluvial Plain during 1960-85 (fig. 13). The primary source of ground water in this area is the Mississippi River Valley alluvial aquifer.

Pumpage in southeastern Texas increased from 760 to 1,200 Mgal/d during 1960-80 and decreased to 1,000 Mgal/d by 1985. The southeastern Texas area is underlain by several layers of the coastal lowlands aquifer system. Major pumping centers are located in the Houston area of Harris County and the rice-irrigation areas of Jackson and Wharton Counties. Pumpage of ground water in southeastern Texas for irrigation has been about equal to that for public supply and industry combined during 1960-85 (fig. 13).

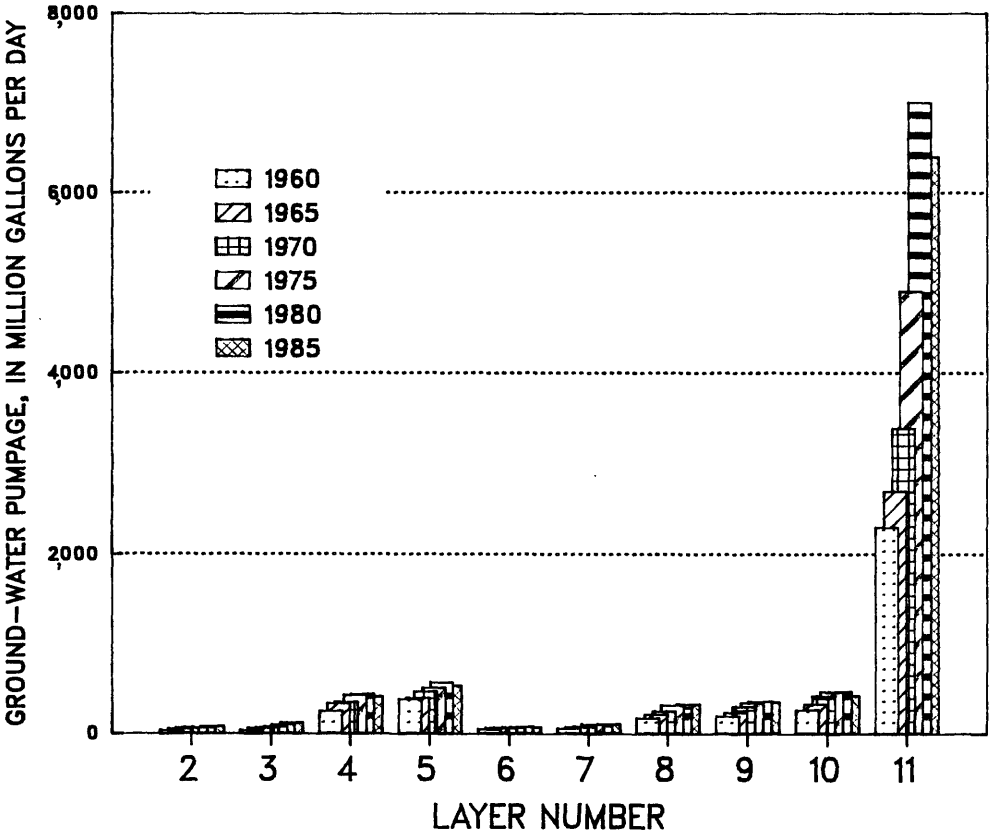


Figure 9.--Ground-water pumpage for layers 2-11, 1960-85.

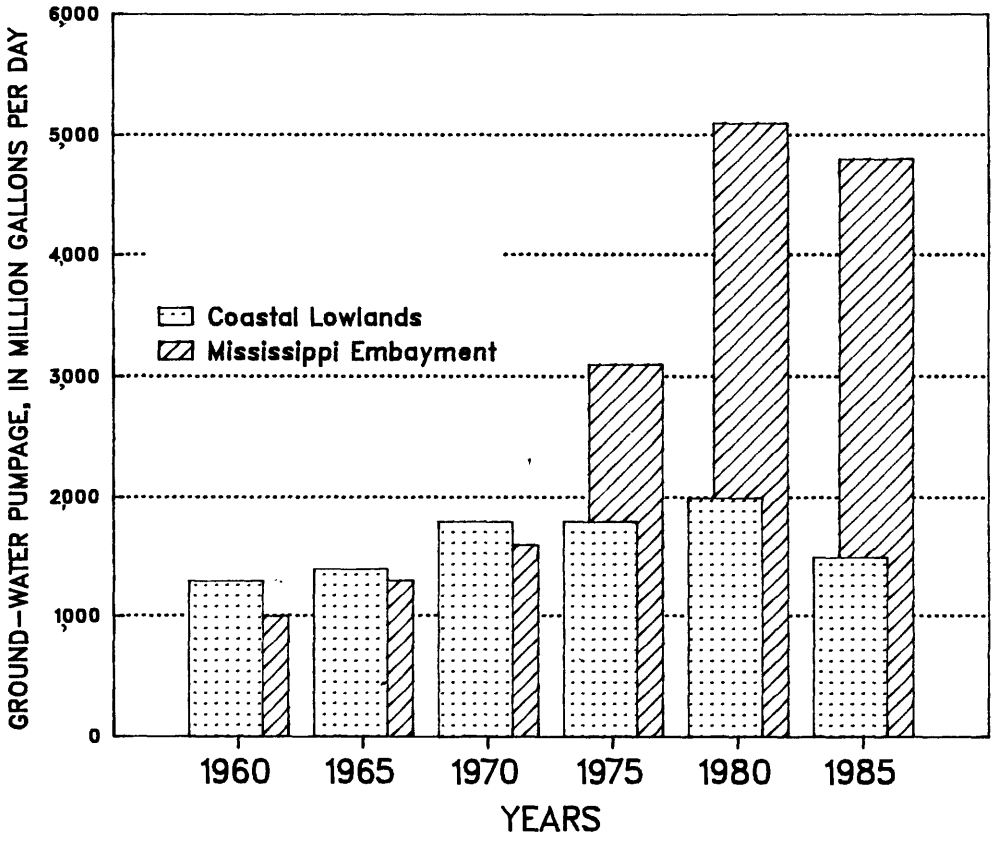


Figure 10.--Ground-water pumpage from layer 11 by aquifer system, 1960-85.

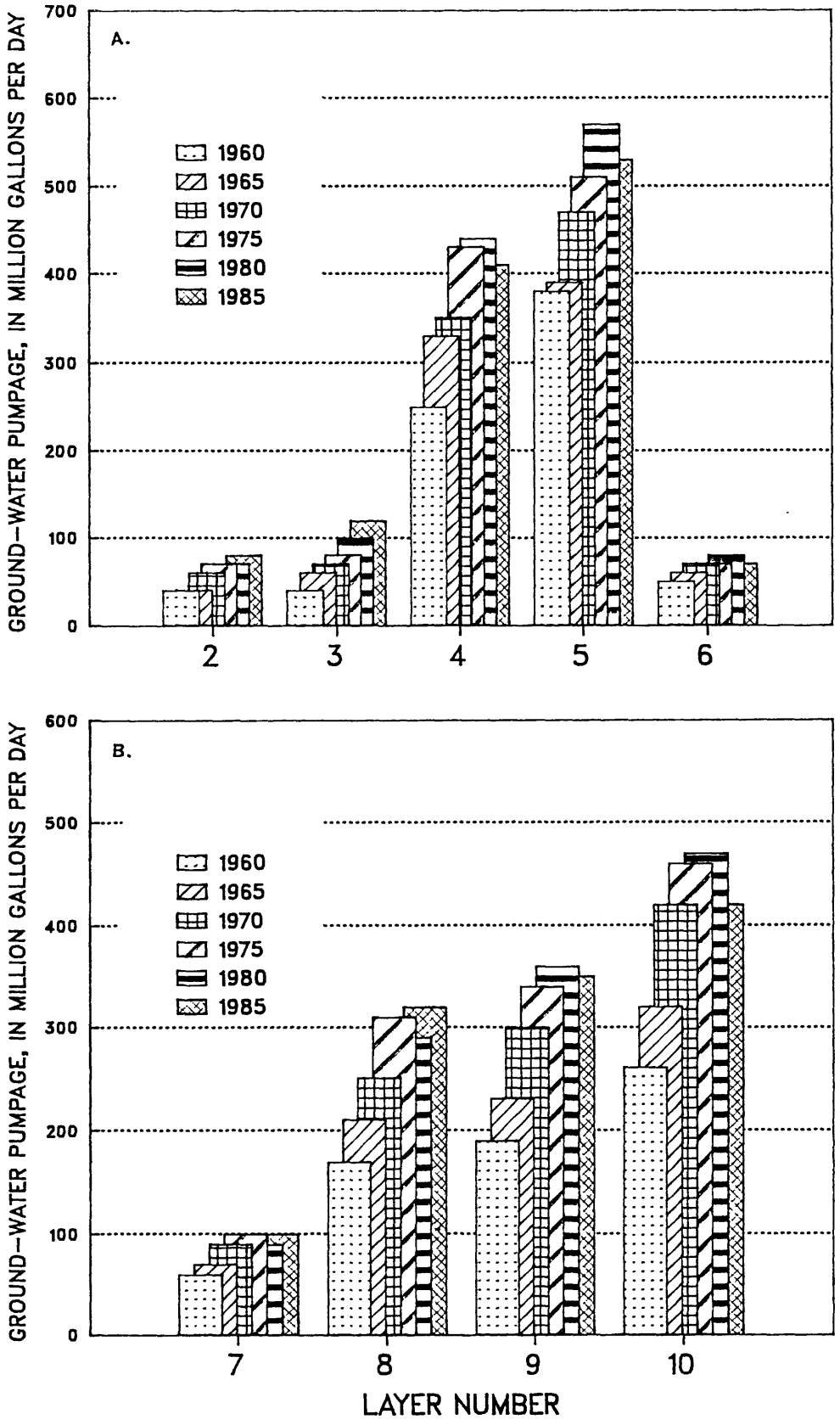


Figure 11.--Ground-water pumpage, 1960-85, from: A, layers 2-6, and B, layers 7-10.

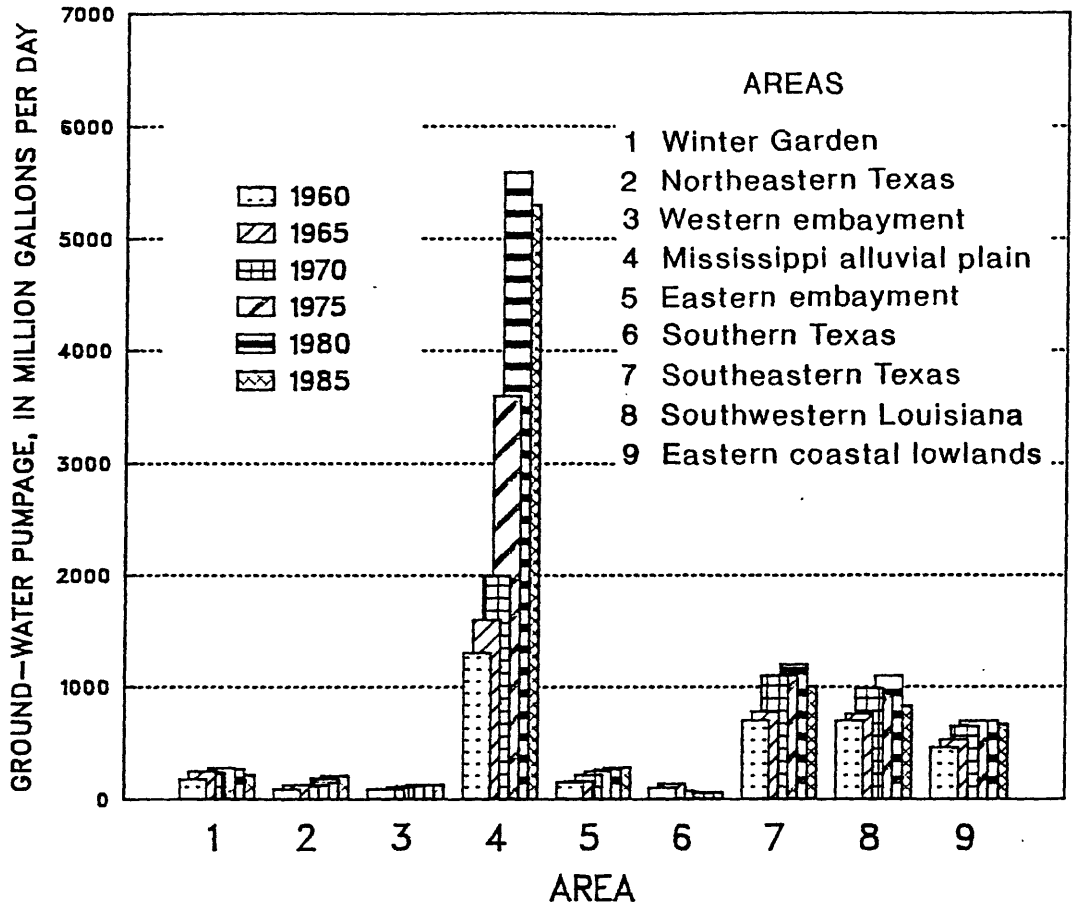


Figure 12.—Ground-water pumpage by area, 1960–85.

TABLE 6.—*Summary of ground-water pumpage by area, 1960-85.*

[Quantity in million gallons per day; figures may not add to total because of independent rounding; location of areas shown on figure 1.]

Area	Year					
	1960	1965	1970	1975	1980	1985
Winter Garden	180	250	240	280	270	220
Northeastern Texas	90	130	120	120	190	210
Western embayment	90	90	110	120	130	130
Mississippi Alluvial Plain	1,300	1,600	2,000	3,600	5,600	5,300
Eastern embayment	150	160	220	250	270	280
Southern Texas	100	140	80	60	60	60
Southeastern Texas	760	850	1,200	1,200	1,200	1,000
Southwestern Louisiana	700	760	990	940	1,100	830
Eastern coastal lowlands	460	530	650	700	700	670

Pumpage in southwestern Louisiana ranged from 700 to 1,100 Mgal/d during 1960-80 and decreased to 830 Mgal/d by 1985. Southwestern Louisiana is underlain by the coastal lowlands aquifer system. Large quantities of ground water are pumped for rice irrigation in the central part of the area, and for public and industrial supplies in Rapides Parish at Alexandria and Calcasieu Parish at Lake Charles. However, the largest quantity of ground water pumped in the area was for irrigation, mostly from permeable zone A.

Pumpage in the eastern coastal lowlands area increased from 460 to 700 Mgal/d during 1960-80 and decreased to 670 by 1985. The eastern coastal lowlands area is located in parts of Alabama, Florida, Louisiana, and Mississippi and is underlain by the coastal lowlands aquifer system. Principal pumpage in this area is for public and industrial supplies at Mobile, Alabama; Pensacola, Florida; Baton Rouge and New Orleans, Louisiana; and Biloxi, Gulfport, and Hattiesburg, Mississippi. Relatively small quantities of ground water were pumped for irrigation in this area during 1960-85 (fig. 13).

Pumpage in the eastern embayment area increased from 150 to 280 Mgal/d during 1960-85. This area includes parts of Alabama, Illinois, Kentucky, Mississippi, and Tennessee and is underlain by the Mississippi embayment aquifer system. Principal pumpage in this area is for public-supply and industry in Shelby County at Memphis, Tennessee; in Hinds County at Jackson, Mississippi; and for numerous small cities along the eastern part of the embayment. Only small quantities of water are withdrawn for irrigation.

The Winter Garden area of Texas is underlain by the Texas coastal uplands aquifer system. Pumpage in this area ranged from 180 to 280 Mgal/d during 1960-85. Use of ground water in this area is primarily for irrigation and pumpage is primarily from the lower Claiborne-upper Wilcox aquifer.

Northeastern Texas is underlain by the Texas coastal uplands aquifer system. Pumpage in this area ranged from 90 to 210 Mgal/d during 1960-85. Large quantities of water are pumped by industries in Angelina County.

Pumpage in the western embayment increased from 90 to 130 Mgal/d during 1960-85, one of the smallest increases in the study area. This area is underlain by the Mississippi embayment aquifer system in parts of Arkansas and Louisiana.

Pumpage in southern Texas increased slightly during 1965, decreased during 1965-75, and remained constant for 1975-85. Pumpage in this area was the smallest of all areas at 60 Mgal/d during 1975-85, due in part to infiltration of saline water into zones that previously contained freshwater (Texas Department of Water Resources, 1984). This area is underlain by the coastal lowlands aquifer system where water is withdrawn for public-supply, industry, and irrigation.

Trends in Counties with Largest Withdrawals

The five counties with the largest ground-water withdrawals during 1985 are located in three States and reflect different combinations of the three major water-use categories used in this report (table 7 and fig. 14a). The largest total ground-water pumpage by county during 1985 was 380 Mgal/d in Harris County, Texas, for public supply, industry, and irrigation. In Harris County, the proportion of ground-water pumpage for irrigation has decreased from about 18 percent during 1960 to about 5 percent during 1985 owing to increases in the quantity used for public supply and industry and a decrease in the quantity used for irrigation.

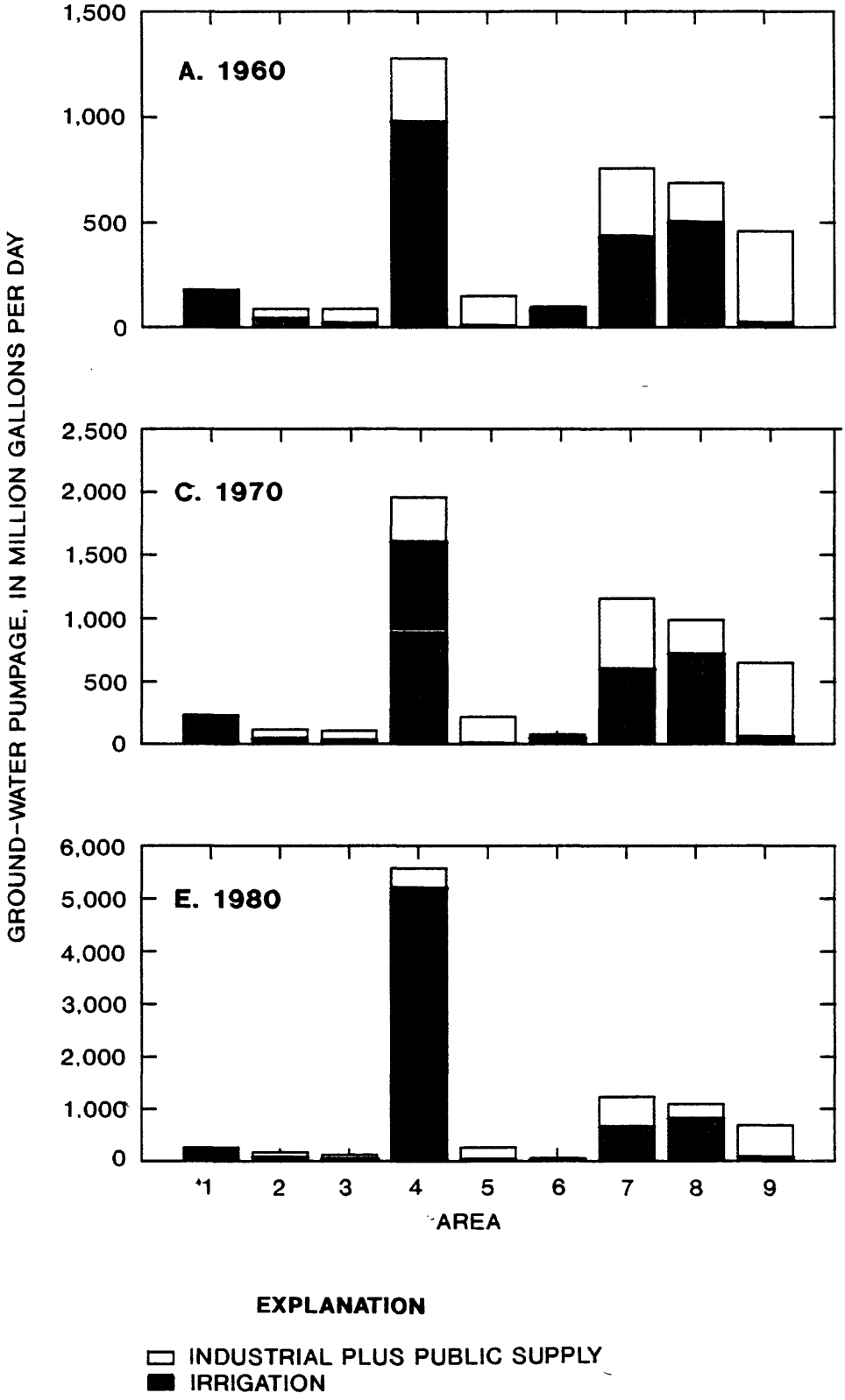


Figure 13.--Ground-water pumpage by major category of use and area: A, 1960; B, 1965; C, 1970; D, 1975; E, 1980; and F, 1985. Note vertical scale varies.

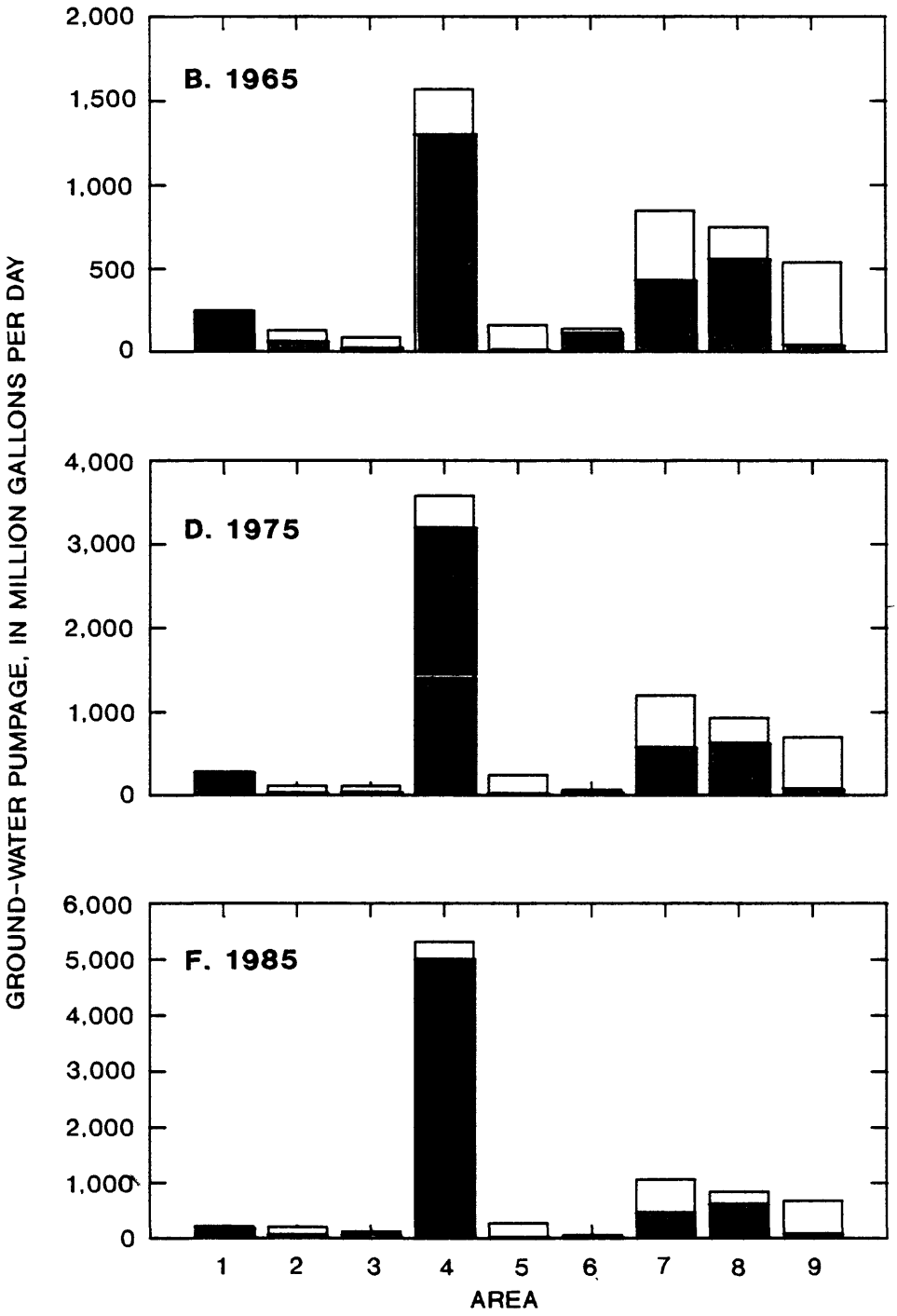


Figure 13.--Continued

Table 7.--*Quantity of ground-water pumped during 1985 within the five counties (or parishes) having the largest total withdrawal, the largest quantity withdrawn for irrigation, and the largest quantity withdrawn for public supply and industry combined*

State	County or Parish	Principal municipality	Million gallons per day (mg/d)
	Counties with the largest total ground-water pumpage		
Texas	Harris		380
Arkansas	Poinsett		300
Arkansas	Lonoke		300
Arkansas	Cross		260
Mississippi	Bolivar		230
	Counties with the largest pumpage for irrigation		
Arkansas	Poinsett		300
Arkansas	Lonoke		300
Arkansas	Cross		260
Arkansas	Arkansas		220
Mississippi	Bolivar		220
	Counties with the largest combined public supply and industrial pumpage		
Texas	Harris	Houston	360
Tennessee	Shelby	Memphis	180
Louisiana	East Baton Rouge	Baton Rouge	120
Florida	Escambia	Pensacola	74
Louisiana	Calcasieu	Lake Charles	72

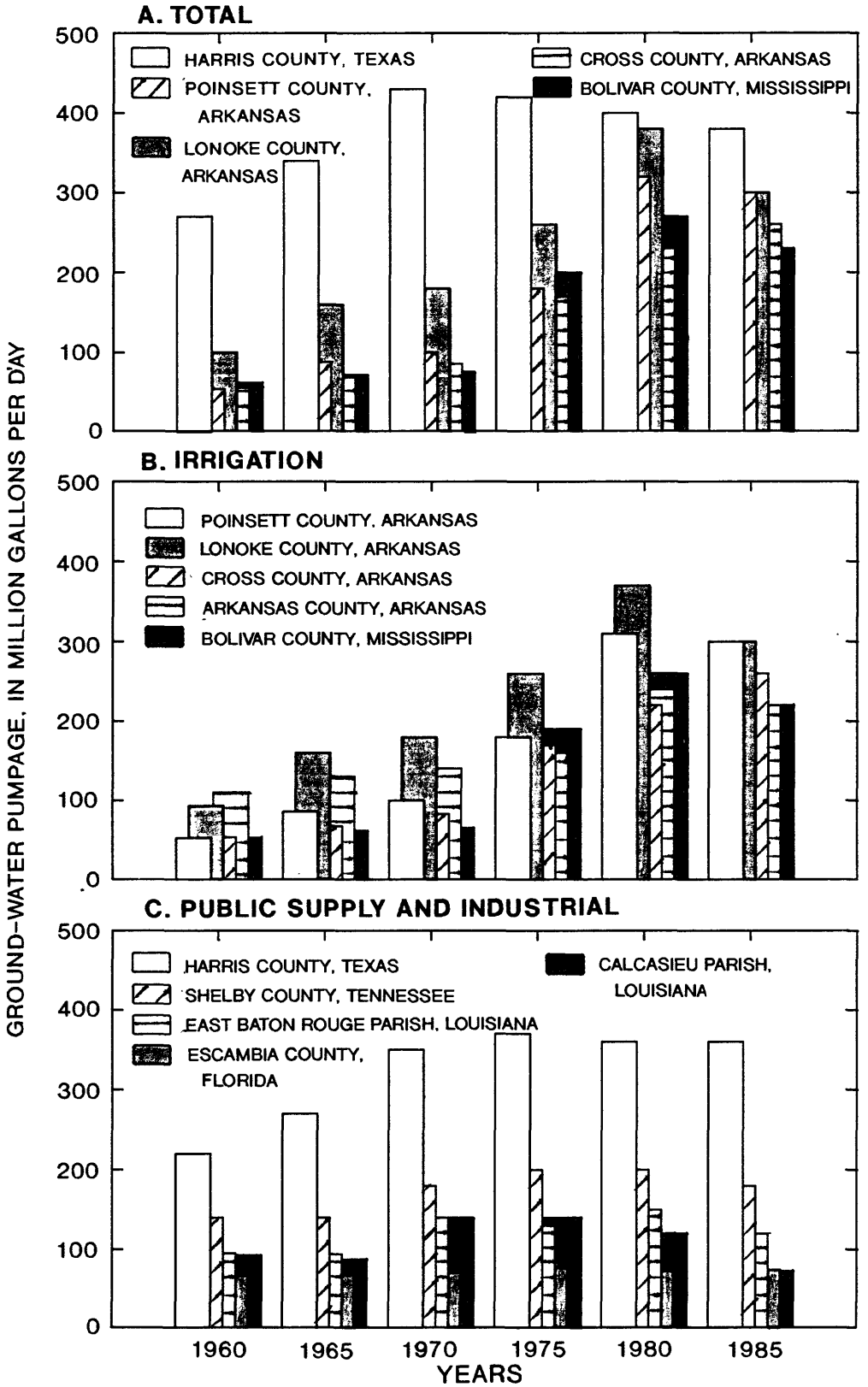


Figure 14.--Ground-water pumpage for period 1960-65 from five counties (parishes) with; A, largest total pumpage during 1985; B, largest irrigation pumpage during 1985; and C, largest combined public supply and industrial pumpage during 1985.

Irrigation was the major use of water pumped in the remaining four counties with the largest ground-water withdrawals during 1985 (table 7, fig. 14a and 14b). The total quantity pumped in these counties during 1985 ranged from 300 Mgal/d in Poinsett and Lonoke Counties, Arkansas, to 230 Mgal/d in Bolivar County, Mississippi. About 10 Mgal/d was withdrawn in Bolivar County for public supply and industry while an insignificant quantity was withdrawn for these uses in Poinsett, Lonoke, and Cross Counties, Arkansas.

Ground-water withdrawal for irrigation in Arkansas County, Arkansas, during 1985 was equivalent to that withdrawn in Bolivar County, Mississippi, but an insignificant quantity was pumped for public supply and industry.

During 1985, Poinsett and Lonoke Counties, Arkansas, each had irrigation withdrawals of 300 Mgal/d. Lonoke County irrigation pumpage ranged from 93 to 370 Mgal/d from 1960-80, but declined to 300 Mgal/d by 1985. The decline in irrigation use from 1980 to 1985 was partly a result of an increase in irrigation efficiency and also was due to 1980 being somewhat drier than normal. Withdrawals in Cross County, Arkansas, which is adjacent to Poinsett County, have continued to increase during 1960-85.

Aquifers comprising model layer 11 are the primary source of water for irrigation and aquaculture (fish farms). Agricultural statistics indicate harvested acreage has increased during 1960-85, which is reflected in an increase in ground-water use for irrigation. Irrigation of rice probably is the largest single use of ground water for irrigation. Estimates indicate that as much as 36 inches of water per acre per year are pumped on rice fields for irrigation (Luckey and Fuller, 1985). During the 1970's, restrictions on rice acreage were removed and the total quantity of harvested rice increased rapidly, as did the use of water for irrigation.

The five counties or parishes with the largest ground-water pumpage for public supply and industry combined are Harris County, Texas; Shelby County, Tennessee; East Baton Rouge and Calcasieu Parishes, Louisiana; and Escambia County, Florida (table 7 and fig. 14c). The quantity pumped in these five counties (or parishes) reflects urbanization associated with the cities of Houston, Texas; Memphis, Tennessee; Baton Rouge and Lake Charles, Louisiana; and Pensacola, Florida. Although none of the county (or parish) boundaries coincide with the city boundaries, the county (or parish) total pumpage is an accurate reflection of ground-water-pumpage trends of the five cities in the study area that withdraw the largest quantities of ground water.

Ground-water pumpage for public supply and industry combined in Harris County, Texas, increased by about 70 percent from 1960 to 1975 (fig. 14c). However, the peak pumpage during 1975 is only slightly greater than the quantity pumped during 1970, 1980, and 1985. This trend does not show the substantial reduction in ground-water pumpage in the southeastern part of Harris County that occurred after surface water became available in late 1976 (Gabrysch, 1979). Population growth north and west of Houston resulted in substantially increased ground-water pumpage for public supply in the northern and western parts of Harris County (Williams and Ranzau, 1987, p. 15-17). Overall pumpage in Harris County peaked in 1970, followed by a sharp decrease in irrigation pumpage.

The variable trend in ground-water pumpage for public supply plus industry observed for Harris County, Texas, is also true of the other four counties (or parishes) except that pumpage in Escambia County, Florida, changed little during the period 1960-85. Pumpage in the other three counties (or parishes) peaked at different

times but decreased from 1980 to 1985. Pumpage in Shelby County, Tennessee, decreased about 10 percent from 1980 to 1985, while pumpage in East Baton Rouge Parish, Louisiana, decreased about 20 percent. The total decrease of pumpage in Calcasieu Parish, Louisiana, was about 50 percent from the peak during 1975 (fig. 14c). These overall reductions in pumpage are because of large decreases in withdrawals for industry and small gradual increases for public supply (Cardwell and Walter, 1979; Walter, 1982; Lurry, 1987; Criner and Parks, 1976; and Hutson, 1988.)

METHOD OF ESTIMATING GROUND-WATER PUMPAGE

Ground-water-pumpage data were differentiated into two types, point and areal, for purposes of obtaining detailed withdrawal estimates for this study. Point-type data include the two major use categories, public supply and industrial discussed earlier, and also most withdrawals for generation of thermoelectric power . The location of point pumpage usually is available and detailed pumpage records often are collected for each well or well field. Most of the water pumped is eventually discharged to some surface-water body and little is returned directly to the aquifer. Areal-type data include mainly irrigation use, but also aquaculture (fish farms), self-supplied domestic, and mining uses. The specific locations of areal withdrawals typically are known only in a general way and quantities often are estimated on a county-wide basis. The amount of water pumped commonly is estimated for each county by multiplying some known value, such as acres irrigated, population, or mining production, by a water-use factor. A significant amount of the water pumped may return to the shallowest aquifer through seepage. The detailed methods for assigning 1980 pumpage to model blocks are described below, followed by descriptions of the methods used for assigning 1960-75 and 1985 total pumpage by county to model blocks and of significant exceptions to the principal methods used.

Pumpage by Block for 1980

Pumpage for 1980 was assigned to each model block for both types of data, point and areal, and then added to obtain an estimate of total pumpage for each block. Block dimensions consist of the 25-mile-square geographic areas (squares of the model grid) and the thickness of the underlying layer. There are as many blocks at a specific location as there are layers underlying the 25-square-mile area.

Point-type data from U.S. Geological Survey and other agency files and reports were assigned directly to a block based on the latitude and longitude of the public supply or industry withdrawing the water, if the layer being pumped was known. Much point-type data in the coastal lowlands aquifer system had only the well depth available, with no information about which model layer the well was completed in; therefore, a computer program was used to correlate well depth to layer and to assign the pumpage to the appropriate layer. The same program was used to assign pumpage from the Memphis aquifer in Tennessee to model layers 4 and 5.

Areal type data were assumed to have been from the shallowest layer that occurred in an area, except where known to be withdrawn from an underlying layer. Areal withdrawal data available only as total pumpage by county generally were distributed to blocks based on the ratio of the surface area of a block to the total area of a county. For example, if the total area of a county was contained in 10 squares of the model grid, each block of the shallowest layer would be assigned 10 percent of the total pumpage in the county. In some instances, the percentage of pumpage calculated for a block was weighted based on other factors. If a detailed report on ground water in a

county contained a map of well locations, the density of the number of wells in and around the county was used to estimate the quantity of pumpage. In areas where rice was irrigated, blocks were weighted with a larger proportion of total pumpage in the county than for blocks in which irrigation for other crops or no irrigation occurred. Also, topography of the land surface in a county was used to weight the proportion of pumpage assigned to a block. In Missouri and Arkansas, large-scale-agricultural production and irrigation does not occur on hilly terrain; therefore, a smaller percentage of total pumpage in the county was assigned to blocks underlying hilly terrain than to those underlying the alluvial plain.

Point, areal, and total withdrawals for 1980 tabulated by layer and model-grid location (row and column), are presented in table 8. Table 8 is presented in the supplemental-data section of this report due to its length.

Total Pumpage by County, 1960-85

Total pumpage by county for 1960-85 was compiled for the point and areal types of data using the references and sources shown in table 9. Generally, reported total pumpage by county was used in this study without adjustment. However, for years when no estimates of total pumpage by county were available, data were estimated on the basis of other sources such as proration from State totals published on a national basis. After compiling the data, plotting graphs, and comparing trends, several anomalies in the published data became obvious and were adjusted to form a more regionally consistent pattern.

A brief discussion of the methods commonly used by earlier investigators in preparation of the reports listed in table 9 follows. The listing of table 9 does not imply that these methods were used directly in this study, just that the investigators compiling the data contained in the reports mentioned above typically used these methods. Public-supply and industrial pumpage commonly is metered, or estimated, for each well or well field. Areal-type data are much more difficult to compile because of the large number of privately owned wells withdrawing water for irrigation, stock, and rural domestic use. Irrigation pumpage in the study area generally was estimated from county crop-acreage statistics and water-use requirements for various crop types. Estimates were made of the amount of water used to irrigate a particular crop, which then was multiplied by the number of irrigated acres of that particular crop in each county to obtain the quantity of water withdrawn. Rural-domestic use usually is estimated from population figures and a per-capita water-use value.

Estimated water-use data compiled on a county basis in the United States are summarized by use and State by Solley and others (1988). The 1985 data on total pumpage by county from the U.S. Geological Survey's National Water Use Program (Mann and others, 1982) were differentiated into more use categories than had been reported in U.S. Geological Survey Circulars on estimated use of water prior to 1985. Categories of water use presented by Solley and others (1988), which were considered to be point-type data for this report, include public supply, industrial, thermoelectric, and commercial. Categories of water use considered to be areal-type data, include domestic, irrigation, livestock, mining, hydroelectric, and miscellaneous.

Point, areal, and total withdrawals tabulated by State and county for 1960-85 are presented in table 10 in the supplemental data section of this report.

Table 9.--*Sources of data on total pumpage by county, 1960-85*

State	References
Alabama	Peirce, 1972; Mettee and others, 1978; Baker and others, 1982; Baker and Mooty, 1987.
Arkansas	Stephens and Halberg, 1961; Halberg and Stephens, 1966; Halberg, 1972 and 1977; Holland and Ludwig, 1981; Holland, 1987.
Florida	Marella, 1988.
Kentucky	Kulp and Hopkins, 1960; Mull and others, 1971; Sholar and Lee, 1988; Kentucky Department of Natural Resources, unpublished files.
Louisiana	Snider and Forbes, 1961; Bieber and Forbes, 1966; Dial, 1970; Cardwell and Walter, 1979; Walter, 1982; Lurry, 1987.
Mississippi	Callahan, 1966; Callahan, 1983.
Missouri	Missouri Department of Natural Resources, 1962-85 (published intermittently); Missouri Department of Agriculture, 1975; Marikos and Skelton, 1982; Hall 1989.
Tennessee	Johnson and others, 1968; Wilson and others, 1969; Johnson and Wilson, 1970; Wilson and others, 1972; Kernodle and Wilson, 1973; Criner and Parks, 1976; Hutson, 1988.
Texas	Klemt and others, 1976, Gabrysch, 1980; Texas Department of Water Resources, 1981; Gabrysch, 1982; Gabrysch, 1984; Texas Water Develpment Board, 1986; R.J. Neighbors, Harris-Galveston Coastal Subsidence District, written commun.; Lurry and Barber, in press.
United States	Guyton, 1950; McGuinness, 1951; McKichan, 1951; McKichan, 1957; McKichan and Kammerer, 1961; Murray, 1968; Murray and Reeves, 1972; Giusti and Meyer, 1977; Murray and Reeves, 1977; Solley and others, 1983 and 1988; U.S. Geological Survey, 1988.

The sum of county pumpages in table 10 may not equal the State total in table 4, because values in table 4 were obtained by adding the pumpage for all blocks assigned to each State. Some pumpage in counties on or near the study-area boundary may be from aquifers below the gulf coast aquifer systems and would be included in table 10 but not in the pumpage from layers that were added to construct table 4. In addition, county and State totals shown in tables and figures other than table 10 were summed from the block data that were aggregated by county based on whichever county contained most of the block. Therefore, many county totals will be slightly different from the original data.

Proportion Distribution

Generally, total point- and areal-withdrawal data by county for 1960-75 and 1985 were proportionally distributed to individual model blocks using ratios calculated from the 1980 detailed data. Distributions of point and areal withdrawals to blocks within each county were calculated separately for each of the two data types and then summed. It was assumed that the distribution of each type of pumpage within a county did not change during 1960-85. It was recognized that within a county, pumpage increases generally occurred in and around areas where pumpage had been developed previously. Two special cases in which distribution of pumpage did significantly change within the county are described in a following section of this report.

The method used to distribute county pumpage totals for each of the two types of data was:

1. Each 25-square-mile area was assigned to whichever county contained most of its area.
2. All block pumpage from the 1980 detailed data was aggregated to obtain a county total pumpage for each data type.
3. Each block pumpage was divided by its corresponding county total to calculate the ratio of pumpage from each block within that county for each data type.
4. For the years, 1960, 1965, 1970, and 1985, point- and areal-type data were multiplied by the block ratios calculated in step 3.

This method produced a file structured like the 1980 detailed data (table 8) for each of the years. These files are available on diskette; both the files and diskette are described in table 11 in the supplemental data section.

Special Cases

Central Arkansas:

Spatial and vertical distribution of pumpage in central Arkansas between the Arkansas and White Rivers changed significantly during 1960-85. In general, the pumpage was nearly all from layer 11 in 1960. The proportion from layer 5 gradually increased during 1965-85. Point- and areal-type data for layers 5 and 11 in this area were distributed using the same methods as previously mentioned; however, the distribution of pumpage between layers 5 and 11 for each county changed at each 5-year interval from 1960-85.

Harris and Galveston Counties, Texas:

Pumpage data in Harris and Galveston Counties, Texas, for 1960-85 were compiled independently of data for other counties because of the large amount of ground water withdrawn; the significant change in spatial distribution of pumpage within these

counties due to increased use of ground water in the western part of the area; and the availability of more detailed data. Ground-water pumpage decreased significantly in Galveston County and in the eastern and southern parts of Harris County after 1976 because surface water sources were developed in order to halt land-surface subsidence resulting from large-scale withdrawals of ground water. The same method of estimating distributions and prorating them to other years was used; however, more detail was included. The two counties were divided into nine subareas and the distribution between and within each subarea was allowed to vary with time. These subareas, as described by Gabrysch (1980, 1982, and 1984) are: Texas City; Alta Loma; Other Galveston County; Downtown Houston; Pasadena; Katy; Baytown; NASA; and Other Harris County.

In Harris and Galveston Counties all wells greater than 6 inches in diameter were required by law to be metered after 1976 and pumpage reported to the Harris-Galveston Coastal Subsidence District. Data available for 3,159 metered wells included pumpage, depth, latitude, and longitude (R.J. Neighbors, Harris-Galveston Coastal Subsidence District, written commun., 1985). These wells were assigned to the appropriate subarea, 25-square-mile area, and layer based on their location and depth. Pumpage data were aggregated and proportionally distributed to model blocks by subarea within Harris and Galveston Counties.

Annual pumpage totals for the nine subareas for the years 1960-1985 were reported by Gabrysch (1972, 1980, and 1984; R.J. Neighbors, Harris-Galveston Coastal Subsidence District, written commun.; and C.W. Bonnet, U.S. Geological Survey, written commun.). The total pumpage for each subarea during 1960-80, at 5-year intervals, was derived by averaging the annual pumpage totals during an interval which extended from two years prior to two years after the specified pumpage year. For example, a pumpage total for 1975 was calculated by averaging pumpage for 1973, 1974, 1975, 1976, and 1977. No averaging of years was done on the 1985 pumpage data.

Pumpage totals for all wells in each block were summed for each of the three years 1976, 1980, and 1985. The 1976 block totals were used to define the proportion distribution within each of the nine subareas for 1960-75 (just as the 1980 proportion distribution was used for 1960-75 and 1985 distributions for other counties). Block totals for 1980 and 1985 were used for their respective years.

AREAL DISTRIBUTION OF GROUND-WATER PUMPAGE, 1980

The total number of blocks with ground-water pumpage greater than 0.5 Mgal/d has continually increased from about 1,500 in 1960 to about 2,500 in 1985; however, the increase in the total quantity of water pumped is disproportionately greater (fig. 15). A block has an area of 25-square miles and a thickness equal to the thickness of the layer. This indicates that pumpage is increasing more rapidly in areas where ground-water resources already have been developed than in areas where resources have not been developed even though this conclusion is partially affected by the method of pumpage distribution.

The distribution of ground-water pumpage in 1980, by layer, is shown for those 25-square-mile areas that had pumpage equal to or greater than 0.5 Mgal/d (plates 1-5). The location of these areas indicate principal pumping centers for each layer. For layers 2-10, pumping centers generally are associated with large metropolitan or industrial areas, except in the Winter Garden area of southern Texas where irrigation is the predominant use. Pumpage from layer 11 generally is associated with large areas of irrigation even though it is also pumped for industry and public supply. A chart

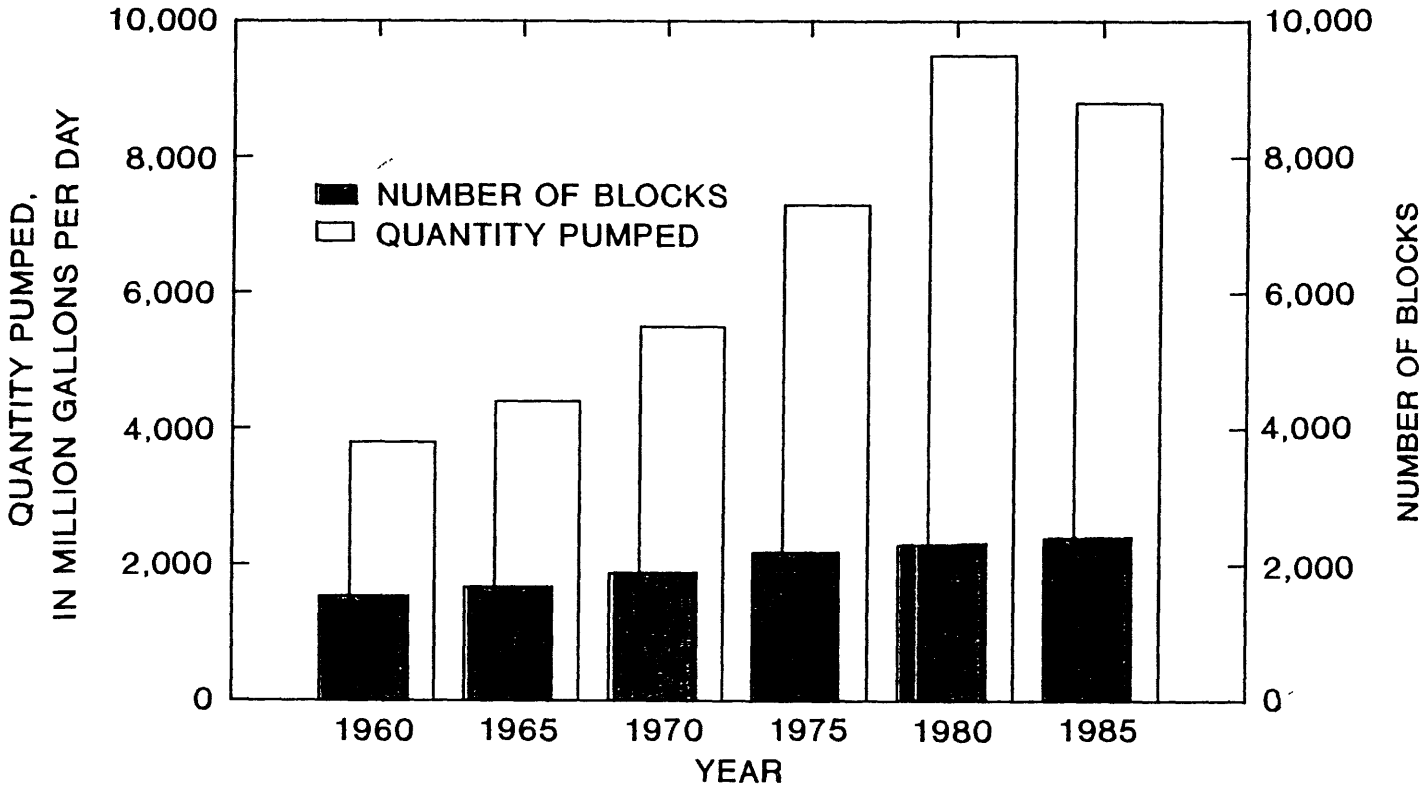


Figure 15.--Number of blocks with ground-water pumpage equal to or greater than 0.5 million gallons per day, and quantity pumped from layers 2-11, 1960-85. A block has an area of 25 square-miles and a thickness equal to layer thickness.

presented with each map indicates total pumpage for that layer during 1960-85 at 5-year intervals, and the number of 25-square-mile areas that had ground-water pumpage equal to or greater than 0.5 Mgal/d (plates 1-5).

Layer 2

Significant pumpage from layer 2 (plate 1) was widely scattered throughout the northern and eastern parts of the study area primarily in Arkansas, Mississippi, Missouri, and Tennessee. Pumpage of ground water from this layer continually increased during 1960-85 (plate 1) as did the total number of 25-square-mile areas with pumpage equal to or greater than 0.5 Mgal/d. During 1985, about 80 Mgal/d of water was pumped from this layer and more than 30 areas had pumpage equal to or greater than 0.5 Mgal/d. The principal use of water from this layer is for public supplies.

Layer 3

Pumpage from layer 3 (plate 2) generally is concentrated in Texas. Pumpage of ground water continually increased during 1960-85. The number of 25-square-mile areas with 0.5 Mgal/d or more pumpage generally has increased as well (plate 1). During 1985, about 120 Mgal/d of water was pumped from this layer and about 50 areas had pumpage equal to or greater than 0.5 Mgal/d.

Layer 4

Pumpage from layer 4 (plate 3) is concentrated in the Winter Garden area in Texas (Klemt and others, 1976), mainly in Atascosa, Dimmit, Frio, and Zavala Counties. Also, water is withdrawn from layer 4 in Arkansas, Kentucky, Mississippi, Tennessee, and northeastern Texas. Use of water in the Winter Garden area is principally for irrigation; however, pumpage in eastern Texas in Angelina and Nacogdoches Counties is principally for industry. Pumping in the eastern part of the study area is primarily for public supplies. Pumpage from this layer has exceeded 400 Mgal/d since 1975 and the number of 25-square-mile areas with pumpage equal to or greater than 0.5 Mgal/d increased during 1960-80. During 1985, over 400 Mgal/d of water was pumped from this layer (plate 3) and about 180 areas had pumpage equal to or greater than 0.5 Mgal/d.

Layer 5

Pumpage from layer 5 (plate 4) generally is dispersed throughout the northeastern part of the study area. This layer is the second most heavily pumped layer (layer 11 is the most heavily pumped). Four concentrated areas of pumpage from this layer are: 1) Shelby County, Tennessee, around Memphis, where the layer is a principal source of water for public supplies; 2) southern Arkansas in Columbia, Lafayette, Ouachita, and Union Counties near the cities of Magnolia, Lewisville, Camden, and El Dorado where the water is used for public supply and industry; 3) eastern Arkansas in Arkansas and Prairie Counties where the water is used for irrigation, and Jefferson County near Pine Bluff, where the water is used for both public supply and industry; and 4) Hinds County, Mississippi, near Jackson, where the water is used for public supply and industry. The number of 25-square-mile areas with pumpage equal to or greater than 0.5 Mgal/d has increased continually since 1960 to about 125 during 1985. The quantity of water pumped from this layer peaked in 1980 at about 560 Mgal/d, but was still more than 500 Mgal/d during 1985 (plate 4).

Layer 6

Pumpage from layer 6 (plate 2) is located primarily in the east-central part of the study area. Concentrated areas of pumping are in Washington County, Mississippi, near Greenville, and in Hinds, Madison, and Rankin Counties, Mississippi, near Jackson where the water is used for public supply; in Brazos and Burleson Counties, Texas, where the water is used for irrigation and public supply, and in Angelina County, Texas, where the principal use of water from this layer is for industry. The number of 25-square-mile areas with pumpage of 0.5 Mgal/d or more has continually increased to about 38 during 1985. Pumpage from this layer peaked in 1980 at 70 Mgal/d, but was still about 60 Mgal/d during 1985 (plate 2).

Layer 7

Pumpage from layer 7 (plate 1) occurs in parts of Alabama, Florida, Louisiana, Mississippi, and Texas. Pumpage from this layer is primarily for public supply and industry. Areas of significant pumpage are located in Mobile and Washington Counties, Alabama, near Mobile; in Escambia County, Florida, near Pensacola; and in Forrest, Jones, and Lamar Counties, Mississippi. The number of 25-square-mile areas with pumpage of 0.5 Mgal/d or more averaged about 20 during 1960-80 and increased to about 30 during 1985. The quantity of water pumped has been more than 80 Mgal/d since 1970 and was 100 Mgal/d during 1985 (plate 1).

Layer 8

Pumpage from layer 8 (plate 2) is located in parts of Alabama, Florida, Louisiana, Mississippi, and Texas. Pumpage from this layer is withdrawn for public supply, industry, and irrigation. Concentrated areas of pumping are in 1) Baldwin, Escambia, and Mobile Counties, Alabama, where the water is used primarily for public supply and industry but does include some irrigation; 2) Escambia County, Florida, where the water is used primarily for public supply; 3) East Baton Rouge and Rapides Parishes, Louisiana, at Baton Rouge and Alexandria, where pumpage is for public supply and industry; 4) Copiah, Forrest, Harrison, and Jackson Counties, Mississippi, near Hazlehurst, Hattiesburg, Gulfport, and Pascagoula, respectively, where pumpage is for public supply and industry; and 5) Lavaca County, Texas, near Hallettsville, where pumpage is principally for irrigation. The number of 25-square-mile areas with pumpage of 0.5 Mgal/d or more has almost doubled since 1960 from about 45 to nearly 90 during 1985. The quantity of water pumped has increased in about the same proportion, almost doubling during the same interval, to about 320 Mgal/d during 1985 (plate 2).

Layer 9

Pumpage from layer 9 (plate 3) is located in parts of Alabama, Louisiana, Mississippi, and Texas. Pumpage from this layer is used for public, industrial, and irrigation supplies. Pumping from this layer is concentrated along the coast in Baldwin County, Alabama, and Harrison and Jackson Counties, Mississippi, near Gulfport and Pascagoula; in East Baton Rouge, West Baton Rouge, and Point Coupee Parishes, Louisiana (centered around Baton Rouge); and in Harris and Lavaca Counties, Texas, around Houston and Hallettsville. The number of 25-square-mile areas with pumpage of 0.5 Mgal/d or more has continually increased during 1960-85 to about 100 during 1985. The quantity of water pumped from this layer has been 300 Mgal/d or more since 1970 and was about 350 Mgal/d during 1985 (plate 3).

Layer 10

Pumpage from layer 10 (plate 4) is located in parts of Alabama, Louisiana, Mississippi, and Texas. Concentrated areas of pumping from this layer are located in East Baton Rouge and West Baton Rouge Parishes, Louisiana, near the city of Baton Rouge; and in Colorado, Galveston, Harris, Kleberg, Lavaca, and Victoria Counties, Texas, near the cities of Houston, Galveston, and Victoria. Withdrawals near the major cities are primarily for public supply, but in rural areas rice and other crops are irrigated. The number of 25-square-mile areas with pumpage of 0.5 Mgal/d or more ranged between 100 and 150 during 1960-80 and was about 130 during 1985. The quantity of water pumped was more than 470 Mgal/d during 1980 and decreased to about 420 Mgal/d by 1985 (plate 4).

Layer 11

Pumpage from layer 11 (plate 5) is located in parts of Arkansas, Louisiana, Mississippi, Missouri, and Texas. This layer is the most heavily pumped of all layers in the study area, and the primary use of the water is for irrigation. However, some water also is used for public supply and industry. The 25-square-mile areas with the largest pumpage are in Calcasieu and Orleans Parishes, Louisiana, near Lake Charles and New Orleans, and in Adams County, Mississippi, near Natchez. Total pumpage from these four 25-square-mile areas totaled 179 Mgal/d during 1980.

Two intensively irrigated areas in the Mississippi Alluvial Plain in Arkansas contained a total of more than 100 of the 25-square-mile areas with pumpage between 10.0 and 24.9 Mgal/d during 1980. These two areas are located in parts of Craighead, Cross, Greene, Lawrence, Lonoke, and Poinsett Counties. Other areas of large-scale pumpage are in southwestern Louisiana and southeastern Texas. The number of 25-square-mile areas with pumpage of 0.5 Mgal/d or more continually increased during 1960-85 and was 1,700 during 1985. The quantity of water pumped was about 7,100 Mgal/d by 1980 and decreased to about 6,400 during 1985. Pumpage from this layer has nearly tripled since 1960 (plate 5).

SUMMARY

The Mississippi embayment, Texas coastal uplands, and the coastal lowlands aquifer systems were subdivided into 10 layers (numbered 2-11) for the Gulf Coast RASA study. Computer simulation was selected as a tool to study regional ground-water-flow patterns. Therefore, detailed estimates of ground-water pumpage were needed to simulate historical ground-water flow. Fresh ground-water pumpage during 1980 was assigned, by layer, to each 25-square-mile geographic area of the rectangular model grid. Total ground-water pumpage by county for 1985 and 1960-75 (at 5-year intervals) generally was assigned to layers and 25-square-mile areas in the same proportion as total pumpage by county in 1980.

Total ground-water pumpage peaked during 1980 at 9,500 Mgal/d and decreased to 8,900 Mgal/d by 1985. Irrigation was the largest major use of ground water with 7,200 Mgal/d pumped during 1980. Pumpage for public supply continually increased during 1960-85 while pumpage for industry declined.

Areas of large-scale pumpage during 1960 were located near the gulf coast associated with rice irrigation and populated areas. While the previous areas of large-scale pumpage were still well defined during 1985, the largest areas of pumpage were located in the northern Mississippi embayment associated with crop irrigation.

The Mississippi embayment aquifer system is the most heavily pumped system in the study area. During 1960-80, pumpage increased from 1,500 to 5,900 Mgal/d, the largest increase of the three aquifer systems. The coastal lowlands aquifer system had the second largest increase in pumpage from 2,000 to 3,200 Mgal/d during the same period. The smallest pumpage was from the Texas coastal uplands aquifer system, increasing from 270 to 460 Mgal/d during 1960-80. Pumpage from all three aquifer systems decreased slightly from 1980 to 1985.

Arkansas had the largest withdrawals of ground-water in the study area during 1960-85. Pumpage ranged from 980 to 4,100 Mgal/d, primarily for irrigation. Texas, Louisiana, and Mississippi were other major users of ground water. In Texas, pumpage ranged from 1,100 to 1,700 Mgal/d; in Louisiana pumpage ranged from 1,000 to 1,800 Mgal/d; and in Mississippi pumpage ranged from 360 to 1,400 Mgal/d.

Aquifers comprising model layer 11 were the most heavily pumped in the study area. During 1960-85, pumpage ranged from 2,400 to 7,100 Mgal/d, which was greater than pumpage from layers 2-10 combined. Primary use of ground water from layer 11 was for irrigation. Layer 5 was the second most heavily pumped layer with pumpage ranging from 380 to 560 Mgal/d during 1960-85.

The Mississippi Alluvial Plain continually had the largest pumpage of the nine geographic areas within the study area. Pumpage ranged from 1,300 to 5,600 Mgal/d during 1960-85. The southeastern Texas area, which includes Houston and Galveston, ranked second with pumpage ranging from 760 to 1,200 Mgal/d.

The county with the largest total pumpage of ground water during 1985 was Harris County, Texas, which includes Houston, where 380 Mgal/d was withdrawn for public supply, industry, and irrigation. Other counties with significant total pumpage were Poinsett, Lonoke, and Cross Counties in Arkansas, and Bolivar County, Mississippi. Large-scale pumpage in these counties was associated primarily with irrigation.

The largest withdrawals of ground water for public supply and industry combined were in Harris County, Texas, where pumpage was 360 Mgal/d during 1985, and was greater than from any other county in the study area during 1960-85. The variable trend of pumpage observed in Harris County, Texas, Shelby County, Tennessee, Calcasieu and East Baton Rouge Parishes, Louisiana, during 1960-85 generally is due to decrease in pumpage for industry in contrast to continually increasing pumpage for public supply.

The largest withdrawals of ground water for irrigation were in Poinsett and Lonoke Counties, Arkansas, where 300 Mgal/d were withdrawn in each of the counties during 1985. Withdrawals for irrigation in Cross County, Arkansas, were 260 Mgal/d during 1985 and was 220 Mgal/d in both Arkansas County, Arkansas, and Bolivar County, Mississippi.

Detailed estimates were made of ground-water pumpage for each layer underlying the 25-square-mile geographic areas of a model grid. For years other than 1980, county estimates of ground-water pumpage generally were assigned to layers and 25-square-mile areas in the same proportion as total pumpage by county in 1980.

The total number of 25-square-mile areas with ground-water withdrawals equal to or greater than 0.5 Mgal/d increased from about 1,500 during 1960 to about 2,500 during 1985. However, total ground-water pumpage increased at a proportionately faster rate. This indicates pumpage is increasing most rapidly in areas where ground-water resources have been developed previously.

REFERENCES

Ackerman, D.J., 1989, Hydrology of the Mississippi River Valley alluvial aquifer, south-central United States--a preliminary assessment of the regional flow system: U.S. Geological Survey Water-Resources Investigations Report 88-4028, 74 p.

Arthur, J.K., and Taylor, R.E., 1989, Definition of geohydrologic framework and preliminary simulation of ground-water flow in the Mississippi embayment aquifer system, south-central United States: U.S. Geological Survey Water-Resources Investigations Report 86-4364, 110 p..

Baker, R.M., Gillett, Blakeney, and Meng, P.M., 1982, Use of water in Alabama, 1980: Geological Survey of Alabama Information Series 59, 50 p.

Baker, R.M., and Mooty, W. S., 1987, Use of water in Alabama, 1985: Geological Survey of Alabama Information Series 59-D, 51 p.

Bieber, P.P., and Forbes, M.J., Jr., 1966, Pumpage of water in Louisiana, 1965: Louisiana Department of Conservation and Louisiana Department of Public Works Water Resources Pamphlet 20, 8 p.

Brahana, J.V., and Mesko, T.O., 1988, Hydrogeology and preliminary assessment of regional flow in the upper Cretaceous and adjacent aquifers in the northern Mississippi embayment: U.S. Geological Survey Water-Resources Investigations Report 87-4000, 65 p.

Callahan, J.A., 1976, Water use in Mississippi, 1975: U.S. Geological Survey Open File Report 76-125, 1 sheet.

-----1983, Water use in Mississippi, 1980: U.S. Geological Survey Open-File Report 83-224, 1 sheet.

Cardwell, G.T., and Walter, W.H., 1979, Pumpage of water in Louisiana, 1975: Louisiana Department of Transportation and Development, Office of Public Works Water Resources Special Report No. 2, 15 p.

Criner, J.H., and Parks, W.S., 1976, Historic water-level changes and pumpage from the principal aquifers of the Memphis area, Tennessee--1886-1975: U.S. Geological Survey Water-Resources Investigations Report 76-67, 45 p.

Cushing, E.M., and Richardson, R.M., 1957, Irrigation in Tennessee in 1955: Tennessee Department of Conservation, Division of Geology Information Circular No. 4, 7 p.

Dial, D.C., 1970, Pumpage in Louisiana, 1970: Louisiana Department of Conservation and Louisiana Department of Public Works Water Resources Pamphlet 26, 10 p.

Gabrysch, R.K., 1972, Development of ground water in the Houston District, Texas, 1966-69: Texas Water Development Board Report 152, 24 p.

-----1979, Approximate water-level changes in wells in the Chicot and Evangeline aquifers 1977-79, and measured compaction 1973-79, in Harris and Galveston Counties, Texas: U.S. Geological Survey Open-File Report 79-693, map, scale 1:550,956, 5 sheets.

-----1980, Development of ground water in the Houston District, Texas, 1970-74: Texas Department of Water Resources Report 241, 49 p.

-----1984, Ground-water withdrawals and changes in water-levels in the Houston District, Texas, 1975-79: Texas Department of Water Resources Report 286, 42 p.

Giusti, E.V., and Meyer, E.L., 1977, Water consumption by nuclear powerplants and some hydrological implications: U.S. Geological Survey Circular 745, 22 p.

Grubb, H.F., 1984, Planning report for the Gulf Coast Regional Aquifer-System Analysis in the Gulf of Mexico Coastal Plain, United States: U.S. Geological Survey Water-Resources Investigations Report 84-4219, 30 p.

-----1986, Gulf Coast Regional Aquifer-System Analysis--A Mississippi perspective: U.S. Geological Survey Water Resources Investigations Report 86-4162, 22 p.

-----1987, Overview of the Gulf Coast Regional Aquifer-System Analysis, *in* Vecchioli, John, and Johnson, A. Ivan, eds., Aquifers of the Atlantic and Gulf Coastal Plain: American Water Resources Association, Monograph no. 9, p. 101-118.

Guyton, W.F., 1950, Estimated use of ground water in the United States, 1945: U.S. Geological Survey Open-File Report 50-74, 5 p.
Halberg, H.N., 1961, Use of water in Arkansas, 1960: Arkansas Geological Commission Special Ground-water Report No. 4, 8 p.
-----1972, Use of water in Arkansas, 1970: Arkansas Geological Commission Water Resources Summary No. 7, 17 p.
-----1977, Use of water in Arkansas, 1975: Arkansas Geological Commission Water Resources Summary No. 9, 28 p.
Hall, D.H., 1989, Estimated use of water in Missouri during 1985: U.S. Geological Survey Water-Resources Investigations Report 89-4038, 1 sheet.
Holland, T.W., 1987, Use of water in Arkansas, 1985: Arkansas Geological Commission and Arkansas Soil and Water Conservation Commission Water Resources Summary No. 16, 27 p.
Holland, T.W., and Ludwig, A.H., 1981, Use of water in Arkansas, 1980: Arkansas Geological Commission Water Resources Summary No. 14, 30 p.
Hosman, R.L., and Weiss, J.S., in press, Geohydrologic units of the Mississippi embayment and Texas coastal uplands aquifer systems, south-central United States: U.S. Geological Survey Professional Paper 1416-B.
Hutson, S.S., 1988, Estimated use of water in Tennessee, 1985: U.S. Geological Survey Open-File Report 88-348, 1 sheet.
Johnson, A.M.F., Wilson, J.M., and Nichols, H.B., 1968, Water use in Tennessee, Part A--Agricultural water use: Tennessee Department of Conservation, Division of Water Resources, 34 p.
Johnson, A.M.F., and Wilson, J.M., 1970, Water use in Tennessee, Part C--Municipal water use: Tennessee Department of Conservation, Division of Water Resources, 22 p.
Jorgensen, D.G., 1975, Analog-model studies of ground-water hydrology in the Houston District, Texas: Texas Water Development Board Report 190, 84 p.
Kernodle, J.M., and Wilson, J.M., 1973, Water use in Tennessee, 1970: Tennessee Department of Conservation, Division of Water Resources Water Use Series No. 4, 102 p.
Klemt, W.B., Duffin, G.L., and Elder, G.R., 1976, Ground-water resources of the Carrizo aquifer in the Winter Garden area of Texas: Texas Water Development Board Report 210, 30 p.
Kulp, W.K., and Hopkins, H.T., 1960, Public and industrial water supplies of Kentucky: Kentucky Geological Survey Information Circular 4, 102 p.
Luckey, R.R., 1985, Water resources of the southeast lowlands, Missouri, *with a section on* water quality, by D.L. Fuller: U.S. Geological Survey Water-Resources Investigations Report 84-4277, 78 p.
Lurry, D.L., 1987, Pumpage of water in Louisiana, 1985: U.S. Geological Survey Water-Resources Investigations Report 87-4059, 1 sheet.
Lurry, D.L., and Barber, N.L., in press, Freshwater withdrawals in Texas, 1985: U.S. Geological Survey Water-Resources Investigations Report 89-4044, 1 sheet.
Mann, W.B., IV, Moore, J.E., and Chase, E.B., 1982, A national water-use information program: U.S. Geological Survey Open-File Report 82-862, 18 p.
Marella, R.L., 1988, Water withdrawals, use, and estimated trends in Florida, 1985: U.S. Geological Survey Water-Resources Investigations Report 88-4103, 43 p.
Marikos, M., and Skelton, J., 1982, Estimated Water use in Missouri, 1980: Missouri Division of Geology and Land Survey Open-File Map Report, 1 sheet.
Martin, Angel, Jr, and Whiteman, C.D., Jr., 1989, Regional ground-water flow in the coastal lowlands aquifer system in parts of Louisiana, Mississippi, Alabama, and Florida--a preliminary analysis: U.S. Geological Survey Water Resources Investigations Report 88-4100, 88 p.
McGuinness, C.L., 1951, The water situation in the United States with special reference to ground water, with a summary of the current water situation by States based on data supplied by field offices of the Water Resources Division: U.S. Geological Survey Circular 114, 265 p.

MacKichan, K.A., 1951, Estimated use of water in the United States, 1950: U.S. Geological Survey Circular 115, 13 p.
-----1957, Estimated use of water in the United States, 1955: U.S. Geological Survey Circular 398, 18 p.
MacKichan, K.A., and Kammerer, J.C., 1961, Estimated use of water in the United States, 1960: U.S. Geological Survey Circular 456, 26 p.
McLemore, C.K., 1959, Irrigation in Tennessee, 1958: Tennessee Department of Conservation and Commerce, Water Resources Division, 16 p.
Mettee, M.F., Moser, P.H., and Dean, Lewis, 1978, Use of water in Alabama, 1975 with projections to 2020: Geological Survey of Alabama Information Series 48, 45 p.
Missouri Department of Agriculture, 1975, Missouri Agricultural Statistics, 1960-70: Jefferson City, Missouri Department of Agriculture, 84 p.
Missouri Department of Natural Resources, 1962-85, Census of Missouri Public Water Supplies: Missouri Department of Natural Resources, Division of Environmental Quality, Public Drinking Water Program [published intermittently].
Mull, D.S., Cushman, R.V., and Lambert, T.W., 1971, Public and industrial water supplies of Kentucky, 1968-69: Kentucky Geological Survey Information Circular 20, 105 p.
Murray, C.R., 1968, Estimated use of water in the United States, 1965: U.S. Geological Survey Circular 556, 53 p.
Murray, C.R., and Reeves, E.B., 1972, Estimated use of water in the United States, 1970: U.S. Geological Survey Circular 676, 18 p.
-----1977, Estimated use of water in the United States, 1975: U.S. Geological Survey Circular 765, 39 p.
Peirce, L.B., 1972, Use of water in Alabama, 1970 with projections to 2020: Geological Survey of Alabama and State Oil and Gas Board Information Series 42, 77 p.
Randall, L.E., 1961, Annotated bibliography of water-use data, 1960: U.S. Geological Survey Circular 455, 14 p.
Ryder, P.D., 1988, Hydrogeology and predevelopment flow in the Texas Gulf Coast aquifer systems: U.S. Geological Survey Water-Resources Investigations Report 87-4248, 109 p.
Sholar, C.J., and Lee, V.D., 1988, Water use in Kentucky, 1985: U.S. Geological Survey Water-Resources Investigations Report 88-4043, 53 p.
Snider, J.L., and Forbes, M.J., Jr., 1961, Pumpage of water in Louisiana, 1960: Louisiana Department of Public Works and Department of Conservation, Louisiana Geological Survey 6 p.
Solley, W.B., Chase, E.B., and Mann, W.B., IV, 1983, Estimated use of water in the United States in 1980: U.S. Geological Survey Circular 1001, 56 p.
Solley, W.B., Merk, C.F., and Pierce, R.R., 1988, Estimated use of water in the United States in 1985: U. S. Geological Survey Circular 1004, 82 p.
Stephens, J.W., and Halberg, H.N., 1966, Use of water in Arkansas, 1965: Arkansas Geological Commission Water Resources Summary No. 5, 12 p.
Sun, R.J., 1986, Regional Aquifer-System Analysis Program of the U.S. Geological Survey, Summary of Projects, 1978-84: U. S. Geological Survey Circular 1002, 264 p.
Texas Department of Water Resources, 1981, Inventories of irrigation in Texas 1958, 1964, 1969, 1974, and 1979: Texas Department of Water Resources Report 263, 295 p.
-----1984, Water for Texas, A comprehensive plan for the future: Texas Department of Water Resources Report GP-4-1,V. 1, 72 p.
Texas Water Development Board, 1986, Surveys of irrigation is Texas--1958, 1964, 1969, 1974, 1979, and 1984: Texas Water Development Board Report 294, 243 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 2, Alabama: U.S. Department of Commerce, 42 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 5, Arkansas: U.S. Department of Commerce, 43 p.

U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 11, Florida: U.S. Department of Commerce, 63 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 15, Illinois: U.S. Department of Commerce, 81 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 19, Kentucky: U.S. Department of Commerce, 45 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 20, Louisiana: U.S. Department of Commerce, 38 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 26, Mississippi: U.S. Department of Commerce, 38 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 27, Missouri: U.S. Department of Commerce, 60 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 44, Tennessee: U.S. Department of Commerce, 45 p.
U.S. Bureau of the Census, 1982, 1980 Census of population, volume 1, chapter A, part 45, Texas: U.S. Department of Commerce, 99 p.
U.S. Geological Survey, in press, National water summary, 1987--Hydrologic events and water supply and demand: U.S. Geological Survey Water-Supply Paper 2350.
Walter, W.H., 1982, Pumpage of water in Louisiana, 1980: Louisiana Department of Transportation and Development, Office of Public Works Water Resources Special Publication No. 3, 15 p.
Weiss, J.S., and Williamson, A.K., 1985, Subdivision of thick sedimentary units into layers for simulation of ground-water flow: Ground Water, v. 23, no. 6, p. 767-774.
Williams, J.F., III, and Ranzau, C.E., Jr., 1987, Ground-water withdrawals and changes in ground-water levels, ground-water quality, and land-surface subsidence in the Houston District, Texas, 1980-84: U.S. Geological Survey Water-Resources Investigations Report 87-4153, 56 p.
Williamson, A.K., 1987, Preliminary simulation of ground-water flow in the gulf coast aquifer systems, south-central United States, *in* Vecchioli, John, and Johnson, A. Ivan, eds., Aquifers of the Atlantic and Gulf Coastal Plain: American Water Resources Association, Monograph No. 9., p. 119-137.
Wilson, J.M., Nichols, H.B., and Johnson, A.M.F., 1969, Water use in Tennessee, Part B--Industrial water use: Tennessee Department of Conservation, Division of Water Resources, 64 p.
Wilson, J.M., Mallory, M.J., and Kernodle, J.M., 1972, Summary of ground water data for Tennessee through May, 1972: Tennessee Department of Conservation, Division of Water Resources Miscellaneous Publication No. 9, 241 p.
Wilson, T.A., and Hosman, R.L., 1987, Geophysical well-log database for the gulf coast aquifer systems, south-central United States: U.S. Geological Survey Open-File Report 87-677, 213 p.

SUPPLEMENTAL DATA

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*

[Point pumpage is predominately for public supply and industry, areal pumpage is predominately for irrigation; figures may not add to total because of independent rounding; Col., Column; ---, no data; <, less than.]

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
2	6	21	0.06	---	0.06	9	23	0.10	---	0.10	10	10	0.07	---	0.07
	10	23	0.60	---	0.60	11	9	1.1	---	1.1	12	24	0.08	---	0.08
	12	25	0.03	---	0.03	14	8	1.7	---	1.7	15	25	0.06	---	0.06
	15	26	0.72	---	0.72	16	11	0.18	---	0.18	17	9	0.11	---	0.11
	17	27	6.1	---	6.1	18	12	0.31	---	0.31	18	28	0.06	---	0.06
	20	14	0.10	---	0.10	20	15	1.2	---	1.2	21	29	0.17	---	0.17
	22	7	---	<0.01	<0.01	22	8	---	0.02	0.02	22	9	---	0.02	0.02
	22	10	---	0.02	0.02	22	11	---	<0.01	<0.01	22	15	0.24	---	0.24
	22	16	---	<0.01	<0.01	22	17	---	0.03	0.03	22	18	---	0.02	0.02
	22	29	0.22	---	0.22	23	7	---	0.01	0.01	23	8	---	0.02	0.02
	23	9	---	0.02	0.02	23	10	---	0.02	0.02	23	11	---	0.01	0.01
	23	16	---	0.04	0.04	23	17	---	0.05	0.05	23	18	---	0.03	0.03
	23	28	0.10	---	0.10	24	7	---	0.02	0.02	24	8	---	0.02	0.02
	24	9	---	0.02	0.02	24	10	---	0.02	0.02	24	11	---	0.02	0.02
	24	15	0.30	0.03	0.33	24	16	5.8	0.05	5.9	24	17	---	0.05	0.05
	24	18	---	0.05	0.05	24	33	---	0.03	0.03	25	7	---	0.02	0.02
	25	8	---	0.02	0.02	25	9	---	0.02	0.02	25	10	---	0.03	0.03
	25	11	---	0.06	0.06	25	14	---	0.01	0.01	25	15	---	0.05	0.05
	25	16	---	0.05	0.05	25	17	---	0.05	0.05	25	18	---	0.05	0.05
	25	19	---	<0.01	<0.01	25	34	---	0.02	0.02	26	7	---	0.02	0.02
	26	8	---	0.02	0.02	26	9	---	0.05	0.05	26	10	---	0.07	0.07
	26	11	---	0.07	0.07	26	12	---	0.01	0.01	26	13	---	0.01	0.01
	26	14	---	0.05	0.05	26	15	---	0.05	0.05	26	16	0.20	0.05	0.25
	26	17	---	0.05	0.05	26	18	1.0	0.04	1.0	26	19	---	0.01	0.01
	26	20	---	<0.01	<0.01	27	7	---	0.02	0.02	27	8	---	0.04	0.04
	27	9	---	0.07	0.07	27	10	---	0.07	0.07	27	11	---	0.07	0.07
	27	12	---	0.03	0.03	27	13	---	0.02	0.02	27	14	0.20	0.05	0.25
	27	15	0.60	0.05	0.65	27	16	---	0.05	0.05	27	17	---	0.05	0.05
	27	18	1.5	0.05	1.6	27	19	---	0.05	0.05	27	20	---	0.03	0.03
	27	35	---	0.02	0.02	28	7	---	0.04	0.04	28	8	---	0.07	0.07
	28	9	---	0.07	0.07	28	10	---	0.07	0.07	28	11	2.8	0.07	2.9
	28	12	---	0.05	0.05	28	14	0.20	0.02	0.22	28	15	---	0.05	0.05
	28	16	---	0.05	0.05	28	17	---	0.05	0.05	28	18	0.10	0.05	0.15
	28	19	0.10	0.05	0.15	28	20	---	0.04	0.04	29	9	---	0.07	0.07
	29	10	---	0.07	0.07	29	11	---	0.07	0.07	29	12	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
2	29	15	0.10	0.01	0.11	29	16	---	0.04	0.04	29	17	---	0.05	0.05
	29	18	---	0.05	0.05	29	19	0.30	0.05	0.35	29	20	---	0.05	0.05
	29	21	---	0.01	0.01	30	9	---	0.07	0.07	30	10	---	0.07	0.07
	30	11	---	0.03	0.03	30	14	0.20	---	0.20	30	15	---	<0.01	<0.01
	30	16	---	0.01	0.01	30	17	---	0.04	0.04	30	18	---	0.05	0.05
	30	19	---	0.05	0.05	30	20	---	0.02	0.02	30	21	---	0.01	0.01
	31	9	---	0.07	0.07	31	10	---	0.04	0.04	31	15	---	0.01	0.01
	31	16	---	0.01	0.01	31	17	0.20	0.01	0.21	31	18	---	0.03	0.03
	31	19	---	0.06	0.06	31	20	---	0.07	0.07	31	21	---	0.12	0.12
	31	22	---	0.04	0.04	31	24	4.7	---	4.7	32	9	---	0.01	0.01
	32	14	---	<0.01	<0.01	32	15	0.90	0.01	0.91	32	16	---	0.01	0.01
	32	17	0.90	0.01	0.91	32	18	0.10	0.01	0.11	32	19	---	0.12	0.12
	32	20	0.20	0.15	0.35	32	21	0.20	0.15	0.35	32	22	---	0.15	0.15
	32	23	---	0.12	0.12	32	24	---	0.01	0.01	33	13	---	<0.01	<0.01
	33	14	---	0.01	0.01	33	15	---	0.01	0.01	33	16	---	0.01	0.01
	33	17	---	0.01	0.01	33	18	---	0.09	0.09	33	19	---	0.15	0.15
	33	20	---	0.15	0.15	33	21	---	0.15	0.15	33	22	0.50	0.15	0.65
	33	23	4.1	0.15	4.3	33	24	---	0.07	0.07	33	35	0.03	---	0.03
	33	36	0.03	---	0.03	33	37	0.07	---	0.07	34	12	---	<0.01	<0.01
	34	13	---	0.01	0.01	34	14	---	0.01	0.01	34	15	---	0.01	0.01
	34	16	---	0.01	0.01	34	17	---	0.01	0.01	34	18	---	0.07	0.07
	34	19	---	0.15	0.15	34	20	---	0.15	0.15	34	21	---	0.15	0.15
	34	22	---	0.15	0.15	34	23	---	0.15	0.15	34	24	---	0.02	0.02
	34	36	0.06	---	0.06	34	38	0.02	---	0.02	34	39	---	<0.01	<0.01
	34	40	---	0.03	0.03	35	11	---	<0.01	<0.01	35	12	---	0.01	0.01
	35	13	---	0.01	0.01	35	14	---	0.01	0.01	35	15	---	0.01	0.01
	35	16	---	0.01	0.01	35	19	---	0.04	0.04	35	20	0.50	0.14	0.64
	35	21	---	0.14	0.14	35	22	---	0.15	0.15	35	23	0.20	0.15	0.35
	35	24	---	0.02	0.02	35	25	0.12	---	0.12	35	31	0.03	---	0.03
	35	37	0.05	---	0.05	35	39	---	0.02	0.02	35	40	<0.01	0.03	0.03
	35	76	---	0.04	0.04	36	11	---	<0.01	<0.01	36	12	---	0.01	0.01
	36	13	---	0.01	0.01	36	14	---	0.01	0.01	36	15	---	0.01	0.01
	36	16	---	<0.01	<0.01	36	20	---	0.02	0.02	36	21	---	0.04	0.04
	36	22	---	0.04	0.04	36	23	---	0.14	0.14	36	24	---	0.15	0.15
	36	25	---	0.05	0.05	36	26	---	<0.01	<0.01	36	30	0.90	---	0.90

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
2	36	37	0.03	---	0.03	36	39	---	0.02	0.02	36	40	---	0.03	0.03
	36	73	---	0.06	0.06	36	74	---	0.06	0.06	36	75	---	0.05	0.05
	37	12	---	<0.01	<0.01	37	13	---	0.01	0.01	37	14	---	0.01	0.01
	37	15	---	<0.01	<0.01	37	23	0.20	0.02	0.22	37	24	---	0.13	0.13
	37	25	---	0.06	0.06	37	26	---	0.01	0.01	37	27	---	0.01	0.01
	37	28	0.08	---	0.08	37	31	0.05	---	0.05	37	33	0.51	---	0.51
	37	37	0.03	---	0.03	37	40	---	0.01	0.01	37	41	---	0.03	0.03
	37	42	---	0.03	0.03	37	43	---	0.01	0.01	37	44	---	0.01	0.01
	37	45	---	0.01	0.01	37	46	---	0.01	0.01	37	48	---	<0.01	<0.01
	37	71	---	0.06	0.06	37	72	---	0.06	0.06	38	13	---	<0.01	<0.01
	38	14	---	<0.01	<0.01	38	24	---	0.01	0.01	38	25	---	0.02	0.02
	38	26	0.03	0.01	0.05	38	27	---	0.01	0.01	38	28	---	0.01	0.01
	38	30	0.04	---	0.04	38	34	0.90	---	0.90	38	41	0.03	0.01	0.04
	38	42	---	0.03	0.03	38	43	---	0.03	0.03	38	44	---	0.03	0.03
	38	45	---	0.01	0.01	38	46	---	0.01	0.01	38	47	---	<0.01	<0.01
	38	48	---	0.01	0.01	38	69	---	0.05	0.05	38	70	---	0.06	0.06
	38	71	---	0.06	0.06	39	24	---	<0.01	<0.01	39	25	---	0.01	0.01
	39	26	0.30	0.01	0.31	39	27	0.16	0.01	0.18	39	28	---	0.01	0.01
	39	29	---	0.01	0.01	39	30	0.08	---	0.08	39	39	0.16	---	0.16
	39	41	0.03	<0.01	0.03	39	42	---	0.01	0.01	39	43	---	0.02	0.02
	39	44	---	0.01	0.01	39	45	---	0.01	0.01	39	46	0.02	0.01	0.03
	39	47	0.33	0.01	0.34	39	48	---	0.02	0.02	39	49	---	0.02	0.02
	39	50	---	0.01	0.01	39	51	---	<0.01	<0.01	39	53	0.01	0.01	0.02
	39	54	---	0.01	0.01	39	55	0.07	<0.01	0.08	39	57	---	<0.01	<0.01
	39	58	---	<0.01	<0.01	39	60	0.01	---	0.01	39	67	---	0.04	0.04
	39	68	---	0.04	0.04	39	75	0.40	---	0.40	40	25	---	<0.01	<0.01
	40	26	---	0.01	0.01	40	27	---	0.01	0.01	40	28	---	0.01	0.01
	40	29	0.04	0.01	0.05	40	30	0.07	---	0.07	40	33	0.23	---	0.23
	40	35	---	<0.01	<0.01	40	36	---	<0.01	<0.01	40	40	---	<0.01	<0.01
	40	41	---	<0.01	<0.01	40	42	0.05	<0.01	0.05	40	43	---	<0.01	<0.01
	40	44	---	<0.01	<0.01	40	45	---	0.01	0.01	40	46	---	0.01	0.01
	40	47	0.12	0.01	0.13	40	48	---	0.02	0.02	40	49	---	0.02	0.02
	40	50	0.21	0.02	0.23	40	51	---	0.02	0.02	40	52	0.04	0.01	0.05
	40	53	0.41	0.01	0.42	40	54	---	0.01	0.01	40	55	0.07	0.01	0.08
	40	56	---	0.01	0.01	40	57	0.09	0.01	0.10	40	58	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
2	40	59	---	0.01	0.01	40	60	0.19	0.01	0.20	40	65	---	0.04	0.04
	41	26	---	0.01	0.01	41	27	---	0.01	0.01	41	28	---	0.01	0.01
	41	29	---	0.01	0.01	41	30	0.02	---	0.02	41	31	0.01	---	0.01
	41	34	---	<0.01	<0.01	41	35	0.14	<0.01	0.14	41	36	---	<0.01	<0.01
	41	37	---	<0.01	<0.01	41	38	0.06	---	0.06	41	39	---	<0.01	<0.01
	41	40	---	<0.01	<0.01	41	41	---	<0.01	<0.01	41	42	---	<0.01	<0.01
	41	43	---	<0.01	<0.01	41	45	---	<0.01	<0.01	41	46	---	0.01	0.01
	41	47	0.05	0.01	0.07	41	48	---	0.02	0.02	41	49	0.08	0.02	0.09
	41	50	---	0.02	0.02	41	51	---	0.02	0.02	41	52	0.04	0.01	0.05
	41	53	1.0	0.01	1.0	41	54	0.05	0.01	0.06	41	55	---	0.01	0.01
	41	56	---	0.01	0.01	41	57	---	0.01	0.01	41	58	---	0.02	0.02
	41	59	---	0.02	0.02	41	60	0.05	0.02	0.07	41	61	---	0.02	0.02
	41	62	0.58	0.03	0.61	41	63	0.12	0.04	0.16	41	64	0.01	0.04	0.05
	41	65	---	0.04	0.04	41	66	---	0.01	0.01	42	27	---	<0.01	<0.01
	42	28	---	<0.01	<0.01	42	32	0.50	---	0.50	42	35	---	<0.01	<0.01
	42	36	---	<0.01	<0.01	42	37	0.04	<0.01	0.04	42	38	---	<0.01	<0.01
	42	39	0.14	<0.01	0.15	42	40	0.10	<0.01	0.11	42	41	---	<0.01	<0.01
	42	42	---	<0.01	<0.01	42	46	0.12	---	0.12	42	47	---	<0.01	<0.01
	42	48	---	0.01	0.01	42	49	0.14	0.01	0.15	42	50	0.08	0.01	0.09
	42	51	---	0.02	0.02	42	52	---	0.01	0.01	42	53	---	0.01	0.01
	42	54	0.07	0.01	0.08	42	55	---	<0.01	<0.01	42	57	---	<0.01	<0.01
	42	58	---	0.01	0.01	42	59	0.04	0.01	0.06	42	60	0.09	0.01	0.10
	42	61	---	0.02	0.02	42	62	0.64	0.04	0.68	42	63	0.02	0.04	0.06
	42	64	0.06	0.04	0.11	42	65	---	0.04	0.04	42	66	---	0.04	0.04
	42	67	---	0.01	0.01	42	70	0.22	---	0.22	43	34	---	<0.01	<0.01
	43	35	---	<0.01	<0.01	43	36	---	<0.01	<0.01	43	37	---	<0.01	<0.01
	43	38	---	<0.01	<0.01	43	39	---	<0.01	<0.01	43	40	---	<0.01	<0.01
	43	41	---	<0.01	<0.01	43	47	0.01	---	0.01	43	51	---	<0.01	<0.01
	43	52	---	0.01	0.01	43	53	---	0.01	0.01	43	54	---	0.01	0.01
	43	57	0.35	---	0.35	43	59	---	0.01	0.01	43	60	---	0.02	0.02
	43	61	---	0.03	0.03	43	62	---	0.04	0.04	43	63	---	0.04	0.04
	43	64	2.3	0.04	2.3	43	65	0.35	0.04	0.40	43	66	---	0.03	0.03
	44	30	0.14	---	0.14	44	33	---	<0.01	<0.01	44	34	---	<0.01	<0.01
	44	35	---	<0.01	<0.01	44	36	---	<0.01	<0.01	44	37	---	<0.01	<0.01
	44	38	---	<0.01	<0.01	44	39	---	<0.01	<0.01	44	40	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
2	44	50	0.05	---	0.05	44	52	---	<0.01	<0.01	44	53	---	0.01	0.01
	44	56	1.5	---	1.5	44	60	---	0.01	0.01	44	61	0.11	0.03	0.14
	44	62	---	0.04	0.04	44	63	---	0.04	0.04	44	64	0.89	0.04	0.93
	44	65	0.14	0.03	0.18	44	66	---	0.01	0.01	45	33	---	<0.01	<0.01
	45	34	---	<0.01	<0.01	45	35	---	<0.01	<0.01	45	36	---	<0.01	<0.01
	45	37	---	<0.01	<0.01	45	38	---	<0.01	<0.01	45	39	---	<0.01	<0.01
	45	40	---	<0.01	<0.01	45	59	0.10	---	0.10	45	62	---	0.03	0.03
	45	63	---	0.04	0.04	45	64	0.15	0.04	0.19	45	65	---	0.02	0.02
	45	69	0.09	---	0.09	46	34	---	<0.01	<0.01	46	35	---	<0.01	<0.01
	46	36	---	<0.01	<0.01	46	37	---	<0.01	<0.01	46	38	---	<0.01	<0.01
	46	53	0.04	---	0.04	46	63	---	0.02	0.02	46	64	---	0.03	0.03
	46	67	0.23	---	0.23	47	35	---	<0.01	<0.01	47	53	0.31	---	0.31
	47	56	0.13	---	0.13	47	65	0.11	---	0.11	48	69	0.06	---	0.06
	49	13	---	0.01	0.01	49	14	---	<0.01	<0.01	49	15	---	<0.01	<0.01
	49	16	---	<0.01	<0.01	50	13	---	0.01	0.01	50	14	---	0.01	0.01
	50	15	---	0.01	0.01	50	16	---	0.01	0.01	50	17	---	<0.01	<0.01
	51	13	---	0.01	0.01	51	14	---	0.01	0.01	51	15	---	0.01	0.01
	51	16	---	0.01	0.01	51	17	---	0.01	0.01	51	18	---	0.01	0.01
	51	19	---	<0.01	<0.01	52	13	---	0.01	0.01	52	14	---	0.01	0.01
	52	15	---	0.01	0.01	52	16	---	0.01	0.01	52	17	---	0.01	0.01
	52	18	---	0.01	0.01	52	19	---	<0.01	<0.01	53	13	---	<0.01	<0.01
	53	14	---	0.01	0.01	53	15	---	0.01	0.01	53	16	---	0.01	0.01
	53	17	---	0.01	0.01	53	18	---	0.01	0.01	53	19	---	<0.01	<0.01
	54	14	---	<0.01	<0.01	54	15	---	0.01	0.01	54	16	---	0.01	0.01
	54	17	---	0.01	0.01	54	18	---	<0.01	<0.01	55	15	---	<0.01	<0.01
	55	16	---	<0.01	<0.01	55	17	---	<0.01	<0.01	67	14	---	0.01	0.01
	69	15	---	0.01	0.01	79	15	---	<0.01	<0.01	79	16	---	<0.01	<0.01
	80	15	---	0.01	0.01	80	16	---	0.01	0.01	80	17	---	<0.01	<0.01
	81	13	0.10	0.01	0.11	81	14	---	0.01	0.01	81	15	---	0.01	0.01
	81	16	---	0.01	0.01	81	17	---	0.01	0.01	81	18	---	<0.01	<0.01
	82	13	---	<0.01	<0.01	82	14	---	0.01	0.01	82	15	---	0.01	0.01
	82	16	---	0.01	0.01	82	17	---	0.01	0.01	82	18	---	0.01	0.01
	83	14	---	<0.01	<0.01	83	15	---	0.01	0.01	83	16	---	0.01	0.01
	83	17	---	0.01	0.01	83	18	---	<0.01	<0.01	84	15	---	<0.01	<0.01
	84	16	---	0.01	0.01	84	17	---	0.01	0.01	84	18	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
2	84	19	---	<0.01	<0.01	85	16	---	<0.01	<0.01	85	17	---	0.01	0.01
	85	18	---	0.01	0.01	85	19	---	<0.01	<0.01	86	17	---	<0.01	<0.01
	86	18	---	<0.01	<0.01	-	-	---	---	---	-	-	---	---	---
3	8	21	0.01	---	0.01	11	20	0.40	---	0.40	12	20	0.14	---	0.14
	24	8	---	0.46	0.46	25	31	0.66	---	0.66	27	9	---	0.69	0.69
	28	9	---	0.69	0.69	32	37	0.04	---	0.04	35	77	---	0.04	0.04
	36	40	<0.01	---	<0.01	36	76	---	0.04	0.04	36	77	---	0.04	0.04
	37	73	---	0.06	0.06	37	74	---	0.06	0.06	37	75	---	0.05	0.05
	37	76	---	0.04	0.04	38	37	0.08	---	0.08	38	42	---	<0.01	<0.01
	38	72	---	0.06	0.06	38	73	---	0.06	0.06	38	74	---	0.06	0.06
	39	35	0.13	---	0.13	39	41	---	<0.01	<0.01	39	42	---	<0.01	<0.01
	39	43	0.03	<0.01	0.03	39	69	---	0.05	0.05	39	70	---	0.05	0.05
	39	71	---	0.06	0.06	39	72	---	0.06	0.06	39	73	---	0.06	0.06
	40	35	---	<0.01	<0.01	40	36	---	<0.01	<0.01	40	40	---	<0.01	<0.01
	40	41	---	<0.01	<0.01	40	42	---	<0.01	<0.01	40	43	---	<0.01	<0.01
	40	44	---	<0.01	<0.01	40	50	0.53	---	0.53	40	65	---	<0.01	<0.01
	40	66	---	0.04	0.04	40	67	---	0.04	0.04	40	68	---	0.05	0.05
	40	69	---	0.05	0.05	40	70	---	0.05	0.05	40	71	---	0.05	0.05
	40	72	---	0.06	0.06	41	34	0.04	<0.01	0.04	41	35	---	<0.01	<0.01
	41	36	---	<0.01	<0.01	41	37	---	<0.01	<0.01	41	39	---	<0.01	<0.01
	41	40	---	<0.01	<0.01	41	41	---	<0.01	<0.01	41	42	---	<0.01	<0.01
	41	43	---	<0.01	<0.01	41	44	---	<0.01	<0.01	41	45	---	<0.01	<0.01
	41	46	---	<0.01	<0.01	41	50	0.05	---	0.05	41	51	---	<0.01	<0.01
	41	52	0.03	0.02	0.04	41	53	---	0.02	0.02	41	54	---	0.02	0.02
	41	55	---	0.02	0.02	41	56	---	0.01	0.01	41	62	---	<0.01	<0.01
	41	63	---	<0.01	<0.01	41	64	---	<0.01	<0.01	41	65	---	<0.01	<0.01
	41	66	---	0.03	0.03	41	67	---	0.05	0.05	41	68	---	0.05	0.05
	41	69	---	0.05	0.05	41	70	---	0.05	0.05	41	71	---	0.05	0.05
	42	35	---	<0.01	<0.01	42	36	0.23	<0.01	0.24	42	37	---	<0.01	<0.01
	42	38	---	<0.01	<0.01	42	39	---	<0.01	<0.01	42	40	0.02	<0.01	0.03
	42	41	0.63	<0.01	0.64	42	42	0.01	<0.01	0.02	42	43	0.08	<0.01	0.09
	42	44	---	<0.01	<0.01	42	45	0.15	<0.01	0.15	42	46	---	<0.01	<0.01
	42	47	---	<0.01	<0.01	42	48	---	<0.01	<0.01	42	49	0.02	<0.01	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
3	42	50	0.03	<0.01	0.03	42	52	---	0.01	0.01	42	53	0.05	0.02	0.07
	42	54	---	0.02	0.02	42	55	---	0.01	0.01	42	56	---	<0.01	<0.01
	42	57	---	<0.01	<0.01	42	58	---	<0.01	<0.01	42	61	---	<0.01	<0.01
	42	62	---	<0.01	<0.01	42	63	---	<0.01	<0.01	42	64	---	<0.01	<0.01
	42	65	---	<0.01	<0.01	42	66	---	<0.01	<0.01	42	67	---	0.03	0.03
	42	69	---	0.05	0.05	42	70	---	0.05	0.05	43	34	---	<0.01	<0.01
	43	35	---	<0.01	<0.01	43	36	---	<0.01	<0.01	43	37	---	<0.01	<0.01
	43	38	---	<0.01	<0.01	43	39	---	<0.01	<0.01	43	40	---	<0.01	<0.01
	43	41	---	<0.01	<0.01	43	42	---	<0.01	<0.01	43	43	---	<0.01	<0.01
	43	44	0.04	<0.01	0.04	43	45	---	<0.01	<0.01	43	46	---	<0.01	<0.01
	43	47	---	<0.01	<0.01	43	48	---	<0.01	<0.01	43	49	---	<0.01	<0.01
	43	50	---	<0.01	<0.01	43	51	---	<0.01	<0.01	43	52	---	0.02	0.02
	43	53	---	0.02	0.02	43	54	0.08	0.01	0.09	43	55	---	<0.01	<0.01
	43	56	---	<0.01	<0.01	43	57	---	<0.01	<0.01	43	58	---	<0.01	<0.01
	43	59	---	<0.01	<0.01	43	60	---	<0.01	<0.01	43	61	---	<0.01	<0.01
	43	62	---	<0.01	<0.01	43	63	---	<0.01	<0.01	43	64	---	<0.01	<0.01
	43	65	---	<0.01	<0.01	43	66	---	<0.01	<0.01	44	33	---	<0.01	<0.01
	44	34	---	<0.01	<0.01	44	35	---	<0.01	<0.01	44	36	---	<0.01	<0.01
	44	37	---	<0.01	<0.01	44	38	---	<0.01	<0.01	44	39	---	<0.01	<0.01
	44	40	---	<0.01	<0.01	44	41	---	<0.01	<0.01	44	42	---	<0.01	<0.01
	44	43	---	<0.01	<0.01	44	44	---	<0.01	<0.01	44	45	---	<0.01	<0.01
	44	46	---	<0.01	<0.01	44	47	---	<0.01	<0.01	44	48	---	<0.01	<0.01
	44	49	---	<0.01	<0.01	44	50	---	<0.01	<0.01	44	51	---	<0.01	<0.01
	44	52	---	<0.01	<0.01	44	53	---	0.01	0.01	44	54	---	<0.01	<0.01
	44	55	---	<0.01	<0.01	44	56	0.05	<0.01	0.06	44	57	---	<0.01	<0.01
	44	58	---	<0.01	<0.01	44	59	---	<0.01	<0.01	44	60	---	<0.01	<0.01
	44	61	---	<0.01	<0.01	44	62	---	<0.01	<0.01	44	63	---	<0.01	<0.01
	44	64	---	<0.01	<0.01	44	65	---	<0.01	<0.01	44	66	---	<0.01	<0.01
	44	75	---	0.05	0.05	44	76	---	0.04	0.04	45	34	---	<0.01	<0.01
	45	35	---	<0.01	<0.01	45	36	---	<0.01	<0.01	45	37	---	<0.01	<0.01
	45	38	---	<0.01	<0.01	45	39	---	<0.01	<0.01	45	40	---	<0.01	<0.01
	45	41	---	<0.01	<0.01	45	42	---	<0.01	<0.01	45	43	---	<0.01	<0.01
	45	44	---	<0.01	<0.01	45	45	---	<0.01	<0.01	45	46	0.14	<0.01	0.15
	45	47	---	<0.01	<0.01	45	48	---	<0.01	<0.01	45	49	---	<0.01	<0.01
	45	50	---	<0.01	<0.01	45	51	---	<0.01	<0.01	45	52	0.01	<0.01	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
3	45	53	---	<0.01	<0.01	45	54	---	<0.01	<0.01	45	55	---	<0.01	<0.01
	45	56	---	<0.01	<0.01	45	57	---	<0.01	<0.01	45	58	---	<0.01	<0.01
	45	59	---	<0.01	<0.01	45	62	---	<0.01	<0.01	45	63	---	<0.01	<0.01
	45	64	---	<0.01	<0.01	45	65	---	<0.01	<0.01	46	33	---	<0.01	<0.01
	46	34	---	<0.01	<0.01	46	35	---	<0.01	<0.01	46	36	---	<0.01	<0.01
	46	37	---	<0.01	<0.01	46	38	---	<0.01	<0.01	46	40	---	<0.01	<0.01
	46	41	---	<0.01	<0.01	46	42	0.17	<0.01	0.17	46	43	---	<0.01	<0.01
	46	44	---	<0.01	<0.01	46	45	---	<0.01	<0.01	46	46	---	<0.01	<0.01
	46	47	---	<0.01	<0.01	46	48	---	<0.01	<0.01	46	49	---	<0.01	<0.01
	46	50	---	<0.01	<0.01	46	51	0.05	<0.01	0.05	46	52	---	<0.01	<0.01
	46	54	0.11	---	0.11	46	55	---	<0.01	<0.01	46	56	---	<0.01	<0.01
	46	57	---	<0.01	<0.01	46	58	---	<0.01	<0.01	46	63	---	<0.01	<0.01
	46	64	---	<0.01	<0.01	47	35	---	<0.01	<0.01	47	42	---	<0.01	<0.01
	47	43	---	<0.01	<0.01	47	44	---	<0.01	<0.01	47	45	---	<0.01	<0.01
	47	48	---	<0.01	<0.01	47	49	---	<0.01	<0.01	47	50	---	<0.01	<0.01
	47	51	---	<0.01	<0.01	47	56	---	<0.01	<0.01	47	57	---	<0.01	<0.01
	47	64	---	<0.01	<0.01	48	42	---	<0.01	<0.01	48	43	---	<0.01	<0.01
	48	44	---	<0.01	<0.01	48	48	---	<0.01	<0.01	48	49	---	<0.01	<0.01
	48	50	---	<0.01	<0.01	48	63	---	<0.01	<0.01	48	64	0.05	<0.01	0.05
	48	65	---	<0.01	<0.01	48	66	---	<0.01	<0.01	49	49	---	<0.01	<0.01
	49	50	---	<0.01	<0.01	49	62	---	<0.01	<0.01	49	63	---	<0.01	<0.01
	49	64	---	<0.01	<0.01	49	65	---	<0.01	<0.01	49	66	---	<0.01	<0.01
	49	67	---	<0.01	<0.01	50	49	---	<0.01	<0.01	50	50	---	<0.01	<0.01
	50	61	---	<0.01	<0.01	50	62	---	<0.01	<0.01	50	63	---	<0.01	<0.01
	50	64	---	<0.01	<0.01	50	65	---	<0.01	<0.01	50	66	---	<0.01	<0.01
	50	67	---	<0.01	<0.01	50	68	---	<0.01	<0.01	51	49	0.11	---	0.11
	51	62	---	<0.01	<0.01	51	63	---	<0.01	<0.01	51	64	---	<0.01	<0.01
	51	65	---	<0.01	<0.01	51	66	---	<0.01	<0.01	51	67	---	<0.01	<0.01
	52	13	---	<0.01	<0.01	52	63	---	<0.01	<0.01	52	64	---	<0.01	<0.01
	52	65	---	<0.01	<0.01	52	66	---	<0.01	<0.01	52	67	---	<0.01	<0.01
	53	13	---	0.01	0.01	53	14	---	<0.01	<0.01	53	64	---	<0.01	<0.01
	53	65	---	<0.01	<0.01	53	66	---	<0.01	<0.01	54	13	---	0.01	0.01
	54	14	---	0.01	0.01	54	15	---	<0.01	<0.01	54	16	---	<0.01	<0.01
	54	65	---	<0.01	<0.01	55	13	---	0.01	0.01	55	14	---	0.01	0.01
	55	15	---	0.01	0.01	55	16	---	0.01	0.01	55	17	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
3	56	13	---	0.01	0.01	56	14	---	0.01	0.01	56	15	---	0.01	0.01
	56	16	---	0.01	0.01	57	13	---	0.01	0.01	57	14	---	0.01	0.01
	57	15	---	0.01	0.01	58	13	---	0.01	0.01	58	14	0.20	0.01	0.21
	58	15	---	<0.01	<0.01	59	13	---	0.01	0.01	59	14	---	0.01	0.01
	60	13	---	0.01	0.01	60	14	---	<0.01	<0.01	61	13	---	0.01	0.01
	62	13	---	0.01	0.01	62	14	---	<0.01	<0.01	63	13	---	0.01	0.01
	63	14	---	0.01	0.01	63	15	---	0.01	0.01	64	13	---	0.02	0.02
	64	14	---	0.01	0.01	64	15	---	0.01	0.01	64	16	---	<0.01	<0.01
	65	13	---	0.02	0.02	65	14	---	0.01	0.01	65	15	---	<0.01	<0.01
	66	13	---	0.01	0.01	66	14	---	0.02	0.02	66	15	---	0.01	0.01
	67	15	---	0.01	0.01	67	16	---	<0.01	<0.01	68	15	---	0.02	0.02
	68	16	---	0.01	0.01	68	17	---	0.01	0.01	69	15	---	0.01	0.01
	69	16	---	0.02	0.02	69	17	---	0.01	0.01	70	15	---	0.01	0.01
	70	16	---	0.02	0.02	70	17	---	0.01	0.01	71	15	---	0.01	0.01
	71	16	---	0.02	0.02	71	17	---	<0.01	<0.01	72	15	---	0.01	0.01
	72	16	---	0.01	0.01	72	17	---	0.01	0.01	72	18	---	<0.01	<0.01
	73	15	---	0.01	0.01	73	16	---	0.01	0.01	73	17	---	0.01	0.01
	73	18	---	0.01	0.01	73	19	---	<0.01	<0.01	74	15	---	0.01	0.01
	74	16	---	0.01	0.01	74	17	---	0.01	0.01	74	18	---	0.01	0.01
	74	19	---	0.01	0.01	74	20	---	<0.01	<0.01	75	15	---	0.01	0.01
	75	16	---	0.01	0.01	75	17	---	0.01	0.01	75	18	---	0.01	0.01
	75	19	---	0.01	0.01	76	15	---	<0.01	<0.01	76	16	---	0.01	0.01
	76	17	---	0.01	0.01	76	18	---	0.01	0.01	76	19	---	<0.01	<0.01
	77	15	---	<0.01	<0.01	77	16	---	<0.01	<0.01	77	17	---	<0.01	<0.01
	77	18	---	<0.01	<0.01	78	15	---	<0.01	<0.01	78	16	---	<0.01	<0.01
	79	13	---	<0.01	<0.01	79	14	---	<0.01	<0.01	79	15	---	0.13	0.13
	79	16	---	<0.01	<0.01	80	14	---	0.15	0.15	81	13	---	0.15	0.15
	81	14	---	0.15	0.15	82	13	---	0.09	0.09	82	14	---	0.15	0.15
	83	13	---	0.02	0.02	83	14	---	0.06	0.06	83	15	---	0.14	0.14
	83	20	---	0.04	0.04	83	21	---	0.09	0.09	83	22	---	0.02	0.02
	84	13	---	0.04	0.04	84	14	---	0.06	0.06	84	15	---	0.04	0.04
	84	16	---	<0.01	<0.01	84	21	0.20	0.09	0.29	84	22	---	0.09	0.09
	84	23	---	0.04	0.04	84	24	---	0.02	0.02	84	25	---	0.06	0.06
	84	26	---	0.04	0.04	84	27	0.20	---	0.20	84	30	0.20	---	0.20
	85	12	---	0.02	0.02	85	13	---	0.05	0.05	85	14	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
3	85	15	---	0.06	0.06	85	16	---	0.05	0.05	85	17	---	0.01	0.01
	85	18	---	0.01	0.01	85	19	---	0.04	0.04	85	20	---	0.01	0.01
	85	21	---	0.02	0.02	85	22	---	0.08	0.08	85	23	---	0.11	0.11
	85	24	---	0.11	0.11	85	25	---	0.11	0.11	85	26	0.30	0.11	0.41
	85	27	0.40	0.08	0.48	85	28	0.20	---	0.20	85	31	0.10	---	0.10
	85	35	---	<0.01	<0.01	85	36	---	<0.01	<0.01	85	37	---	<0.01	<0.01
	86	11	---	0.02	0.02	86	12	0.60	0.02	0.62	86	13	---	0.06	0.06
	86	14	---	0.06	0.06	86	15	---	0.06	0.06	86	16	1.0	0.06	1.1
	86	17	---	0.05	0.05	86	18	---	0.05	0.05	86	19	---	0.04	0.04
	86	20	0.10	0.05	0.15	86	21	---	0.01	0.01	86	22	---	0.02	0.02
	86	23	---	0.11	0.11	86	24	---	0.12	0.12	86	25	---	0.07	0.07
	86	26	---	0.13	0.13	86	27	---	0.11	0.11	86	28	---	0.09	0.09
	86	29	---	0.08	0.08	86	34	---	0.02	0.02	86	35	---	0.02	0.02
	86	36	---	0.02	0.02	86	37	---	0.02	0.02	87	10	---	0.02	0.02
	87	11	---	0.02	0.02	87	12	---	0.07	0.07	87	13	---	0.06	0.06
	87	14	---	0.06	0.06	87	15	---	0.06	0.06	87	16	---	0.06	0.06
	87	17	---	0.06	0.06	87	18	---	0.05	0.05	87	19	---	0.04	0.04
	87	20	0.30	0.05	0.35	87	21	---	0.13	0.13	87	22	---	0.13	0.13
	87	23	---	0.13	0.13	87	24	---	0.11	0.11	87	25	0.20	0.06	0.26
	87	26	---	0.07	0.07	87	27	---	0.07	0.07	87	28	---	0.09	0.09
	87	29	---	0.09	0.09	87	30	---	0.06	0.06	87	31	---	0.03	0.03
	87	32	0.10	---	0.10	87	35	---	0.01	0.01	87	36	---	0.02	0.02
	87	37	0.10	0.04	0.14	87	38	---	<0.01	<0.01	88	10	---	0.02	0.02
	88	11	---	0.05	0.05	88	12	0.20	0.06	0.26	88	13	---	0.06	0.06
	88	14	---	0.06	0.06	88	15	---	0.06	0.06	88	16	---	0.06	0.06
	88	17	0.60	0.06	0.66	88	18	---	0.03	0.03	88	20	---	0.03	0.03
	88	21	---	0.14	0.14	88	22	---	0.07	0.07	88	23	---	0.07	0.07
	88	24	---	0.07	0.07	88	25	0.70	0.05	0.75	88	26	---	0.09	0.09
	88	27	---	0.11	0.11	88	28	---	0.12	0.12	88	29	---	0.12	0.12
	88	30	---	0.14	0.14	88	31	---	0.18	0.18	88	32	---	0.08	0.08
	88	35	---	0.01	0.01	88	36	---	0.04	0.04	88	37	---	0.05	0.05
	88	38	---	0.06	0.06	89	10	---	0.02	0.02	89	11	---	0.04	0.04
	89	12	---	0.06	0.06	89	13	---	0.06	0.06	89	14	---	0.06	0.06
	89	15	0.20	0.06	0.26	89	16	---	0.06	0.06	89	17	---	0.04	0.04
	89	21	---	0.01	0.01	89	22	---	0.04	0.04	89	23	---	0.05	0.05

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
3	89	24	---	0.05	0.05	89	25	---	0.04	0.04	89	26	---	0.04	0.04
	89	27	---	0.05	0.05	89	28	---	0.04	0.04	89	29	---	0.05	0.05
	89	30	---	0.07	0.07	89	31	---	0.21	0.21	89	32	---	0.22	0.22
	89	33	---	0.22	0.22	89	34	0.60	0.22	0.82	89	35	---	0.16	0.16
	89	36	---	0.06	0.06	89	37	---	0.04	0.04	89	38	0.20	0.02	0.22
	89	39	---	<0.01	<0.01	90	9	---	0.06	0.06	90	10	---	0.09	0.09
	90	11	---	0.06	0.06	90	12	---	0.04	0.04	90	13	---	0.06	0.06
	90	14	---	0.06	0.06	90	15	---	0.06	0.06	90	16	---	0.04	0.04
	90	17	0.20	<0.01	0.20	90	22	---	0.01	0.01	90	23	---	0.04	0.04
	90	24	0.10	0.04	0.14	90	25	---	0.04	0.04	90	26	0.10	0.05	0.15
	90	27	---	0.02	0.02	90	28	---	0.02	0.02	90	29	---	0.02	0.02
	90	30	---	0.02	0.02	90	31	---	0.06	0.06	90	32	0.10	0.06	0.16
	90	33	---	0.02	0.02	90	34	---	0.03	0.03	90	35	---	0.04	0.04
	90	36	---	0.04	0.04	90	37	---	0.03	0.03	90	38	---	0.02	0.02
	90	39	---	0.02	0.02	91	9	---	0.11	0.11	91	10	---	0.04	0.04
	91	13	---	0.03	0.03	91	14	---	0.06	0.06	91	15	---	0.04	0.04
	91	16	---	<0.01	<0.01	91	23	0.20	---	0.20	91	24	---	0.04	0.04
	91	25	---	0.05	0.05	91	26	---	0.04	0.04	91	27	---	0.04	0.04
	91	28	---	0.02	0.02	91	29	---	0.02	0.02	91	30	---	0.02	0.02
	91	31	---	0.02	0.02	91	32	---	0.02	0.02	91	33	---	0.02	0.02
	91	34	---	0.01	0.01	91	35	---	0.03	0.03	91	36	---	0.02	0.02
	91	37	---	0.02	0.02	91	38	---	0.02	0.02	91	39	---	0.01	0.01
	92	8	---	0.06	0.06	92	9	---	0.06	0.06	92	10	---	0.07	0.07
	92	11	---	0.06	0.06	92	14	---	0.02	0.02	92	15	---	0.01	0.01
	92	23	---	<0.01	<0.01	92	24	---	0.04	0.04	92	25	0.10	0.05	0.15
	92	26	---	0.05	0.05	92	27	0.10	0.04	0.14	92	28	0.40	0.02	0.42
	92	29	---	0.02	0.02	92	30	---	0.02	0.02	92	31	1.0	0.02	1.0
	92	32	---	0.02	0.02	92	33	---	0.02	0.02	92	34	0.10	0.03	0.13
	92	35	---	0.04	0.04	92	36	---	0.03	0.03	92	37	---	0.03	0.03
	92	38	---	0.02	0.02	92	39	---	0.01	0.01	93	8	---	0.06	0.06
	93	9	0.30	0.06	0.36	93	10	---	0.06	0.06	93	23	---	0.03	0.03
	93	24	---	0.05	0.05	93	25	---	0.05	0.05	93	26	---	0.05	0.05
	93	27	---	0.01	0.01	93	28	---	0.02	0.02	93	29	---	0.02	0.02
	93	30	---	0.02	0.02	93	31	---	0.02	0.02	93	32	---	0.02	0.02
	93	33	---	0.03	0.03	93	34	---	0.04	0.04	93	35	---	0.04	0.04

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
3	93	36	---	0.04	0.04	93	37	---	0.04	0.04	93	38	---	0.03	0.03
	93	39	---	0.02	0.02	94	8	---	0.06	0.06	94	9	---	0.06	0.06
	94	22	---	<0.01	<0.01	94	23	---	0.05	0.05	94	24	---	0.05	0.05
	94	25	---	0.05	0.05	94	26	---	0.05	0.05	94	27	---	0.04	0.04
	94	28	---	0.02	0.02	94	29	---	0.02	0.02	94	30	---	0.02	0.02
	94	31	---	0.02	0.02	94	32	---	0.03	0.03	94	33	---	0.04	0.04
	94	34	---	0.04	0.04	94	35	---	0.04	0.04	94	36	---	0.04	0.04
	94	37	---	0.04	0.04	94	38	---	0.04	0.04	94	39	---	0.01	0.01
	95	7	---	0.12	0.12	95	8	---	0.12	0.12	95	9	---	0.06	0.06
	95	21	---	0.02	0.02	95	22	---	0.05	0.05	95	23	---	0.05	0.05
	95	24	---	0.05	0.05	95	25	---	0.05	0.05	95	26	---	0.05	0.05
	95	27	---	0.05	0.05	95	28	---	0.04	0.04	95	29	---	0.05	0.05
	95	30	---	0.05	0.05	95	31	---	0.04	0.04	95	32	---	0.03	0.03
	95	33	---	0.02	0.02	95	34	---	0.04	0.04	95	35	0.20	0.04	0.24
	95	36	---	0.04	0.04	95	37	---	0.04	0.04	95	38	---	0.03	0.03
	95	39	0.10	---	0.10	96	8	---	0.12	0.12	96	9	0.50	0.13	0.63
	96	10	---	0.01	0.01	96	20	---	0.04	0.04	96	21	0.20	0.06	0.26
	96	22	---	0.05	0.05	96	23	---	0.05	0.05	96	24	---	0.05	0.05
	96	25	0.30	0.05	0.35	96	26	---	0.05	0.05	96	27	---	0.05	0.05
	96	28	---	0.06	0.06	96	29	---	0.07	0.07	96	30	---	0.07	0.07
	96	31	---	0.07	0.07	96	32	---	0.07	0.07	96	33	---	0.06	0.06
	96	34	---	0.01	0.01	96	35	---	0.03	0.03	96	36	---	0.04	0.04
	96	37	---	0.04	0.04	96	38	---	0.02	0.02	97	7	---	0.12	0.12
	97	8	---	0.12	0.12	97	9	---	0.03	0.03	97	10	---	0.04	0.04
	97	11	---	0.02	0.02	97	19	---	0.01	0.01	97	20	---	0.06	0.06
	97	21	---	0.07	0.07	97	22	---	0.05	0.05	97	23	---	0.05	0.05
	97	24	---	0.05	0.05	97	25	0.20	0.05	0.25	97	26	---	0.05	0.05
	97	27	---	0.06	0.06	97	28	0.10	0.07	0.17	97	29	---	0.07	0.07
	97	30	---	0.07	0.07	97	31	---	0.07	0.07	97	32	---	0.07	0.07
	97	33	---	0.06	0.06	97	34	---	0.02	0.02	97	36	---	0.02	0.02
	97	37	---	0.02	0.02	98	7	---	0.12	0.12	98	8	---	0.14	0.14
	98	9	---	0.04	0.04	98	10	---	0.04	0.04	98	11	---	0.04	0.04
	98	12	---	0.02	0.02	98	18	---	<0.01	<0.01	98	19	---	0.05	0.05
	98	20	---	0.07	0.07	98	21	---	0.07	0.07	98	22	---	0.06	0.06
	98	23	---	0.05	0.05	98	24	---	0.05	0.05	98	25	---	0.05	0.05

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
3	98	26	---	0.06	0.06	98	27	---	0.07	0.07	98	28	---	0.07	0.07
	98	29	---	0.07	0.07	98	30	---	0.07	0.07	98	31	---	0.07	0.07
	98	32	---	0.07	0.07	98	33	---	0.05	0.05	98	34	---	0.02	0.02
	98	35	---	0.02	0.02	98	36	---	0.02	0.02	98	37	---	0.02	0.02
	99	7	---	0.02	0.02	99	8	---	0.04	0.04	99	9	---	0.04	0.04
	99	10	---	0.04	0.04	99	11	---	0.04	0.04	99	12	---	0.04	0.04
	99	13	---	0.02	0.02	99	14	---	<0.01	<0.01	99	18	---	0.04	0.04
	99	19	---	0.07	0.07	99	20	---	0.07	0.07	99	21	---	0.07	0.07
	99	22	---	0.07	0.07	99	23	---	0.06	0.06	99	24	---	0.05	0.05
	99	25	---	0.06	0.06	99	26	---	0.07	0.07	99	27	0.20	0.07	0.27
	99	28	---	0.07	0.07	99	29	---	0.07	0.07	99	30	---	0.07	0.07
	99	31	---	0.06	0.06	99	32	---	0.05	0.05	99	33	---	0.04	0.04
	99	34	---	0.05	0.05	99	35	---	0.02	0.02	99	36	---	0.02	0.02
	100	6	---	0.01	0.01	100	7	2.5	0.04	2.5	100	8	---	0.04	0.04
	100	9	0.30	0.04	0.34	100	10	---	0.04	0.04	100	11	---	0.04	0.04
	100	12	---	0.04	0.04	100	13	---	0.03	0.03	100	14	---	<0.01	<0.01
	100	17	---	0.01	0.01	100	18	---	0.07	0.07	100	19	---	0.07	0.07
	100	20	---	0.07	0.07	100	21	1.9	0.07	2.0	100	22	---	0.07	0.07
	100	23	---	0.07	0.07	100	24	---	0.06	0.06	100	25	---	0.07	0.07
	100	26	---	0.06	0.06	100	27	---	0.04	0.04	100	28	---	0.07	0.07
	100	29	---	0.07	0.07	100	30	---	0.05	0.05	100	31	---	0.05	0.05
	100	32	---	0.05	0.05	100	33	---	0.05	0.05	100	34	---	0.04	0.04
	100	35	---	0.02	0.02	101	6	---	0.06	0.06	101	7	---	0.03	0.03
	101	8	---	0.04	0.04	101	9	---	0.04	0.04	101	10	---	0.04	0.04
	101	11	---	0.03	0.03	101	12	---	0.01	0.01	101	13	---	<0.01	<0.01
	101	18	0.40	0.01	0.41	101	19	1.0	0.06	1.1	101	20	0.10	0.07	0.17
	101	21	---	0.07	0.07	101	22	---	0.07	0.07	101	23	---	0.07	0.07
	101	24	---	0.07	0.07	101	25	---	0.07	0.07	101	26	---	0.01	0.01
	101	27	0.30	---	0.30	101	28	---	0.01	0.01	101	29	---	0.03	0.03
	101	30	---	0.03	0.03	101	31	---	0.04	0.04	101	32	---	0.05	0.05
	102	6	---	0.06	0.06	102	7	---	0.06	0.06	102	8	0.10	0.02	0.12
	102	9	---	0.03	0.03	102	10	---	0.02	0.02	102	11	---	0.01	0.01
	102	19	---	0.01	0.01	102	20	---	0.06	0.06	102	21	---	0.07	0.07
	102	22	---	0.07	0.07	102	23	---	0.07	0.07	102	24	0.20	0.07	0.27
	102	25	---	0.02	0.02	103	7	---	0.06	0.06	103	8	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
3	103	9	---	0.09	0.09	103	20	---	<0.01	<0.01	103	21	---	0.05	0.05
	103	22	---	0.07	0.07	103	23	---	0.07	0.07	103	24	---	0.03	0.03
	104	7	---	0.09	0.09	104	8	---	0.09	0.09	104	9	1.9	0.21	2.1
	104	10	---	0.21	0.21	104	11	---	0.09	0.09	104	22	---	0.04	0.04
	104	23	---	0.04	0.04	105	8	---	0.09	0.09	105	9	---	0.21	0.21
	105	10	---	0.11	0.11	105	11	---	0.09	0.09	105	12	---	0.09	0.09
	105	23	---	<0.01	<0.01	106	8	---	0.09	0.09	106	9	1.0	0.11	1.1
	106	10	---	0.11	0.11	106	11	---	0.09	0.09	107	9	---	0.11	0.11
	107	10	---	0.11	0.11	107	11	---	0.09	0.09	108	9	---	0.09	0.09
	108	10	---	0.09	0.09	109	16	---	<0.01	<0.01	109	17	---	<0.01	<0.01
	109	18	---	<0.01	<0.01	109	19	---	<0.01	<0.01	109	20	---	<0.01	<0.01
	110	11	0.40	---	0.40	110	15	---	<0.01	<0.01	110	16	---	<0.01	<0.01
	110	17	---	<0.01	<0.01	110	18	---	<0.01	<0.01	110	19	---	<0.01	<0.01
	110	20	---	<0.01	<0.01	111	12	0.20	---	0.20	111	14	---	<0.01	<0.01
	111	15	---	<0.01	<0.01	111	16	---	<0.01	<0.01	111	17	---	<0.01	<0.01
	111	18	---	0.01	0.01	111	19	0.50	<0.01	0.50	111	20	---	<0.01	<0.01
	111	21	0.80	---	0.80	112	14	---	0.01	0.01	112	15	1.0	<0.01	1.0
	112	16	---	<0.01	<0.01	112	17	---	<0.01	<0.01	112	18	---	0.01	0.01
	112	19	---	<0.01	<0.01	112	20	---	<0.01	<0.01	113	11	---	0.02	0.02
	113	12	---	0.02	0.02	113	13	0.20	0.01	0.21	113	14	---	0.01	0.01
	113	15	---	<0.01	<0.01	113	16	0.50	---	0.50	113	18	---	<0.01	<0.01
	114	11	---	0.02	0.02	114	12	---	0.02	0.02	114	13	---	0.04	0.04
	114	14	---	0.04	0.04	114	15	---	0.03	0.03	114	16	---	0.03	0.03
	114	17	---	0.03	0.03	114	18	---	0.03	0.03	114	19	---	<0.01	<0.01
	115	12	---	0.03	0.03	115	13	---	0.04	0.04	115	14	---	0.04	0.04
	115	15	0.10	0.04	0.14	115	16	---	0.04	0.04	115	17	---	0.04	0.04
	115	18	---	0.03	0.03	116	12	---	0.02	0.02	116	13	---	0.04	0.04
	116	14	---	0.04	0.04	116	15	0.60	0.04	0.64	116	16	---	0.04	0.04
	116	17	---	0.04	0.04	116	18	---	0.02	0.02	117	13	---	0.04	0.04
	117	14	---	0.04	0.04	117	15	---	0.04	0.04	117	16	---	0.04	0.04
	117	17	---	0.04	0.04	117	18	---	0.02	0.02	118	13	---	0.04	0.04
	118	14	---	0.04	0.04	118	15	0.10	0.04	0.14	118	16	---	0.04	0.04
	118	17	---	0.04	0.04	118	18	---	0.01	0.01	119	13	---	0.01	0.01
	119	14	---	0.02	0.02	119	15	---	0.02	0.02	119	16	---	0.03	0.03
	119	17	---	0.03	0.03	120	15	---	0.09	0.09	120	17	---	0.10	0.10

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
3	121	15	---	0.09	0.09	121	16	---	0.09	0.09	121	17	---	0.09	0.09
	122	16	---	0.09	0.09	122	17	---	0.09	0.09	123	15	---	0.09	0.09
	123	16	0.40	0.09	0.49	123	17	---	0.01	0.01	123	18	---	0.01	0.01
	124	17	---	0.01	0.01	124	18	---	0.01	0.01	125	15	---	0.02	0.02
	125	16	---	0.02	0.02	125	17	---	0.04	0.04	125	18	---	0.04	0.04
	126	15	---	0.02	0.02	126	16	---	0.02	0.02	126	17	0.20	0.04	0.24
	126	18	---	0.04	0.04	126	19	---	0.04	0.04	127	17	---	0.04	0.04
	127	18	---	0.04	0.04	127	19	---	0.04	0.04	128	17	---	0.76	0.76
	128	18	---	0.04	0.04	128	19	0.30	0.04	0.34	128	23	7.7	---	7.7
	129	18	---	1.0	1.0	129	19	---	2.4	2.4	129	23	8.7	---	8.7
	130	18	---	0.08	0.08	130	19	---	0.10	0.10	131	18	---	0.08	0.08
	131	19	---	0.08	0.08	132	19	---	0.08	0.08	132	23	0.70	---	0.70
	133	19	---	0.08	0.08	133	20	---	0.08	0.08	134	19	1.4	0.08	1.5
	134	20	---	0.08	0.08	135	19	---	0.08	0.08	135	20	0.90	0.20	1.1
	135	21	---	0.06	0.06	135	22	---	0.06	0.06	136	20	---	0.20	0.20
	136	21	---	0.06	0.06	136	22	---	0.06	0.06	137	20	---	0.11	0.11
	137	21	---	0.11	0.11	138	20	---	0.11	0.11	138	21	---	<0.01	<0.01
	138	22	---	<0.01	<0.01	138	23	---	<0.01	<0.01	139	19	---	<0.01	<0.01
	139	20	0.70	0.01	0.71	139	21	---	0.11	0.11	139	22	---	0.21	0.21
	139	23	---	0.01	0.01	139	24	---	0.01	0.01	139	25	---	<0.01	<0.01
	140	19	---	0.01	0.01	140	20	---	0.01	0.01	140	21	---	0.01	0.01
	140	22	---	0.01	0.01	140	23	---	0.01	0.01	140	24	---	0.01	0.01
	140	25	---	0.01	0.01	141	19	---	<0.01	<0.01	141	20	---	0.01	0.01
	141	21	1.0	0.01	1.0	141	22	0.20	0.01	0.21	141	23	---	0.01	0.01
	141	24	---	0.01	0.01	141	25	---	0.01	0.01	142	20	---	0.01	0.01
	142	21	---	0.01	0.01	142	22	0.20	0.01	0.21	142	23	---	0.01	0.01
	142	24	---	0.01	0.01	142	25	---	0.01	0.01	143	21	---	0.01	0.01
	143	22	---	0.01	0.01	143	23	0.10	0.01	0.11	143	24	---	0.01	0.01
	143	25	---	0.01	0.01	144	21	---	0.01	0.01	144	22	---	0.01	0.01
	144	23	0.20	0.01	0.21	144	24	---	0.01	0.01	144	25	---	0.01	0.01
	145	21	---	0.01	0.01	145	22	---	0.02	0.02	145	23	---	0.01	0.01
	146	21	---	0.01	0.01	146	22	---	0.01	0.01	146	23	---	0.01	0.01
	147	22	1.3	0.02	1.3	147	23	---	0.01	0.01	147	24	---	0.01	0.01
	148	23	---	0.01	0.01	148	24	---	0.01	0.01	149	23	---	0.22	0.22
	149	24	---	0.08	0.08	150	23	---	0.08	0.08	150	24	---	0.08	0.08

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
3	151	23	---	0.08	0.08	151	24	---	0.08	0.08	152	23	---	0.21	0.21
	152	24	---	0.08	0.08	153	23	---	0.21	0.21	153	24	---	0.08	0.08
	154	23	---	0.08	0.08	154	24	---	0.08	0.08	156	23	0.20	---	0.20
	157	22	---	0.50	0.50	157	23	---	0.10	0.10	158	22	---	0.25	0.25
	158	23	---	0.10	0.10	159	22	---	0.50	0.50	159	23	---	0.15	0.15
	160	22	---	0.50	0.50	161	17	---	<0.01	<0.01	161	20	0.20	0.10	0.30
	161	21	---	0.10	0.10	161	22	---	0.10	0.10	162	17	---	<0.01	<0.01
	162	18	---	<0.01	<0.01	162	20	---	0.10	0.10	163	17	---	<0.01	<0.01
	163	18	0.10	<0.01	0.10	163	19	---	<0.01	<0.01	164	17	---	<0.01	<0.01
	164	18	0.10	<0.01	0.10	164	19	---	<0.01	<0.01	164	20	---	<0.01	<0.01
	165	15	---	<0.01	<0.01	165	16	---	<0.01	<0.01	165	17	---	<0.01	<0.01
	165	18	0.10	<0.01	0.10	165	19	---	<0.01	<0.01	165	20	---	<0.01	<0.01
	166	15	---	<0.01	<0.01	166	16	---	<0.01	<0.01	166	17	---	<0.01	<0.01
	166	18	0.10	<0.01	0.10	166	19	---	<0.01	<0.01	167	15	---	<0.01	<0.01
	167	16	---	<0.01	<0.01	167	17	---	<0.01	<0.01	167	18	---	<0.01	<0.01
	168	15	---	<0.01	<0.01	168	16	---	<0.01	<0.01	168	17	---	<0.01	<0.01
	169	15	---	<0.01	<0.01	169	16	---	<0.01	<0.01	177	11	---	0.01	0.01
	178	11	---	0.03	0.03	178	12	---	0.01	0.01	179	13	---	0.01	0.01
	180	13	---	0.03	0.03	180	14	---	0.01	0.01	181	15	---	0.01	0.01
	182	15	---	0.03	0.03	182	16	---	0.01	0.01	183	15	---	0.03	0.03
	183	16	---	0.03	0.03	183	17	---	0.02	0.02	184	15	---	0.03	0.03
	184	16	---	0.03	0.03	184	17	---	0.03	0.03	184	18	---	0.01	0.01
4	5	16	0.08	---	0.08	6	12	0.02	---	0.02	6	15	7.4	---	7.4
	6	16	1.3	---	1.3	6	17	0.06	---	0.06	7	10	0.08	---	0.08
	7	17	0.04	---	0.04	8	10	0.24	---	0.24	10	15	1.1	---	1.1
	10	17	0.47	---	0.47	11	19	1.3	---	1.3	12	16	4.9	---	4.9
	12	17	2.3	---	2.3	12	21	0.35	---	0.35	13	22	0.25	---	0.25
	13	24	0.13	---	0.13	14	19	0.20	---	0.20	14	23	0.10	---	0.10
	14	24	2.3	---	2.3	15	25	0.05	---	0.05	16	20	0.09	---	0.09
	16	24	1.2	---	1.2	17	24	0.13	---	0.13	17	27	6.4	---	6.4
	18	15	0.25	---	0.25	18	25	0.07	---	0.07	18	26	0.72	---	0.72
	19	19	4.5	---	4.5	19	23	0.07	---	0.07	20	27	0.01	---	0.01
	22	9	---	0.30	0.30	22	21	1.5	---	1.5	23	9	---	0.46	0.46

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	23	21	0.09	---	0.09	24	9	---	0.46	0.46	24	10	---	0.46	0.46
	25	9	---	0.48	0.48	25	10	---	0.44	0.44	25	28	0.65	---	0.65
	25	32	---	0.02	0.02	25	33	---	0.03	0.03	26	9	---	0.71	0.71
	26	10	---	0.69	0.69	26	31	---	0.01	0.01	26	32	---	0.03	0.03
	26	33	---	0.03	0.03	27	10	---	0.69	0.69	27	27	0.12	---	0.12
	27	31	---	0.03	0.03	27	32	---	0.03	0.03	27	33	0.14	0.03	0.17
	28	10	---	0.69	0.69	28	24	0.03	---	0.03	28	29	0.20	---	0.20
	28	30	---	0.03	0.03	28	31	---	0.04	0.04	28	32	---	0.03	0.03
	28	33	0.03	0.03	0.06	29	10	---	0.69	0.69	29	11	---	0.69	0.69
	29	23	2.3	---	2.3	29	29	---	0.02	0.02	29	30	---	0.04	0.04
	29	31	---	0.04	0.04	29	32	---	0.04	0.04	29	33	---	0.04	0.04
	29	34	---	0.01	0.01	30	10	---	0.69	0.69	30	11	---	1.4	1.4
	30	23	1.8	---	1.8	30	28	1.5	0.01	1.5	30	29	---	0.04	0.04
	30	30	---	0.04	0.04	30	31	0.01	0.04	0.05	30	32	1.5	0.04	1.5
	30	33	0.01	0.04	0.05	30	34	---	0.04	0.04	31	11	---	0.22	0.22
	31	12	0.40	---	0.40	31	27	0.10	<0.01	0.10	31	28	---	0.01	0.01
	31	29	---	0.03	0.03	31	30	---	0.04	0.04	31	31	---	0.04	0.04
	31	32	---	0.04	0.04	31	33	---	0.04	0.04	31	34	---	0.04	0.04
	32	11	0.30	---	0.30	32	12	5.9	0.22	6.1	32	26	3.0	<0.01	3.0
	32	27	---	<0.01	<0.01	32	28	---	<0.01	<0.01	32	29	---	<0.01	<0.01
	32	30	---	0.03	0.03	32	31	---	0.04	0.04	32	32	---	0.04	0.04
	32	33	---	0.04	0.04	32	34	---	0.04	0.04	33	25	0.05	---	0.05
	33	26	---	<0.01	<0.01	33	27	---	<0.01	<0.01	33	28	---	<0.01	<0.01
	33	29	---	<0.01	<0.01	33	30	---	<0.01	<0.01	33	31	---	0.01	0.01
	33	32	---	0.02	0.02	33	33	---	0.04	0.04	33	34	---	0.03	0.03
	33	35	0.06	0.04	0.09	33	36	---	0.04	0.04	33	37	---	0.04	0.04
	34	15	0.30	---	0.30	34	25	---	<0.01	<0.01	34	26	---	<0.01	<0.01
	34	27	---	<0.01	<0.01	34	28	---	<0.01	<0.01	34	29	---	<0.01	<0.01
	34	33	0.07	0.03	0.10	34	34	---	0.03	0.03	34	35	0.09	0.04	0.12
	34	36	2.7	0.04	2.8	34	37	---	0.04	0.04	35	24	---	<0.01	<0.01
	35	25	---	<0.01	<0.01	35	26	---	<0.01	<0.01	35	27	---	<0.01	<0.01
	35	28	---	<0.01	<0.01	35	29	---	<0.01	<0.01	35	32	---	<0.01	<0.01
	35	33	---	0.01	0.01	35	34	---	0.03	0.03	35	35	0.05	0.04	0.09
	35	36	0.04	0.04	0.08	35	38	---	0.03	0.03	36	17	0.20	---	0.20
	36	25	---	<0.01	<0.01	36	26	---	<0.01	<0.01	36	27	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
4	36	28	---	<0.01	<0.01	36	31	---	<0.01	<0.01	36	32	---	0.01	0.01
	36	33	0.04	0.01	0.05	36	34	---	0.01	0.01	36	35	0.06	0.02	0.09
	36	36	---	0.04	0.04	36	37	---	0.03	0.03	36	38	---	0.01	0.01
	37	25	---	<0.01	<0.01	37	29	0.08	---	0.08	37	30	---	<0.01	<0.01
	37	31	---	0.01	0.01	37	32	---	0.01	0.01	37	33	---	0.01	0.01
	37	34	---	0.01	0.01	37	35	0.04	0.01	0.04	37	36	---	0.01	0.01
	37	37	0.40	0.01	0.41	37	38	1.2	0.01	1.2	37	39	---	0.01	0.01
	37	40	---	<0.01	<0.01	37	77	---	0.04	0.04	37	78	---	0.05	0.05
	37	79	---	0.09	0.09	38	14	0.40	---	0.40	38	18	1.3	---	1.3
	38	30	---	0.01	0.01	38	31	---	0.01	0.01	38	32	---	0.01	0.01
	38	33	0.32	0.01	0.32	38	34	---	0.01	0.01	38	35	0.03	0.01	0.04
	38	36	0.02	0.01	0.03	38	37	---	0.01	0.01	38	38	---	0.01	0.01
	38	39	---	0.01	0.01	38	40	---	0.01	0.01	38	41	---	<0.01	<0.01
	38	42	---	<0.01	<0.01	38	75	---	0.04	0.04	38	76	---	0.04	0.04
	39	29	---	<0.01	<0.01	39	30	---	0.01	0.01	39	31	---	0.01	0.01
	39	32	---	0.01	0.01	39	33	---	0.01	0.01	39	34	---	0.01	0.01
	39	35	0.03	0.01	0.04	39	36	---	0.01	0.01	39	37	---	0.01	0.01
	39	38	---	0.01	0.01	39	39	0.03	0.01	0.04	39	40	---	0.01	0.01
	39	41	---	<0.01	<0.01	39	74	---	0.04	0.04	39	75	---	0.04	0.04
	40	29	---	<0.01	<0.01	40	30	---	0.01	0.01	40	31	---	0.01	0.01
	40	32	---	0.01	0.01	40	33	---	0.01	0.01	40	34	---	0.01	0.01
	40	35	---	<0.01	<0.01	40	36	---	0.01	0.01	40	37	0.06	0.01	0.07
	40	38	---	0.01	0.01	40	39	---	0.01	0.01	40	40	---	0.01	0.01
	40	73	---	0.05	0.05	40	74	---	0.04	0.04	41	28	0.04	---	0.04
	41	29	---	<0.01	<0.01	41	30	---	0.01	0.01	41	31	---	0.01	0.01
	41	32	---	0.01	0.01	41	33	---	0.01	0.01	41	34	---	0.01	0.01
	41	35	---	0.01	0.01	41	36	---	0.01	0.01	41	37	0.02	0.01	0.03
	41	38	0.60	<0.01	0.60	41	39	---	0.02	0.02	41	40	1.7	0.02	1.7
	41	41	0.32	0.02	0.34	41	42	---	0.02	0.02	41	43	---	0.02	0.02
	41	44	---	0.02	0.02	41	72	---	0.05	0.05	41	73	---	0.04	0.04
	42	28	0.03	---	0.03	42	29	<0.01	---	<0.01	42	30	---	0.01	0.01
	42	31	0.01	0.01	0.02	42	32	0.45	0.01	0.46	42	33	---	0.01	0.01
	42	34	---	0.01	0.01	42	35	---	<0.01	<0.01	42	36	---	0.01	0.01
	42	37	---	0.01	0.01	42	38	---	0.01	0.01	42	39	---	0.02	0.02
	42	40	1.8	0.02	1.8	42	41	1.1	0.02	1.1	42	42	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	42	43	---	0.02	0.02	42	44	---	0.02	0.02	42	45	---	0.02	0.02
	43	29	0.03	---	0.03	43	30	0.23	---	0.23	43	31	---	0.01	0.01
	43	32	---	0.01	0.01	43	33	---	0.01	0.01	43	34	<0.01	0.01	0.01
	43	35	---	0.01	0.01	43	36	---	0.01	0.01	43	37	---	0.01	0.01
	43	38	0.05	0.01	0.05	43	39	0.04	0.02	0.06	43	40	---	0.02	0.02
	43	41	---	0.02	0.02	43	42	---	0.02	0.02	43	43	---	0.02	0.02
	43	44	0.65	0.02	0.67	43	45	0.03	0.02	0.05	43	46	---	0.02	0.02
	43	47	---	0.02	0.02	43	48	---	0.01	0.01	43	49	---	0.01	0.01
	43	50	---	0.01	0.01	43	51	---	<0.01	<0.01	43	54	---	0.02	0.02
	43	67	---	<0.01	<0.01	43	68	---	0.03	0.03	44	30	0.20	---	0.20
	44	31	---	<0.01	<0.01	44	32	---	0.01	0.01	44	33	---	0.01	0.01
	44	34	---	0.01	0.01	44	35	---	0.01	0.01	44	36	---	0.01	0.01
	44	37	---	0.01	0.01	44	38	---	0.01	0.01	44	39	---	0.02	0.02
	44	40	0.08	0.02	0.10	44	41	---	0.02	0.02	44	42	---	0.02	0.02
	44	43	---	0.02	0.02	44	44	---	0.02	0.02	44	45	---	0.02	0.02
	44	46	---	0.02	0.02	44	47	---	0.02	0.02	44	48	---	0.01	0.01
	44	49	---	0.01	0.01	44	50	0.04	0.01	0.04	44	51	---	0.01	0.01
	44	52	---	0.01	0.01	44	53	---	0.02	0.02	44	54	---	0.07	0.07
	44	56	0.01	---	0.01	44	58	0.11	---	0.11	44	60	---	0.01	0.01
	44	61	---	<0.01	<0.01	44	65	---	0.05	0.05	44	66	---	<0.01	<0.01
	44	67	---	<0.01	<0.01	44	68	---	<0.01	<0.01	44	69	---	<0.01	<0.01
	45	29	0.02	---	0.02	45	30	<0.01	---	<0.01	45	31	0.02	---	0.02
	45	33	0.15	0.01	0.17	45	34	0.05	0.01	0.06	45	35	0.08	0.01	0.09
	45	36	---	0.01	0.01	45	37	---	0.02	0.02	45	38	0.03	0.01	0.03
	45	39	---	0.02	0.02	45	40	---	0.02	0.02	45	41	---	0.02	0.02
	45	42	---	0.02	0.02	45	43	0.06	0.02	0.08	45	44	---	0.02	0.02
	45	45	---	0.02	0.02	45	46	---	0.02	0.02	45	47	---	0.01	0.01
	45	48	---	0.01	0.01	45	49	---	0.01	0.01	45	50	---	0.01	0.01
	45	51	---	0.01	0.01	45	52	---	0.01	0.01	45	53	---	0.01	0.01
	45	54	---	0.05	0.05	45	55	---	0.07	0.07	45	56	---	0.07	0.07
	45	57	---	0.07	0.07	45	58	---	0.07	0.07	45	59	---	0.04	0.04
	45	60	---	0.02	0.02	45	61	---	0.02	0.02	45	62	---	0.04	0.04
	45	63	---	0.05	0.05	45	64	---	0.05	0.05	45	65	---	0.03	0.03
	45	66	---	<0.01	<0.01	45	67	---	<0.01	<0.01	45	68	---	<0.01	<0.01
	45	69	---	<0.01	<0.01	45	70	---	<0.01	<0.01	45	74	---	0.05	0.05

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	46	30	0.01	---	0.01	46	31	0.02	---	0.02	46	32	0.01	---	0.01
	46	33	---	<0.01	<0.01	46	34	0.02	<0.01	0.02	46	35	---	0.01	0.01
	46	36	0.02	0.02	0.04	46	37	0.03	0.06	0.09	46	38	---	0.06	0.06
	46	39	---	0.07	0.07	46	40	---	0.06	0.06	46	41	---	0.03	0.03
	46	42	---	0.02	0.02	46	43	---	0.02	0.02	46	44	---	0.02	0.02
	46	45	---	0.02	0.02	46	46	---	0.01	0.01	46	47	0.03	0.01	0.04
	46	48	0.05	0.01	0.06	46	49	---	0.01	0.01	46	50	1.7	0.01	1.7
	46	51	---	0.01	0.01	46	52	---	0.01	0.01	46	53	---	<0.01	<0.01
	46	54	---	<0.01	<0.01	46	55	---	0.03	0.03	46	56	---	0.06	0.06
	46	57	---	0.07	0.07	46	58	---	0.06	0.06	46	59	0.19	0.02	0.21
	46	60	---	0.02	0.02	46	61	---	0.02	0.02	46	62	---	0.02	0.02
	46	63	0.02	0.04	0.06	46	64	---	0.04	0.04	46	65	0.06	<0.01	0.06
	46	66	0.76	<0.01	0.76	46	67	---	<0.01	<0.01	46	68	---	<0.01	<0.01
	46	69	---	<0.01	<0.01	46	70	---	<0.01	<0.01	47	31	0.02	---	0.02
	47	32	---	<0.01	<0.01	47	33	---	0.01	0.01	47	34	0.13	0.01	0.15
	47	35	---	0.01	0.01	47	36	---	0.07	0.07	47	37	---	0.07	0.07
	47	38	---	0.07	0.07	47	39	---	0.07	0.07	47	40	1.6	0.07	1.7
	47	41	2.2	0.07	2.3	47	42	---	0.02	0.02	47	43	---	0.02	0.02
	47	44	0.01	0.02	0.03	47	45	0.10	0.02	0.11	47	46	---	<0.01	<0.01
	47	47	---	<0.01	<0.01	47	48	---	0.01	0.01	47	49	0.04	0.01	0.05
	47	50	---	0.01	0.01	47	51	---	0.01	0.01	47	52	---	<0.01	<0.01
	47	53	---	<0.01	<0.01	47	54	---	<0.01	<0.01	47	55	---	<0.01	<0.01
	47	56	---	0.02	0.02	47	57	---	0.05	0.05	47	58	---	0.03	0.03
	47	59	---	0.02	0.02	47	60	0.12	0.02	0.14	47	61	---	0.02	0.02
	47	62	0.07	0.02	0.09	47	63	---	0.02	0.02	47	64	---	<0.01	<0.01
	47	65	---	<0.01	<0.01	47	66	---	<0.01	<0.01	47	67	---	<0.01	<0.01
	47	68	---	<0.01	<0.01	47	69	---	<0.01	<0.01	47	70	---	<0.01	<0.01
	48	31	0.07	---	0.07	48	33	---	0.01	0.01	48	34	---	0.01	0.01
	48	35	0.23	0.01	0.24	48	36	---	0.01	0.01	48	37	---	0.06	0.06
	48	38	0.04	0.07	0.12	48	39	---	0.07	0.07	48	40	---	0.07	0.07
	48	41	---	0.07	0.07	48	42	0.04	0.03	0.07	48	43	---	0.01	0.01
	48	44	---	0.01	0.01	48	45	0.04	<0.01	0.04	48	46	---	<0.01	<0.01
	48	47	0.04	<0.01	0.05	48	48	0.40	0.01	0.41	48	49	0.15	0.01	0.16
	48	50	---	0.01	0.01	48	51	---	<0.01	<0.01	48	52	---	<0.01	<0.01
	48	53	---	<0.01	<0.01	48	54	0.48	<0.01	0.48	48	55	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
4	48	56	---	<0.01	<0.01	48	57	0.77	<0.01	0.77	48	58	---	0.01	0.01
	48	59	<0.01	0.02	0.02	48	60	---	0.02	0.02	48	61	0.04	0.02	0.06
	48	62	---	0.02	0.02	48	63	---	<0.01	<0.01	48	66	---	<0.01	<0.01
	48	67	---	<0.01	<0.01	48	68	---	<0.01	<0.01	48	69	---	<0.01	<0.01
	49	32	0.47	---	0.47	49	33	0.20	---	0.20	49	34	---	<0.01	<0.01
	49	35	---	0.01	0.01	49	36	0.37	0.01	0.39	49	37	0.02	0.01	0.03
	49	38	---	0.06	0.06	49	39	---	0.07	0.07	49	40	0.40	0.07	0.47
	49	41	---	0.07	0.07	49	42	0.04	0.04	0.07	49	43	---	<0.01	<0.01
	49	44	---	<0.01	<0.01	49	45	---	<0.01	<0.01	49	46	0.28	<0.01	0.29
	49	47	---	<0.01	<0.01	49	48	---	<0.01	<0.01	49	49	---	0.01	0.01
	49	50	---	0.01	0.01	49	51	---	<0.01	<0.01	49	52	---	<0.01	<0.01
	49	53	---	<0.01	<0.01	49	54	0.02	<0.01	0.02	49	55	---	<0.01	<0.01
	49	56	0.06	<0.01	0.06	49	57	0.12	---	0.12	49	59	---	0.01	0.01
	49	60	---	0.02	0.02	49	61	---	0.02	0.02	49	62	---	0.01	0.01
	49	67	---	<0.01	<0.01	49	68	---	<0.01	<0.01	49	69	---	<0.01	<0.01
	50	35	0.09	<0.01	0.09	50	36	---	0.01	0.01	50	37	---	0.01	0.01
	50	38	0.03	0.01	0.04	50	39	---	0.04	0.04	50	40	---	0.07	0.07
	50	41	0.02	0.07	0.10	50	42	---	0.02	0.02	50	43	---	<0.01	<0.01
	50	44	0.16	<0.01	0.17	50	45	---	<0.01	<0.01	50	46	0.45	<0.01	0.45
	50	47	---	<0.01	<0.01	50	48	0.04	<0.01	0.05	50	49	0.22	0.01	0.22
	50	50	---	<0.01	<0.01	50	52	---	<0.01	<0.01	50	53	---	<0.01	<0.01
	50	54	---	<0.01	<0.01	50	55	---	<0.01	<0.01	50	56	0.02	---	0.02
	50	57	0.21	---	0.21	50	58	0.12	---	0.12	50	59	0.18	---	0.18
	50	60	---	<0.01	<0.01	50	61	---	0.01	0.01	50	68	---	<0.01	<0.01
	51	36	---	0.01	0.01	51	37	---	0.01	0.01	51	38	---	0.01	0.01
	51	39	1.0	0.01	1.0	51	40	---	0.03	0.03	51	41	---	0.07	0.07
	51	42	---	0.04	0.04	51	43	---	<0.01	<0.01	51	44	---	<0.01	<0.01
	51	45	0.05	<0.01	0.05	51	46	---	<0.01	<0.01	51	47	0.04	<0.01	0.04
	51	48	---	<0.01	<0.01	51	49	0.47	<0.01	0.48	51	54	---	<0.01	<0.01
	51	55	0.03	---	0.03	51	56	0.03	---	0.03	51	58	2.6	---	2.6
	52	35	0.17	---	0.17	52	36	---	0.01	0.01	52	37	---	0.01	0.01
	52	38	1.8	0.01	1.8	52	39	---	0.01	0.01	52	40	0.16	0.01	0.17
	52	44	---	<0.01	<0.01	52	45	---	<0.01	<0.01	52	46	0.05	<0.01	0.06
	52	47	---	<0.01	<0.01	52	48	0.02	<0.01	0.02	52	49	---	<0.01	<0.01
	52	56	0.03	---	0.03	52	59	0.08	---	0.08	53	36	0.02	---	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	53	37	---	0.01	0.01	53	38	---	0.01	0.01	53	39	---	0.01	0.01
	53	40	---	0.01	0.01	53	44	---	<0.01	<0.01	53	45	0.01	<0.01	0.01
	53	46	---	<0.01	<0.01	53	47	0.07	<0.01	0.07	53	48	---	<0.01	<0.01
	53	49	---	<0.01	<0.01	53	50	---	<0.01	<0.01	54	38	---	<0.01	<0.01
	54	39	---	0.01	0.01	54	45	---	<0.01	<0.01	54	46	---	<0.01	<0.01
	54	47	---	<0.01	<0.01	54	48	---	<0.01	<0.01	54	49	---	<0.01	<0.01
	54	50	---	<0.01	<0.01	55	45	---	<0.01	<0.01	55	46	---	<0.01	<0.01
	55	47	---	<0.01	<0.01	55	48	---	<0.01	<0.01	55	49	---	<0.01	<0.01
	56	39	0.99	---	0.99	56	40	0.29	---	0.29	56	44	---	<0.01	<0.01
	56	45	---	<0.01	<0.01	56	46	---	<0.01	<0.01	56	47	---	<0.01	<0.01
	56	48	---	<0.01	<0.01	56	49	---	<0.01	<0.01	57	13	---	<0.01	<0.01
	57	41	0.03	---	0.03	57	44	---	<0.01	<0.01	57	45	---	<0.01	<0.01
	57	46	---	<0.01	<0.01	57	47	---	<0.01	<0.01	57	48	---	<0.01	<0.01
	57	49	---	<0.01	<0.01	58	13	---	0.01	0.01	58	44	---	<0.01	<0.01
	58	45	---	<0.01	<0.01	58	46	---	<0.01	<0.01	58	47	---	<0.01	<0.01
	58	48	---	<0.01	<0.01	58	49	---	<0.01	<0.01	59	13	---	0.01	0.01
	59	45	---	<0.01	<0.01	59	46	---	<0.01	<0.01	59	47	---	<0.01	<0.01
	59	48	---	<0.01	<0.01	60	13	---	0.01	0.01	61	13	---	0.01	0.01
	62	13	---	0.01	0.01	62	14	---	<0.01	<0.01	63	13	---	0.01	0.01
	63	14	---	0.01	0.01	63	15	---	<0.01	<0.01	64	13	---	<0.01	<0.01
	64	14	---	0.01	0.01	64	15	---	<0.01	<0.01	64	16	---	<0.01	<0.01
	65	15	---	<0.01	<0.01	66	15	---	<0.01	<0.01	66	20	---	<0.01	<0.01
	67	15	---	0.01	0.01	67	16	---	<0.01	<0.01	67	19	---	<0.01	<0.01
	67	20	---	<0.01	<0.01	67	21	---	<0.01	<0.01	68	16	---	0.01	0.01
	68	17	---	<0.01	<0.01	68	18	---	<0.01	<0.01	68	19	---	<0.01	<0.01
	68	20	---	<0.01	<0.01	68	21	---	<0.01	<0.01	69	17	---	0.01	0.01
	69	18	---	<0.01	<0.01	69	19	---	<0.01	<0.01	69	20	---	<0.01	<0.01
	69	21	---	<0.01	<0.01	69	22	---	<0.01	<0.01	70	17	---	0.01	0.01
	70	18	---	<0.01	<0.01	70	19	---	<0.01	<0.01	70	20	---	<0.01	<0.01
	70	21	---	<0.01	<0.01	70	22	---	<0.01	<0.01	70	23	---	<0.01	<0.01
	70	24	---	<0.01	<0.01	70	25	---	<0.01	<0.01	71	17	---	0.01	0.01
	71	18	---	<0.01	<0.01	71	19	---	<0.01	<0.01	71	20	---	<0.01	<0.01
	71	21	---	<0.01	<0.01	71	22	---	<0.01	<0.01	71	23	---	<0.01	<0.01
	71	24	---	<0.01	<0.01	72	17	---	0.01	0.01	72	18	---	0.01	0.01
	72	19	---	<0.01	<0.01	72	20	---	<0.01	<0.01	72	21	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	72	22	---	<0.01	<0.01	72	23	---	<0.01	<0.01	73	17	---	0.01	0.01
	73	18	---	0.01	0.01	73	19	---	0.01	0.01	73	20	---	<0.01	<0.01
	73	21	---	<0.01	<0.01	73	22	---	<0.01	<0.01	74	17	---	0.01	0.01
	74	18	---	0.01	0.01	74	19	---	0.01	0.01	74	20	---	<0.01	<0.01
	74	21	---	<0.01	<0.01	74	22	---	<0.01	<0.01	74	23	---	<0.01	<0.01
	75	15	---	0.01	0.01	75	16	---	0.01	0.01	75	17	---	0.01	0.01
	75	18	---	0.01	0.01	75	19	---	0.01	0.01	75	20	---	<0.01	<0.01
	75	21	---	<0.01	<0.01	75	22	---	<0.01	<0.01	75	23	---	<0.01	<0.01
	75	24	---	<0.01	<0.01	76	15	---	<0.01	<0.01	76	16	---	0.01	0.01
	76	17	---	0.01	0.01	76	18	---	0.01	0.01	76	19	---	<0.01	<0.01
	76	20	---	<0.01	<0.01	76	21	---	<0.01	<0.01	76	22	---	<0.01	<0.01
	76	23	---	<0.01	<0.01	76	24	---	<0.01	<0.01	76	25	---	<0.01	<0.01
	77	15	---	<0.01	<0.01	77	16	---	<0.01	<0.01	77	17	---	0.26	0.26
	77	18	---	<0.01	<0.01	77	19	---	<0.01	<0.01	77	20	---	<0.01	<0.01
	77	21	---	<0.01	<0.01	77	22	---	<0.01	<0.01	77	23	---	<0.01	<0.01
	77	24	---	<0.01	<0.01	77	25	---	<0.01	<0.01	78	15	---	<0.01	<0.01
	78	16	---	0.30	0.30	78	17	---	0.80	0.80	78	19	---	<0.01	<0.01
	78	20	---	<0.01	<0.01	78	21	---	<0.01	<0.01	78	22	---	<0.01	<0.01
	78	23	---	<0.01	<0.01	78	24	---	<0.01	<0.01	78	25	---	<0.01	<0.01
	79	15	---	0.01	0.01	79	16	---	0.76	0.76	79	19	---	<0.01	<0.01
	79	20	---	<0.01	<0.01	79	21	---	<0.01	<0.01	79	22	---	<0.01	<0.01
	79	23	---	<0.01	<0.01	79	24	---	<0.01	<0.01	80	15	---	0.17	0.17
	80	16	---	0.20	0.20	80	17	---	0.01	0.01	80	20	---	<0.01	<0.01
	80	21	---	<0.01	<0.01	80	22	---	<0.01	<0.01	80	23	---	<0.01	<0.01
	81	15	---	0.17	0.17	81	16	---	0.02	0.02	81	17	---	0.02	0.02
	81	18	---	0.01	0.01	81	21	---	<0.01	<0.01	81	22	---	<0.01	<0.01
	82	15	---	0.17	0.17	82	16	---	0.02	0.02	82	17	---	0.02	0.02
	82	18	---	0.02	0.02	83	15	---	0.02	0.02	83	16	---	0.02	0.02
	83	17	---	0.02	0.02	83	18	---	0.01	0.01	84	15	---	0.04	0.04
	84	16	---	0.02	0.02	84	17	---	0.02	0.02	84	18	---	0.02	0.02
	84	19	---	0.01	0.01	84	28	0.10	---	0.10	85	16	---	<0.01	<0.01
	85	17	---	0.02	0.02	85	18	---	0.02	0.02	85	19	---	<0.01	<0.01
	85	22	---	0.01	0.01	85	26	0.30	---	0.30	86	17	---	<0.01	<0.01
	86	18	---	<0.01	<0.01	86	21	---	0.09	0.09	86	22	---	0.10	0.10
	87	20	---	0.01	0.01	87	38	---	0.05	0.05	88	20	---	0.03	0.03

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
4	89	20	---	0.03	0.03	90	11	0.30	---	0.30	90	18	---	<0.01	<0.01
	90	19	---	0.03	0.03	90	20	---	0.05	0.05	91	11	0.20	---	0.20
	91	18	---	0.02	0.02	91	19	---	0.05	0.05	91	20	---	0.05	0.05
	92	12	0.20	---	0.20	92	18	---	0.04	0.04	92	19	---	0.05	0.05
	92	20	---	0.05	0.05	93	11	0.20	---	0.20	93	13	---	0.02	0.02
	93	14	---	0.03	0.03	93	15	---	0.01	0.01	93	16	---	0.03	0.03
	93	17	---	0.04	0.04	93	18	---	0.05	0.05	93	19	---	0.05	0.05
	93	20	---	0.05	0.05	94	11	0.80	---	0.80	94	12	---	0.01	0.01
	94	13	---	0.05	0.05	94	14	---	0.05	0.05	94	15	0.10	0.05	0.15
	94	16	---	0.05	0.05	94	17	---	0.05	0.05	94	18	---	0.05	0.05
	94	19	---	0.05	0.05	94	20	---	0.05	0.05	95	11	---	0.01	0.01
	95	12	---	0.05	0.05	95	13	---	0.05	0.05	95	14	---	0.05	0.05
	95	15	---	0.05	0.05	95	16	---	0.06	0.06	95	17	---	0.06	0.06
	95	18	---	0.05	0.05	95	19	---	0.05	0.05	95	20	---	0.05	0.05
	96	10	---	<0.01	<0.01	96	11	---	0.04	0.04	96	12	---	0.05	0.05
	96	13	---	0.05	0.05	96	14	1.1	0.05	1.2	96	15	---	0.05	0.05
	96	16	---	0.06	0.06	96	17	---	0.06	0.06	96	18	---	0.06	0.06
	96	19	---	0.05	0.05	96	20	---	0.03	0.03	97	9	0.40	---	0.40
	97	11	---	0.03	0.03	97	12	---	0.05	0.05	97	13	---	0.05	0.05
	97	14	---	0.05	0.05	97	15	---	0.05	0.05	97	16	---	0.06	0.06
	97	17	0.20	0.06	0.26	97	18	0.60	0.06	0.66	97	19	---	0.06	0.06
	97	20	---	0.01	0.01	98	12	---	0.02	0.02	98	13	---	0.05	0.05
	98	14	---	0.05	0.05	98	15	---	0.05	0.05	98	16	---	0.06	0.06
	98	17	---	0.06	0.06	98	18	---	0.06	0.06	98	19	---	0.01	0.01
	99	13	---	0.02	0.02	99	14	---	0.05	0.05	99	15	---	0.08	0.08
	99	16	---	0.08	0.08	99	17	---	0.06	0.06	99	18	1.4	0.02	1.4
	100	13	---	0.02	0.02	100	14	---	0.09	0.09	100	15	---	0.09	0.09
	100	16	---	0.09	0.09	100	17	0.90	0.08	0.98	100	18	---	<0.01	<0.01
	100	26	---	<0.01	<0.01	101	11	---	<0.01	<0.01	101	12	---	0.06	0.06
	101	13	---	0.09	0.09	101	14	---	0.09	0.09	101	15	0.60	0.09	0.69
	101	16	---	0.09	0.09	101	17	0.40	0.09	0.49	101	18	---	0.08	0.08
	101	19	---	0.01	0.01	101	25	---	<0.01	<0.01	101	26	---	0.03	0.03
	101	27	---	0.03	0.03	101	28	---	0.03	0.03	101	29	---	0.01	0.01
	101	30	---	0.01	0.01	102	9	0.10	0.01	0.11	102	10	---	0.03	0.03
	102	11	0.70	0.07	0.77	102	12	---	0.09	0.09	102	13	0.40	0.09	0.49

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	102	14	---	0.09	0.09	102	15	---	0.09	0.09	102	16	---	0.09	0.09
	102	17	---	0.09	0.09	102	18	0.20	0.09	0.29	102	19	---	0.08	0.08
	102	20	---	0.01	0.01	102	25	---	0.02	0.02	102	26	---	0.03	0.03
	102	27	---	0.03	0.03	102	28	---	0.03	0.03	102	29	---	0.03	0.03
	102	30	---	0.03	0.03	102	31	---	0.02	0.02	102	32	---	<0.01	<0.01
	103	9	---	<0.01	<0.01	103	10	---	0.07	0.07	103	11	---	0.09	0.09
	103	12	---	0.09	0.09	103	13	---	0.09	0.09	103	14	---	0.09	0.09
	103	15	4.1	0.09	4.2	103	16	---	0.09	0.09	103	17	---	0.09	0.09
	103	18	---	0.09	0.09	103	19	0.20	0.06	0.26	103	20	---	0.04	0.04
	103	21	---	0.01	0.01	103	24	---	0.02	0.02	103	25	---	0.03	0.03
	103	26	---	0.03	0.03	103	27	---	0.03	0.03	103	28	---	0.03	0.03
	103	29	---	0.03	0.03	103	30	---	0.03	0.03	103	31	---	0.03	0.03
	103	32	---	0.03	0.03	103	33	---	<0.01	<0.01	104	11	---	0.05	0.05
	104	12	---	0.06	0.06	104	13	---	0.06	0.06	104	14	---	0.09	0.09
	104	15	---	0.09	0.09	104	16	---	0.09	0.09	104	17	0.30	0.09	0.39
	104	18	---	0.06	0.06	104	19	---	0.05	0.05	104	20	---	0.05	0.05
	104	21	---	0.05	0.05	104	22	---	0.02	0.02	104	23	---	0.01	0.01
	104	24	0.10	0.03	0.13	104	25	---	0.03	0.03	104	26	---	0.03	0.03
	104	27	---	0.03	0.03	104	28	2.9	0.03	2.9	104	29	---	0.03	0.03
	104	30	---	0.03	0.03	104	31	---	0.03	0.03	104	32	---	0.03	0.03
	104	33	---	0.03	0.03	104	34	---	<0.01	<0.01	105	13	0.10	0.04	0.14
	105	14	0.20	0.08	0.28	105	15	---	0.09	0.09	105	16	---	0.09	0.09
	105	17	---	0.07	0.07	105	18	---	0.05	0.05	105	19	---	0.05	0.05
	105	20	---	0.05	0.05	105	21	---	0.05	0.05	105	22	---	0.05	0.05
	105	23	---	0.04	0.04	105	24	---	0.03	0.03	105	25	---	0.03	0.03
	105	26	---	0.03	0.03	105	27	---	0.03	0.03	105	28	---	0.03	0.03
	105	29	1.1	0.03	1.1	105	30	---	0.01	0.01	105	31	---	<0.01	<0.01
	106	12	---	0.04	0.04	106	13	---	0.07	0.07	106	14	---	0.07	0.07
	106	15	---	0.08	0.08	106	16	---	0.08	0.08	106	17	---	0.05	0.05
	106	18	---	0.05	0.05	106	19	1.9	0.05	1.9	106	20	---	0.05	0.05
	106	21	---	0.05	0.05	106	22	---	0.05	0.05	106	23	---	0.05	0.05
	106	24	---	0.04	0.04	106	25	0.10	0.04	0.14	106	26	---	0.03	0.03
	106	27	---	0.03	0.03	106	28	---	0.02	0.02	106	29	20	<0.01	20
	107	11	---	0.03	0.03	107	12	---	0.07	0.07	107	13	---	0.07	0.07
	107	14	---	0.07	0.07	107	15	---	0.07	0.07	107	16	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	107	17	---	0.02	0.02	107	18	---	0.05	0.05	107	19	---	0.05	0.05
	107	20	---	0.05	0.05	107	21	---	0.05	0.05	107	22	0.60	0.05	0.65
	107	23	---	0.05	0.05	107	24	0.20	0.05	0.25	107	25	---	0.05	0.05
	107	26	---	0.05	0.05	107	27	---	0.02	0.02	107	30	4.3	---	4.3
	108	11	---	0.07	0.07	108	12	---	0.07	0.07	108	13	---	0.07	0.07
	108	14	---	0.07	0.07	108	15	---	0.07	0.07	108	16	---	0.02	0.02
	108	17	0.70	<0.01	0.70	108	18	---	0.01	0.01	108	19	---	0.04	0.04
	108	20	---	0.05	0.05	108	21	---	0.05	0.05	108	22	---	0.05	0.05
	108	23	---	0.05	0.05	108	24	---	0.05	0.05	108	25	---	0.05	0.05
	108	26	---	0.05	0.05	108	27	---	0.02	0.02	109	11	---	0.07	0.07
	109	12	---	0.07	0.07	101	13	---	0.07	0.07	109	14	---	0.07	0.07
	109	15	---	0.04	0.04	109	16	---	<0.01	<0.01	109	17	---	<0.01	<0.01
	109	18	---	0.01	0.01	109	19	---	<0.01	<0.01	109	20	---	0.01	0.01
	109	21	---	0.02	0.02	109	22	---	0.02	0.02	109	23	---	0.04	0.04
	109	24	---	0.04	0.04	109	25	---	0.04	0.04	109	26	---	0.04	0.04
	109	27	---	0.04	0.04	110	11	---	0.07	0.07	110	12	---	0.07	0.07
	110	13	---	0.07	0.07	110	14	---	0.07	0.07	110	15	---	<0.01	<0.01
	110	16	---	<0.01	<0.01	110	17	---	0.01	0.01	110	18	---	0.01	0.01
	110	19	---	<0.01	<0.01	110	20	---	<0.01	<0.01	110	22	---	<0.01	<0.01
	110	23	---	0.03	0.03	110	24	---	0.04	0.04	110	25	---	0.04	0.04
	110	26	---	0.04	0.04	110	27	---	0.04	0.04	111	13	---	0.07	0.07
	111	14	---	0.02	0.02	111	15	---	0.01	0.01	111	16	---	0.01	0.01
	111	17	---	<0.01	<0.01	111	18	---	<0.01	<0.01	111	19	0.80	<0.01	0.80
	111	20	---	<0.01	<0.01	111	22	---	0.02	0.02	111	23	---	0.04	0.04
	111	24	---	0.04	0.04	111	25	---	0.04	0.04	111	26	---	0.04	0.04
	111	27	---	0.04	0.04	112	13	---	0.05	0.05	112	15	---	0.01	0.01
	112	16	---	0.01	0.01	112	17	---	<0.01	<0.01	112	18	---	<0.01	<0.01
	112	19	---	<0.01	<0.01	112	20	0.20	<0.01	0.20	112	21	---	<0.01	<0.01
	112	22	---	0.04	0.04	112	23	0.20	0.04	0.24	112	24	---	0.04	0.04
	112	25	---	0.04	0.04	112	26	---	0.04	0.04	112	27	---	0.04	0.04
	113	17	---	<0.01	<0.01	113	18	---	<0.01	<0.01	113	19	0.20	<0.01	0.20
	113	21	---	0.03	0.03	113	22	---	0.04	0.04	113	23	---	0.04	0.04
	113	24	---	0.04	0.04	113	25	---	0.04	0.04	113	26	---	0.04	0.04
	113	27	---	0.04	0.04	114	19	---	0.02	0.02	114	20	---	0.01	0.01
	114	21	---	0.04	0.04	114	22	---	0.04	0.04	114	23	---	0.04	0.04

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	114	24	---	0.04	0.04	114	25	---	0.04	0.04	114	26	---	0.04	0.04
	114	27	---	0.03	0.03	115	18	---	<0.01	<0.01	115	19	---	0.02	0.02
	115	20	---	0.02	0.02	115	21	---	0.03	0.03	115	22	---	0.03	0.03
	115	23	---	0.04	0.04	115	24	---	0.04	0.04	115	25	---	0.04	0.04
	115	26	---	0.04	0.04	115	27	---	0.03	0.03	116	18	---	0.01	0.01
	116	19	---	0.02	0.02	116	20	---	0.02	0.02	116	21	---	0.02	0.02
	116	22	---	0.02	0.02	116	23	---	0.03	0.03	116	24	---	0.04	0.04
	116	25	---	0.04	0.04	116	26	---	0.04	0.04	116	27	---	0.03	0.03
	117	18	---	0.01	0.01	117	19	---	0.02	0.02	117	20	---	0.02	0.02
	117	21	---	0.02	0.02	117	22	---	0.02	0.02	117	23	---	0.03	0.03
	117	24	---	0.04	0.04	117	25	---	0.04	0.04	117	26	---	0.04	0.04
	117	27	---	0.03	0.03	118	18	0.30	0.02	0.32	118	19	---	0.02	0.02
	118	20	---	0.02	0.02	118	21	---	0.02	0.02	118	22	---	0.02	0.02
	118	23	---	0.02	0.02	118	24	---	0.03	0.03	118	25	---	0.02	0.02
	118	26	---	0.03	0.03	118	27	---	0.03	0.03	119	17	---	<0.01	<0.01
	119	18	---	0.02	0.02	119	19	---	0.02	0.02	119	20	---	0.02	0.02
	119	21	---	0.02	0.02	119	22	---	0.02	0.02	119	23	---	0.02	0.02
	119	24	---	0.01	0.01	119	26	---	<0.01	<0.01	119	27	---	0.01	0.01
	120	17	---	0.01	0.01	120	18	---	0.02	0.02	120	19	---	0.02	0.02
	120	20	---	0.02	0.02	120	21	---	0.02	0.02	120	22	---	0.02	0.02
	120	23	---	0.01	0.01	121	19	---	0.02	0.02	121	20	---	0.02	0.02
	121	21	---	0.02	0.02	121	22	---	0.02	0.02	121	23	---	<0.01	<0.01
	122	19	---	0.02	0.02	122	20	---	0.02	0.02	122	21	---	0.02	0.02
	122	22	---	0.02	0.02	123	19	---	0.05	0.05	123	20	---	0.04	0.04
	123	21	---	0.02	0.02	123	22	---	0.01	0.01	124	19	---	0.05	0.05
	124	20	---	0.05	0.05	124	21	---	0.04	0.04	124	22	---	<0.01	<0.01
	125	19	---	0.04	0.04	125	20	---	0.05	0.05	125	21	---	0.04	0.04
	126	19	0.20	---	0.20	126	20	---	0.05	0.05	126	21	---	0.04	0.04
	127	20	---	0.04	0.04	127	21	---	0.05	0.05	127	22	---	0.02	0.02
	128	20	1.5	0.04	1.5	128	21	---	0.06	0.06	128	22	---	0.05	0.05
	130	21	---	0.10	0.10	131	20	---	0.10	0.10	131	21	---	0.10	0.10
	132	20	---	0.10	0.10	136	22	0.20	---	0.20	139	24	---	0.10	0.10
	142	24	---	0.30	0.30	144	26	---	0.01	0.01	144	27	---	0.01	0.01
	144	28	---	0.01	0.01	145	24	---	0.02	0.02	145	25	---	<0.01	<0.01
	145	26	---	0.04	0.04	145	27	---	0.04	0.04	145	28	---	0.04	0.04

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	146	24	---	0.02	0.02	146	25	---	0.01	0.01	146	26	---	0.04	0.04
	146	27	---	0.04	0.04	146	28	---	0.04	0.04	146	29	---	0.02	0.02
	147	25	---	0.05	0.05	147	26	---	0.04	0.04	147	27	---	0.04	0.04
	147	28	---	0.04	0.04	147	29	---	0.04	0.04	147	30	---	0.01	0.01
	148	25	---	0.03	0.03	148	26	---	0.04	0.04	148	27	0.60	0.04	0.64
	148	28	---	0.04	0.04	148	29	---	0.04	0.04	148	30	---	0.03	0.03
	149	25	---	0.14	0.14	149	26	---	0.14	0.14	149	27	---	0.04	0.04
	149	28	---	0.04	0.04	149	29	---	0.04	0.04	149	30	---	0.03	0.03
	150	25	---	0.04	0.04	150	26	---	0.04	0.04	150	27	---	0.04	0.04
	150	28	---	0.04	0.04	150	29	---	0.04	0.04	150	30	---	0.02	0.02
	151	25	---	0.13	0.13	151	26	---	0.04	0.04	151	27	---	0.04	0.04
	151	28	---	0.14	0.14	151	29	---	0.04	0.04	151	30	---	0.02	0.02
	152	25	---	0.01	0.01	152	26	---	0.04	0.04	152	27	---	0.04	0.04
	152	28	0.10	0.14	0.24	152	29	---	0.04	0.04	152	30	---	0.02	0.02
	153	25	---	<0.01	<0.01	153	26	---	0.03	0.03	153	27	0.40	0.04	0.44
	153	28	---	0.04	0.04	153	29	---	0.04	0.04	153	30	---	0.02	0.02
	154	25	---	0.17	0.17	154	26	---	0.23	0.23	154	30	---	<0.01	<0.01
	155	25	---	0.23	0.23	155	26	---	0.17	0.17	156	24	0.10	0.23	0.33
	156	25	0.10	0.58	0.68	156	26	---	0.58	0.58	157	24	---	0.17	0.17
	157	25	---	0.58	0.58	157	26	---	0.23	0.23	158	24	0.10	0.17	0.27
	158	25	0.70	0.58	1.3	158	26	0.30	0.17	0.47	159	23	0.10	---	0.10
	159	24	---	0.17	0.17	159	25	---	0.58	0.58	159	26	---	0.17	0.17
	160	23	---	2.2	2.2	160	24	---	0.88	0.88	160	25	---	0.58	0.58
	160	26	---	<0.01	<0.01	160	27	---	<0.01	<0.01	161	21	---	<0.01	<0.01
	161	22	---	2.7	2.7	161	23	0.20	0.71	0.91	161	24	---	3.3	3.3
	161	25	---	0.71	0.71	161	26	---	1.3	1.3	161	27	0.70	0.01	0.71
	161	28	0.10	0.01	0.11	161	29	---	0.01	0.01	162	21	---	0.01	0.01
	162	22	---	2.6	2.6	162	23	0.50	9.2	9.7	162	24	1.4	2.0	3.4
	162	25	2.5	0.01	2.5	162	26	---	0.71	0.71	162	27	---	0.71	0.71
	162	28	---	0.01	0.01	162	29	---	<0.01	<0.01	163	21	---	1.3	1.3
	163	22	---	5.3	5.3	163	23	1.3	5.3	6.6	163	24	3.3	0.01	3.3
	163	25	1.5	0.01	1.5	163	26	---	0.01	0.01	163	27	---	0.01	0.01
	163	28	0.10	0.01	0.11	163	29	---	<0.01	<0.01	164	21	---	0.01	0.01
	164	22	1.3	2.6	3.9	164	23	2.0	0.01	2.0	164	24	1.3	0.01	1.3
	164	25	---	0.71	0.71	164	26	---	0.01	0.01	164	27	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
4	164	28	---	0.01	0.01	164	29	---	<0.01	<0.01	165	19	0.10	2.7	2.8
	165	20	---	2.7	2.7	165	21	---	1.4	1.4	165	22	0.70	2.6	3.3
	165	23	1.3	1.3	2.6	165	24	---	1.3	1.3	165	25	---	0.71	0.71
	165	26	---	0.71	0.71	165	27	---	0.01	0.01	165	28	---	<0.01	<0.01
	166	19	---	2.0	2.0	166	20	---	2.7	2.7	166	21	---	0.68	0.68
	166	22	---	1.4	1.4	166	23	0.40	0.71	1.1	166	24	---	0.01	0.01
	166	25	---	0.71	0.71	166	26	---	0.01	0.01	166	27	---	<0.01	<0.01
	167	18	---	5.4	5.4	167	19	---	0.68	0.68	167	20	---	1.4	1.4
	167	21	---	2.0	2.0	167	22	---	2.0	2.0	167	23	---	<0.01	<0.01
	167	24	---	0.71	0.71	167	25	---	0.01	0.01	167	26	---	<0.01	<0.01
	167	31	0.20	---	0.20	168	18	---	1.4	1.4	168	19	---	1.4	1.4
	168	20	2.2	3.4	5.6	168	21	---	1.4	1.4	168	22	---	1.4	1.4
	168	24	---	<0.01	<0.01	168	25	---	<0.01	<0.01	168	29	0.30	---	0.30
	169	17	---	0.68	0.68	169	18	---	2.7	2.7	169	19	---	0.68	0.68
	169	20	---	5.4	5.4	169	21	---	2.7	2.7	169	22	---	0.68	0.68
	170	16	---	6.8	6.8	170	17	---	3.4	3.4	170	20	---	0.68	0.68
	170	21	---	2.7	2.7	170	22	---	0.68	0.68	170	25	---	0.61	0.61
	170	26	---	0.34	0.34	171	15	---	0.74	0.74	171	19	---	1.4	1.4
	171	20	---	1.4	1.4	171	21	0.60	2.7	3.3	171	22	---	0.68	0.68
	171	25	---	1.2	1.2	172	13	---	0.74	0.74	172	14	---	2.2	2.2
	172	15	---	3.7	3.7	172	16	---	4.4	4.4	172	20	---	0.68	0.68
	172	21	---	0.34	0.34	172	22	---	0.27	0.27	173	14	---	0.74	0.74
	173	15	---	5.9	5.9	173	16	---	2.9	2.9	173	21	---	0.61	0.61
	173	24	---	0.27	0.27	173	27	---	0.34	0.34	174	12	---	2.2	2.2
	174	13	0.10	7.4	7.5	174	14	---	1.5	1.5	174	21	---	0.61	0.61
	174	22	---	0.61	0.61	174	23	0.70	---	0.70	174	26	---	0.61	0.61
	175	12	---	0.74	0.74	175	13	---	5.2	5.2	175	14	---	1.5	1.5
	175	15	---	3.7	3.7	175	16	---	4.4	4.4	175	18	---	0.37	0.37
	175	22	---	0.61	0.61	175	23	---	0.34	0.34	176	13	---	0.74	0.74

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
4	176	15	---	4.4	4.4	176	16	---	3.7	3.7	176	17	---	5.3	5.3
	176	19	---	0.74	0.74	176	20	---	0.56	0.56	177	14	---	2.2	2.2
	177	15	---	2.9	2.9	177	16	2.4	2.2	4.6	177	17	---	0.74	0.74
	177	18	---	0.74	0.74	177	20	---	0.19	0.19	178	11	---	0.74	0.74
	178	13	---	0.74	0.74	178	14	---	2.2	2.2	178	15	---	0.37	0.37
	178	16	---	0.93	0.93	178	17	---	2.2	2.2	178	18	---	1.9	1.9
	178	19	0.20	1.1	1.3	178	20	---	0.56	0.56	179	15	---	0.37	0.37
	179	16	---	0.19	0.19	179	17	2.0	2.2	4.2	179	18	---	1.9	1.9
	179	19	---	1.1	1.1	179	20	---	0.74	0.74	179	26	0.20	---	0.20
	180	17	---	1.5	1.5	-	-	---	---	---	-	-	---	---	---
5	7	14	0.10	---	0.10	7	17	0.52	---	0.52	8	12	0.12	---	0.12
	8	16	0.06	---	0.06	8	17	0.01	---	0.01	9	13	0.04	---	0.04
	10	14	0.15	---	0.15	12	14	1.0	---	1.0	13	17	1.5	---	1.5
	13	23	0.05	---	0.05	14	20	0.17	---	0.17	15	21	0.37	---	0.37
	15	22	0.87	---	0.87	16	14	0.75	---	0.75	16	15	0.15	---	0.15
	16	22	0.10	---	0.10	16	24	0.10	---	0.10	18	21	0.09	---	0.09
	18	22	0.09	---	0.09	18	23	0.74	---	0.74	19	19	0.52	---	0.52
	19	22	0.09	---	0.09	19	24	4.6	---	4.6	20	20	0.14	---	0.14
	21	24	1.3	---	1.3	22	20	0.40	---	0.40	24	11	---	<0.01	<0.01
	24	25	0.09	---	0.09	25	20	0.43	---	0.43	25	22	1.4	---	1.4
	25	24	0.06	---	0.06	26	22	0.69	---	0.69	27	22	0.22	---	0.22
	27	24	0.30	---	0.30	27	25	0.42	---	0.42	27	29	0.04	---	0.04
	28	22	0.35	---	0.35	28	28	0.07	---	0.07	29	23	0.98	---	0.98
	29	24	0.91	---	0.91	29	25	0.02	---	0.02	29	26	0.10	---	0.10
	29	28	1.7	---	1.7	30	15	---	<0.01	<0.01	30	16	---	0.01	0.01
	30	17	---	<0.01	<0.01	30	23	16	---	16	30	24	11	---	11
	30	25	10	---	10	30	26	2.9	---	2.9	30	27	0.10	---	0.10
	31	15	---	<0.01	<0.01	31	16	---	0.01	0.01	31	17	---	0.01	0.01
	31	18	---	<0.01	<0.01	31	24	13	---	13	31	25	21	---	21
	31	26	23	---	23	31	27	0.20	<0.01	0.20	31	28	---	0.01	0.01
	31	29	---	<0.01	<0.01	32	14	---	<0.01	<0.01	32	15	---	0.01	0.01
	32	16	---	0.01	0.01	32	17	---	0.01	0.01	32	18	---	0.01	0.01
	32	19	---	<0.01	<0.01	32	23	7.2	---	7.2	32	24	38	---	38

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	32	25	12	---	12	32	26	0.06	---	0.06	32	27	1.4	0.01	1.4
	32	28	0.20	0.01	0.21	32	29	---	0.01	0.01	32	30	---	<0.01	<0.01
	33	13	---	<0.01	<0.01	33	15	---	0.01	0.01	33	16	---	0.01	0.01
	33	17	---	0.01	0.01	33	18	---	<0.01	<0.01	33	24	4.5	---	4.5
	33	25	3.3	---	3.3	33	26	1.3	0.01	1.3	33	27	0.15	0.01	0.16
	33	28	0.08	0.01	0.10	33	29	---	0.01	0.01	33	30	0.01	0.04	0.05
	33	31	---	0.03	0.03	33	32	---	0.02	0.02	34	13	---	0.01	0.01
	34	14	---	0.01	0.01	34	16	---	0.01	0.01	34	17	---	<0.01	<0.01
	34	24	13	---	13	34	25	0.03	0.01	0.04	34	26	0.65	0.01	0.67
	34	27	0.07	0.01	0.08	34	28	0.66	0.01	0.68	34	29	---	0.03	0.03
	34	30	---	0.04	0.04	34	31	---	0.04	0.04	34	32	---	0.04	0.04
	34	33	---	0.01	0.01	35	15	---	0.01	0.01	35	19	0.20	---	0.20
	35	21	---	<0.01	<0.01	35	24	---	0.01	0.01	35	25	---	0.01	0.01
	35	26	---	0.01	0.01	35	27	---	0.01	0.01	35	28	---	0.01	0.01
	35	29	0.26	0.04	0.30	35	30	---	0.04	0.04	35	31	---	0.04	0.04
	35	32	---	0.02	0.02	35	33	---	0.01	0.01	35	34	---	<0.01	<0.01
	36	15	---	0.01	0.01	36	16	---	<0.01	<0.01	36	21	---	0.01	0.01
	36	22	---	0.01	0.01	36	23	---	<0.01	<0.01	36	25	---	0.01	0.01
	36	26	0.09	0.01	0.10	36	27	0.04	0.02	0.06	36	28	0.22	0.03	0.25
	36	29	---	0.04	0.04	36	30	---	0.04	0.04	36	31	0.05	0.03	0.08
	36	32	---	0.02	0.02	36	33	---	0.02	0.02	36	34	---	0.01	0.01
	36	35	---	0.01	0.01	37	15	---	<0.01	<0.01	37	20	---	0.01	0.01
	37	21	---	0.02	0.02	37	22	---	0.02	0.02	37	23	---	0.02	0.02
	37	24	---	<0.01	<0.01	37	25	---	<0.01	<0.01	37	27	---	0.01	0.01
	37	28	0.03	0.04	0.07	37	29	0.07	0.04	0.11	37	30	---	0.04	0.04
	37	31	---	0.02	0.02	37	32	---	0.02	0.02	37	33	---	0.02	0.02
	37	34	---	0.02	0.02	37	35	---	0.02	0.02	37	36	---	0.01	0.01
	38	19	---	0.01	0.01	38	20	---	0.02	0.02	38	21	---	0.02	0.02
	38	22	---	0.02	0.02	38	23	---	0.03	0.03	38	24	---	0.05	0.05
	38	25	---	0.01	0.01	38	28	---	0.02	0.02	38	29	---	0.03	0.03
	38	30	---	0.01	0.01	38	31	---	0.02	0.02	38	32	---	0.02	0.02
	38	33	0.01	0.02	0.03	38	34	0.13	0.02	0.15	38	35	---	0.02	0.02
	38	36	---	0.01	0.01	38	77	---	0.04	0.04	38	78	---	0.04	0.04
	38	79	---	0.06	0.06	39	15	---	0.01	0.01	39	18	---	<0.01	<0.01
	39	19	0.20	0.02	0.22	39	20	---	0.02	0.02	39	21	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	39	22	---	0.02	0.02	39	23	---	0.05	0.05	39	24	---	0.05	0.05
	39	25	---	0.03	0.03	39	30	---	0.01	0.01	39	31	---	0.02	0.02
	39	32	---	0.02	0.02	39	33	---	0.02	0.02	39	34	0.23	0.02	0.25
	39	35	---	0.01	0.01	39	36	---	<0.01	<0.01	39	76	---	0.04	0.04
	39	77	---	0.04	0.04	39	78	---	0.04	0.04	39	79	---	0.04	0.04
	39	80	---	0.07	0.07	40	15	---	0.03	0.03	40	16	---	0.01	0.01
	40	17	---	<0.01	<0.01	40	18	---	0.02	0.02	40	19	---	0.02	0.02
	40	20	---	0.02	0.02	40	21	---	0.02	0.02	40	22	---	0.05	0.05
	40	23	---	0.05	0.05	40	24	---	0.05	0.05	40	25	---	0.04	0.04
	40	26	---	0.02	0.02	40	31	---	<0.01	<0.01	40	32	---	0.01	0.01
	40	33	---	0.01	0.01	40	34	---	0.02	0.02	40	35	---	0.01	0.01
	40	36	---	<0.01	<0.01	40	75	---	0.04	0.04	40	79	---	0.04	0.04
	40	80	---	0.04	0.04	41	15	---	0.03	0.03	41	16	---	0.03	0.03
	41	17	---	0.02	0.02	41	18	---	0.02	0.02	41	19	---	0.02	0.02
	41	20	---	0.02	0.02	41	21	---	0.04	0.04	41	22	---	0.05	0.05
	41	23	---	0.05	0.05	41	24	---	0.05	0.05	41	25	---	0.05	0.05
	41	34	---	0.01	0.01	41	35	---	<0.01	<0.01	41	36	---	<0.01	<0.01
	41	37	---	<0.01	<0.01	41	74	---	0.04	0.04	42	15	---	0.03	0.03
	42	16	---	0.03	0.03	42	17	---	0.03	0.03	42	18	---	0.02	0.02
	42	19	---	0.02	0.02	42	20	---	0.03	0.03	42	21	---	0.05	0.05
	42	22	---	0.05	0.05	42	23	---	0.05	0.05	42	24	1.4	0.05	1.5
	42	25	---	0.02	0.02	42	27	3.6	<0.01	3.6	42	28	---	0.01	0.01
	42	29	---	0.01	0.01	42	30	---	<0.01	<0.01	42	35	---	<0.01	<0.01
	42	36	---	<0.01	<0.01	42	37	---	<0.01	<0.01	42	38	---	<0.01	<0.01
	42	39	---	<0.01	<0.01	42	71	---	0.05	0.05	42	72	---	0.05	0.05
	42	73	---	0.04	0.04	43	15	---	0.03	0.03	43	16	---	0.03	0.03
	43	17	---	0.03	0.03	43	18	---	0.02	0.02	43	19	---	0.03	0.03
	43	20	---	0.05	0.05	43	21	---	0.05	0.05	43	22	---	0.05	0.05
	43	23	---	0.05	0.05	43	24	---	0.02	0.02	43	26	1.7	---	1.7
	43	28	---	<0.01	<0.01	43	29	---	0.01	0.01	43	30	---	0.01	0.01
	43	31	---	<0.01	<0.01	43	34	---	<0.01	<0.01	43	35	---	<0.01	<0.01
	43	36	---	<0.01	<0.01	43	41	---	<0.01	<0.01	43	42	---	<0.01	<0.01
	43	69	---	0.05	0.05	43	70	---	0.05	0.05	43	71	---	0.05	0.05
	43	72	---	0.05	0.05	43	73	---	0.05	0.05	43	74	---	0.04	0.04
	43	75	---	0.04	0.04	43	76	---	0.04	0.04	43	77	---	0.04	0.04

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	44	15	---	0.03	0.03	44	16	---	0.03	0.03	44	17	0.10	0.02	0.12
	44	18	---	0.02	0.02	44	19	---	0.02	0.02	44	20	---	0.05	0.05
	44	21	---	0.05	0.05	44	22	---	0.05	0.05	44	23	---	0.03	0.03
	44	28	0.10	<0.01	0.11	44	29	---	0.01	0.01	44	30	---	0.01	0.01
	44	31	---	0.01	0.01	44	33	---	<0.01	<0.01	44	34	---	<0.01	<0.01
	44	35	---	<0.01	<0.01	44	36	---	<0.01	<0.01	44	40	---	<0.01	<0.01
	44	41	---	<0.01	<0.01	44	42	---	<0.01	<0.01	44	69	---	0.02	0.02
	44	70	---	0.05	0.05	44	71	---	0.05	0.05	44	72	---	0.05	0.05
	44	73	---	0.05	0.05	44	74	---	0.05	0.05	44	77	---	0.04	0.04
	45	15	---	0.01	0.01	45	16	---	0.01	0.01	45	17	---	0.02	0.02
	45	18	---	0.02	0.02	45	19	---	0.02	0.02	45	20	---	0.02	0.02
	45	21	---	0.03	0.03	45	22	---	0.03	0.03	45	23	---	<0.01	<0.01
	45	24	0.30	---	0.30	45	28	---	0.01	0.01	45	29	<0.01	0.01	0.01
	45	30	5.6	0.01	5.6	45	31	---	0.01	0.01	45	32	---	0.01	0.01
	45	33	---	<0.01	<0.01	45	34	---	<0.01	<0.01	45	35	---	<0.01	<0.01
	45	36	---	<0.01	<0.01	45	37	---	<0.01	<0.01	45	38	---	<0.01	<0.01
	45	39	---	<0.01	<0.01	45	40	---	<0.01	<0.01	45	41	---	<0.01	<0.01
	45	42	---	<0.01	<0.01	45	43	---	<0.01	<0.01	45	44	---	<0.01	<0.01
	45	45	---	<0.01	<0.01	45	65	---	<0.01	<0.01	45	66	---	<0.01	<0.01
	45	67	---	<0.01	<0.01	45	68	---	<0.01	<0.01	45	69	---	<0.01	<0.01
	45	70	---	<0.01	<0.01	45	72	---	0.05	0.05	45	73	---	0.05	0.05
	45	75	---	0.05	0.05	46	17	---	<0.01	<0.01	46	18	---	0.01	0.01
	46	19	---	0.02	0.02	46	20	---	0.02	0.02	46	21	---	0.02	0.02
	46	22	---	0.02	0.02	46	23	---	0.01	0.01	46	27	0.20	---	0.20
	46	28	---	<0.01	<0.01	46	29	---	0.01	0.01	46	30	---	0.01	0.01
	46	31	0.07	0.01	0.08	46	32	---	0.01	0.01	46	33	---	0.01	0.01
	46	34	---	0.01	0.01	46	35	---	<0.01	<0.01	46	36	---	<0.01	<0.01
	46	37	---	<0.01	<0.01	46	38	---	<0.01	<0.01	46	40	---	<0.01	<0.01
	46	41	---	<0.01	<0.01	46	42	---	<0.01	<0.01	46	43	---	<0.01	<0.01
	46	44	---	<0.01	<0.01	46	45	---	<0.01	<0.01	46	46	---	<0.01	<0.01
	46	51	---	<0.01	<0.01	46	65	---	<0.01	<0.01	46	66	---	<0.01	<0.01
	46	67	0.42	<0.01	0.42	46	68	---	<0.01	<0.01	46	69	---	<0.01	<0.01
	46	70	---	<0.01	<0.01	47	18	---	<0.01	<0.01	47	19	---	0.01	0.01
	47	20	0.40	0.02	0.42	47	21	---	0.02	0.02	47	22	0.10	0.02	0.12
	47	23	---	0.02	0.02	47	24	---	0.02	0.02	47	25	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	47	26	---	<0.01	<0.01	47	28	---	<0.01	<0.01	47	29	0.03	0.01	0.03
	47	30	---	<0.01	<0.01	47	31	---	<0.01	<0.01	47	32	---	0.01	0.01
	47	33	0.02	0.01	0.03	47	34	---	0.01	0.01	47	35	---	0.01	0.01
	47	41	0.90	---	0.90	47	42	---	<0.01	<0.01	47	43	---	<0.01	<0.01
	47	44	---	<0.01	<0.01	47	45	---	<0.01	<0.01	47	46	---	0.01	0.01
	47	47	---	<0.01	<0.01	47	48	---	<0.01	<0.01	47	49	---	<0.01	<0.01
	47	50	---	<0.01	<0.01	47	51	---	0.01	0.01	47	52	---	0.02	0.02
	47	53	---	0.02	0.02	47	54	---	0.02	0.02	47	55	---	0.02	0.02
	47	56	---	0.01	0.01	47	57	---	0.01	0.01	47	58	---	0.01	0.01
	47	59	---	0.01	0.01	47	60	---	0.01	0.01	47	61	---	0.01	0.01
	47	62	---	0.01	0.01	47	63	---	0.01	0.01	47	64	---	0.01	0.01
	47	65	---	<0.01	<0.01	47	66	---	<0.01	<0.01	47	67	---	<0.01	<0.01
	47	68	0.07	<0.01	0.08	47	69	---	<0.01	<0.01	47	70	0.05	<0.01	0.05
	48	19	---	<0.01	<0.01	48	20	---	0.02	0.02	48	21	---	0.01	0.01
	48	22	---	0.01	0.01	48	23	---	0.01	0.01	48	24	---	0.01	0.01
	48	25	---	0.01	0.01	48	26	---	<0.01	<0.01	48	28	---	<0.01	<0.01
	48	29	---	<0.01	<0.01	48	30	---	<0.01	<0.01	48	31	---	<0.01	<0.01
	48	32	---	<0.01	<0.01	48	33	---	<0.01	<0.01	48	34	---	0.01	0.01
	48	35	---	0.01	0.01	48	36	---	<0.01	<0.01	48	37	---	<0.01	<0.01
	48	42	---	<0.01	<0.01	48	43	---	<0.01	<0.01	48	44	---	<0.01	<0.01
	48	45	---	<0.01	<0.01	48	46	---	<0.01	<0.01	48	47	---	0.01	0.01
	48	48	---	<0.01	<0.01	48	49	---	<0.01	<0.01	48	50	---	0.01	0.01
	48	51	0.07	0.02	0.09	48	52	---	0.02	0.02	48	53	0.01	0.02	0.03
	48	54	0.11	0.02	0.13	48	55	---	0.02	0.02	48	56	---	0.02	0.02
	48	57	---	0.02	0.02	48	58	---	0.01	0.01	48	59	---	0.01	0.01
	48	60	---	0.01	0.01	48	61	0.45	0.01	0.46	48	62	---	0.01	0.01
	48	63	---	0.01	0.01	48	64	---	0.01	0.01	48	65	---	0.01	0.01
	48	66	0.05	<0.01	0.05	48	67	0.08	<0.01	0.09	48	68	---	<0.01	<0.01
	48	69	---	<0.01	<0.01	49	15	---	<0.01	<0.01	49	16	---	4.9	4.9
	49	17	---	5.4	5.4	49	19	---	<0.01	<0.01	49	20	---	<0.01	<0.01
	49	21	---	<0.01	<0.01	49	28	---	<0.01	<0.01	49	29	---	<0.01	<0.01
	49	30	---	<0.01	<0.01	49	31	---	<0.01	<0.01	49	32	---	<0.01	<0.01
	49	33	0.06	<0.01	0.06	49	34	---	<0.01	<0.01	49	35	---	0.01	0.01
	49	36	---	0.01	0.01	49	37	---	0.01	0.01	49	38	---	<0.01	<0.01
	49	42	---	<0.01	<0.01	49	43	---	<0.01	<0.01	49	44	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	49	45	---	<0.01	<0.01	49	46	---	<0.01	<0.01	49	47	---	<0.01	<0.01
	49	48	---	<0.01	<0.01	49	49	---	<0.01	<0.01	49	50	---	<0.01	<0.01
	49	51	---	0.01	0.01	49	52	---	0.02	0.02	49	53	---	0.02	0.02
	49	54	---	0.02	0.02	49	55	---	0.02	0.02	49	56	---	0.02	0.02
	49	57	---	0.02	0.02	49	58	---	0.02	0.02	49	59	---	0.01	0.01
	49	60	0.06	0.01	0.07	49	61	---	0.01	0.01	49	62	---	0.01	0.01
	49	63	---	0.01	0.01	49	64	---	0.01	0.01	49	65	0.06	0.01	0.06
	49	66	---	0.01	0.01	49	67	---	0.01	0.01	49	68	---	<0.01	<0.01
	49	69	---	<0.01	<0.01	50	15	---	0.01	0.01	50	16	---	0.01	0.01
	50	17	---	<0.01	<0.01	50	18	---	5.4	5.4	50	19	---	5.2	5.2
	50	21	---	4.8	4.8	50	28	---	<0.01	<0.01	50	30	---	<0.01	<0.01
	50	31	---	<0.01	<0.01	50	32	---	<0.01	<0.01	50	33	---	<0.01	<0.01
	50	34	6.6	<0.01	6.6	50	35	---	<0.01	<0.01	50	36	---	<0.01	<0.01
	50	37	---	0.01	0.01	50	38	0.05	0.01	0.06	50	39	---	<0.01	<0.01
	50	42	---	<0.01	<0.01	50	43	---	<0.01	<0.01	50	44	---	<0.01	<0.01
	50	45	---	<0.01	<0.01	50	46	---	<0.01	<0.01	50	47	---	<0.01	<0.01
	50	48	---	<0.01	<0.01	50	49	---	<0.01	<0.01	50	50	---	0.01	0.01
	50	51	---	0.01	0.01	50	52	---	0.01	0.01	50	53	---	0.01	0.01
	50	54	0.25	0.02	0.26	50	55	0.03	0.02	0.05	50	56	---	0.02	0.02
	50	57	---	0.02	0.02	50	58	---	0.02	0.02	50	59	---	0.02	0.02
	50	60	---	0.01	0.01	50	61	---	0.01	0.01	50	62	---	0.01	0.01
	50	63	0.03	0.01	0.04	50	64	---	0.01	0.01	50	65	---	0.01	0.01
	50	66	---	0.01	0.01	50	67	---	0.01	0.01	50	68	---	<0.01	<0.01
	51	15	---	0.01	0.01	51	16	---	0.01	0.01	51	17	---	0.01	0.01
	51	18	---	0.01	0.01	51	19	---	<0.01	<0.01	51	20	2.8	4.2	7.0
	51	21	---	4.8	4.8	51	22	---	4.8	4.8	51	23	---	4.8	4.8
	51	24	1.0	---	1.0	51	29	---	<0.01	<0.01	51	30	---	<0.01	<0.01
	51	31	---	<0.01	<0.01	51	32	0.01	<0.01	0.01	51	33	0.04	<0.01	0.05
	51	34	<0.01	<0.01	0.01	51	35	---	<0.01	<0.01	51	36	---	0.01	0.01
	51	37	---	0.01	0.01	51	38	---	0.01	0.01	51	39	---	0.01	0.01
	51	40	---	<0.01	<0.01	51	42	---	0.01	0.01	51	43	0.03	<0.01	0.03
	51	44	---	<0.01	<0.01	51	45	---	<0.01	<0.01	51	46	---	<0.01	<0.01
	51	47	---	<0.01	<0.01	51	48	---	<0.01	<0.01	51	49	---	0.01	0.01
	51	50	---	0.01	0.01	51	51	---	0.01	0.01	51	52	---	0.01	0.01
	51	53	---	0.01	0.01	51	54	---	0.02	0.02	51	55	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	51	56	---	0.02	0.02	51	57	---	0.02	0.02	51	58	---	0.02	0.02
	51	59	---	0.02	0.02	51	60	---	0.01	0.01	51	62	---	0.01	0.01
	51	63	0.04	0.01	0.05	51	64	0.28	0.01	0.29	51	65	---	0.01	0.01
	51	66	---	0.01	0.01	51	67	---	0.01	0.01	51	68	0.07	---	0.07
	52	15	---	0.01	0.01	52	16	---	0.01	0.01	52	17	---	0.01	0.01
	52	18	---	0.01	0.01	52	19	---	<0.01	<0.01	52	22	---	4.8	4.8
	52	23	---	4.8	4.8	52	30	---	<0.01	<0.01	52	31	---	<0.01	<0.01
	52	32	0.02	<0.01	0.03	52	33	---	<0.01	<0.01	52	34	---	<0.01	<0.01
	52	35	---	<0.01	<0.01	52	36	---	<0.01	<0.01	52	37	---	0.01	0.01
	52	38	---	0.01	0.01	52	39	---	0.01	0.01	52	40	0.14	0.01	0.15
	52	41	---	0.02	0.02	52	42	---	0.02	0.02	52	43	---	0.02	0.02
	52	44	---	<0.01	<0.01	52	45	---	<0.01	<0.01	52	46	---	<0.01	<0.01
	52	47	---	0.01	0.01	52	48	---	0.02	0.02	52	49	---	0.02	0.02
	52	50	---	0.01	0.01	52	51	---	0.01	0.01	52	52	---	0.01	0.01
	52	53	---	0.01	0.01	52	54	---	0.01	0.01	52	55	---	0.01	0.01
	52	56	---	0.02	0.02	52	57	1.2	0.02	1.2	52	58	---	0.02	0.02
	52	59	---	0.02	0.02	52	63	0.40	<0.01	0.40	52	64	0.23	0.01	0.24
	52	65	---	0.01	0.01	52	66	---	0.01	0.01	52	67	---	<0.01	<0.01
	53	15	---	0.01	0.01	53	16	---	0.01	0.01	53	17	---	0.01	0.01
	53	18	---	0.01	0.01	53	19	---	0.06	0.06	53	20	---	0.05	0.05
	53	23	---	0.02	0.02	53	24	---	0.02	0.02	53	25	---	0.02	0.02
	53	26	0.10	---	0.10	53	31	---	<0.01	<0.01	53	32	---	<0.01	<0.01
	53	33	0.04	<0.01	0.04	53	34	---	<0.01	<0.01	53	35	---	<0.01	<0.01
	53	36	---	0.01	0.01	53	37	---	0.01	0.01	53	38	---	0.01	0.01
	53	39	---	0.01	0.01	53	40	0.12	0.01	0.13	53	41	0.01	0.02	0.04
	53	42	0.55	0.02	0.57	53	43	<0.01	0.02	0.02	53	44	---	0.01	0.01
	53	45	---	0.01	0.01	53	46	---	0.02	0.02	53	47	---	0.02	0.02
	53	48	---	0.02	0.02	53	49	---	0.02	0.02	53	50	---	0.01	0.01
	53	51	0.15	0.01	0.16	53	52	---	0.01	0.01	53	53	---	0.01	0.01
	53	54	---	<0.01	<0.01	53	55	---	<0.01	<0.01	53	56	0.17	0.01	0.18
	53	57	0.20	0.02	0.22	53	58	0.11	0.02	0.12	53	59	---	<0.01	<0.01
	53	60	0.08	---	0.08	53	63	0.05	---	0.05	53	64	0.08	<0.01	0.09
	53	65	0.08	0.01	0.09	53	66	---	<0.01	<0.01	54	15	---	0.01	0.01
	54	16	---	0.01	0.01	54	17	0.40	0.01	0.41	54	18	---	0.06	0.06
	54	19	---	0.08	0.08	54	20	---	0.08	0.08	54	21	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
5	54	22	---	0.02	0.02	54	23	---	0.08	0.08	54	24	---	0.08	0.08
	54	25	---	0.04	0.04	54	26	---	0.01	0.01	54	31	---	<0.01	<0.01
	54	32	---	<0.01	<0.01	54	33	---	<0.01	<0.01	54	34	---	<0.01	<0.01
	54	35	---	0.01	0.01	54	36	---	0.02	0.02	54	37	---	0.02	0.02
	54	38	---	0.01	0.01	54	39	---	0.02	0.02	54	41	0.01	0.02	0.03
	54	42	0.04	0.02	0.06	54	43	0.03	0.02	0.05	54	44	---	0.02	0.02
	54	45	---	0.02	0.02	54	46	7.2	0.02	7.2	54	47	0.05	0.02	0.07
	54	48	---	0.02	0.02	54	49	---	0.02	0.02	54	50	---	0.01	0.01
	54	51	---	0.01	0.01	54	52	1.5	0.01	1.5	54	53	---	0.01	0.01
	54	54	---	<0.01	<0.01	54	55	---	<0.01	<0.01	54	56	0.33	<0.01	0.34
	54	57	---	<0.01	<0.01	54	58	---	0.01	0.01	54	62	0.26	---	0.26
	54	65	0.04	<0.01	0.04	55	13	---	0.01	0.01	55	14	---	0.01	0.01
	55	15	---	0.01	0.01	55	16	---	0:01	0.01	55	17	---	0.05	0.05
	55	18	---	0.08	0.08	55	19	---	0.08	0.08	55	20	0.10	0.08	0.18
	55	21	---	0.08	0.08	55	22	---	0.08	0.08	55	23	---	0.04	0.04
	55	24	---	0.02	0.02	55	25	0.30	0.02	0.32	55	26	0.10	0.01	0.11
	55	31	---	<0.01	<0.01	55	32	---	<0.01	<0.01	55	33	---	<0.01	<0.01
	55	34	---	0.01	0.01	55	35	---	0.02	0.02	55	36	---	0.02	0.02
	55	37	---	0.02	0.02	55	38	---	0.02	0.02	55	39	<0.01	0.02	0.02
	55	40	---	0.02	0.02	55	41	---	0.02	0.02	55	42	---	0.02	0.02
	55	43	---	0.02	0.02	55	44	---	0.02	0.02	55	45	0.29	0.02	0.31
	55	46	1.9	0.02	1.9	55	47	---	0.02	0.02	55	48	0.18	0.02	0.20
	55	49	---	0.02	0.02	55	50	---	0.01	0.01	55	51	---	0.01	0.01
	55	52	---	0.01	0.01	55	53	---	0.01	0.01	55	54	---	<0.01	<0.01
	55	55	0.17	<0.01	0.17	55	56	---	<0.01	<0.01	55	57	---	<0.01	<0.01
	55	58	---	<0.01	<0.01	55	59	0.04	<0.01	0.04	55	63	0.04	---	0.04
	56	13	---	0.01	0.01	56	14	---	0.01	0.01	56	15	---	0.01	0.01
	56	16	---	0.04	0.04	56	17	---	0.08	0.08	56	18	---	0.08	0.08
	56	19	---	0.08	0.08	56	20	---	0.08	0.08	56	21	---	0.08	0.08
	56	22	---	0.08	0.08	56	23	0.10	0.05	0.15	56	24	---	0.02	0.02
	56	25	---	0.02	0.02	56	26	---	0.02	0.02	56	27	0.60	<0.01	0.60
	56	29	---	<0.01	<0.01	56	33	---	0.01	0.01	56	34	---	0.01	0.01
	56	35	---	0.01	0.01	56	36	---	0.02	0.02	56	37	---	0.02	0.02
	56	38	---	0.02	0.02	56	39	---	0.02	0.02	56	40	---	0.02	0.02
	56	41	---	0.02	0.02	56	42	---	0.01	0.01	56	43	0.06	0.02	0.07

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	56	44	---	0.02	0.02	56	45	---	0.02	0.02	56	46	0.23	0.02	0.25
	56	47	---	0.02	0.02	56	48	---	0.02	0.02	56	49	---	0.02	0.02
	56	50	---	0.01	0.01	56	51	---	0.01	0.01	56	52	---	0.01	0.01
	56	53	0.42	0.01	0.43	56	54	---	<0.01	<0.01	56	55	---	<0.01	<0.01
	56	56	0.51	<0.01	0.52	56	57	0.15	<0.01	0.15	56	58	0.08	<0.01	0.09
	56	59	0.04	<0.01	0.04	57	13	---	0.01	0.01	57	14	---	0.02	0.02
	57	15	---	0.01	0.01	57	16	0.10	0.06	0.16	57	17	0.10	0.08	0.18
	57	18	0.60	0.08	0.68	57	19	4.4	0.08	4.5	57	20	38	0.08	38
	57	21	---	0.08	0.08	57	22	---	0.07	0.07	57	23	0.20	0.02	0.22
	57	24	---	0.02	0.02	57	25	---	0.02	0.02	57	26	---	0.02	0.02
	57	27	---	0.02	0.02	57	28	---	<0.01	<0.01	57	29	---	<0.01	<0.01
	57	30	---	<0.01	<0.01	57	31	1.5	---	1.5	57	34	---	0.01	0.01
	57	35	---	0.01	0.01	57	36	---	0.02	0.02	57	37	0.04	0.01	0.05
	57	38	---	0.02	0.02	57	39	---	0.02	0.02	57	40	---	0.01	0.01
	57	41	---	0.01	0.01	57	42	---	0.01	0.01	57	43	---	0.01	0.01
	57	44	0.08	0.02	0.10	57	45	---	0.02	0.02	57	46	---	0.02	0.02
	57	47	---	0.02	0.02	57	48	---	0.02	0.02	57	49	---	0.01	0.01
	57	50	0.42	0.01	0.43	57	51	---	0.01	0.01	57	52	---	0.01	0.01
	57	53	3.8	0.01	3.8	57	54	1.2	<0.01	1.2	57	55	1.4	<0.01	1.4
	57	56	---	<0.01	<0.01	57	57	---	<0.01	<0.01	57	58	---	<0.01	<0.01
	57	59	---	<0.01	<0.01	58	13	---	0.01	0.01	58	14	---	0.02	0.02
	58	15	---	0.02	0.02	58	16	---	0.02	0.02	58	17	---	0.05	0.05
	58	18	---	0.08	0.08	58	19	0.30	0.08	0.38	58	20	4.5	0.08	4.6
	58	21	---	0.08	0.08	58	22	0.10	0.04	0.14	58	23	---	0.02	0.02
	58	24	0.20	0.02	0.22	58	25	---	0.02	0.02	58	26	---	0.02	0.02
	58	27	---	0.01	0.01	58	28	---	<0.01	<0.01	58	29	---	<0.01	<0.01
	58	30	---	<0.01	<0.01	58	31	---	<0.01	<0.01	58	36	---	0.01	0.01
	58	38	---	0.02	0.02	58	39	---	0.02	0.02	58	40	---	0.02	0.02
	58	41	---	0.01	0.01	58	42	0.07	0.01	0.08	58	43	---	0.01	0.01
	58	44	0.02	0.01	0.03	58	45	---	0.01	0.01	58	46	---	0.02	0.02
	58	47	---	0.02	0.02	58	48	0.18	0.02	0.20	58	49	---	0.01	0.01
	58	50	---	0.01	0.01	58	51	---	0.01	0.01	58	52	0.25	0.01	0.26
	58	53	1.4	0.01	1.4	58	54	1.8	0.01	1.9	58	55	0.23	<0.01	0.24
	58	56	---	<0.01	<0.01	58	57	0.12	<0.01	0.12	58	58	---	<0.01	<0.01
	59	13	---	0.01	0.01	59	14	---	0.02	0.02	59	15	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	59	16	---	0.02	0.02	59	17	0.10	0.02	0.12	59	18	---	0.05	0.05
	59	19	---	0.08	0.08	59	20	---	0.08	0.08	59	21	0.10	0.06	0.16
	59	22	---	<0.01	<0.01	59	23	---	0.01	0.01	59	24	---	0.02	0.02
	59	25	---	<0.01	<0.01	59	26	---	0.01	0.01	59	27	---	<0.01	<0.01
	59	28	---	<0.01	<0.01	59	29	---	<0.01	<0.01	59	30	---	<0.01	<0.01
	59	31	---	<0.01	<0.01	59	32	---	<0.01	<0.01	59	38	---	0.01	0.01
	59	39	---	0.02	0.02	59	40	0.05	0.02	0.06	59	41	0.03	---	0.03
	59	42	0.31	0.01	0.32	59	43	---	0.01	0.01	59	44	---	0.02	0.02
	59	45	---	0.01	0.01	59	46	---	0.02	0.02	59	47	---	0.02	0.02
	59	48	---	0.01	0.01	59	49	---	0.01	0.01	59	50	---	0.01	0.01
	59	51	---	0.01	0.01	59	52	0.52	0.01	0.53	59	53	0.80	0.01	0.81
	59	54	0.40	0.01	0.41	59	55	---	0.01	0.01	59	56	---	<0.01	<0.01
	59	57	---	<0.01	<0.01	59	77	0.02	---	0.02	60	13	---	0.01	0.01
	60	14	---	0.02	0.02	60	15	---	0.02	0.02	60	16	0.90	0.02	0.92
	60	17	---	0.02	0.02	60	18	---	0.02	0.02	60	19	---	0.05	0.05
	60	20	---	0.07	0.07	60	21	---	<0.01	<0.01	60	23	---	<0.01	<0.01
	60	24	---	0.01	0.01	60	25	---	0.02	0.02	60	26	---	<0.01	<0.01
	60	27	---	<0.01	<0.01	60	28	---	<0.01	<0.01	60	29	---	<0.01	<0.01
	60	30	---	<0.01	<0.01	60	31	---	<0.01	<0.01	60	32	---	<0.01	<0.01
	60	33	---	<0.01	<0.01	60	39	---	0.01	0.01	60	40	---	0.01	0.01
	60	41	0.02	---	0.02	60	42	---	<0.01	<0.01	60	43	0.09	0.01	0.10
	60	44	---	0.01	0.01	60	45	---	0.01	0.01	60	46	---	<0.01	<0.01
	60	49	---	0.01	0.01	60	50	---	0.01	0.01	60	51	---	0.01	0.01
	60	52	---	0.01	0.01	60	53	---	0.01	0.01	60	54	---	0.01	0.01
	60	55	0.01	0.01	0.02	60	56	---	0.01	0.01	61	13	---	0.01	0.01
	61	14	---	0.02	0.02	61	15	0.10	0.02	0.12	61	16	---	0.02	0.02
	61	17	---	0.02	0.02	61	18	---	0.02	0.02	61	19	---	0.02	0.02
	61	20	---	0.01	0.01	61	21	0.50	---	0.50	61	24	0.10	---	0.10
	61	25	---	<0.01	<0.01	61	26	---	<0.01	<0.01	61	27	---	<0.01	<0.01
	61	28	2.6	<0.01	2.6	61	29	---	<0.01	<0.01	61	30	---	<0.01	<0.01
	61	31	---	<0.01	<0.01	61	32	---	<0.01	<0.01	61	44	0.05	---	0.05
	61	45	---	<0.01	<0.01	61	50	---	0.01	0.01	61	51	---	0.01	0.01
	61	52	---	0.01	0.01	61	53	---	0.01	0.01	61	54	---	0.01	0.01
	61	55	---	0.01	0.01	61	56	---	<0.01	<0.01	62	13	---	0.01	0.01
	62	14	---	0.02	0.02	62	15	---	0.02	0.02	62	16	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	62	17	---	0.03	0.03	62	18	---	0.03	0.03	62	19	---	0.01	0.01
	62	25	---	<0.01	<0.01	62	26	---	0.01	0.01	62	27	---	<0.01	<0.01
	62	28	---	<0.01	<0.01	62	29	---	<0.01	<0.01	62	30	---	<0.01	<0.01
	62	31	---	<0.01	<0.01	62	50	---	0.01	0.01	62	51	---	0.01	0.01
	62	52	---	0.01	0.01	62	53	---	0.01	0.01	62	54	---	0.01	0.01
	62	55	---	<0.01	<0.01	63	15	---	0.02	0.02	63	16	---	0.03	0.03
	63	17	0.20	0.03	0.23	63	18	---	0.03	0.03	63	19	---	0.01	0.01
	63	20	---	<0.01	<0.01	63	24	---	<0.01	<0.01	63	25	---	0.02	0.02
	63	26	1.3	0.02	1.3	63	27	---	0.01	0.01	63	28	---	<0.01	<0.01
	63	29	---	<0.01	<0.01	63	30	---	<0.01	<0.01	63	50	---	<0.01	<0.01
	63	51	---	0.01	0.01	63	52	---	0.01	0.01	63	53	---	0.01	0.01
	63	54	---	0.01	0.01	64	15	---	0.02	0.02	64	16	---	0.03	0.03
	64	17	---	0.03	0.03	64	18	---	0.03	0.03	64	19	---	0.03	0.03
	64	20	---	0.03	0.03	64	21	---	0.03	0.03	64	22	---	0.01	0.01
	64	24	---	0.01	0.01	64	25	---	0.02	0.02	64	26	---	0.02	0.02
	64	27	---	0.02	0.02	64	28	---	0.01	0.01	64	29	---	<0.01	<0.01
	64	30	---	<0.01	<0.01	64	52	---	0.01	0.01	64	53	---	0.01	0.01
	65	15	---	0.03	0.03	65	16	---	0.03	0.03	65	17	---	0.03	0.03
	65	18	---	0.03	0.03	65	19	---	0.03	0.03	65	20	---	0.03	0.03
	65	21	0.60	0.03	0.63	65	22	---	0.01	0.01	65	23	---	0.01	0.01
	65	24	---	0.02	0.02	65	25	---	0.02	0.02	65	26	---	0.02	0.02
	65	27	---	0.02	0.02	65	28	---	0.02	0.02	65	29	---	0.02	0.02
	65	30	---	<0.01	<0.01	66	15	---	0.02	0.02	66	16	---	0.03	0.03
	66	17	---	0.03	0.03	66	18	---	0.03	0.03	66	19	---	0.03	0.03
	66	20	---	0.03	0.03	66	21	---	0.01	0.01	66	22	---	0.01	0.01
	66	23	---	0.01	0.01	66	24	---	0.01	0.01	66	25	---	0.02	0.02
	66	26	---	0.02	0.02	66	27	---	0.02	0.02	66	28	---	0.02	0.02
	66	29	---	0.02	0.02	66	30	---	0.01	0.01	67	17	---	0.03	0.03
	67	18	---	0.03	0.03	67	19	---	0.03	0.03	67	20	---	0.03	0.03
	67	21	0.20	0.02	0.22	67	22	---	0.01	0.01	67	23	---	0.01	0.01
	67	24	0.20	0.01	0.21	67	25	---	0.01	0.01	67	26	---	0.02	0.02
	67	27	---	0.02	0.02	67	28	---	0.02	0.02	67	29	---	0.02	0.02
	67	30	---	0.01	0.01	68	17	---	0.02	0.02	68	18	---	0.03	0.03
	68	19	---	0.03	0.03	68	20	---	0.03	0.03	68	21	---	0.02	0.02
	68	22	---	0.01	0.01	68	23	---	0.01	0.01	68	24	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	68	25	---	0.01	0.01	68	26	---	0.01	0.01	68	27	---	0.02	0.02
	68	28	---	0.02	0.02	68	29	---	0.02	0.02	68	30	---	0.02	0.02
	68	31	---	<0.01	<0.01	69	17	---	<0.01	<0.01	69	18	---	0.03	0.03
	69	19	---	0.03	0.03	69	20	0.20	0.03	0.23	69	21	---	0.02	0.02
	69	22	---	0.01	0.01	69	23	---	0.01	0.01	69	24	---	0.01	0.01
	69	25	---	0.01	0.01	69	26	---	0.01	0.01	69	27	---	0.01	0.01
	69	28	---	0.02	0.02	69	29	---	0.02	0.02	69	30	---	0.02	0.02
	69	31	0.10	0.02	0.12	69	32	---	0.02	0.02	69	33	---	0.01	0.01
	69	36	11	---	11	70	17	---	0.01	0.01	70	18	---	0.03	0.03
	70	19	---	0.03	0.03	70	20	---	0.03	0.03	70	21	1.3	0.03	1.3
	70	22	---	0.01	0.01	70	23	---	0.01	0.01	70	24	---	0.02	0.02
	70	25	---	0.02	0.02	70	26	---	0.02	0.02	70	27	---	0.02	0.02
	70	28	---	0.02	0.02	70	29	0.10	0.02	0.12	70	30	---	0.02	0.02
	70	31	---	0.02	0.02	70	32	---	0.02	0.02	70	33	---	0.02	0.02
	70	34	---	0.01	0.01	71	19	---	0.03	0.03	71	20	---	0.03	0.03
	71	21	---	0.03	0.03	71	22	---	0.03	0.03	71	23	---	0.03	0.03
	71	24	0.30	0.03	0.33	71	25	1.1	0.02	1.1	71	26	---	0.02	0.02
	71	27	---	0.02	0.02	71	28	---	0.02	0.02	71	29	---	0.02	0.02
	71	30	---	0.02	0.02	71	31	---	0.01	0.01	71	32	0.30	0.02	0.32
	71	33	---	0.02	0.02	71	34	---	0.02	0.02	71	35	0.10	0.01	0.11
	71	36	---	0.01	0.01	71	37	---	<0.01	<0.01	71	38	---	0.01	0.01
	72	19	---	0.03	0.03	72	20	---	0.03	0.03	72	21	---	0.03	0.03
	72	22	---	0.03	0.03	72	23	---	0.03	0.03	72	24	---	0.02	0.02
	72	25	1.9	0.02	1.9	72	26	9.6	0.02	9.6	72	27	---	0.02	0.02
	72	28	---	0.02	0.02	72	29	---	0.02	0.02	72	30	---	0.01	0.01
	72	31	---	0.01	0.01	72	32	---	0.01	0.01	72	33	---	0.02	0.02
	72	34	---	0.02	0.02	72	35	---	0.02	0.02	72	36	---	0.01	0.01
	72	37	---	0.01	0.01	72	38	---	0.01	0.01	72	39	---	<0.01	<0.01
	73	17	---	0.01	0.01	73	18	---	0.01	0.01	73	19	---	0.02	0.02
	73	20	---	0.03	0.03	73	21	---	0.03	0.03	73	22	---	0.03	0.03
	73	23	---	0.02	0.02	73	24	---	0.02	0.02	73	25	---	0.02	0.02
	73	26	0.70	0.02	0.72	73	27	0.70	0.02	0.72	73	28	---	0.02	0.02
	73	29	---	0.02	0.02	73	30	---	0.02	0.02	73	31	---	0.02	0.02
	73	32	---	0.02	0.02	73	33	---	0.02	0.02	73	34	---	0.01	0.01
	73	35	---	0.02	0.02	73	36	---	0.01	0.01	73	37	4.7	0.01	4.7

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	73	38	1.7	0.01	1.7	73	39	---	0.01	0.01	74	17	---	0.01	0.01
	74	18	---	0.01	0.01	74	19	---	0.01	0.01	74	20	---	0.05	0.05
	74	21	1.4	0.05	1.4	74	22	---	0.08	0.08	74	23	---	0.03	0.03
	74	24	---	0.02	0.02	74	25	---	0.02	0.02	74	26	---	0.02	0.02
	74	27	---	0.02	0.02	74	28	---	0.02	0.02	74	29	0.10	0.02	0.12
	74	30	---	0.02	0.02	74	31	---	0.02	0.02	74	32	---	0.02	0.02
	74	33	1.2	0.02	1.2	74	34	---	0.02	0.02	74	35	---	0.01	0.01
	74	36	---	0.01	0.01	74	37	---	0.01	0.01	74	38	11	0.01	11
	74	39	---	0.01	0.01	74	40	---	0.01	0.01	75	17	---	0.01	0.01
	75	18	---	0.01	0.01	75	19	---	0.03	0.03	75	20	---	0.09	0.09
	75	21	---	0.09	0.09	75	22	---	0.09	0.09	75	23	---	0.08	0.08
	75	24	0.60	0.04	0.64	75	25	---	0.02	0.02	75	26	---	0.02	0.02
	75	27	---	0.02	0.02	75	28	---	0.01	0.01	75	29	---	0.02	0.02
	75	30	0.50	0.02	0.52	75	31	---	0.02	0.02	75	32	---	0.02	0.02
	75	33	---	0.02	0.02	75	34	0.20	0.03	0.23	75	35	---	0.01	0.01
	75	36	---	0.01	0.01	75	37	---	0.01	0.01	75	38	---	0.01	0.01
	75	39	---	0.01	0.01	75	40	---	0.01	0.01	76	17	---	0.01	0.01
	76	18	---	0.05	0.05	76	19	---	0.08	0.08	76	20	0.20	0.09	0.29
	76	21	0.80	0.09	0.89	76	22	---	0.09	0.09	76	23	---	0.09	0.09
	76	24	---	0.08	0.08	76	25	---	0.04	0.04	76	26	---	0.02	0.02
	76	27	---	0.02	0.02	76	28	---	0.01	0.01	76	29	---	0.01	0.01
	76	30	---	0.02	0.02	76	31	0.90	0.03	0.93	76	32	---	0.02	0.02
	76	33	---	0.02	0.02	76	34	---	0.02	0.02	76	35	---	0.02	0.02
	76	36	---	0.01	0.01	76	37	0.10	0.01	0.11	76	38	---	0.01	0.01
	76	39	---	0.01	0.01	76	40	---	<0.01	<0.01	77	17	---	0.01	0.01
	77	18	---	0.73	0.73	77	19	---	0.19	0.19	77	20	---	0.09	0.09
	77	21	0.80	0.09	0.89	77	22	2.6	0.09	2.7	77	23	---	0.09	0.09
	77	24	---	0.09	0.09	77	25	---	0.07	0.07	77	26	---	0.01	0.01
	77	27	---	<0.01	<0.01	77	28	---	0.01	0.01	77	29	---	0.01	0.01
	77	30	---	0.02	0.02	77	31	---	0.02	0.02	77	32	---	0.03	0.03
	77	33	---	0.03	0.03	77	34	0.10	0.03	0.13	77	35	---	0.03	0.03
	77	36	---	0.03	0.03	77	37	---	0.03	0.03	77	38	---	0.03	0.03
	77	39	---	<0.01	<0.01	78	17	---	0.01	0.01	78	18	5.0	0.81	5.8
	78	19	---	0.70	0.70	78	20	---	0.12	0.12	78	21	0.30	0.09	0.39
	78	22	---	0.09	0.09	78	23	---	0.09	0.09	78	24	---	0.08	0.08

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	78	25	0.50	0.02	0.52	78	26	---	0.02	0.02	78	27	---	0.01	0.01
	78	28	---	0.02	0.02	78	29	---	0.02	0.02	78	30	---	0.02	0.02
	78	31	---	0.02	0.02	78	32	---	0.03	0.03	78	33	5.1	0.03	5.1
	78	34	0.10	0.03	0.13	78	35	---	0.03	0.03	78	36	---	0.03	0.03
	78	37	0.10	0.03	0.13	78	38	---	0.03	0.03	78	39	---	0.02	0.02
	79	17	---	0.81	0.81	79	18	0.20	0.81	1.0	79	19	---	0.78	0.78
	79	20	---	0.18	0.18	79	21	---	0.09	0.09	79	22	---	0.09	0.09
	79	23	---	0.08	0.08	79	24	---	0.03	0.03	79	25	---	0.02	0.02
	79	26	---	0.02	0.02	79	27	---	0.01	0.01	79	28	2.2	0.02	2.2
	79	29	---	0.02	0.02	79	30	---	0.01	0.01	79	31	---	0.02	0.02
	79	32	0.10	0.02	0.12	79	33	---	0.02	0.02	79	34	---	0.03	0.03
	79	35	---	0.03	0.03	79	36	---	0.03	0.03	79	37	---	0.03	0.03
	79	38	---	0.03	0.03	79	39	---	0.03	0.03	79	40	---	0.02	0.02
	79	41	---	<0.01	<0.01	80	17	---	0.44	0.44	80	18	---	0.81	0.81
	80	19	---	0.81	0.81	80	20	---	0.78	0.78	80	21	---	0.26	0.26
	80	22	---	0.08	0.08	80	23	---	0.03	0.03	80	24	0.80	0.01	0.81
	80	25	---	0.01	0.01	80	26	---	0.01	0.01	80	27	---	0.02	0.02
	80	28	---	0.02	0.02	80	29	---	0.02	0.02	80	30	0.10	0.01	0.11
	80	31	0.70	0.02	0.72	80	32	---	0.02	0.02	80	33	---	0.01	0.01
	80	35	0.20	0.03	0.23	80	36	---	0.03	0.03	80	37	---	0.03	0.03
	80	38	---	0.03	0.03	80	39	---	0.02	0.02	80	40	---	0.03	0.03
	80	41	---	0.02	0.02	81	15	---	0.05	0.05	81	16	---	0.20	0.20
	81	17	---	0.20	0.20	81	18	---	0.64	0.64	81	19	---	0.81	0.81
	81	20	---	0.81	0.81	81	21	---	0.78	0.78	81	22	0.60	0.11	0.71
	81	23	0.10	0.01	0.11	81	24	---	0.01	0.01	81	25	---	0.01	0.01
	81	26	---	0.01	0.01	81	27	---	0.01	0.01	81	28	---	0.01	0.01
	81	29	---	0.01	0.01	81	30	0.10	0.02	0.12	81	31	---	0.02	0.02
	81	32	---	0.02	0.02	81	33	---	0.02	0.02	81	34	---	0.02	0.02
	81	35	3.3	0.03	3.3	81	36	0.80	0.03	0.83	81	37	---	0.03	0.03
	81	38	---	0.03	0.03	81	39	---	0.03	0.03	81	40	---	0.03	0.03
	81	41	---	0.02	0.02	82	15	---	0.05	0.05	82	16	---	0.20	0.20
	82	17	---	0.20	0.20	82	18	---	0.40	0.40	82	19	---	0.81	0.81
	82	20	0.10	0.81	0.91	82	21	---	0.46	0.46	82	22	---	<0.01	<0.01
	82	23	---	0.01	0.01	82	24	0.20	0.01	0.21	82	25	0.90	0.01	0.91
	82	26	---	0.01	0.01	82	27	---	0.01	0.01	82	28	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	82	29	---	0.02	0.02	82	30	0.20	0.02	0.22	82	31	---	0.02	0.02
	82	32	---	0.02	0.02	82	33	0.10	0.02	0.12	82	34	---	0.02	0.02
	82	35	9.7	0.02	9.7	82	36	---	0.03	0.03	82	37	---	0.03	0.03
	82	38	0.20	0.03	0.23	82	39	---	0.03	0.03	82	40	---	0.03	0.03
	82	41	---	0.01	0.01	83	15	---	0.05	0.05	83	16	---	0.20	0.20
	83	17	---	0.20	0.20	83	18	---	0.55	0.55	83	19	---	0.81	0.81
	83	20	---	0.54	0.54	83	25	---	0.01	0.01	83	26	---	0.01	0.01
	83	27	---	0.02	0.02	83	28	3.0	0.02	3.0	83	29	0.70	0.01	0.71
	83	30	---	0.02	0.02	83	31	---	0.02	0.02	83	32	---	0.02	0.02
	83	33	---	0.02	0.02	83	34	---	0.02	0.02	83	35	---	0.02	0.02
	83	36	---	0.01	0.01	83	37	---	0.02	0.02	83	38	---	0.02	0.02
	83	39	---	0.01	0.01	83	40	2.3	0.03	2.3	83	41	---	0.01	0.01
	84	15	---	0.01	0.01	84	16	---	0.19	0.19	84	17	---	0.20	0.20
	84	18	---	0.23	0.23	84	19	---	0.41	0.41	84	20	---	0.11	0.11
	84	21	---	0.01	0.01	84	26	---	<0.01	<0.01	84	27	---	0.01	0.01
	84	28	---	0.01	0.01	84	29	---	0.01	0.01	84	30	---	0.02	0.02
	84	31	---	0.01	0.01	84	32	---	0.02	0.02	84	33	---	0.02	0.02
	84	34	---	0.02	0.02	84	35	---	0.01	0.01	84	38	---	<0.01	<0.01
	84	39	---	<0.01	<0.01	84	40	---	0.01	0.01	84	41	---	<0.01	<0.01
	85	16	---	0.03	0.03	85	17	---	0.18	0.18	85	18	---	0.15	0.15
	85	19	---	0.03	0.03	85	20	---	0.09	0.09	85	21	---	0.06	0.06
	85	40	---	0.01	0.01	86	17	---	0.02	0.02	86	18	---	0.01	0.01
	86	40	---	0.01	0.01	87	19	---	0.01	0.01	87	39	---	0.02	0.02
	87	40	---	<0.01	<0.01	88	18	---	0.02	0.02	88	19	---	0.05	0.05
	88	20	---	0.03	0.03	88	39	---	0.05	0.05	89	17	---	0.02	0.02
	89	18	---	0.05	0.05	89	39	---	0.04	0.04	90	16	---	0.01	0.01
	90	17	---	0.05	0.05	90	18	---	0.05	0.05	91	12	---	0.09	0.09
	91	13	---	0.03	0.03	91	15	---	0.01	0.01	91	16	---	0.05	0.05
	91	17	---	0.05	0.05	91	18	---	0.04	0.04	92	12	---	0.03	0.03
	92	13	---	0.09	0.09	92	14	---	0.04	0.04	92	15	---	0.04	0.04
	92	16	---	0.05	0.05	92	17	---	0.05	0.05	92	18	---	0.04	0.04
	92	39	---	0.01	0.01	92	40	---	<0.01	<0.01	93	11	---	0.06	0.06
	93	12	---	0.07	0.07	93	13	---	0.09	0.09	93	14	---	0.04	0.04
	93	15	---	0.05	0.05	93	16	---	0.04	0.04	93	17	---	0.03	0.03
	93	18	---	0.03	0.03	93	19	---	0.03	0.03	93	20	0.10	0.03	0.13

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	93	38	---	0.02	0.02	93	39	---	0.04	0.04	94	11	---	0.11	0.11
	94	12	---	0.10	0.10	94	13	---	0.04	0.04	94	14	---	0.04	0.04
	94	15	0.10	0.04	0.14	94	16	---	0.03	0.03	94	17	---	0.03	0.03
	94	18	---	0.03	0.03	94	19	---	0.03	0.03	94	20	---	0.03	0.03
	94	38	---	0.02	0.02	94	39	---	0.04	0.04	95	11	---	0.11	0.11
	95	12	---	0.04	0.04	95	13	---	0.04	0.04	95	14	---	0.04	0.04
	95	15	---	0.04	0.04	95	16	---	0.02	0.02	95	17	---	0.03	0.03
	95	18	---	0.03	0.03	95	19	0.10	0.03	0.13	95	20	---	0.03	0.03
	95	38	---	0.03	0.03	95	39	---	0.03	0.03	96	11	---	0.05	0.05
	96	12	---	0.04	0.04	96	13	---	0.04	0.04	96	14	---	0.04	0.04
	96	15	---	0.04	0.04	96	16	0.10	0.01	0.11	96	17	---	<0.01	<0.01
	96	18	---	0.03	0.03	96	19	---	0.03	0.03	96	20	---	0.01	0.01
	96	38	---	0.04	0.04	96	39	---	0.02	0.02	97	11	---	0.02	0.02
	97	12	---	0.04	0.04	97	13	---	0.04	0.04	97	14	---	0.04	0.04
	97	15	---	0.04	0.04	97	16	---	0.01	0.01	97	18	---	<0.01	<0.01
	97	37	---	0.01	0.01	97	38	---	0.02	0.02	97	39	---	0.01	0.01
	98	12	---	0.02	0.02	98	13	---	0.04	0.04	98	14	---	0.04	0.04
	98	15	---	0.04	0.04	99	13	---	0.01	0.01	99	14	0.10	0.04	0.14
	99	15	---	0.05	0.05	99	16	---	0.03	0.03	100	13	0.30	0.01	0.31
	100	14	---	0.06	0.06	100	15	---	0.06	0.06	100	16	---	0.06	0.06
	100	17	---	0.04	0.04	100	18	---	<0.01	<0.01	101	11	---	<0.01	<0.01
	101	12	---	0.04	0.04	101	13	---	0.06	0.06	101	14	---	0.06	0.06
	101	15	---	0.06	0.06	101	16	---	0.06	0.06	101	17	---	0.06	0.06
	101	18	---	0.05	0.05	101	29	---	0.01	0.01	101	30	---	0.01	0.01
	101	33	---	0.04	0.04	101	36	0.10	---	0.10	102	9	---	<0.01	<0.01
	102	10	---	0.02	0.02	102	11	---	0.05	0.05	102	12	---	0.06	0.06
	102	13	---	0.06	0.06	102	14	---	0.06	0.06	102	15	---	0.06	0.06
	102	16	---	0.06	0.06	102	17	---	0.06	0.06	102	18	---	0.06	0.06
	102	29	---	0.03	0.03	102	30	---	0.03	0.03	102	31	---	0.02	0.02
	102	32	---	0.04	0.04	103	11	---	0.06	0.06	103	12	---	0.06	0.06
	103	13	---	0.06	0.06	103	14	---	0.06	0.06	103	15	---	0.06	0.06
	103	16	---	0.06	0.06	103	17	---	0.06	0.06	103	18	---	0.06	0.06
	103	21	---	0.01	0.01	103	24	---	0.01	0.01	103	25	---	0.03	0.03
	103	26	---	0.03	0.03	103	27	---	0.03	0.03	103	28	---	0.03	0.03
	103	29	---	0.03	0.03	103	30	---	0.03	0.03	103	31	---	0.03	0.03

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	103	32	---	0.02	0.02	103	33	---	0.04	0.04	103	34	---	0.03	0.03
	104	11	---	0.03	0.03	104	12	---	0.04	0.04	104	13	---	0.04	0.04
	104	14	---	0.06	0.06	104	15	---	0.06	0.06	104	16	---	0.06	0.06
	104	17	---	0.06	0.06	104	18	---	0.05	0.05	104	21	---	0.05	0.05
	104	22	---	0.02	0.02	104	23	---	0.01	0.01	104	24	---	0.03	0.03
	104	25	---	0.03	0.03	104	26	---	0.03	0.03	104	27	---	0.03	0.03
	104	28	---	0.03	0.03	104	29	---	0.03	0.03	104	30	---	0.03	0.03
	104	31	---	0.02	0.02	104	32	---	0.03	0.03	104	33	---	0.07	0.07
	104	34	---	<0.01	<0.01	105	14	---	0.01	0.01	105	15	---	0.06	0.06
	105	16	---	0.06	0.06	105	17	---	0.05	0.05	105	18	---	0.05	0.05
	105	19	---	0.05	0.05	105	20	---	0.05	0.05	105	21	---	0.05	0.05
	105	22	---	0.05	0.05	105	23	---	0.04	0.04	105	24	---	0.03	0.03
	105	25	---	0.03	0.03	105	26	---	0.03	0.03	105	27	---	0.03	0.03
	105	28	---	0.03	0.03	105	29	---	0.03	0.03	105	30	---	0.02	0.02
	105	31	---	<0.01	<0.01	106	15	---	0.01	0.01	106	16	---	0.04	0.04
	106	17	---	0.05	0.05	106	18	---	0.05	0.05	106	19	---	0.05	0.05
	106	20	---	0.05	0.05	106	21	---	0.05	0.05	106	22	---	0.05	0.05
	106	23	---	0.05	0.05	106	24	---	0.04	0.04	106	25	---	0.03	0.03
	106	26	---	0.03	0.03	106	27	---	0.03	0.03	106	28	---	0.02	0.02
	106	29	---	0.01	0.01	107	17	---	0.02	0.02	107	18	---	0.05	0.05
	107	19	---	0.05	0.05	107	20	---	0.05	0.05	107	21	---	0.05	0.05
	107	22	---	0.05	0.05	107	23	---	0.05	0.05	107	24	---	0.05	0.05
	107	25	---	0.05	0.05	107	26	---	0.04	0.04	107	27	---	0.03	0.03
	107	28	---	0.01	0.01	107	29	---	0.01	0.01	108	17	---	0.01	0.01
	108	18	---	0.02	0.02	108	19	---	0.04	0.04	108	20	---	0.05	0.05
	108	21	---	0.05	0.05	108	22	---	0.05	0.05	108	23	---	0.05	0.05
	108	24	---	0.05	0.05	108	25	---	0.05	0.05	108	26	---	0.05	0.05
	108	27	---	0.03	0.03	109	17	---	0.01	0.01	109	18	---	0.02	0.02
	109	19	---	0.01	0.01	109	20	---	0.01	0.01	109	21	---	0.02	0.02
	109	22	---	0.02	0.02	109	23	---	0.04	0.04	109	24	---	0.01	0.01
	109	25	---	0.01	0.01	109	26	---	0.02	0.02	110	16	---	<0.01	<0.01
	110	17	---	0.01	0.01	110	18	---	0.02	0.02	110	19	---	0.01	0.01
	110	20	---	0.01	0.01	110	21	---	0.01	0.01	110	22	---	<0.01	<0.01
	111	15	---	<0.01	<0.01	111	16	---	0.01	0.01	111	17	---	0.01	0.01
	111	18	---	0.01	0.01	111	19	---	0.01	0.01	111	20	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	111	21	---	0.02	0.02	111	22	---	0.01	0.01	112	15	---	<0.01	<0.01
	112	16	---	0.01	0.01	112	17	---	0.01	0.01	112	18	---	0.01	0.01
	112	19	---	0.01	0.01	112	20	---	0.01	0.01	112	21	---	0.01	0.01
	113	18	---	0.01	0.01	113	19	---	<0.01	<0.01	113	20	---	0.01	0.01
	113	21	---	0.01	0.01	114	18	---	0.01	0.01	114	19	---	0.01	0.01
	114	20	---	0.01	0.01	114	21	---	0.01	0.01	115	18	---	<0.01	<0.01
	115	19	---	0.02	0.02	115	20	---	0.02	0.02	115	21	---	0.01	0.01
	115	22	---	0.01	0.01	115	23	---	<0.01	<0.01	116	18	---	0.01	0.01
	116	19	---	0.02	0.02	116	20	---	0.02	0.02	116	21	---	0.02	0.02
	116	22	---	0.02	0.02	116	23	---	0.01	0.01	117	18	---	0.01	0.01
	117	19	---	0.02	0.02	117	20	---	0.02	0.02	117	21	---	0.02	0.02
	117	22	---	0.02	0.02	117	23	---	0.01	0.01	118	18	---	0.01	0.01
	118	19	---	0.02	0.02	118	20	---	0.02	0.02	118	21	---	0.02	0.02
	118	22	---	0.02	0.02	118	23	---	0.02	0.02	118	24	---	0.01	0.01
	118	25	---	0.03	0.03	118	26	---	0.01	0.01	119	19	---	0.02	0.02
	119	20	---	0.02	0.02	119	21	0.20	0.02	0.22	119	22	---	0.02	0.02
	119	23	---	0.02	0.02	119	24	---	0.04	0.04	119	25	---	0.05	0.05
	119	26	---	0.04	0.04	119	27	---	0.02	0.02	120	19	---	0.02	0.02
	120	20	---	0.02	0.02	120	21	---	0.02	0.02	120	22	---	0.02	0.02
	120	23	---	0.03	0.03	120	24	---	0.05	0.05	120	25	---	0.05	0.05
	120	26	---	0.05	0.05	120	27	---	0.01	0.01	121	19	---	0.02	0.02
	121	20	---	0.02	0.02	121	21	---	0.02	0.02	121	22	---	0.02	0.02
	121	23	---	0.05	0.05	121	24	---	0.05	0.05	121	25	0.70	0.05	0.75
	121	26	---	0.04	0.04	122	19	---	0.02	0.02	122	20	---	0.02	0.02
	122	21	---	0.02	0.02	122	22	---	0.02	0.02	122	23	---	0.05	0.05
	122	24	---	0.05	0.05	122	25	---	0.05	0.05	122	26	---	0.02	0.02
	123	19	---	<0.01	<0.01	123	20	---	0.01	0.01	123	21	---	0.02	0.02
	123	22	---	0.03	0.03	123	23	---	0.05	0.05	123	24	---	0.05	0.05
	123	25	---	0.04	0.04	124	21	---	<0.01	<0.01	124	22	---	0.02	0.02
	124	23	---	0.04	0.04	124	24	---	0.05	0.05	124	25	---	0.01	0.01
	125	22	---	0.08	0.08	125	24	---	0.05	0.05	126	23	---	0.15	0.15
	127	23	---	0.04	0.04	127	24	---	0.08	0.08	128	23	---	0.15	0.15
	129	21	---	6.4	6.4	129	22	0.20	2.5	2.7	129	23	---	0.76	0.76
	130	22	---	0.33	0.33	130	23	0.10	0.66	0.76	130	24	---	0.06	0.06
	131	22	---	0.13	0.13	131	23	---	0.09	0.09	131	24	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	132	21	---	0.06	0.06	132	23	---	0.07	0.07	132	26	0.20	---	0.20
	133	21	---	0.04	0.04	133	23	---	0.04	0.04	133	24	---	0.04	0.04
	134	23	---	0.13	0.13	135	24	0.10	0.06	0.16	135	25	---	0.06	0.06
	136	22	---	0.20	0.20	136	24	---	0.06	0.06	136	25	---	0.06	0.06
	137	24	---	0.06	0.06	137	25	0.80	0.07	0.87	138	24	---	0.06	0.06
	138	25	---	0.07	0.07	139	24	0.10	---	0.10	140	23	0.10	---	0.10
	140	25	0.10	0.01	0.11	141	25	0.70	0.01	0.71	142	25	0.10	0.01	0.11
	143	25	0.10	<0.01	0.10	144	26	---	0.03	0.03	145	27	0.10	0.03	0.13
	145	28	---	0.03	0.03	146	27	---	0.03	0.03	146	28	---	0.03	0.03
	147	27	---	0.03	0.03	147	28	---	0.03	0.03	149	28	---	0.03	0.03
	150	28	---	0.03	0.03	151	28	---	0.03	0.03	152	28	---	0.03	0.03
	155	26	0.20	---	0.20	156	26	0.10	---	0.10	158	25	0.10	---	0.10
	159	24	0.10	---	0.10	159	25	0.10	---	0.10	160	23	---	<0.01	<0.01
	160	24	---	<0.01	<0.01	160	25	---	<0.01	<0.01	160	26	---	<0.01	<0.01
	160	27	---	<0.01	<0.01	161	23	---	0.01	0.01	161	24	---	0.01	0.01
	161	25	---	0.01	0.01	161	26	---	0.01	0.01	161	27	---	0.01	0.01
	161	28	---	0.01	0.01	161	29	---	0.01	0.01	162	23	---	0.01	0.01
	162	24	0.70	0.01	0.71	162	25	0.20	0.01	0.21	162	26	---	0.01	0.01
	162	27	---	0.01	0.01	162	28	---	0.01	0.01	162	29	---	<0.01	<0.01
	163	21	---	0.01	0.01	163	22	---	0.01	0.01	163	23	---	0.01	0.01
	163	24	---	0.01	0.01	163	25	---	0.01	0.01	163	26	---	0.01	0.01
	163	27	---	0.01	0.01	163	28	---	0.01	0.01	163	29	---	<0.01	<0.01
	164	21	---	0.01	0.01	164	22	---	0.01	0.01	164	23	---	0.01	0.01
	164	24	---	0.01	0.01	164	25	---	0.01	0.01	164	26	0.30	0.01	0.31
	164	27	---	0.01	0.01	164	28	---	0.01	0.01	164	29	---	<0.01	<0.01
	165	21	---	<0.01	<0.01	165	22	---	0.01	0.01	165	23	---	0.01	0.01
	165	24	---	0.01	0.01	165	25	---	0.01	0.01	165	26	---	0.01	0.01
	165	27	---	0.01	0.01	165	28	---	<0.01	<0.01	166	22	---	<0.01	<0.01
	166	23	---	0.01	0.01	166	24	---	0.01	0.01	166	25	---	0.01	0.01
	166	26	---	0.01	0.01	166	27	---	<0.01	<0.01	167	23	---	<0.01	<0.01
	167	24	---	0.01	0.01	167	25	---	0.01	0.01	167	26	---	<0.01	<0.01
	168	24	---	<0.01	<0.01	168	25	---	<0.01	<0.01	173	23	---	0.34	0.34
	174	22	---	0.37	0.37	174	24	---	1.0	1.0	174	30	---	<0.01	<0.01
	174	31	---	<0.01	<0.01	175	29	---	<0.01	<0.01	175	30	---	<0.01	<0.01
	175	31	---	<0.01	<0.01	175	32	---	<0.01	<0.01	176	24	---	0.34	0.34

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	176	28	---	<0.01	<0.01	176	29	---	<0.01	<0.01	176	30	---	<0.01	<0.01
	176	31	---	<0.01	<0.01	176	32	---	<0.01	<0.01	176	33	---	<0.01	<0.01
	177	27	---	<0.01	<0.01	177	28	---	<0.01	<0.01	177	29	---	<0.01	<0.01
	177	30	---	<0.01	<0.01	177	31	---	<0.01	<0.01	177	32	---	<0.01	<0.01
	177	33	---	<0.01	<0.01	177	34	---	<0.01	<0.01	178	24	---	<0.01	<0.01
	178	25	---	<0.01	<0.01	178	26	---	<0.01	<0.01	178	27	---	<0.01	<0.01
	178	28	---	<0.01	<0.01	178	29	---	<0.01	<0.01	178	30	---	<0.01	<0.01
	178	31	---	<0.01	<0.01	178	32	---	<0.01	<0.01	178	33	---	<0.01	<0.01
	178	34	---	<0.01	<0.01	178	35	---	<0.01	<0.01	179	23	---	<0.01	<0.01
	179	24	---	<0.01	<0.01	179	25	---	<0.01	<0.01	179	26	---	1.0	1.0
	179	27	---	<0.01	<0.01	179	28	---	<0.01	<0.01	179	29	---	<0.01	<0.01
	179	30	---	<0.01	<0.01	179	31	---	<0.01	<0.01	179	32	---	<0.01	<0.01
	179	33	---	<0.01	<0.01	179	34	---	<0.01	<0.01	179	35	---	<0.01	<0.01
	179	36	---	<0.01	<0.01	180	22	---	<0.01	<0.01	180	23	---	<0.01	<0.01
	180	24	---	<0.01	<0.01	180	25	---	<0.01	<0.01	180	26	---	<0.01	<0.01
	180	27	---	<0.01	<0.01	180	28	---	<0.01	<0.01	180	29	---	<0.01	<0.01
	180	30	---	<0.01	<0.01	180	31	---	<0.01	<0.01	180	32	---	<0.01	<0.01
	180	33	---	<0.01	<0.01	180	34	---	<0.01	<0.01	180	35	---	<0.01	<0.01
	180	36	---	<0.01	<0.01	180	37	---	<0.01	<0.01	181	21	---	<0.01	<0.01
	181	22	---	<0.01	<0.01	181	23	---	<0.01	<0.01	181	24	---	<0.01	<0.01
	181	25	---	<0.01	<0.01	181	26	---	<0.01	<0.01	181	27	---	<0.01	<0.01
	181	28	---	<0.01	<0.01	181	29	---	<0.01	<0.01	181	30	---	<0.01	<0.01
	181	31	---	<0.01	<0.01	181	32	---	<0.01	<0.01	181	33	---	<0.01	<0.01
	181	34	---	<0.01	<0.01	181	35	---	<0.01	<0.01	181	36	---	<0.01	<0.01
	181	37	---	<0.01	<0.01	181	38	---	<0.01	<0.01	182	20	---	<0.01	<0.01
	182	21	---	<0.01	<0.01	182	22	---	<0.01	<0.01	182	23	---	<0.01	<0.01
	182	24	---	<0.01	<0.01	182	25	---	<0.01	<0.01	182	26	---	<0.01	<0.01
	182	27	---	<0.01	<0.01	182	28	---	<0.01	<0.01	182	29	---	<0.01	<0.01
	182	30	---	<0.01	<0.01	182	31	---	<0.01	<0.01	182	32	---	<0.01	<0.01
	182	33	---	<0.01	<0.01	182	34	---	<0.01	<0.01	182	35	---	<0.01	<0.01
	182	36	---	<0.01	<0.01	182	37	---	<0.01	<0.01	182	38	---	<0.01	<0.01
	183	19	---	<0.01	<0.01	183	20	---	<0.01	<0.01	183	21	---	<0.01	<0.01
	183	22	---	<0.01	<0.01	183	23	---	<0.01	<0.01	183	24	---	<0.01	<0.01
	183	25	---	<0.01	<0.01	183	26	---	<0.01	<0.01	183	27	---	<0.01	<0.01
	183	28	---	<0.01	<0.01	183	29	---	<0.01	<0.01	183	30	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
5	183	31	---	<0.01	<0.01	183	32	---	<0.01	<0.01	183	33	---	<0.01	<0.01
	183	34	---	<0.01	<0.01	183	35	---	<0.01	<0.01	183	36	---	<0.01	<0.01
	183	37	---	<0.01	<0.01	184	19	---	<0.01	<0.01	184	20	---	<0.01	<0.01
	184	21	---	<0.01	<0.01	184	22	---	<0.01	<0.01	184	23	---	<0.01	<0.01
	184	24	---	<0.01	<0.01	184	25	---	<0.01	<0.01	184	26	---	<0.01	<0.01
	184	27	---	<0.01	<0.01	184	28	---	<0.01	<0.01	184	29	---	<0.01	<0.01
	184	30	---	<0.01	<0.01	184	31	---	<0.01	<0.01	184	32	---	<0.01	<0.01
	184	33	---	<0.01	<0.01	184	34	---	<0.01	<0.01	184	35	---	<0.01	<0.01
	184	36	---	<0.01	<0.01	185	21	---	<0.01	<0.01	185	22	---	<0.01	<0.01
	185	23	---	<0.01	<0.01	185	24	---	<0.01	<0.01	185	25	---	<0.01	<0.01
	185	26	---	<0.01	<0.01	185	27	---	<0.01	<0.01	185	28	---	<0.01	<0.01
	185	29	---	<0.01	<0.01	185	30	---	<0.01	<0.01	185	31	---	<0.01	<0.01
	185	32	---	<0.01	<0.01	185	33	---	<0.01	<0.01	185	34	---	<0.01	<0.01
	185	35	---	<0.01	<0.01	186	24	---	<0.01	<0.01	186	25	---	<0.01	<0.01
	186	26	---	<0.01	<0.01	186	27	---	<0.01	<0.01	186	31	---	<0.01	<0.01
	186	32	---	<0.01	<0.01	186	33	---	<0.01	<0.01	186	34	---	<0.01	<0.01
	187	32	---	<0.01	<0.01	187	33	---	<0.01	<0.01	190	42	---	<0.01	<0.01
	191	42	---	<0.01	<0.01	191	43	---	0.01	0.01	191	46	---	0.01	0.01
	192	44	---	<0.01	<0.01	192	45	---	<0.01	<0.01	-	-	---	---	---
6	14	14	0.02	---	0.02	14	17	0.22	---	0.22	15	16	0.26	---	0.26
	15	18	0.15	---	0.15	17	19	0.73	---	0.73	19	20	0.14	---	0.14
	19	22	0.14	---	0.14	20	20	0.22	---	0.22	20	21	0.05	---	0.05
	26	20	---	0.03	0.03	27	22	0.15	---	0.15	32	24	---	0.23	0.23
	39	81	---	0.09	0.09	40	76	---	0.04	0.04	40	77	---	0.04	0.04
	40	78	---	0.04	0.04	40	81	---	0.07	0.07	41	75	---	0.04	0.04
	41	76	---	0.04	0.04	41	77	0.20	0.04	0.24	41	78	0.10	0.04	0.14
	41	79	---	0.04	0.04	41	80	---	0.04	0.04	41	81	---	0.04	0.04
	41	82	---	0.07	0.07	42	74	---	0.04	0.04	42	75	---	0.04	0.04
	42	76	---	0.04	0.04	42	77	---	0.04	0.04	42	78	---	0.04	0.04
	42	79	---	0.04	0.04	42	80	---	0.04	0.04	42	81	---	0.04	0.04
	43	78	---	0.04	0.04	43	79	---	0.04	0.04	45	69	---	<0.01	<0.01
	45	70	---	0.02	0.02	45	71	---	0.05	0.05	46	68	---	<0.01	<0.01
	46	69	---	<0.01	<0.01	46	70	---	<0.01	<0.01	46	71	---	0.01	0.01
	46	72	---	0.04	0.04	46	73	---	0.05	0.05	47	64	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	47	65	---	<0.01	<0.01	47	66	---	<0.01	<0.01	47	67	---	<0.01	<0.01
	47	68	---	<0.01	<0.01	47	69	---	<0.01	<0.01	47	70	---	<0.01	<0.01
	47	72	---	<0.01	<0.01	48	63	---	<0.01	<0.01	48	64	---	<0.01	<0.01
	48	65	---	<0.01	<0.01	48	66	---	<0.01	<0.01	48	67	---	<0.01	<0.01
	48	68	---	<0.01	<0.01	48	69	---	<0.01	<0.01	48	72	---	0.02	0.02
	49	28	---	<0.01	<0.01	49	29	---	<0.01	<0.01	49	30	---	<0.01	<0.01
	49	31	---	<0.01	<0.01	49	32	---	<0.01	<0.01	49	33	---	<0.01	<0.01
	49	34	---	<0.01	<0.01	49	45	---	<0.01	<0.01	49	46	---	<0.01	<0.01
	49	47	---	<0.01	<0.01	49	49	---	<0.01	<0.01	49	51	---	0.01	0.01
	49	56	---	0.01	0.01	49	57	---	0.01	0.01	49	58	---	0.01	0.01
	49	59	---	0.01	0.01	49	62	---	<0.01	<0.01	49	63	---	<0.01	<0.01
	49	64	---	<0.01	<0.01	49	65	---	<0.01	<0.01	49	66	---	<0.01	<0.01
	49	67	---	<0.01	<0.01	49	68	<0.01	<0.01	<0.01	49	69	---	<0.01	<0.01
	50	28	---	0.01	0.01	50	29	---	0.01	0.01	50	30	---	<0.01	<0.01
	50	31	0.06	<0.01	0.07	50	32	---	<0.01	<0.01	50	33	---	<0.01	<0.01
	50	34	1.3	<0.01	1.3	50	35	---	<0.01	<0.01	50	36	---	<0.01	<0.01
	50	44	---	<0.01	<0.01	50	45	---	<0.01	<0.01	50	46	---	<0.01	<0.01
	50	47	---	<0.01	<0.01	50	48	---	<0.01	<0.01	50	49	---	<0.01	<0.01
	50	50	---	0.01	0.01	50	51	---	0.01	0.01	50	52	---	0.01	0.01
	50	55	---	0.01	0.01	50	56	---	0.01	0.01	50	57	---	0.01	0.01
	50	58	---	0.01	0.01	50	59	---	0.01	0.01	50	60	---	0.01	0.01
	50	61	---	<0.01	<0.01	50	62	---	<0.01	<0.01	50	63	---	<0.01	<0.01
	50	64	---	<0.01	<0.01	50	65	---	<0.01	<0.01	50	66	0.15	<0.01	0.15
	50	67	0.15	<0.01	0.16	50	68	0.14	<0.01	0.14	51	27	---	<0.01	<0.01
	51	28	---	0.01	0.01	51	29	---	0.01	0.01	51	30	---	<0.01	<0.01
	51	31	---	<0.01	<0.01	51	32	---	<0.01	<0.01	51	33	---	<0.01	<0.01
	51	34	---	<0.01	<0.01	51	35	---	<0.01	<0.01	51	36	---	<0.01	<0.01
	51	42	---	<0.01	<0.01	51	43	---	<0.01	<0.01	51	44	---	<0.01	<0.01
	51	45	---	<0.01	<0.01	51	46	---	<0.01	<0.01	51	47	---	<0.01	<0.01
	51	48	---	<0.01	<0.01	51	49	---	0.01	0.01	51	50	---	0.01	0.01
	51	51	---	0.01	0.01	51	52	---	0.01	0.01	51	53	---	0.01	0.01
	51	54	---	0.01	0.01	51	55	---	0.01	0.01	51	56	---	0.01	0.01
	51	57	---	0.01	0.01	51	58	---	0.01	0.01	51	59	---	0.01	0.01
	51	60	---	0.01	0.01	51	62	---	<0.01	<0.01	51	63	---	<0.01	<0.01
	51	64	---	<0.01	<0.01	51	65	---	<0.01	<0.01	51	66	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	51	67	0.01	<0.01	0.01	51	68	0.16	---	0.16	52	28	---	<0.01	<0.01
	52	29	---	<0.01	<0.01	52	30	---	0.01	0.01	52	31	0.28	<0.01	0.29
	52	32	---	<0.01	<0.01	52	33	---	<0.01	<0.01	52	34	---	<0.01	<0.01
	52	35	---	<0.01	<0.01	52	36	---	<0.01	<0.01	52	40	---	<0.01	<0.01
	52	41	---	<0.01	<0.01	52	42	---	<0.01	<0.01	52	43	---	<0.01	<0.01
	52	44	---	<0.01	<0.01	52	45	---	<0.01	<0.01	52	46	---	<0.01	<0.01
	52	47	---	0.01	0.01	52	48	---	0.02	0.02	52	49	---	0.02	0.02
	52	50	---	0.01	0.01	52	51	---	0.01	0.01	52	52	---	0.01	0.01
	52	53	---	0.01	0.01	52	54	---	0.01	0.01	52	55	---	0.01	0.01
	52	56	---	0.01	0.01	52	57	---	0.01	0.01	52	58	---	0.01	0.01
	52	59	---	0.01	0.01	52	63	---	<0.01	<0.01	52	64	0.07	<0.01	0.07
	52	65	---	<0.01	<0.01	52	66	---	<0.01	<0.01	52	67	---	<0.01	<0.01
	53	18	---	<0.01	<0.01	53	19	---	<0.01	<0.01	53	20	---	<0.01	<0.01
	53	23	---	<0.01	<0.01	53	24	---	<0.01	<0.01	53	25	---	<0.01	<0.01
	53	27	---	<0.01	<0.01	53	28	---	<0.01	<0.01	53	29	---	0.01	0.01
	53	30	---	0.01	0.01	53	31	---	0.01	0.01	53	32	---	<0.01	<0.01
	53	33	---	<0.01	<0.01	53	34	---	<0.01	<0.01	53	35	---	<0.01	<0.01
	53	36	---	0.02	0.02	53	37	---	0.02	0.02	53	40	---	<0.01	<0.01
	53	41	---	<0.01	<0.01	53	42	---	<0.01	<0.01	53	43	---	<0.01	<0.01
	53	44	---	<0.01	<0.01	53	45	---	0.01	0.01	53	46	---	0.02	0.02
	53	47	---	0.02	0.02	53	48	---	0.02	0.02	53	49	---	0.02	0.02
	53	50	---	0.01	0.01	53	51	---	0.01	0.01	53	52	---	0.01	0.01
	53	53	---	0.01	0.01	53	54	0.04	0.01	0.05	53	55	---	0.01	0.01
	53	56	---	0.01	0.01	53	57	---	0.01	0.01	53	58	---	0.01	0.01
	53	59	---	<0.01	<0.01	53	64	---	<0.01	<0.01	53	65	0.09	<0.01	0.09
	53	66	---	<0.01	<0.01	53	68	0.80	---	0.80	54	18	---	<0.01	<0.01
	54	19	---	0.01	0.01	54	20	---	0.01	0.01	54	21	---	<0.01	<0.01
	54	22	---	<0.01	<0.01	54	23	---	0.01	0.01	54	24	---	0.01	0.01
	54	25	---	<0.01	<0.01	54	26	---	<0.01	<0.01	54	27	---	0.01	0.01
	54	28	---	0.01	0.01	54	29	---	0.01	0.01	54	30	---	0.01	0.01
	54	31	---	0.01	0.01	54	32	---	0.01	0.01	54	33	---	<0.01	<0.01
	54	34	---	<0.01	<0.01	54	35	---	0.02	0.02	54	36	---	0.02	0.02
	54	37	0.37	0.02	0.39	54	38	---	0.02	0.02	54	40	---	<0.01	<0.01
	54	41	---	<0.01	<0.01	54	42	---	<0.01	<0.01	54	43	---	<0.01	<0.01
	54	44	---	<0.01	<0.01	54	45	---	0.02	0.02	54	46	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	54	47	---	0.02	0.02	54	48	---	0.02	0.02	54	49	---	0.02	0.02
	54	50	---	0.01	0.01	54	51	---	0.01	0.01	54	52	---	0.01	0.01
	54	53	---	0.01	0.01	54	54	---	0.01	0.01	54	55	---	0.01	0.01
	54	56	---	0.01	0.01	54	57	---	0.01	0.01	54	58	---	0.01	0.01
	54	59	0.05	---	0.05	54	65	---	<0.01	<0.01	55	17	---	<0.01	<0.01
	55	18	---	0.01	0.01	55	19	---	0.01	0.01	55	20	---	0.01	0.01
	55	21	---	0.01	0.01	55	22	---	0.01	0.01	55	23	---	<0.01	<0.01
	55	24	---	<0.01	<0.01	55	25	---	<0.01	<0.01	55	26	---	<0.01	<0.01
	55	27	---	0.01	0.01	55	28	---	0.01	0.01	55	29	---	0.01	0.01
	55	30	---	0.01	0.01	55	31	---	0.01	0.01	55	32	---	<0.01	<0.01
	55	33	0.06	<0.01	0.06	55	34	0.01	0.01	0.02	55	35	3.1	0.02	3.1
	55	36	6.3	0.02	6.3	55	37	---	0.02	0.02	55	38	---	0.02	0.02
	55	39	---	0.02	0.02	55	40	---	0.02	0.02	55	41	---	0.01	0.01
	55	42	---	<0.01	<0.01	55	43	---	<0.01	<0.01	55	44	---	<0.01	<0.01
	55	45	---	0.01	0.01	55	46	---	0.02	0.02	55	47	---	0.02	0.02
	55	48	---	0.02	0.02	55	49	---	0.01	0.01	55	50	---	0.01	0.01
	55	51	---	0.01	0.01	55	52	---	0.01	0.01	55	53	<0.01	0.01	0.01
	55	54	0.05	0.01	0.06	55	55	---	0.01	0.01	55	56	<0.01	0.01	0.01
	55	57	---	0.01	0.01	55	58	---	0.01	0.01	55	59	---	<0.01	<0.01
	55	60	0.04	---	0.04	56	16	---	<0.01	<0.01	56	17	---	0.01	0.01
	56	18	---	0.01	0.01	56	19	---	0.01	0.01	56	20	---	0.01	0.01
	56	21	---	0.01	0.01	56	22	---	0.01	0.01	56	23	---	<0.01	<0.01
	56	24	---	<0.01	<0.01	56	25	---	<0.01	<0.01	56	26	---	<0.01	<0.01
	56	27	---	0.01	0.01	56	28	---	0.01	0.01	56	29	---	0.01	0.01
	56	30	---	0.01	0.01	56	31	---	0.01	0.01	56	32	0.20	0.01	0.21
	56	33	---	0.01	0.01	56	34	---	0.02	0.02	56	35	1.7	0.02	1.7
	56	36	2.4	0.02	2.4	56	37	0.70	0.02	0.73	56	38	---	0.02	0.02
	56	39	---	0.02	0.02	56	40	---	0.02	0.02	56	41	---	0.02	0.02
	56	42	---	<0.01	<0.01	56	43	---	<0.01	<0.01	56	44	---	0.01	0.01
	56	45	---	0.02	0.02	56	46	---	0.02	0.02	56	47	---	0.02	0.02
	56	48	---	0.02	0.02	56	49	0.09	0.02	0.10	56	50	---	0.01	0.01
	56	51	---	0.01	0.01	56	52	---	0.01	0.01	56	53	1.1	0.01	1.1
	56	54	0.41	0.01	0.41	56	55	0.84	0.01	0.84	56	56	---	0.01	0.01
	56	57	---	0.01	0.01	56	58	---	0.01	0.01	56	59	---	0.01	0.01
	56	61	0.07	---	0.07	57	15	---	0.01	0.01	57	16	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	57	17	---	0.01	0.01	57	18	---	0.01	0.01	57	19	---	0.01	0.01
	57	20	---	0.01	0.01	57	21	---	0.01	0.01	57	22	---	0.01	0.01
	57	23	---	<0.01	<0.01	57	24	---	<0.01	<0.01	57	25	---	<0.01	<0.01
	57	26	---	<0.01	<0.01	57	27	---	<0.01	<0.01	57	28	---	0.01	0.01
	57	29	---	0.01	0.01	57	30	---	0.01	0.01	57	31	---	0.01	0.01
	57	32	---	0.01	0.01	57	33	---	<0.01	<0.01	57	34	---	0.01	0.01
	57	35	---	0.02	0.02	57	36	0.27	0.02	0.29	57	37	0.02	0.02	0.04
	57	38	---	0.02	0.02	57	39	---	0.02	0.02	57	40	---	0.02	0.02
	57	41	---	<0.01	<0.01	57	42	---	<0.01	<0.01	57	43	---	<0.01	<0.01
	57	44	---	0.02	0.02	57	45	---	0.02	0.02	57	46	---	0.02	0.02
	57	47	---	0.02	0.02	57	48	---	0.02	0.02	57	49	---	0.01	0.01
	57	50	---	0.01	0.01	57	51	0.01	0.01	0.02	57	52	0.22	0.01	0.23
	57	53	---	0.01	0.01	57	54	0.15	<0.01	0.15	57	55	---	0.01	0.01
	57	56	0.18	0.01	0.19	57	57	0.20	0.01	0.20	57	58	---	0.01	0.01
	57	59	0.08	<0.01	0.09	58	15	---	0.02	0.02	58	16	---	0.02	0.02
	58	17	---	0.01	0.01	58	18	---	0.01	0.01	58	19	---	0.01	0.01
	58	20	---	0.01	0.01	58	21	---	0.01	0.01	58	22	---	0.01	0.01
	58	23	---	<0.01	<0.01	58	24	---	<0.01	<0.01	58	25	---	<0.01	<0.01
	58	26	---	<0.01	<0.01	58	27	---	0.01	0.01	58	28	---	0.01	0.01
	58	29	---	0.01	0.01	58	30	---	0.01	0.01	58	31	---	0.01	0.01
	58	32	0.50	<0.01	0.50	58	36	---	0.01	0.01	58	38	---	0.02	0.02
	58	39	---	0.02	0.02	58	40	---	0.02	0.02	58	41	---	0.01	0.01
	58	42	---	<0.01	<0.01	58	43	---	<0.01	<0.01	58	44	---	0.01	0.01
	58	45	---	0.01	0.01	58	46	---	0.02	0.02	58	47	0.02	0.02	0.03
	58	48	---	0.02	0.02	58	49	---	0.01	0.01	58	50	---	0.01	0.01
	58	51	---	0.01	0.01	58	52	---	0.01	0.01	58	53	---	0.01	0.01
	58	54	0.40	0.01	0.41	58	55	1.2	0.01	1.2	58	56	0.13	0.01	0.14
	58	57	0.05	0.01	0.06	58	58	0.04	<0.01	0.05	59	15	---	0.02	0.02
	59	16	---	0.02	0.02	59	17	---	0.02	0.02	59	18	---	0.01	0.01
	59	19	---	0.01	0.01	59	20	---	0.01	0.01	59	21	---	0.01	0.01
	59	22	---	0.02	0.02	59	23	---	0.01	0.01	59	24	---	<0.01	<0.01
	59	25	---	<0.01	<0.01	59	26	---	0.01	0.01	59	27	---	0.01	0.01
	59	28	---	0.01	0.01	59	29	---	0.01	0.01	59	30	---	0.01	0.01
	59	31	---	0.01	0.01	59	32	---	0.01	0.01	59	35	0.70	---	0.70
	59	38	---	0.02	0.02	59	39	---	0.02	0.02	59	40	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	59	41	---	<0.01	<0.01	59	42	---	<0.01	<0.01	59	43	---	<0.01	<0.01
	59	44	---	<0.01	<0.01	59	45	---	0.01	0.01	59	46	---	0.01	0.01
	59	47	---	0.02	0.02	59	48	---	0.01	0.01	59	49	---	0.02	0.02
	59	50	---	0.01	0.01	59	51	---	0.01	0.01	59	52	0.84	0.01	0.86
	59	53	---	0.01	0.01	59	54	0.43	0.01	0.44	59	55	0.15	0.01	0.16
	59	56	0.09	0.01	0.10	59	57	---	<0.01	<0.01	60	15	---	0.01	0.01
	60	16	---	0.02	0.02	60	17	---	0.02	0.02	60	18	---	0.02	0.02
	60	19	---	0.01	0.01	60	20	---	0.01	0.01	60	21	---	0.02	0.02
	60	22	---	0.02	0.02	60	23	---	0.02	0.02	60	24	---	0.01	0.01
	60	25	---	0.01	0.01	60	26	---	0.01	0.01	60	27	---	0.01	0.01
	60	28	---	0.01	0.01	60	29	---	0.01	0.01	60	30	---	0.01	0.01
	60	31	---	0.01	0.01	60	32	---	0.01	0.01	60	33	---	0.01	0.01
	60	37	0.60	---	0.60	60	39	---	0.02	0.02	60	40	---	0.01	0.01
	60	41	---	<0.01	<0.01	60	42	---	<0.01	<0.01	60	43	---	<0.01	<0.01
	60	44	---	<0.01	<0.01	60	45	---	<0.01	<0.01	60	46	---	<0.01	<0.01
	60	47	---	<0.01	<0.01	60	48	---	<0.01	<0.01	60	49	---	0.02	0.02
	60	50	---	0.01	0.01	60	51	0.30	0.01	0.31	60	52	---	0.01	0.01
	60	53	0.25	0.01	0.26	60	54	---	0.01	0.01	60	55	---	0.01	0.01
	60	56	---	0.01	0.01	61	15	---	0.01	0.01	61	16	---	0.02	0.02
	61	17	---	0.02	0.02	61	18	---	0.02	0.02	61	19	---	0.02	0.02
	61	20	---	0.02	0.02	61	21	---	0.02	0.02	61	22	---	0.02	0.02
	61	23	---	0.02	0.02	61	24	---	0.02	0.02	61	25	---	0.01	0.01
	61	26	---	0.01	0.01	61	27	---	0.01	0.01	61	28	---	0.01	0.01
	61	29	---	0.01	0.01	61	30	---	0.01	0.01	61	31	---	0.01	0.01
	61	32	---	0.01	0.01	61	33	---	0.01	0.01	61	34	---	0.01	0.01
	61	35	---	<0.01	<0.01	61	39	---	<0.01	<0.01	61	40	---	<0.01	<0.01
	61	41	---	<0.01	<0.01	61	42	---	<0.01	<0.01	61	43	---	<0.01	<0.01
	61	44	---	<0.01	<0.01	61	45	---	<0.01	<0.01	61	46	<0.01	<0.01	<0.01
	61	47	---	<0.01	<0.01	61	48	---	<0.01	<0.01	61	49	---	0.02	0.02
	61	50	---	0.01	0.01	61	51	0.22	0.01	0.23	61	52	0.01	0.01	0.02
	61	53	---	0.01	0.01	61	54	---	0.01	0.01	61	55	---	0.01	0.01
	61	56	---	<0.01	<0.01	62	15	---	0.01	0.01	62	16	---	0.01	0.01
	62	17	---	0.01	0.01	62	18	---	0.01	0.01	62	19	---	0.02	0.02
	62	20	---	0.02	0.02	62	21	---	0.02	0.02	62	22	---	0.02	0.02
	62	23	---	0.02	0.02	62	24	---	0.02	0.02	62	25	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	62	26	---	0.01	0.01	62	27	---	0.01	0.01	62	28	---	0.01	0.01
	62	29	---	0.01	0.01	62	30	---	0.01	0.01	62	31	---	0.01	0.01
	62	32	---	0.01	0.01	62	33	---	0.01	0.01	62	34	---	0.01	0.01
	62	35	---	0.01	0.01	62	36	---	<0.01	<0.01	62	41	0.70	<0.01	0.70
	62	42	---	<0.01	<0.01	62	43	---	<0.01	<0.01	62	44	---	<0.01	<0.01
	62	45	---	<0.01	<0.01	62	46	---	<0.01	<0.01	62	47	---	<0.01	<0.01
	62	48	0.10	<0.01	0.10	62	49	---	<0.01	<0.01	62	50	---	0.01	0.01
	62	51	0.20	0.01	0.21	62	52	0.01	0.01	0.02	62	53	---	0.01	0.01
	62	54	---	0.01	0.01	62	55	---	<0.01	<0.01	63	19	---	0.02	0.02
	63	20	---	0.02	0.02	63	21	---	0.02	0.02	63	22	---	0.02	0.02
	63	23	---	0.02	0.02	63	24	---	0.02	0.02	63	25	---	0.02	0.02
	63	26	---	0.02	0.02	63	27	---	0.01	0.01	63	28	---	0.01	0.01
	63	29	---	0.01	0.01	63	30	---	0.01	0.01	63	31	---	0.01	0.01
	63	32	---	0.01	0.01	63	33	---	0.01	0.01	63	34	---	0.01	0.01
	63	35	---	0.01	0.01	63	36	---	0.01	0.01	63	37	---	<0.01	<0.01
	63	43	0.10	<0.01	0.10	63	44	---	<0.01	<0.01	63	45	---	<0.01	<0.01
	63	46	---	<0.01	<0.01	63	47	---	<0.01	<0.01	63	48	---	<0.01	<0.01
	63	49	---	<0.01	<0.01	63	50	---	0.01	0.01	63	51	---	0.01	0.01
	63	52	---	0.01	0.01	63	53	---	0.01	0.01	63	54	---	0.01	0.01
	64	19	---	<0.01	<0.01	64	20	---	<0.01	<0.01	64	21	---	<0.01	<0.01
	64	22	---	0.01	0.01	64	23	---	0.02	0.02	64	24	---	0.02	0.02
	64	25	---	0.02	0.02	64	26	---	0.02	0.02	64	27	---	0.02	0.02
	64	28	---	0.01	0.01	64	29	---	0.01	0.01	64	30	---	0.01	0.01
	64	31	---	0.01	0.01	64	32	---	0.01	0.01	64	33	---	0.01	0.01
	64	34	---	0.01	0.01	64	35	---	0.01	0.01	64	36	0.20	0.01	0.21
	64	39	0.60	---	0.60	64	40	0.10	---	0.10	64	45	---	<0.01	<0.01
	64	46	---	<0.01	<0.01	64	47	---	<0.01	<0.01	64	48	---	<0.01	<0.01
	64	49	---	<0.01	<0.01	64	50	---	<0.01	<0.01	64	51	---	<0.01	<0.01
	64	52	---	0.01	0.01	64	53	---	0.01	0.01	65	21	---	0.01	0.01
	65	22	---	0.01	0.01	65	23	---	0.02	0.02	65	24	---	0.02	0.02
	65	25	---	0.02	0.02	65	26	---	0.02	0.02	65	27	---	0.02	0.02
	65	28	---	0.02	0.02	65	29	---	0.03	0.03	65	30	---	0.01	0.01
	65	31	---	0.01	0.01	65	32	---	0.01	0.01	65	33	---	0.01	0.01
	65	34	---	0.01	0.01	65	35	---	0.01	0.01	65	36	0.10	<0.01	0.10
	65	40	0.10	---	0.10	65	49	---	<0.01	<0.01	65	50	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	65	51	---	<0.01	<0.01	66	21	---	0.01	0.01	66	22	---	0.02	0.02
	66	23	---	0.02	0.02	66	24	---	0.02	0.02	66	25	---	0.02	0.02
	66	26	---	0.02	0.02	66	27	---	0.02	0.02	66	28	---	0.02	0.02
	66	29	---	0.02	0.02	66	30	---	0.01	0.01	66	31	---	0.01	0.01
	66	32	0.50	0.01	0.51	66	33	---	0.01	0.01	66	34	---	0.01	0.01
	66	35	---	<0.01	<0.01	66	36	0.10	---	0.10	66	49	---	<0.01	<0.01
	66	50	---	<0.01	<0.01	67	23	---	0.02	0.02	67	24	---	0.02	0.02
	67	25	---	0.02	0.02	67	26	---	0.02	0.02	67	27	---	0.02	0.02
	67	28	---	0.02	0.02	67	29	---	0.02	0.02	67	30	---	0.01	0.01
	67	31	---	0.01	0.01	67	32	---	0.01	0.01	67	33	---	0.01	0.01
	67	34	---	<0.01	<0.01	67	41	0.10	---	0.10	67	48	---	<0.01	<0.01
	67	49	---	<0.01	<0.01	67	50	---	<0.01	<0.01	68	23	---	0.02	0.02
	68	24	---	0.02	0.02	68	25	---	0.02	0.02	68	26	---	0.02	0.02
	68	27	---	0.02	0.02	68	28	---	0.02	0.02	68	29	---	0.02	0.02
	68	30	---	0.02	0.02	68	31	---	0.01	0.01	68	32	---	0.01	0.01
	68	33	---	<0.01	<0.01	68	43	0.80	---	0.80	68	48	---	<0.01	<0.01
	69	25	---	0.02	0.02	69	26	---	0.02	0.02	69	27	---	0.02	0.02
	69	28	---	0.02	0.02	69	29	---	0.02	0.02	69	30	---	0.02	0.02
	69	31	---	0.02	0.02	69	32	---	0.01	0.01	69	36	3.9	---	3.9
	69	42	0.10	---	0.10	70	25	---	0.01	0.01	70	26	---	0.02	0.02
	70	27	---	0.02	0.02	70	28	---	0.02	0.02	70	29	---	0.02	0.02
	70	30	---	0.02	0.02	70	31	---	0.01	0.01	70	32	---	<0.01	<0.01
	70	33	---	0.04	0.04	71	23	---	<0.01	<0.01	71	24	---	0.01	0.01
	71	25	---	0.02	0.02	71	26	---	0.02	0.02	71	27	---	0.02	0.02
	71	28	---	0.02	0.02	71	29	---	0.02	0.02	71	30	---	0.01	0.01
	71	31	---	<0.01	<0.01	71	40	0.10	---	0.10	72	23	---	0.01	0.01
	72	24	---	0.02	0.02	72	25	---	0.02	0.02	72	26	---	0.02	0.02
	72	27	---	0.02	0.02	72	28	---	0.02	0.02	72	29	---	0.02	0.02
	72	30	---	<0.01	<0.01	72	35	---	0.04	0.04	72	42	0.10	---	0.10
	73	23	---	0.02	0.02	73	24	---	0.02	0.02	73	25	---	0.02	0.02
	73	26	---	0.02	0.02	73	27	---	0.02	0.02	73	28	---	0.02	0.02
	73	29	---	<0.01	<0.01	74	23	---	0.02	0.02	74	24	---	0.02	0.02
	74	25	---	0.02	0.02	74	26	---	0.02	0.02	74	27	---	0.02	0.02
	74	28	---	0.01	0.01	75	23	---	0.01	0.01	75	24	---	0.02	0.02
	75	25	---	0.02	0.02	75	26	---	0.02	0.02	75	27	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	75	38	---	0.01	0.01	75	42	0.10	---	0.10	76	23	---	0.01	0.01
	76	24	---	0.01	0.01	76	25	---	0.02	0.02	76	26	---	0.01	0.01
	76	39	---	<0.01	<0.01	76	40	---	<0.01	<0.01	76	41	---	<0.01	<0.01
	76	42	0.10	<0.01	0.10	77	23	---	0.01	0.01	77	24	---	0.01	0.01
	77	25	---	0.01	0.01	77	26	---	<0.01	<0.01	77	39	---	<0.01	<0.01
	77	40	---	0.01	0.01	77	41	---	0.01	0.01	77	42	0.20	0.01	0.21
	77	43	0.10	<0.01	0.10	77	44	---	<0.01	<0.01	77	45	---	<0.01	<0.01
	78	23	---	0.01	0.01	78	24	---	0.01	0.01	78	25	---	<0.01	<0.01
	78	39	---	<0.01	<0.01	78	40	---	0.01	0.01	78	41	---	0.01	0.01
	78	42	---	0.01	0.01	78	43	0.10	0.01	0.11	78	44	---	<0.01	<0.01
	79	41	---	<0.01	<0.01	79	42	---	0.01	0.01	79	43	---	0.01	0.01
	80	42	---	<0.01	<0.01	80	43	0.10	<0.01	0.10	81	43	0.10	---	0.10
	83	42	---	<0.01	<0.01	83	43	---	0.01	0.01	85	42	---	0.01	0.01
	86	41	---	<0.01	<0.01	86	42	---	0.01	0.01	87	40	---	<0.01	<0.01
	87	41	---	0.01	0.01	87	43	0.20	---	0.20	88	40	---	0.03	0.03
	88	41	---	0.03	0.03	89	40	---	0.06	0.06	89	41	---	0.05	0.05
	90	40	---	0.02	0.02	97	37	---	0.02	0.02	99	37	---	0.02	0.02
	99	38	---	0.02	0.02	99	39	---	0.02	0.02	100	36	---	0.02	0.02
	100	37	---	0.02	0.02	100	38	---	0.02	0.02	100	39	---	0.02	0.02
	101	35	---	0.02	0.02	101	36	---	0.02	0.02	101	37	0.30	0.02	0.32
	101	38	---	0.02	0.02	102	34	---	0.02	0.02	102	35	---	0.02	0.02
	102	36	---	0.02	0.02	102	37	---	0.02	0.02	102	38	---	0.05	0.05
	103	34	---	0.02	0.02	103	35	---	0.02	0.02	103	36	---	0.02	0.02
	103	37	---	0.04	0.04	104	31	---	<0.01	<0.01	104	34	---	0.02	0.02
	104	35	---	0.02	0.02	104	36	---	0.02	0.02	104	37	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	105	31	---	0.01	0.01	105	32	---	0.01	0.01	105	33	---	0.01	0.01
	105	34	0.10	0.01	0.11	105	35	---	0.01	0.01	105	36	0.10	0.02	0.12
	106	31	0.20	0.01	0.21	106	32	0.20	0.01	0.21	106	33	0.10	0.01	0.11
	106	34	0.10	0.01	0.11	106	35	---	0.01	0.01	106	36	---	<0.01	<0.01
	107	27	---	<0.01	<0.01	107	28	0.10	<0.01	0.10	107	29	0.30	<0.01	0.30
	107	30	---	0.01	0.01	107	31	0.30	0.01	0.31	107	32	---	0.01	0.01
	107	33	---	0.01	0.01	107	34	---	0.01	0.01	107	35	---	0.02	0.02
	108	27	---	<0.01	<0.01	108	28	---	0.01	0.01	108	29	0.40	0.01	0.41
	108	30	0.30	0.01	0.31	108	31	0.60	0.51	1.1	108	32	---	0.01	0.01
	108	33	---	0.01	0.01	108	34	---	0.01	0.01	108	35	---	<0.01	<0.01
	109	27	---	<0.01	<0.01	109	28	---	0.02	0.02	109	29	---	0.02	0.02
	109	30	---	0.02	0.02	109	31	2.3	0.01	2.3	109	32	---	0.01	0.01
	109	33	---	<0.01	<0.01	109	34	---	0.08	0.08	110	28	---	0.02	0.02
	110	29	---	0.02	0.02	110	30	---	0.02	0.02	110	31	---	0.01	0.01
	110	32	---	0.08	0.08	110	33	---	0.09	0.09	111	28	---	0.02	0.02
	111	29	---	0.02	0.02	111	30	---	0.02	0.02	111	31	---	0.01	0.01
	111	32	---	0.08	0.08	111	33	0.30	---	0.30	112	28	---	0.02	0.02
	112	29	---	0.02	0.02	112	30	---	0.02	0.02	112	31	---	0.02	0.02
	112	32	---	0.08	0.08	113	28	---	0.02	0.02	113	29	---	0.02	0.02
	113	30	0.20	0.02	0.22	113	31	---	0.02	0.02	113	34	0.10	---	0.10
	114	27	---	<0.01	<0.01	114	28	---	0.02	0.02	114	29	---	0.02	0.02
	114	30	---	0.02	0.02	114	31	---	0.02	0.02	115	27	---	<0.01	<0.01
	115	28	---	0.02	0.02	115	29	---	0.02	0.02	115	30	---	0.02	0.02
	115	31	---	0.02	0.02	116	27	---	<0.01	<0.01	116	28	---	0.02	0.02
	116	29	0.40	0.02	0.42	116	30	---	0.02	0.02	116	31	---	0.01	0.01
	116	32	---	<0.01	<0.01	117	28	---	0.03	0.03	117	29	---	0.01	0.01
	117	30	---	0.01	0.01	118	25	---	0.01	0.01	118	26	---	<0.01	<0.01
	118	28	---	0.02	0.02	119	24	---	0.01	0.01	119	25	---	0.01	0.01
	119	26	---	0.01	0.01	119	27	---	0.03	0.03	120	23	---	<0.01	<0.01
	120	24	---	0.01	0.01	120	25	---	0.01	0.01	120	26	---	0.01	0.01
	120	27	---	0.03	0.03	120	28	---	0.02	0.02	121	23	---	0.01	0.01
	121	24	---	0.01	0.01	121	25	---	0.01	0.01	121	26	---	0.01	0.01
	121	27	---	0.02	0.02	121	28	---	0.03	0.03	122	23	---	0.01	0.01
	122	24	---	0.01	0.01	122	25	---	0.01	0.01	122	26	---	<0.01	<0.01
	122	28	---	0.02	0.02	123	23	---	0.01	0.01	123	24	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	123	25	---	0.01	0.01	123	26	0.20	0.03	0.23	123	27	---	0.02	0.02
	124	23	---	0.01	0.01	124	24	---	0.01	0.01	124	25	0.10	0.03	0.13
	124	26	---	0.03	0.03	124	27	---	0.03	0.03	124	28	---	0.02	0.02
	125	24	---	<0.01	<0.01	125	25	---	0.03	0.03	125	26	---	0.03	0.03
	125	27	---	0.03	0.03	125	28	---	0.03	0.03	126	23	---	0.05	0.05
	126	24	---	0.06	0.06	126	25	---	0.10	0.10	126	26	---	0.03	0.03
	126	27	---	0.03	0.03	126	28	---	0.03	0.03	127	24	---	0.20	0.20
	127	26	---	0.05	0.05	128	23	---	0.05	0.05	128	25	---	0.20	0.20
	128	27	---	0.09	0.09	128	28	---	0.34	0.34	129	24	1.1	0.08	1.2
	129	27	---	0.15	0.15	129	28	---	0.04	0.04	130	24	---	2.5	2.5
	130	25	---	0.78	0.78	130	26	---	1.0	1.0	130	27	---	0.78	0.78
	131	26	---	0.04	0.04	131	27	---	0.03	0.03	132	25	---	0.12	0.12
	132	26	0.10	---	0.10	132	27	---	0.02	0.02	133	24	---	0.05	0.05
	133	26	---	0.06	0.06	133	27	---	0.07	0.07	134	25	---	0.02	0.02
	134	26	---	0.02	0.02	135	26	---	0.02	0.02	136	26	---	0.03	0.03
	137	26	---	0.02	0.02	138	26	---	0.03	0.03	139	25	---	0.01	0.01
	139	26	---	0.04	0.04	140	26	---	0.04	0.04	141	26	---	0.04	0.04
	142	26	---	0.04	0.04	142	27	---	0.04	0.04	143	26	---	0.04	0.04
	143	27	---	0.04	0.04	143	28	0.40	---	0.40	144	27	---	0.03	0.03
	156	27	0.10	---	0.10	157	27	0.40	---	0.40	160	26	0.10	---	0.10
	163	29	---	0.01	0.01	164	28	---	<0.01	<0.01	164	29	---	<0.01	<0.01
	165	27	---	<0.01	<0.01	165	28	---	<0.01	<0.01	165	29	---	<0.01	<0.01
	165	30	---	<0.01	<0.01	166	26	---	<0.01	<0.01	166	27	---	<0.01	<0.01
	166	28	---	<0.01	<0.01	166	29	---	<0.01	<0.01	166	30	---	<0.01	<0.01
	166	31	---	<0.01	<0.01	167	25	---	<0.01	<0.01	167	26	---	<0.01	<0.01
	167	27	---	<0.01	<0.01	167	28	---	<0.01	<0.01	167	29	---	<0.01	<0.01
	167	30	---	<0.01	<0.01	167	31	---	<0.01	<0.01	167	32	---	<0.01	<0.01
	168	25	---	<0.01	<0.01	168	26	---	<0.01	<0.01	168	27	---	<0.01	<0.01
	168	28	---	<0.01	<0.01	168	29	---	<0.01	<0.01	168	30	---	<0.01	<0.01
	168	31	---	<0.01	<0.01	168	32	---	<0.01	<0.01	168	33	---	<0.01	<0.01
	169	25	---	<0.01	<0.01	169	26	---	<0.01	<0.01	169	27	---	<0.01	<0.01
	169	28	---	<0.01	<0.01	169	29	---	<0.01	<0.01	169	30	---	<0.01	<0.01
	169	31	---	<0.01	<0.01	169	32	---	<0.01	<0.01	169	33	---	<0.01	<0.01
	169	34	---	<0.01	<0.01	170	26	---	<0.01	<0.01	170	27	---	<0.01	<0.01
	170	28	---	<0.01	<0.01	170	29	---	<0.01	<0.01	170	30	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
6	170	31	---	<0.01	<0.01	170	32	---	<0.01	<0.01	170	33	---	<0.01	<0.01
	170	34	---	<0.01	<0.01	171	27	---	<0.01	<0.01	171	28	---	<0.01	<0.01
	171	29	---	<0.01	<0.01	171	30	---	<0.01	<0.01	171	31	---	<0.01	<0.01
	171	32	---	<0.01	<0.01	171	33	---	<0.01	<0.01	171	34	---	<0.01	<0.01
	172	28	---	<0.01	<0.01	172	29	---	<0.01	<0.01	172	30	---	<0.01	<0.01
	172	31	---	<0.01	<0.01	172	32	---	<0.01	<0.01	172	33	---	<0.01	<0.01
	173	29	---	<0.01	<0.01	173	30	---	<0.01	<0.01	173	31	---	<0.01	<0.01
	173	32	---	<0.01	<0.01	174	30	---	<0.01	<0.01	174	31	---	0.01	0.01
	175	31	---	<0.01	<0.01	175	32	---	0.02	0.02	176	32	---	<0.01	<0.01
	176	33	---	0.02	0.02	177	33	---	<0.01	<0.01	183	36	---	<0.01	<0.01
	183	37	---	<0.01	<0.01	183	38	---	<0.01	<0.01	184	35	---	<0.01	<0.01
	184	36	---	<0.01	<0.01	184	37	---	<0.01	<0.01	184	38	---	<0.01	<0.01
	184	39	---	<0.01	<0.01	185	34	---	<0.01	<0.01	185	35	---	<0.01	<0.01
	185	36	---	<0.01	<0.01	185	37	---	<0.01	<0.01	185	38	---	<0.01	<0.01
	185	39	---	<0.01	<0.01	185	40	---	<0.01	<0.01	186	33	---	<0.01	<0.01
	186	34	---	<0.01	<0.01	186	35	---	<0.01	<0.01	186	36	---	<0.01	<0.01
	186	37	---	<0.01	<0.01	186	38	---	<0.01	<0.01	186	39	---	<0.01	<0.01
	186	40	---	<0.01	<0.01	186	41	---	<0.01	<0.01	187	35	---	<0.01	<0.01
	187	36	---	<0.01	<0.01	187	37	---	<0.01	<0.01	187	38	---	<0.01	<0.01
	187	39	---	<0.01	<0.01	187	40	---	<0.01	<0.01	187	41	---	<0.01	<0.01
	187	42	---	0.01	0.01	188	35	---	<0.01	<0.01	188	36	---	<0.01	<0.01
	188	37	---	<0.01	<0.01	188	38	---	<0.01	<0.01	188	39	---	<0.01	<0.01
	188	40	---	<0.01	<0.01	188	41	---	<0.01	<0.01	188	42	---	0.01	0.01
	188	43	---	0.01	0.01	188	44	---	0.01	0.01	189	41	---	<0.01	<0.01
	189	42	---	0.01	0.01	189	43	---	0.01	0.01	189	44	---	0.01	0.01
	189	45	---	0.01	0.01	190	41	---	<0.01	<0.01	190	42	---	<0.01	<0.01
	190	43	---	0.01	0.01	190	44	---	0.01	0.01	190	45	---	0.01	0.01
	190	46	---	0.01	0.01	190	47	---	0.01	0.01	191	44	---	0.01	0.01
	191	45	---	0.01	0.01	191	47	---	<0.01	<0.01	-	-	---	---	---
7	39	82	---	0.09	0.09	40	82	---	0.09	0.09	40	83	---	0.09	0.09
	40	84	---	0.09	0.09	40	85	---	0.06	0.06	41	83	---	0.09	0.09
	41	84	---	0.09	0.09	41	85	---	0.08	0.08	42	82	---	0.09	0.09
	42	83	---	0.09	0.09	42	84	---	0.09	0.09	42	89	0.20	---	0.20
	43	80	---	0.04	0.04	43	81	---	0.04	0.04	43	82	---	0.08	0.08

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
7	43	83	---	0.07	0.07	43	84	---	0.06	0.06	43	88	0.28	---	0.28
	43	89	0.25	---	0.25	44	78	---	0.04	0.04	44	79	---	0.05	0.05
	44	80	---	0.04	0.04	44	81	---	0.04	0.04	44	82	---	0.05	0.05
	44	83	---	0.05	0.05	44	84	---	0.05	0.05	45	76	---	0.05	0.05
	45	77	---	0.05	0.05	45	78	---	0.05	0.05	45	79	---	0.05	0.05
	45	80	---	0.05	0.05	45	81	---	0.04	0.04	45	82	---	0.04	0.04
	45	83	---	0.05	0.05	45	92	2.3	---	2.3	45	93	11	---	11
	46	74	---	0.05	0.05	46	75	---	0.05	0.05	46	76	---	0.05	0.05
	46	77	---	0.05	0.05	46	78	---	0.05	0.05	46	79	---	0.05	0.05
	46	80	---	0.05	0.05	46	81	3.1	0.04	3.1	46	93	0.20	---	0.20
	46	95	6.6	---	6.6	47	73	---	0.04	0.04	47	74	---	0.05	0.05
	47	75	---	0.05	0.05	47	76	---	0.05	0.05	47	77	0.15	0.05	0.20
	47	78	---	0.05	0.05	47	79	---	0.05	0.05	48	73	---	0.02	0.02
	48	74	---	0.03	0.03	48	75	---	0.04	0.04	48	76	---	0.05	0.05
	48	77	---	0.05	0.05	48	78	---	0.05	0.05	48	82	0.20	---	0.20
	49	70	---	0.02	0.02	49	72	0.91	0.02	0.92	49	73	0.08	0.02	0.09
	49	74	---	0.02	0.02	49	75	---	0.02	0.02	49	76	0.05	0.03	0.08
	49	77	---	0.05	0.05	50	68	---	0.01	0.01	50	69	---	0.02	0.02
	50	70	0.12	0.02	0.14	50	71	---	0.02	0.02	50	72	0.10	0.02	0.11
	50	73	---	0.02	0.02	50	74	---	0.02	0.02	50	75	---	0.01	0.01
	50	76	---	0.01	0.01	51	67	---	0.02	0.02	51	68	---	0.05	0.05
	51	69	---	0.06	0.06	51	70	---	0.02	0.02	51	71	---	0.02	0.02
	51	72	---	0.02	0.02	51	73	---	0.02	0.02	51	74	---	0.02	0.02
	51	83	1.9	---	1.9	52	67	0.05	0.07	0.13	52	68	0.11	0.10	0.21
	52	69	0.17	0.10	0.27	52	72	0.04	---	0.04	52	74	0.15	---	0.15
	53	64	---	0.02	0.02	53	65	---	<0.01	<0.01	53	66	---	0.05	0.05
	53	67	0.84	0.10	0.94	53	68	1.4	---	1.4	53	73	0.11	---	0.11
	53	81	0.03	---	0.03	54	61	---	0.03	0.03	54	62	---	0.03	0.03
	54	63	---	0.03	0.03	54	64	---	0.03	0.03	54	66	0.05	---	0.05
	54	67	0.16	---	0.16	54	68	4.2	---	4.2	54	69	0.18	---	0.18
	54	73	0.22	---	0.22	54	81	0.03	---	0.03	55	59	---	0.02	0.02
	55	60	---	0.03	0.03	55	61	---	0.03	0.03	55	62	---	0.03	0.03
	55	64	0.44	---	0.44	55	66	0.05	---	0.05	55	68	0.22	---	0.22
	55	69	0.30	---	0.30	55	70	0.54	---	0.54	55	80	0.40	---	0.40
	56	60	---	0.01	0.01	56	61	---	0.01	0.01	56	69	0.09	---	0.09

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
7	56	71	0.15	---	0.15	56	73	0.02	---	0.02	56	74	0.28	---	0.28
	56	75	0.20	---	0.20	57	59	---	0.01	0.01	57	60	0.05	---	0.05
	57	61	0.38	---	0.38	57	65	0.21	---	0.21	57	66	0.12	---	0.12
	57	70	0.04	---	0.04	57	72	0.12	---	0.12	58	58	0.05	<0.01	0.05
	58	60	0.22	---	0.22	58	65	0.22	---	0.22	58	66	0.04	---	0.04
	58	67	0.14	---	0.14	58	68	0.02	---	0.02	58	69	0.08	---	0.08
	58	70	5.3	---	5.3	58	71	7.1	---	7.1	58	75	0.02	---	0.02
	59	58	0.04	---	0.04	59	60	0.07	---	0.07	59	65	0.08	---	0.08
	59	70	0.23	---	0.23	59	72	0.06	---	0.06	59	75	0.05	---	0.05
	59	77	<0.01	---	<0.01	60	53	---	0.01	0.01	60	54	---	0.01	0.01
	60	55	0.46	0.01	0.47	60	64	0.10	---	0.10	60	71	2.1	---	2.1
	60	72	3.0	---	3.0	60	75	0.03	---	0.03	60	77	0.37	---	0.37
	61	48	---	0.02	0.02	61	52	---	0.01	0.01	61	53	---	0.01	0.01
	61	54	---	0.01	0.01	61	55	0.04	---	0.04	61	59	0.03	---	0.03
	61	63	0.18	---	0.18	61	73	0.13	---	0.13	62	49	---	0.02	0.02
	62	52	---	0.01	0.01	62	53	---	0.01	0.01	62	63	0.03	---	0.03
	62	68	0.06	---	0.06	62	73	0.29	---	0.29	63	49	---	0.02	0.02
	63	50	0.32	0.02	0.34	63	51	---	0.02	0.02	63	52	---	0.01	0.01
	63	53	0.18	---	0.18	63	57	0.10	---	0.10	63	61	0.04	---	0.04
	63	62	0.06	---	0.06	63	63	0.15	---	0.15	63	67	0.05	---	0.05
	64	49	---	0.02	0.02	64	50	---	0.02	0.02	64	51	---	0.01	0.01
	64	62	0.10	---	0.10	64	68	0.03	---	0.03	64	69	0.03	---	0.03
	65	50	0.24	0.02	0.27	65	51	---	0.01	0.01	65	57	0.10	---	0.10
	66	50	---	0.02	0.02	66	51	---	0.01	0.01	66	58	0.50	---	0.50
	66	60	0.13	---	0.13	67	51	0.04	---	0.04	67	53	0.07	---	0.07
	67	60	0.13	---	0.13	69	64	0.04	---	0.04	70	51	0.03	---	0.03
	70	54	0.08	---	0.08	70	70	0.60	---	0.60	74	47	---	<0.01	<0.01
	74	48	---	<0.01	<0.01	74	51	0.10	---	0.10	74	54	0.45	---	0.45
	75	47	---	<0.01	<0.01	75	48	0.10	<0.01	0.10	75	49	---	<0.01	<0.01
	75	50	---	<0.01	<0.01	75	53	0.32	---	0.32	75	54	0.15	---	0.15
	76	45	---	<0.01	<0.01	76	46	---	<0.01	<0.01	76	47	---	<0.01	<0.01
	76	48	---	<0.01	<0.01	76	49	---	<0.01	<0.01	77	45	---	<0.01	<0.01
	77	46	---	0.01	0.01	77	47	---	<0.01	<0.01	77	48	0.20	<0.01	0.20
	77	49	---	<0.01	<0.01	78	45	---	0.01	0.01	78	46	---	<0.01	<0.01
	78	47	---	<0.01	<0.01	78	48	---	<0.01	<0.01	78	49	0.30	<0.01	0.30

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
7	78	50	---	<0.01	<0.01	79	45	---	<0.01	<0.01	79	46	---	0.01	0.01
	79	47	---	<0.01	<0.01	79	48	---	<0.01	<0.01	79	49	---	<0.01	<0.01
	80	45	---	<0.01	<0.01	80	46	---	0.02	0.02	80	47	---	0.02	0.02
	80	48	---	<0.01	<0.01	80	49	---	<0.01	<0.01	81	45	---	0.01	0.01
	81	46	1.1	0.02	1.1	81	49	---	<0.01	<0.01	82	45	---	0.01	0.01
	82	46	---	0.02	0.02	82	47	0.10	---	0.10	83	44	---	0.01	0.01
	83	45	---	0.01	0.01	84	44	---	<0.01	<0.01	84	45	---	0.01	0.01
	84	49	0.40	---	0.40	85	43	---	0.01	0.01	85	44	---	0.01	0.01
	85	46	0.20	---	0.20	86	43	---	0.01	0.01	86	44	---	0.01	0.01
	86	46	0.10	---	0.10	86	48	5.1	---	5.1	87	42	---	0.02	0.02
	87	43	---	0.01	0.01	88	42	---	0.05	0.05	88	43	---	0.06	0.06
	88	44	---	<0.01	<0.01	88	45	0.20	---	0.20	89	42	---	0.06	0.06
	89	43	---	0.02	0.02	90	41	---	0.03	0.03	90	42	---	0.02	0.02
	90	43	---	0.01	0.01	91	43	---	0.01	0.01	92	41	---	0.01	0.01
	93	41	---	<0.01	<0.01	93	42	---	<0.01	<0.01	96	42	0.10	---	0.10
	99	40	0.10	0.04	0.14	100	40	---	0.04	0.04	101	39	---	0.04	0.04
	101	40	---	0.04	0.04	102	39	---	0.07	0.07	103	38	---	0.06	0.06
	103	39	---	0.06	0.06	104	38	---	0.06	0.06	105	37	---	0.06	0.06
	105	38	---	0.06	0.06	106	36	---	0.02	0.02	106	37	---	0.01	0.01
	107	37	---	0.05	0.05	108	36	---	0.05	0.05	109	35	---	0.05	0.05
	109	36	---	0.05	0.05	110	34	---	0.09	0.09	110	35	0.20	0.04	0.24
	111	33	---	0.08	0.08	111	34	0.70	0.05	0.75	111	35	---	0.06	0.06
	112	33	---	0.09	0.09	112	34	---	0.06	0.06	113	32	---	0.08	0.08
	113	33	---	0.09	0.09	114	32	---	0.08	0.08	116	31	---	0.02	0.02
	118	29	---	0.32	0.32	118	30	---	0.32	0.32	119	29	---	0.36	0.36
	120	29	---	0.32	0.32	121	29	---	0.36	0.36	122	29	---	0.32	0.32
	126	29	0.10	---	0.10	128	29	0.50	---	0.50	129	28	---	0.49	0.49
	131	28	---	0.06	0.06	132	28	---	0.07	0.07	133	28	---	0.06	0.06
	134	27	---	0.06	0.06	134	28	0.20	0.07	0.27	135	27	---	0.07	0.07
	135	28	---	0.07	0.07	136	27	---	0.04	0.04	136	28	---	0.03	0.03
	137	27	---	0.04	0.04	137	28	---	0.04	0.04	138	27	---	0.04	0.04
	138	28	---	0.04	0.04	139	27	---	0.04	0.04	139	28	0.70	0.24	0.94
	140	27	---	0.04	0.04	140	28	---	0.04	0.04	141	27	---	0.04	0.04
	141	28	---	0.04	0.04	142	28	---	0.04	0.04	142	29	---	0.04	0.04
	143	28	---	0.04	0.04	143	29	---	0.04	0.04	144	28	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
7	144	29	---	0.07	0.07	145	29	0.10	0.21	0.31	146	29	---	0.10	0.10
	150	30	---	0.01	0.01	151	30	---	0.01	0.01	151	33	0.20	---	0.20
	152	30	---	0.02	0.02	158	30	0.40	---	0.40	159	30	0.20	---	0.20
	161	36	---	---	---	174	35	0.50	---	0.50	183	37	---	<0.01	<0.01
	183	38	---	<0.01	<0.01	184	39	---	<0.01	<0.01	185	40	---	<0.01	<0.01
	185	41	---	<0.01	<0.01	186	41	---	<0.01	<0.01	186	42	---	<0.01	<0.01
	187	43	---	0.01	0.01	187	44	---	0.01	0.01	188	45	---	0.01	0.01
	189	46	---	0.01	0.01	190	48	---	<0.01	<0.01	190	49	---	<0.01	<0.01
8	41	86	---	0.07	0.07	42	85	---	0.07	0.07	42	86	0.36	0.07	0.43
	42	87	---	0.07	0.07	42	88	---	0.09	0.09	42	89	---	0.14	0.14
	43	85	---	0.07	0.07	43	86	---	0.07	0.07	43	87	1.2	0.08	1.2
	43	88	---	0.15	0.15	43	89	---	0.16	0.16	43	90	---	0.10	0.10
	44	85	---	0.05	0.05	44	86	---	0.07	0.07	44	87	0.31	0.13	0.43
	44	88	---	0.16	0.16	44	89	---	0.16	0.16	44	90	---	0.16	0.16
	45	84	---	0.05	0.05	45	85	---	0.05	0.05	45	86	---	0.05	0.05
	45	87	---	0.12	0.12	45	88	0.20	0.16	0.36	45	89	---	0.16	0.16
	45	90	---	0.16	0.16	45	91	---	0.16	0.16	45	92	2.5	0.16	2.6
	45	93	14	0.16	14	45	94	8.0	0.16	8.2	45	95	6.8	0.11	6.9
	46	82	---	0.04	0.04	46	83	---	0.05	0.05	46	84	---	0.05	0.05
	46	85	---	0.05	0.05	46	86	---	0.05	0.05	46	87	---	0.05	0.05
	46	88	---	0.11	0.11	46	89	---	0.11	0.11	46	90	---	0.09	0.09
	46	91	---	0.07	0.07	46	92	---	0.10	0.10	46	93	---	0.16	0.16
	46	94	2.4	0.16	2.5	46	95	7.8	0.13	7.9	46	96	0.63	---	0.63
	47	80	---	0.05	0.05	47	81	---	0.05	0.05	47	82	---	0.06	0.06
	47	83	---	0.06	0.06	47	84	---	0.05	0.05	47	85	---	0.05	0.05
	47	86	0.13	0.05	0.18	47	87	1.3	0.05	1.4	47	88	---	0.05	0.05
	47	89	---	0.05	0.05	47	90	---	0.05	0.05	47	91	---	0.05	0.05
	47	92	---	0.05	0.05	47	93	---	0.13	0.13	47	94	0.14	0.13	0.27
	47	95	7.2	0.14	7.3	47	96	0.30	---	0.30	48	79	---	0.05	0.05
	48	80	---	0.05	0.05	48	81	---	0.05	0.05	48	82	0.24	0.08	0.32
	48	83	0.21	0.09	0.30	48	84	---	0.07	0.07	48	85	---	0.06	0.06
	48	86	---	0.05	0.05	48	87	---	0.05	0.05	48	88	---	0.05	0.05
	48	89	---	0.05	0.05	48	90	0.12	0.22	0.34	48	91	---	0.05	0.05

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
8	48	92	0.21	0.05	0.26	48	93	---	0.05	0.05	48	94	---	0.08	0.08
	48	95	0.50	0.11	0.61	49	78	---	0.05	0.05	49	79	---	0.05	0.05
	49	80	---	0.05	0.05	49	81	---	0.08	0.08	49	82	---	0.09	0.09
	49	83	---	0.09	0.09	49	84	4.0	0.09	4.1	49	85	---	0.07	0.07
	49	86	---	0.05	0.05	49	87	---	0.05	0.05	49	88	0.41	0.05	0.46
	49	89	---	0.05	0.05	49	90	---	0.05	0.05	49	91	0.21	---	0.21
	50	77	---	0.02	0.02	50	78	---	0.04	0.04	50	79	---	0.05	0.05
	50	80	---	0.07	0.07	50	81	---	0.09	0.09	50	82	---	0.09	0.09
	50	83	---	0.09	0.09	50	84	---	0.09	0.09	50	85	1.6	0.09	1.7
	50	86	---	0.05	0.05	50	87	---	0.04	0.04	50	88	---	0.05	0.05
	50	89	0.22	---	0.22	51	75	---	0.01	0.01	51	76	---	0.01	0.01
	51	77	---	0.01	0.01	51	78	---	0.01	0.01	51	79	---	0.04	0.04
	51	80	---	0.08	0.08	51	81	---	0.09	0.09	51	82	---	0.09	0.09
	51	83	---	0.09	0.09	51	84	---	0.09	0.09	51	85	---	0.09	0.09
	51	86	5.2	0.06	5.3	51	87	1.3	---	1.3	51	89	0.57	---	0.57
	51	90	0.30	---	0.30	52	70	---	0.06	0.06	52	71	---	0.02	0.02
	52	72	---	0.02	0.02	52	73	---	0.02	0.02	52	74	---	0.01	0.01
	52	75	---	0.01	0.01	52	76	---	0.01	0.01	52	77	---	0.01	0.01
	52	78	0.11	0.01	0.12	52	79	---	0.01	0.01	52	80	---	0.04	0.04
	52	81	---	0.08	0.08	52	82	---	0.09	0.09	52	83	---	0.09	0.09
	52	84	---	0.09	0.09	52	86	0.27	---	0.27	52	87	0.92	---	0.92
	53	68	2.1	0.10	2.2	53	69	0.19	0.10	0.29	53	70	---	0.10	0.10
	53	71	---	0.08	0.08	53	72	---	0.04	0.04	53	73	---	0.01	0.01
	53	74	---	0.01	0.01	53	75	---	0.01	0.01	53	76	---	0.01	0.01
	53	77	---	0.01	0.01	53	78	---	0.01	0.01	53	79	---	0.01	0.01
	53	80	---	0.01	0.01	53	81	---	0.03	0.03	53	82	---	0.07	0.07
	53	83	---	0.09	0.09	53	86	1.9	---	1.9	53	87	0.23	---	0.23
	53	94	0.16	---	0.16	54	65	---	0.04	0.04	54	66	---	0.10	0.10
	54	67	<0.01	0.10	0.10	54	68	0.26	0.10	0.36	54	69	---	0.10	0.10
	54	70	---	0.10	0.10	54	71	---	0.10	0.10	54	72	---	0.03	0.03
	54	73	---	0.01	0.01	54	74	---	0.01	0.01	54	75	---	0.01	0.01
	54	76	---	0.01	0.01	54	77	0.02	0.01	0.03	54	78	---	0.01	0.01
	54	79	---	0.01	0.01	54	80	---	0.03	0.03	54	87	1.0	---	1.0
	55	63	---	0.03	0.03	55	64	0.71	0.03	0.74	55	65	---	0.04	0.04
	55	66	---	0.07	0.07	55	67	---	0.10	0.10	55	68	---	0.10	0.10

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
8	55	69	---	0.10	0.10	55	70	---	0.10	0.10	55	71	---	0.05	0.05
	55	72	---	0.01	0.01	55	73	---	0.01	0.01	55	74	---	0.01	0.01
	55	75	---	0.01	0.01	55	76	---	0.01	0.01	55	77	0.05	0.01	0.06
	55	78	---	0.01	0.01	55	80	0.05	---	0.05	55	88	0.32	---	0.32
	56	62	---	0.02	0.02	56	63	---	0.03	0.03	56	64	---	0.02	0.02
	56	65	---	0.02	0.02	56	66	---	0.04	0.04	56	67	---	0.08	0.08
	56	68	---	0.10	0.10	56	69	---	0.10	0.10	56	70	<0.01	0.08	0.08
	56	71	---	0.01	0.01	56	72	0.03	0.01	0.04	56	73	---	0.01	0.01
	56	74	0.08	0.01	0.09	56	75	---	0.01	0.01	56	78	0.03	---	0.03
	56	89	0.20	---	0.20	56	91	0.22	---	0.22	57	60	0.03	0.01	0.04
	57	61	0.48	0.01	0.49	57	62	0.55	0.01	0.56	57	63	---	0.02	0.02
	57	64	0.10	0.02	0.11	57	65	---	0.02	0.02	57	66	---	0.02	0.02
	57	67	---	0.02	0.02	57	68	---	0.05	0.05	57	69	---	0.08	0.08
	57	70	1.8	0.01	1.8	57	71	2.4	0.01	2.4	57	72	---	0.01	0.01
	58	59	0.10	0.01	0.11	58	60	---	0.01	0.01	58	61	---	0.01	0.01
	58	62	0.11	0.01	0.12	58	63	---	0.01	0.01	58	64	---	0.02	0.02
	58	65	0.36	0.02	0.38	58	66	---	0.02	0.02	58	67	0.02	0.02	0.04
	58	68	---	0.02	0.02	58	69	---	0.04	0.04	58	70	---	0.01	0.01
	58	71	0.20	---	0.20	58	72	0.10	---	0.10	58	73	0.02	---	0.02
	58	86	0.02	---	0.02	59	57	---	<0.01	<0.01	59	58	---	0.01	0.01
	59	59	---	0.01	0.01	59	60	---	0.01	0.01	59	61	0.10	0.01	0.11
	59	62	---	0.01	0.01	59	63	---	0.01	0.01	59	64	---	0.01	0.01
	59	65	0.10	0.01	0.11	59	66	---	0.01	0.01	59	67	---	0.01	0.01
	59	68	0.13	---	0.13	59	70	0.11	---	0.11	59	72	0.05	---	0.05
	59	74	0.93	---	0.93	59	85	0.23	---	0.23	59	86	3.2	---	3.2
	59	87	2.4	---	2.4	60	56	0.06	<0.01	0.06	60	57	0.12	0.01	0.13
	60	58	0.04	0.01	0.05	60	59	---	0.01	0.01	60	60	---	0.01	0.01
	60	61	---	0.01	0.01	60	62	0.09	0.01	0.10	60	63	---	0.01	0.01
	60	64	0.13	0.01	0.14	60	66	0.20	---	0.20	60	69	0.26	---	0.26
	60	72	0.16	---	0.16	60	77	0.11	---	0.11	60	78	1.0	---	1.0
	60	85	0.40	---	0.40	60	86	2.8	---	2.8	61	55	---	0.01	0.01
	61	56	0.14	0.01	0.15	61	57	---	0.01	0.01	61	58	---	0.01	0.01
	61	59	---	0.01	0.01	61	60	---	0.01	0.01	61	61	0.04	0.01	0.05
	61	62	0.09	---	0.09	61	64	0.19	---	0.19	61	65	0.12	---	0.12
	61	68	0.09	---	0.09	61	73	0.10	---	0.10	61	77	0.04	---	0.04

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
8	61	78	0.50	---	0.50	61	83	0.04	---	0.04	61	84	0.35	---	0.35
	62	54	---	0.01	0.01	62	55	---	0.01	0.01	62	56	1.6	0.01	1.6
	62	57	1.3	0.01	1.3	62	58	---	0.01	0.01	62	59	---	0.01	0.01
	62	60	---	0.01	0.01	62	66	0.05	---	0.05	62	73	0.04	---	0.04
	62	79	0.03	---	0.03	62	80	0.04	---	0.04	62	83	0.20	---	0.20
	62	84	1.2	---	1.2	63	53	---	0.01	0.01	63	54	---	0.01	0.01
	63	55	---	0.01	0.01	63	56	0.03	0.01	0.05	63	57	0.60	0.01	0.61
	63	58	---	0.01	0.01	63	59	---	0.01	0.01	63	62	0.17	---	0.17
	63	66	0.12	---	0.12	63	68	0.25	---	0.25	63	71	0.10	---	0.10
	63	82	0.06	---	0.06	64	52	---	0.01	0.01	64	53	0.13	0.01	0.15
	64	54	---	0.01	0.01	64	55	---	0.01	0.01	64	56	---	0.01	0.01
	64	57	0.70	0.01	0.71	64	58	---	0.01	0.01	64	67	0.01	---	0.01
	64	68	0.02	---	0.02	64	74	0.10	---	0.10	64	75	0.14	---	0.14
	64	83	0.01	---	0.01	65	52	---	0.01	0.01	65	53	---	0.01	0.01
	65	54	---	0.01	0.01	65	55	---	0.01	0.01	65	56	---	0.01	0.01
	65	57	---	0.01	0.01	65	58	---	0.01	0.01	65	59	0.17	---	0.17
	65	63	0.13	---	0.13	65	71	---	0.01	0.01	65	75	0.02	---	0.02
	66	52	---	0.01	0.01	66	53	---	0.01	0.01	66	54	---	0.01	0.01
	66	55	---	0.01	0.01	66	56	---	0.01	0.01	66	57	---	0.01	0.01
	66	60	1.0	---	1.0	66	64	0.05	---	0.05	66	69	0.13	---	0.13
	66	70	---	0.01	0.01	66	71	0.10	0.04	0.14	66	72	---	0.03	0.03
	66	81	0.20	---	0.20	67	52	---	0.01	0.01	67	53	---	0.01	0.01
	67	54	---	0.01	0.01	67	55	---	0.01	0.01	67	65	0.44	---	0.44
	67	67	0.44	---	0.44	67	69	---	0.01	0.01	67	70	---	0.04	0.04
	67	71	---	0.04	0.04	67	72	0.10	0.04	0.14	67	73	---	0.01	0.01
	67	80	2.0	---	2.0	68	51	---	0.01	0.01	68	52	1.1	0.01	1.1
	68	53	---	0.01	0.01	68	54	---	0.01	0.01	68	55	---	0.02	0.02
	68	61	0.03	---	0.03	68	67	0.13	---	0.13	68	69	---	0.03	0.03
	68	70	---	0.04	0.04	68	71	---	0.04	0.04	68	72	---	0.04	0.04
	68	73	24	0.04	24	68	74	---	0.01	0.01	68	77	0.93	---	0.93
	69	51	---	0.01	0.01	69	52	---	0.01	0.01	69	53	0.08	0.02	0.10
	69	54	---	0.02	0.02	69	55	---	0.02	0.02	69	56	0.03	---	0.03
	69	57	0.03	---	0.03	69	63	2.4	---	2.4	69	64	0.18	---	0.18
	69	68	---	0.03	0.03	69	69	---	0.04	0.04	69	70	---	0.04	0.04
	69	71	---	0.04	0.04	69	72	---	0.04	0.04	69	73	---	0.03	0.03

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
8	70	51	---	0.01	0.01	70	52	---	0.02	0.02	70	53	---	0.02	0.02
	70	54	---	0.02	0.02	70	64	0.81	---	0.81	70	67	---	0.02	0.02
	70	68	---	0.04	0.04	70	69	---	0.04	0.04	70	70	---	0.04	0.04
	70	71	---	0.04	0.04	70	72	---	0.04	0.04	70	73	---	0.01	0.01
	71	52	---	0.02	0.02	71	53	---	0.02	0.02	71	54	0.32	0.02	0.34
	71	58	0.11	---	0.11	71	59	0.03	---	0.03	71	68	---	0.02	0.02
	71	69	---	0.03	0.03	71	70	---	0.04	0.04	71	71	---	0.03	0.03
	71	79	4.6	---	4.6	72	52	---	0.02	0.02	72	53	---	0.02	0.02
	72	54	---	0.02	0.02	72	57	0.24	---	0.24	72	74	0.80	---	0.80
	73	52	---	0.01	0.01	73	53	---	0.01	0.01	73	56	0.07	---	0.07
	73	62	0.13	---	0.13	73	74	0.60	---	0.60	74	53	---	<0.01	<0.01
	74	54	0.08	---	0.08	74	68	0.10	---	0.10	74	69	0.40	---	0.40
	74	71	1.7	---	1.7	75	53	6.0	---	6.0	75	54	0.50	---	0.50
	75	66	0.10	---	0.10	75	70	0.10	---	0.10	76	52	0.80	---	0.80
	78	59	0.24	---	0.24	78	63	0.40	---	0.40	79	52	0.30	---	0.30
	80	64	0.10	---	0.10	80	67	0.61	---	0.61	80	68	1.2	---	1.2
	81	47	---	0.02	0.02	81	65	2.1	---	2.1	81	66	1.7	---	1.7
	82	47	---	0.02	0.02	82	61	1.3	---	1.3	82	64	11	---	11
	82	65	9.9	---	9.9	82	66	2.5	---	2.5	83	46	---	0.02	0.02
	83	47	---	0.02	0.02	83	66	2.1	---	2.1	84	46	---	0.02	0.02
	84	47	---	0.01	0.01	84	48	---	0.01	0.01	84	49	---	0.01	0.01
	84	50	---	<0.01	<0.01	85	45	---	0.02	0.02	85	46	0.10	0.02	0.12
	85	47	---	0.01	0.01	85	48	---	0.01	0.01	85	49	---	<0.01	<0.01
	86	45	---	0.02	0.02	86	46	---	0.01	0.01	86	47	---	0.01	0.01
	86	48	---	0.01	0.01	86	49	---	0.01	0.01	86	50	---	<0.01	<0.01
	87	44	0.40	0.01	0.41	87	45	---	0.01	0.01	87	46	---	0.01	0.01
	87	47	---	0.01	0.01	87	48	13	0.01	13	87	49	---	0.01	0.01
	87	50	---	0.01	0.01	88	44	---	0.01	0.01	88	45	---	0.01	0.01
	88	46	---	0.01	0.01	88	47	---	0.01	0.01	88	48	13	0.01	13
	88	49	---	0.01	0.01	88	50	---	0.01	0.01	89	43	---	0.01	0.01
	89	44	---	<0.01	<0.01	89	45	---	0.01	0.01	89	46	---	<0.01	<0.01
	89	47	---	<0.01	<0.01	89	48	---	<0.01	<0.01	89	49	---	<0.01	<0.01
	89	50	---	<0.01	<0.01	90	44	---	<0.01	<0.01	90	45	---	<0.01	<0.01
	90	46	---	<0.01	<0.01	90	47	---	<0.01	<0.01	90	48	---	<0.01	<0.01
	90	49	---	<0.01	<0.01	90	50	---	<0.01	<0.01	90	51	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
8	91	44	---	0.01	0.01	91	45	---	0.03	0.03	91	46	---	0.01	0.01
	91	47	---	<0.01	<0.01	91	48	---	<0.01	<0.01	91	49	---	<0.01	<0.01
	91	50	---	<0.01	<0.01	91	51	---	<0.01	<0.01	92	43	---	0.02	0.02
	92	44	---	0.02	0.02	92	45	---	0.02	0.02	92	46	---	0.02	0.02
	92	47	---	0.01	0.01	92	48	---	0.01	0.01	92	49	---	<0.01	<0.01
	92	50	---	<0.01	<0.01	92	51	---	<0.01	<0.01	93	42	---	0.02	0.02
	93	43	---	0.02	0.02	93	44	---	0.02	0.02	93	45	---	0.02	0.02
	93	46	---	0.01	0.01	93	47	---	0.02	0.02	93	48	---	0.03	0.03
	93	49	---	<0.01	<0.01	93	50	---	<0.01	<0.01	94	42	---	0.02	0.02
	94	43	---	0.02	0.02	94	44	---	0.02	0.02	94	45	---	0.01	0.01
	94	46	---	0.01	0.01	94	47	---	0.01	0.01	94	48	---	0.02	0.02
	94	49	---	0.02	0.02	95	41	---	0.02	0.02	95	42	---	0.02	0.02
	95	43	---	0.02	0.02	95	44	---	0.02	0.02	95	47	---	0.02	0.02
	95	48	---	0.02	0.02	95	49	---	0.01	0.01	96	41	---	0.02	0.02
	96	42	---	0.02	0.02	96	43	---	0.02	0.02	96	44	1.8	0.02	1.8
	96	45	3.3	0.01	3.3	96	46	---	0.01	0.01	96	47	---	0.02	0.02
	96	48	---	0.01	0.01	97	41	---	0.02	0.02	97	42	---	0.02	0.02
	97	43	---	0.02	0.02	97	44	---	0.02	0.02	97	45	---	0.02	0.02
	97	46	---	0.02	0.02	97	47	---	0.02	0.02	98	41	---	0.02	0.02
	98	42	---	0.02	0.02	98	43	---	0.01	0.01	98	44	---	0.02	0.02
	98	45	---	0.02	0.02	98	46	---	0.02	0.02	99	41	---	0.04	0.04
	99	42	---	0.01	0.01	99	43	---	0.02	0.02	99	44	---	0.02	0.02
	99	45	---	0.02	0.02	99	46	27	---	27	100	41	---	0.04	0.04
	100	42	---	0.02	0.02	100	43	---	0.01	0.01	100	44	---	0.02	0.02
	102	40	---	0.04	0.04	102	41	---	0.03	0.03	103	40	---	0.06	0.06
	103	41	---	0.05	0.05	103	43	0.50	---	0.50	104	39	---	0.06	0.06
	104	40	1.8	0.06	1.9	105	39	---	0.06	0.06	105	40	---	0.06	0.06
	106	38	---	0.04	0.04	106	39	---	0.06	0.06	106	44	0.40	---	0.40
	107	38	---	0.04	0.04	107	39	---	0.01	0.01	108	37	---	0.05	0.05
	108	38	---	0.05	0.05	109	37	---	0.05	0.05	110	36	---	0.05	0.05
	110	37	---	0.05	0.05	110	38	0.60	---	0.60	111	36	---	0.05	0.05
	112	35	---	0.06	0.06	112	36	---	0.06	0.06	113	34	---	0.06	0.06
	113	35	---	0.06	0.06	114	33	---	0.06	0.06	114	34	---	0.06	0.06
	115	32	---	0.08	0.08	115	33	---	0.05	0.05	116	32	---	0.02	0.02
	116	33	---	0.05	0.05	117	31	---	0.02	0.02	117	32	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
8	118	31	---	0.21	0.21	119	30	---	0.14	0.14	119	31	---	0.28	0.28
	119	38	0.30	---	0.30	120	30	3.1	0.21	3.3	120	31	0.10	---	0.10
	121	30	---	0.28	0.28	122	30	---	0.28	0.28	122	34	0.30	---	0.30
	123	29	---	0.07	0.07	123	30	---	0.31	0.31	124	29	---	0.05	0.05
	124	30	0.40	0.23	0.63	125	29	---	0.02	0.02	125	30	---	0.04	0.04
	126	29	---	0.02	0.02	126	30	---	0.02	0.02	127	29	---	0.02	0.02
	127	30	---	0.02	0.02	128	29	0.20	0.21	0.41	128	37	<0.01	---	<0.01
	129	29	---	0.07	0.07	130	29	---	0.07	0.07	131	29	---	0.10	0.10
	132	29	---	0.11	0.11	133	29	---	0.08	0.08	134	29	---	0.08	0.08
	135	29	---	0.03	0.03	136	29	---	0.04	0.04	137	29	---	0.04	0.04
	138	29	---	0.04	0.04	139	29	---	0.04	0.04	139	30	---	0.03	0.03
	140	29	---	0.04	0.04	140	30	---	0.04	0.04	140	31	0.40	---	0.40
	141	29	---	0.04	0.04	141	30	---	0.04	0.04	142	30	0.60	0.24	0.84
	142	31	---	0.13	0.13	143	30	---	0.09	0.09	143	31	---	0.13	0.13
	144	30	---	0.06	0.06	144	31	---	0.38	0.38	144	32	0.50	0.76	1.3
	145	30	---	0.10	0.10	146	30	0.80	0.63	1.4	146	31	---	0.21	0.21
	146	32	---	0.76	0.76	147	30	---	0.31	0.31	147	31	---	0.10	0.10
	147	32	0.90	1.1	2.0	148	30	---	0.01	0.01	148	31	---	0.03	0.03
	149	30	---	0.01	0.01	149	31	---	0.04	0.04	150	31	---	0.04	0.04
	151	31	---	0.04	0.04	151	33	0.30	---	0.30	152	31	---	0.04	0.04
	153	30	---	0.02	0.02	153	31	---	0.04	0.04	154	30	---	0.02	0.02
	154	31	---	0.04	0.04	154	32	0.40	---	0.40	155	30	---	0.03	0.03
	155	31	---	0.04	0.04	156	31	0.20	0.11	0.31	157	29	---	0.09	0.09
	157	30	---	0.09	0.09	157	31	---	0.09	0.09	158	29	---	0.08	0.08
	158	30	---	0.08	0.08	158	31	0.70	0.08	0.78	159	29	---	0.09	0.09
	159	30	---	0.09	0.09	159	31	---	0.07	0.07	159	33	0.30	---	0.30
	160	29	---	0.08	0.08	160	30	---	0.08	0.08	160	33	0.10	---	0.10
	161	30	---	0.01	0.01	161	31	---	0.10	0.10	161	33	0.10	---	0.10
	161	34	0.10	---	0.10	162	30	---	0.01	0.01	163	30	---	0.01	0.01
	163	31	---	0.01	0.01	163	32	---	0.01	0.01	163	33	---	0.09	0.09
	164	31	---	0.01	0.01	164	32	---	0.01	0.01	164	33	---	0.09	0.09
	165	31	---	0.01	0.01	165	32	---	0.01	0.01	165	33	---	0.09	0.09
	165	34	1.5	---	1.5	166	31	---	0.01	0.01	166	32	---	0.01	0.01
	166	33	---	0.09	0.09	167	33	---	0.09	0.09	170	34	---	0.01	0.01
	171	33	---	<0.01	<0.01	171	34	---	0.02	0.02	172	32	---	<0.01	<0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
8	172	33	---	0.02	0.02	172	34	---	0.03	0.03	173	32	---	0.02	0.02
	173	33	---	0.03	0.03	173	34	---	0.03	0.03	174	32	---	0.03	0.03
	174	33	---	0.03	0.03	174	34	---	0.03	0.03	175	33	---	0.03	0.03
	175	34	---	0.03	0.03	176	34	---	0.03	0.03	176	35	---	0.03	0.03
	177	35	---	0.03	0.03	178	35	---	0.02	0.02	179	36	---	0.02	0.02
	182	37	---	<0.01	<0.01	182	38	---	<0.01	<0.01	182	39	---	<0.01	<0.01
	183	39	---	<0.01	<0.01	183	40	---	<0.01	<0.01	184	40	---	<0.01	<0.01
	184	41	---	<0.01	<0.01	185	42	---	<0.01	<0.01	186	43	---	0.01	0.01
	186	45	---	0.01	0.01	187	45	---	0.01	0.01	188	46	---	0.01	0.01
	189	47	---	0.01	0.01	190	50	---	<0.01	<0.01	-	-	---	---	---
9	49	91	---	0.05	0.05	49	92	---	0.97	0.97	49	93	---	0.30	0.30
	49	94	---	0.31	0.31	49	95	---	0.06	0.06	50	89	---	0.05	0.05
	50	90	---	0.05	0.05	50	91	---	0.27	0.27	50	92	0.46	0.05	0.51
	50	93	---	2.0	2.0	50	94	---	0.04	0.04	51	88	---	<0.01	<0.01
	51	89	---	0.03	0.03	51	90	---	0.05	0.05	51	91	---	0.05	0.05
	51	92	---	2.0	2.0	51	93	---	1.4	1.4	51	94	0.59	0.14	0.74
	52	85	---	0.09	0.09	52	86	---	0.09	0.09	52	87	---	0.04	0.04
	52	89	---	<0.01	<0.01	52	90	---	0.03	0.03	52	91	---	0.03	0.03
	52	92	---	0.03	0.03	52	93	---	0.27	0.27	52	94	---	0.01	0.01
	53	84	---	0.09	0.09	53	85	---	0.09	0.09	53	86	---	0.09	0.09
	53	87	---	0.08	0.08	53	88	---	0.02	0.02	53	92	---	<0.01	<0.01
	53	93	---	0.02	0.02	54	81	---	0.03	0.03	54	82	---	0.03	0.03
	54	83	---	0.06	0.06	54	84	---	0.08	0.08	54	85	---	0.09	0.09
	54	86	---	0.09	0.09	54	87	---	0.09	0.09	54	88	---	0.08	0.08
	54	89	---	0.02	0.02	54	92	---	0.02	0.02	54	93	---	<0.01	<0.01
	55	79	---	0.03	0.03	55	80	---	0.03	0.03	55	81	---	0.03	0.03
	55	82	---	0.03	0.03	55	83	---	0.04	0.04	55	84	---	0.07	0.07
	55	85	---	0.09	0.09	55	86	---	0.09	0.09	55	87	0.19	0.09	0.28
	55	88	---	0.09	0.09	55	89	---	0.09	0.09	55	92	---	<0.01	<0.01
	56	76	---	0.01	0.01	56	77	---	0.01	0.01	56	78	---	0.02	0.02
	56	79	---	0.03	0.03	56	80	---	0.03	0.03	56	81	---	0.03	0.03
	56	82	---	0.03	0.03	56	83	---	0.06	0.06	56	84	---	0.07	0.07
	56	85	---	0.08	0.08	56	86	---	1.1	1.1	56	87	0.71	0.09	0.80

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	56	89	0.10	---	0.10	57	73	---	0.01	0.01	57	74	---	0.01	0.01
	57	75	---	0.01	0.01	57	76	---	0.01	0.01	57	77	---	0.01	0.01
	57	78	---	0.01	0.01	57	79	---	0.03	0.03	57	80	---	0.03	0.03
	57	81	---	0.03	0.03	57	82	---	0.06	0.06	57	83	---	0.07	0.07
	57	84	---	0.07	0.07	57	85	---	0.07	0.07	57	86	---	0.07	0.07
	58	71	---	0.01	0.01	58	72	---	0.01	0.01	58	73	---	0.01	0.01
	58	74	---	0.01	0.01	58	75	---	0.01	0.01	58	76	---	0.01	0.01
	58	77	---	0.01	0.01	58	78	---	0.01	0.01	58	79	---	0.02	0.02
	58	80	---	0.03	0.03	58	81	---	0.05	0.05	58	82	---	0.07	0.07
	58	83	---	0.07	0.07	58	84	---	0.07	0.07	58	85	0.16	---	0.16
	58	86	2.3	---	2.3	58	87	0.69	---	0.69	59	68	---	0.01	0.01
	59	69	---	0.01	0.01	59	70	---	0.01	0.01	59	71	---	0.01	0.01
	59	72	---	0.01	0.01	59	73	---	0.01	0.01	59	74	---	0.01	0.01
	59	75	---	0.01	0.01	59	76	---	0.01	0.01	59	77	---	0.01	0.01
	59	78	---	0.01	0.01	59	79	---	0.01	0.01	59	80	---	0.01	0.01
	59	81	---	0.06	0.06	59	85	0.25	---	0.25	59	86	0.25	---	0.25
	59	87	3.6	---	3.6	59	88	1.1	---	1.1	60	65	---	0.01	0.01
	60	66	---	0.01	0.01	60	67	---	0.01	0.01	60	68	---	0.01	0.01
	60	69	---	0.01	0.01	60	70	---	0.01	0.01	60	71	---	0.01	0.01
	60	72	---	0.01	0.01	60	73	---	0.01	0.01	60	74	---	0.01	0.01
	60	75	---	0.01	0.01	60	76	---	0.01	0.01	60	77	---	0.01	0.01
	60	78	---	0.01	0.01	60	79	---	0.01	0.01	60	84	0.11	---	0.11
	60	85	0.01	---	0.01	60	86	0.67	---	0.67	61	62	---	0.01	0.01
	61	63	---	0.01	0.01	61	64	---	0.01	0.01	61	65	---	0.01	0.01
	61	66	---	0.03	0.03	61	67	---	0.08	0.08	61	68	---	0.04	0.04
	61	69	---	0.01	0.01	61	70	---	0.01	0.01	61	71	---	0.01	0.01
	61	72	0.01	0.01	0.02	61	73	---	0.01	0.01	61	74	---	0.02	0.02
	61	75	---	0.01	0.01	61	76	---	0.01	0.01	61	77	---	0.01	0.01
	61	84	1.4	---	1.4	61	86	0.04	---	0.04	62	61	---	0.02	0.02
	62	62	---	0.02	0.02	62	63	---	0.01	0.01	62	64	---	0.01	0.01
	62	65	---	0.01	0.01	62	66	---	0.04	0.04	62	67	---	0.08	0.08
	62	68	---	0.08	0.08	62	69	---	0.06	0.06	62	70	---	0.01	0.01
	62	71	---	0.01	0.01	62	72	---	0.01	0.01	62	73	---	0.02	0.02
	62	74	---	0.03	0.03	62	75	---	0.02	0.02	62	76	---	0.01	0.01
	62	83	4.9	---	4.9	62	84	2.1	---	2.1	63	60	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	63	61	---	0.02	0.02	63	62	---	0.02	0.02	63	63	---	0.02	0.02
	63	64	---	0.01	0.01	63	65	---	0.01	0.01	63	66	0.02	0.08	0.10
	63	67	---	0.08	0.08	63	68	0.89	0.08	0.96	63	69	---	0.09	0.09
	63	70	---	0.08	0.08	63	71	---	0.03	0.03	63	72	---	0.02	0.02
	63	73	---	0.03	0.03	63	74	---	0.03	0.03	63	75	---	0.03	0.03
	63	80	<0.01	---	<0.01	63	82	0.90	---	0.90	63	83	4.4	---	4.4
	64	59	---	0.01	0.01	64	60	---	0.03	0.03	64	61	---	0.01	0.01
	64	62	---	0.02	0.02	64	63	---	0.02	0.02	64	64	---	0.02	0.02
	64	65	---	0.06	0.06	64	66	---	0.08	0.08	64	67	---	0.08	0.08
	64	68	---	0.08	0.08	64	69	---	0.09	0.09	64	70	---	0.09	0.09
	64	71	---	0.08	0.08	64	72	---	0.03	0.03	64	73	---	0.03	0.03
	64	82	0.13	---	0.13	64	83	3.8	---	3.8	65	59	---	0.03	0.03
	65	60	---	0.03	0.03	65	61	---	0.03	0.03	65	62	---	0.02	0.02
	65	63	---	0.02	0.02	65	64	---	0.02	0.02	65	65	---	0.04	0.04
	65	66	---	0.08	0.08	65	67	---	0.08	0.08	65	68	---	0.08	0.08
	65	69	---	0.08	0.08	65	70	---	0.08	0.08	65	71	---	0.05	0.05
	65	82	1.5	---	1.5	66	58	---	0.03	0.03	66	59	---	0.03	0.03
	66	60	---	0.03	0.03	66	61	---	0.03	0.03	66	62	---	0.03	0.03
	66	63	---	0.02	0.02	66	64	---	0.03	0.03	66	65	---	0.03	0.03
	66	66	---	0.03	0.03	66	67	---	0.06	0.06	66	68	---	0.04	0.04
	66	69	---	0.04	0.04	66	70	---	0.01	0.01	66	71	---	0.03	0.03
	66	72	---	0.02	0.02	66	77	0.05	---	0.05	66	81	0.33	---	0.33
	66	82	1.3	---	1.3	67	57	---	0.02	0.02	67	58	---	0.03	0.03
	67	59	---	0.03	0.03	67	60	---	0.03	0.03	67	61	---	0.03	0.03
	67	62	---	0.03	0.03	67	63	---	0.03	0.03	67	64	---	0.03	0.03
	67	65	---	0.03	0.03	67	66	---	0.03	0.03	67	69	---	0.01	0.01
	67	70	---	0.03	0.03	67	71	---	0.03	0.03	67	72	---	0.03	0.03
	67	73	---	0.02	0.02	67	75	0.08	---	0.08	67	76	0.08	---	0.08
	67	82	0.32	---	0.32	68	56	---	0.01	0.01	68	57	---	0.03	0.03
	68	58	---	0.02	0.02	68	59	---	0.03	0.03	68	60	---	0.03	0.03
	68	61	---	0.03	0.03	68	62	---	0.03	0.03	68	63	---	0.04	0.04
	68	67	0.14	---	0.14	68	69	---	0.02	0.02	68	70	---	0.03	0.03
	68	71	---	0.03	0.03	68	72	---	0.03	0.03	68	73	---	0.02	0.02
	68	74	---	0.01	0.01	68	76	0.04	---	0.04	68	77	0.23	---	0.23
	69	56	---	0.03	0.03	69	57	---	0.01	0.01	69	58	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	69	59	---	0.02	0.02	69	60	---	0.03	0.03	69	61	---	0.03	0.03
	69	62	---	0.03	0.03	69	63	0.07	---	0.07	69	64	0.26	---	0.26
	69	68	---	0.02	0.02	69	69	---	0.03	0.03	69	70	---	0.03	0.03
	69	71	---	0.03	0.03	69	72	0.80	0.03	0.83	69	73	---	0.02	0.02
	69	74	---	0.21	0.21	69	75	---	0.14	0.14	69	79	0.13	---	0.13
	70	55	---	0.02	0.02	70	56	---	0.02	0.02	70	57	---	0.01	0.01
	70	58	---	0.01	0.01	70	59	---	0.01	0.01	70	60	---	0.01	0.01
	70	61	---	0.02	0.02	70	63	0.10	---	0.10	70	64	0.05	---	0.05
	70	67	---	0.02	0.02	70	68	---	0.03	0.03	70	69	---	0.03	0.03
	70	70	---	0.03	0.03	70	71	---	0.03	0.03	70	72	---	0.02	0.02
	70	73	---	0.22	0.22	70	74	---	0.21	0.21	70	75	---	0.21	0.21
	70	76	---	0.21	0.21	70	77	---	0.21	0.21	70	78	---	0.21	0.21
	70	79	---	0.07	0.07	70	80	0.02	---	0.02	71	55	---	0.02	0.02
	71	56	---	0.01	0.01	71	57	---	0.01	0.01	71	58	---	0.01	0.01
	71	59	---	0.01	0.01	71	60	---	0.01	0.01	71	66	---	0.02	0.02
	71	67	---	0.06	0.06	71	68	---	0.04	0.04	71	69	---	0.04	0.04
	71	70	---	0.03	0.03	71	71	---	0.09	0.09	71	72	---	0.21	0.21
	71	73	---	0.21	0.21	71	74	---	0.21	0.21	71	75	0.60	0.21	0.81
	71	76	---	0.21	0.21	71	77	---	0.21	0.21	71	78	---	0.21	0.21
	71	79	---	0.21	0.21	71	80	---	0.14	0.14	72	55	---	0.01	0.01
	72	56	---	0.01	0.01	72	57	---	0.01	0.01	72	58	---	0.01	0.01
	72	59	---	0.01	0.01	72	66	0.30	0.06	0.36	72	67	---	0.08	0.08
	72	68	---	0.08	0.08	72	69	---	0.06	0.06	72	70	---	0.07	0.07
	72	71	---	0.23	0.23	72	72	---	0.21	0.21	72	73	---	0.21	0.21
	72	74	---	0.28	0.28	72	75	---	0.28	0.28	72	76	---	0.21	0.21
	72	77	---	0.21	0.21	72	78	---	0.21	0.21	72	79	---	0.07	0.07
	73	54	---	0.01	0.01	73	55	---	0.01	0.01	73	56	---	0.01	0.01
	73	57	---	0.01	0.01	73	58	---	0.01	0.01	73	65	---	0.02	0.02
	73	66	---	0.05	0.05	73	67	---	0.08	0.08	73	68	---	0.08	0.08
	73	69	---	0.06	0.06	73	70	---	0.06	0.06	73	71	---	0.06	0.06
	73	72	---	0.16	0.16	73	73	---	0.21	0.21	73	74	1.1	0.21	1.3
	73	75	---	0.28	0.28	73	76	---	0.21	0.21	73	77	---	0.14	0.14
	74	54	---	<0.01	<0.01	74	55	---	<0.01	<0.01	74	56	---	0.01	0.01
	74	57	---	0.01	0.01	74	64	---	0.02	0.02	74	65	---	0.03	0.03
	74	66	---	0.03	0.03	74	67	---	0.04	0.04	74	68	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	74	69	---	0.08	0.08	74	70	---	0.08	0.08	74	71	---	0.06	0.06
	74	72	---	0.06	0.06	74	73	---	0.11	0.11	74	74	---	0.21	0.21
	74	75	---	0.07	0.07	75	53	0.16	<0.01	0.17	75	54	---	<0.01	<0.01
	75	55	---	<0.01	<0.01	75	56	---	<0.01	<0.01	75	58	0.03	---	0.03
	75	60	0.46	---	0.46	75	63	---	0.01	0.01	75	64	---	0.03	0.03
	75	65	---	0.03	0.03	75	66	---	0.03	0.03	75	67	---	0.03	0.03
	75	68	---	0.04	0.04	75	69	---	0.06	0.06	75	70	---	0.08	0.08
	75	71	---	0.08	0.08	75	72	---	0.08	0.08	75	73	---	0.08	0.08
	75	74	---	0.02	0.02	76	55	---	<0.01	<0.01	76	61	0.18	---	0.18
	76	62	---	<0.01	<0.01	76	63	---	0.01	0.01	76	64	---	0.02	0.02
	76	65	---	0.03	0.03	76	66	---	0.03	0.03	76	67	---	0.03	0.03
	76	68	---	0.02	0.02	76	70	---	0.06	0.06	76	71	5.6	0.08	5.7
	76	72	0.30	0.08	0.38	76	73	---	0.04	0.04	77	55	---	<0.01	<0.01
	77	58	0.06	---	0.06	77	61	---	<0.01	<0.01	77	62	---	0.01	0.01
	77	63	---	0.01	0.01	77	64	---	0.01	0.01	77	65	---	0.01	0.01
	77	66	---	0.03	0.03	77	67	---	0.03	0.03	77	68	---	<0.01	<0.01
	77	71	---	0.02	0.02	77	72	---	0.02	0.02	78	61	---	0.01	0.01
	78	62	---	0.01	0.01	78	63	---	0.01	0.01	78	64	---	0.01	0.01
	78	65	---	0.01	0.01	78	66	---	0.01	0.01	78	67	---	0.01	0.01
	78	69	0.10	---	0.10	78	75	1.5	---	1.5	79	60	---	0.01	0.01
	79	61	---	0.01	0.01	79	62	---	0.01	0.01	79	63	---	0.01	0.01
	79	64	---	0.01	0.01	79	65	---	<0.01	<0.01	80	59	---	0.01	0.01
	80	60	---	0.02	0.02	80	61	---	0.02	0.02	80	62	0.50	0.01	0.51
	80	63	---	0.01	0.01	80	64	---	0.01	0.01	80	67	0.48	---	0.48
	81	58	---	<0.01	<0.01	81	59	---	0.02	0.02	81	60	---	0.02	0.02
	81	61	---	0.02	0.02	81	62	---	0.02	0.02	81	63	---	0.01	0.01
	81	66	0.23	---	0.23	81	67	0.10	---	0.10	81	68	0.90	---	0.90
	82	57	---	<0.01	<0.01	82	58	---	0.01	0.01	82	59	---	0.01	0.01
	82	60	---	0.01	0.01	82	61	1.3	0.01	1.3	82	62	---	0.02	0.02
	82	63	---	<0.01	<0.01	82	64	8.7	---	8.7	82	66	18	---	18
	82	67	1.1	---	1.1	82	68	1.2	---	1.2	83	56	---	0.01	0.01
	83	57	---	0.02	0.02	83	58	---	0.01	0.01	83	59	---	0.01	0.01
	83	60	---	<0.01	<0.01	83	61	---	0.01	0.01	83	62	4.3	0.02	4.3
	83	63	0.80	0.02	0.82	83	66	25	---	25	83	67	3.0	---	3.0
	84	49	---	0.01	0.01	84	56	---	<0.01	<0.01	84	57	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	84	58	---	0.02	0.02	84	59	---	0.02	0.02	84	60	0.10	0.01	0.11
	84	61	---	0.02	0.02	84	62	---	0.02	0.02	84	63	---	0.02	0.02
	84	64	---	<0.01	<0.01	85	48	---	0.01	0.01	85	49	---	<0.01	<0.01
	85	50	---	<0.01	<0.01	85	57	---	<0.01	<0.01	85	58	---	0.01	0.01
	85	59	---	0.02	0.02	85	60	---	0.02	0.02	85	61	---	0.02	0.02
	85	62	---	0.02	0.02	85	63	---	0.02	0.02	85	64	---	<0.01	<0.01
	85	65	0.10	---	0.10	86	47	---	<0.01	<0.01	86	48	---	0.01	0.01
	86	49	0.10	0.01	0.11	86	50	---	<0.01	<0.01	86	52	0.20	---	0.20
	86	60	---	0.02	0.02	86	61	---	0.02	0.02	86	62	---	0.02	0.02
	86	63	---	0.01	0.01	86	64	0.20	---	0.20	87	47	---	0.01	0.01
	87	48	---	0.01	0.01	87	61	---	0.01	0.01	87	62	---	0.01	0.01
	88	47	---	0.01	0.01	88	48	---	0.02	0.02	88	51	0.20	---	0.20
	88	61	1.0	---	1.0	89	46	---	0.01	0.01	89	47	---	0.01	0.01
	90	46	---	0.01	0.01	90	53	0.10	---	0.10	91	46	---	<0.01	<0.01
	93	51	0.90	---	0.90	94	50	0.40	---	0.40	98	45	0.10	---	0.10
	99	46	3.4	---	3.4	100	43	---	0.01	0.01	101	42	---	0.03	0.03
	101	43	---	0.03	0.03	102	42	---	0.03	0.03	102	43	---	0.03	0.03
	102	45	0.10	---	0.10	103	42	---	0.03	0.03	104	41	---	0.06	0.06
	104	42	---	0.06	0.06	105	41	---	0.06	0.06	105	42	---	0.06	0.06
	106	41	---	0.06	0.06	106	42	---	0.06	0.06	107	40	---	0.03	0.03
	107	41	---	0.04	0.04	108	39	---	0.04	0.04	108	40	---	0.04	0.04
	108	41	---	0.04	0.04	109	38	---	0.04	0.04	109	39	---	0.05	0.05
	109	40	---	0.05	0.05	109	41	---	0.04	0.04	110	38	---	0.05	0.05
	110	39	---	0.05	0.05	110	40	---	0.05	0.05	110	45	21	---	21
	111	37	---	0.04	0.04	111	38	---	0.04	0.04	111	39	---	0.04	0.04
	111	40	---	0.04	0.04	112	37	---	0.07	0.07	112	38	---	0.07	0.07
	112	39	---	0.04	0.04	113	36	---	0.05	0.05	113	37	---	0.07	0.07
	113	38	---	0.07	0.07	113	39	---	0.08	0.08	114	35	---	0.06	0.06
	114	36	---	0.07	0.07	114	37	---	0.07	0.07	114	38	---	0.07	0.07
	115	34	---	0.05	0.05	115	35	0.80	0.06	0.86	115	36	---	0.07	0.07
	115	37	---	0.07	0.07	116	34	---	0.05	0.05	116	35	---	0.07	0.07
	116	36	---	0.07	0.07	117	33	---	0.04	0.04	117	34	---	0.02	0.02
	117	35	---	0.06	0.06	117	36	---	0.08	0.08	117	37	0.20	---	0.20
	118	32	---	0.02	0.02	118	33	---	0.04	0.04	118	34	---	0.02	0.02
	118	35	0.10	0.05	0.15	119	32	---	0.14	0.14	119	33	---	0.03	0.03

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	119	34	---	0.03	0.03	119	35	---	0.07	0.07	119	38	0.50	---	0.50
	120	31	---	0.28	0.28	120	32	---	0.28	0.28	120	33	---	0.15	0.15
	120	34	---	0.07	0.07	121	31	---	0.28	0.28	121	32	---	0.28	0.28
	121	33	---	0.29	0.29	121	38	0.20	---	0.20	122	31	---	0.28	0.28
	122	32	---	0.29	0.29	122	33	---	0.26	0.26	123	31	---	0.24	0.24
	123	32	---	0.26	0.26	123	33	---	0.26	0.26	123	34	0.30	---	0.30
	123	35	5.1	---	5.1	123	41	0.25	---	0.25	124	31	---	0.26	0.26
	124	32	---	0.26	0.26	124	40	0.34	---	0.34	124	42	4.2	---	4.2
	125	31	---	0.22	0.22	125	32	---	0.26	0.26	125	37	0.38	---	0.38
	125	38	1.1	---	1.1	125	39	0.96	---	0.96	125	40	0.22	---	0.22
	125	42	0.93	---	0.93	125	43	0.21	---	0.21	126	31	---	0.03	0.03
	126	36	0.10	---	0.10	126	37	0.63	---	0.63	126	38	2.1	---	2.1
	126	39	1.9	---	1.9	126	40	0.40	---	0.40	126	41	9.5	---	9.5
	126	43	0.77	---	0.77	127	31	---	0.02	0.02	127	36	0.03	---	0.03
	127	37	0.94	---	0.94	127	38	2.6	---	2.6	127	39	0.32	---	0.32
	127	40	23	---	23	127	41	15	---	15	127	42	3.7	---	3.7
	127	43	1.6	---	1.6	127	45	<0.01	---	<0.01	128	30	---	0.02	0.02
	128	31	---	0.22	0.22	128	35	0.46	---	0.46	128	37	0.90	---	0.90
	128	38	0.22	---	0.22	128	39	7.2	---	7.2	128	40	16	---	16
	128	41	6.1	---	6.1	128	42	13	---	13	128	43	1.3	---	1.3
	129	33	0.02	---	0.02	129	34	1.8	---	1.8	129	35	2.2	---	2.2
	129	36	0.27	---	0.27	129	37	0.08	---	0.08	129	38	0.24	---	0.24
	129	39	13	---	13	129	40	3.2	---	3.2	129	41	12	---	12
	129	42	5.9	---	5.9	130	30	---	0.05	0.05	130	33	0.70	---	0.70
	130	35	1.9	---	1.9	130	38	0.02	---	0.02	130	39	0.14	---	0.14
	130	40	0.11	---	0.11	130	41	0.38	---	0.38	131	30	---	0.05	0.05
	131	32	0.50	---	0.50	132	30	---	0.05	0.05	133	30	---	0.06	0.06
	133	32	0.60	---	0.60	134	30	---	0.24	0.24	134	40	0.20	---	0.20
	135	30	---	0.05	0.05	135	31	---	0.05	0.05	136	30	---	0.04	0.04
	136	31	---	0.04	0.04	137	30	---	0.02	0.02	138	30	---	0.03	0.03
	138	33	0.80	---	0.80	141	31	---	<0.01	<0.01	142	32	---	0.13	0.13
	142	33	---	0.38	0.38	143	32	---	0.13	0.13	143	33	---	0.25	0.25
	144	33	---	0.38	0.38	144	34	---	0.76	0.76	145	32	---	0.76	0.76
	145	33	---	0.51	0.51	145	34	---	0.63	0.63	146	33	---	0.13	0.13
	146	34	---	0.76	0.76	146	39	0.80	---	0.80	147	33	---	0.13	0.13

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	147	34	---	0.63	0.63	148	32	0.40	0.03	0.43	148	33	---	0.02	0.02
	148	34	---	0.02	0.02	149	32	---	0.04	0.04	149	33	---	0.04	0.04
	149	34	---	0.04	0.04	150	32	---	0.04	0.04	150	33	---	0.04	0.04
	150	34	---	0.04	0.04	151	32	---	0.04	0.04	151	33	0.50	0.04	0.54
	151	34	---	0.04	0.04	151	35	---	0.06	0.06	151	38	7.0	---	7.0
	152	32	---	0.04	0.04	152	33	---	0.04	0.04	152	34	---	0.04	0.04
	152	35	---	0.06	0.06	153	32	---	0.04	0.04	153	33	---	0.04	0.04
	153	34	---	0.03	0.03	153	35	---	0.02	0.02	154	32	---	0.04	0.04
	154	33	---	0.03	0.03	154	34	---	0.02	0.02	154	35	---	0.02	0.02
	155	32	---	0.04	0.04	155	33	---	0.03	0.03	155	34	---	0.02	0.02
	155	36	0.40	---	0.40	156	32	---	0.08	0.08	156	33	---	0.01	0.01
	156	34	---	0.02	0.02	157	32	---	0.09	0.09	157	33	---	<0.01	<0.01
	157	34	---	0.02	0.02	157	35	---	0.02	0.02	158	32	---	0.08	0.08
	158	33	---	0.01	0.01	158	34	---	0.02	0.02	158	35	---	0.02	0.02
	159	32	---	0.10	0.10	159	33	---	<0.01	<0.01	159	34	---	0.01	0.01
	159	35	---	0.01	0.01	160	32	---	0.02	0.02	160	33	---	0.02	0.02
	160	34	---	0.02	0.02	161	33	---	0.02	0.02	161	34	---	0.02	0.02
	161	35	2.0	0.14	2.14	161	37	0.50	---	0.50	162	35	---	0.04	0.04
	163	35	---	0.03	0.03	163	36	---	0.20	0.20	164	34	---	0.09	0.09
	164	35	---	0.02	0.02	165	34	---	0.09	0.09	165	35	---	0.02	0.02
	165	36	---	0.02	0.02	165	38	0.30	---	0.30	166	34	---	0.09	0.09
	166	35	---	0.02	0.02	166	36	---	0.02	0.02	167	34	---	0.09	0.09
	167	35	---	0.03	0.03	167	36	---	0.03	0.03	167	39	0.20	---	0.20
	168	34	---	0.09	0.09	168	35	---	0.03	0.03	168	36	---	0.01	0.01
	168	37	---	0.03	0.03	169	35	---	0.01	0.01	169	36	---	0.03	0.03
	169	37	---	0.04	0.04	170	35	---	0.02	0.02	170	36	---	0.03	0.03
	170	37	---	0.03	0.03	171	35	---	0.03	0.03	171	36	---	0.03	0.03
	171	37	---	0.03	0.03	171	38	0.10	---	0.10	172	35	---	0.03	0.03
	172	36	---	0.03	0.03	172	37	---	0.03	0.03	172	38	0.70	---	0.70
	173	35	---	0.03	0.03	173	36	---	0.03	0.03	173	37	---	0.03	0.03
	173	38	0.50	---	0.50	174	35	---	0.03	0.03	174	36	---	0.03	0.03
	174	37	---	0.03	0.03	174	38	---	0.03	0.03	175	35	---	0.03	0.03
	175	36	---	0.03	0.03	175	37	---	0.03	0.03	175	38	---	0.03	0.03
	175	39	0.40	---	0.40	176	36	---	0.03	0.03	176	37	---	0.03	0.03
	176	38	---	0.03	0.03	176	40	0.30	---	0.30	176	41	0.30	---	0.30

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
9	177	36	---	0.03	0.03	177	37	---	0.03	0.03	177	38	---	0.03	0.03
	177	40	0.30	---	0.30	177	41	0.80	---	0.80	177	42	0.40	---	0.40
	178	36	---	0.03	0.03	178	37	---	0.03	0.03	178	38	---	0.03	0.03
	178	39	---	0.02	0.02	178	41	0.10	---	0.10	179	37	---	0.03	0.03
	179	38	---	0.02	0.02	179	39	---	0.01	0.01	180	37	---	0.02	0.02
	180	38	---	0.01	0.01	180	39	0.80	<0.01	0.80	180	40	---	<0.01	<0.01
	181	38	---	<0.01	<0.01	181	39	---	<0.01	<0.01	181	40	---	<0.01	<0.01
	181	41	---	<0.01	<0.01	182	40	---	<0.01	<0.01	182	41	---	<0.01	<0.01
	183	41	---	<0.01	<0.01	183	42	---	<0.01	<0.01	184	42	---	<0.01	<0.01
	184	43	---	<0.01	<0.01	185	43	---	<0.01	<0.01	185	44	---	0.01	0.01
	186	44	---	0.01	0.01	187	46	---	0.01	0.01	188	47	---	0.01	0.01
	189	48	---	0.01	0.01	-	-	---	---	---	-	-	---	---	---
10	55	90	---	0.02	0.02	56	88	---	0.71	0.71	56	89	---	0.02	0.02
	57	87	---	0.08	0.08	58	85	---	0.07	0.07	58	86	---	0.07	0.07
	58	87	---	0.06	0.06	59	82	---	0.07	0.07	59	83	---	0.07	0.07
	59	84	---	0.07	0.07	59	85	---	0.07	0.07	59	86	---	0.04	0.04
	59	87	---	0.02	0.02	60	80	---	0.01	0.01	60	81	---	0.07	0.07
	60	82	---	0.07	0.07	60	83	---	0.07	0.07	60	84	---	0.07	0.07
	60	85	---	0.07	0.07	61	78	---	0.01	0.01	61	79	---	0.01	0.01
	61	80	---	0.07	0.07	61	81	---	0.08	0.08	61	82	---	0.08	0.08
	61	83	---	0.07	0.07	61	84	---	0.04	0.04	61	85	---	0.02	0.02
	62	77	---	0.01	0.01	62	78	---	0.01	0.01	62	79	---	0.05	0.05
	62	80	---	0.08	0.08	62	81	---	0.08	0.08	62	82	---	0.08	0.08
	62	83	---	0.07	0.07	63	76	---	0.03	0.03	63	77	---	0.02	0.02
	63	78	---	0.01	0.01	63	79	---	0.08	0.08	63	80	---	0.08	0.08
	63	81	---	0.08	0.08	63	82	0.02	0.08	0.11	63	83	1.5	---	1.5
	64	74	---	0.03	0.03	64	75	---	0.03	0.03	64	76	---	0.03	0.03
	64	77	---	0.03	0.03	64	78	---	0.06	0.06	64	79	---	0.08	0.08
	64	80	---	0.08	0.08	64	83	0.50	---	0.50	65	71	---	0.04	0.04
	65	72	---	0.04	0.04	65	73	---	0.03	0.03	65	74	---	0.03	0.03
	65	75	---	0.03	0.03	65	76	---	0.03	0.03	65	77	---	0.03	0.03
	65	78	---	0.03	0.03	65	82	0.42	---	0.42	66	70	---	0.04	0.04
	66	71	---	0.08	0.08	66	72	---	0.07	0.07	66	73	---	0.03	0.03

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
10	66	74	---	0.03	0.03	66	75	---	0.03	0.03	66	76	---	0.03	0.03
	66	81	0.18	---	0.18	67	67	---	0.03	0.03	67	68	---	0.03	0.03
	67	69	---	0.05	0.05	67	70	---	0.06	0.06	67	71	---	0.08	0.08
	67	72	---	0.08	0.08	67	73	---	0.06	0.06	67	74	---	0.03	0.03
	67	81	0.13	---	0.13	67	82	0.43	---	0.43	68	64	---	0.04	0.04
	68	65	---	0.04	0.04	68	66	---	0.03	0.03	68	67	---	0.03	0.03
	68	68	---	0.03	0.03	68	69	---	0.07	0.07	68	70	---	0.08	0.08
	68	71	---	0.08	0.08	68	72	---	0.08	0.08	68	73	---	0.06	0.06
	68	74	---	0.02	0.02	68	77	1.5	---	1.5	68	82	0.23	---	0.23
	69	63	---	0.04	0.04	69	64	---	0.04	0.04	69	65	---	0.04	0.04
	69	66	---	0.04	0.04	69	67	---	0.03	0.03	69	68	---	0.05	0.05
	69	69	---	0.08	0.08	69	70	---	0.08	0.08	69	71	---	0.08	0.08
	69	72	---	0.08	0.08	69	73	---	0.06	0.06	69	74	---	0.21	0.21
	69	75	---	0.14	0.14	69	79	0.43	---	0.43	70	62	---	0.02	0.02
	70	63	---	0.04	0.04	70	64	0.02	0.04	0.06	70	65	---	0.04	0.04
	70	66	---	0.04	0.04	70	67	---	0.06	0.06	70	68	---	0.08	0.08
	70	69	---	0.08	0.08	70	70	---	0.08	0.08	70	71	---	0.08	0.08
	70	72	---	0.08	0.08	70	73	---	0.23	0.23	70	74	---	0.21	0.21
	70	75	---	0.21	0.21	70	76	---	0.21	0.21	70	77	---	0.21	0.21
	70	78	---	0.21	0.21	70	79	---	0.07	0.07	71	61	---	0.01	0.01
	71	62	---	0.01	0.01	71	63	---	0.02	0.02	71	64	---	0.04	0.04
	71	65	---	0.04	0.04	71	66	0.10	0.08	0.18	71	67	---	0.14	0.14
	71	68	---	0.12	0.12	71	69	---	0.08	0.08	71	70	---	0.08	0.08
	71	71	---	0.13	0.13	71	72	---	0.21	0.21	71	73	---	0.21	0.21
	71	74	---	0.21	0.21	71	75	---	0.21	0.21	71	76	---	0.21	0.21
	71	77	---	0.21	0.21	71	78	---	0.21	0.21	71	79	---	0.21	0.21
	71	80	---	0.14	0.14	72	60	---	0.01	0.01	72	61	---	0.01	0.01
	72	62	---	0.01	0.01	72	63	---	0.01	0.01	72	64	---	0.01	0.01
	72	65	---	0.06	0.06	72	66	---	0.14	0.14	72	67	---	0.16	0.16
	72	68	---	0.08	0.08	72	69	---	0.06	0.06	72	70	---	0.06	0.06
	72	71	---	0.23	0.23	72	72	---	0.21	0.21	72	73	---	0.21	0.21
	72	74	---	0.28	0.28	72	75	---	0.28	0.28	72	76	---	0.21	0.21
	72	77	---	0.21	0.21	72	78	---	0.21	0.21	72	79	---	0.07	0.07
	73	59	---	0.01	0.01	73	60	---	0.01	0.01	73	61	---	0.01	0.01
	73	62	0.02	0.01	0.03	73	63	---	0.01	0.01	73	64	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
10	73	65	---	0.03	0.03	73	66	---	0.04	0.04	73	67	---	0.08	0.08
	73	68	---	0.08	0.08	73	69	---	0.06	0.06	73	70	---	0.06	0.06
	73	71	---	0.06	0.06	73	72	---	0.16	0.16	73	73	---	0.21	0.21
	73	74	---	0.21	0.21	73	75	---	0.28	0.28	73	76	1.2	0.21	1.4
	73	77	---	0.14	0.14	74	58	---	0.01	0.01	74	59	---	0.01	0.01
	74	60	---	0.01	0.01	74	61	---	0.01	0.01	74	62	---	0.01	0.01
	74	63	---	0.01	0.01	74	64	---	0.02	0.02	74	67	---	0.02	0.02
	74	68	---	0.06	0.06	74	69	---	0.08	0.08	74	70	---	0.08	0.08
	74	71	---	0.06	0.06	74	72	---	0.06	0.06	74	73	---	0.11	0.11
	74	74	---	0.21	0.21	74	75	---	0.07	0.07	75	57	---	0.01	0.01
	75	58	---	0.01	0.01	75	59	---	0.02	0.02	75	60	---	0.02	0.02
	75	61	---	0.01	0.01	75	62	---	0.01	0.01	75	63	---	0.02	0.02
	75	68	---	0.02	0.02	75	69	---	0.06	0.06	75	70	---	0.08	0.08
	75	71	---	0.08	0.08	75	72	---	0.08	0.08	75	73	---	0.08	0.08
	75	74	---	0.02	0.02	76	56	---	0.01	0.01	76	57	---	0.01	0.01
	76	58	---	0.01	0.01	76	60	---	0.01	0.01	76	61	---	0.01	0.01
	76	62	---	0.02	0.02	76	69	---	0.06	0.06	76	70	---	0.07	0.07
	76	71	---	0.08	0.08	76	72	---	0.08	0.08	76	73	---	0.04	0.04
	77	56	---	0.01	0.01	77	57	---	0.01	0.01	77	58	---	0.01	0.01
	77	59	---	0.01	0.01	77	60	---	0.01	0.01	77	61	---	0.02	0.02
	77	68	---	0.06	0.06	77	69	---	0.06	0.06	77	70	0.20	0.06	0.26
	77	71	---	0.06	0.06	77	72	---	0.03	0.03	78	56	---	0.01	0.01
	78	57	---	0.01	0.01	78	58	---	0.01	0.01	78	59	---	0.01	0.01
	78	60	---	0.01	0.01	78	67	---	0.04	0.04	78	68	---	0.06	0.06
	78	69	---	0.07	0.07	78	70	---	0.07	0.07	78	71	---	0.06	0.06
	78	72	---	0.04	0.04	79	57	---	0.01	0.01	79	58	---	0.01	0.01
	79	59	---	0.01	0.01	79	67	---	0.07	0.07	79	68	---	0.07	0.07
	79	69	0.40	0.07	0.47	79	70	---	0.07	0.07	79	71	---	0.06	0.06
	79	72	---	0.04	0.04	80	57	---	0.01	0.01	80	58	---	0.01	0.01
	80	67	---	0.04	0.04	80	68	---	0.07	0.07	80	69	---	0.07	0.07
	80	70	---	0.06	0.06	80	71	---	0.06	0.06	80	72	---	0.04	0.04
	81	68	0.80	0.01	0.81	81	69	---	0.01	0.01	81	70	---	0.01	0.01
	81	71	---	0.01	0.01	82	58	0.80	---	0.80	82	64	2.9	---	2.9
	82	65	2.2	---	2.2	82	66	13	---	13	82	67	6.3	---	6.3
	82	68	2.5	---	2.5	83	65	0.70	---	0.70	83	66	9.5	---	9.5

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
10	83	67	3.1	---	3.1	84	54	0.20	---	0.20	84	56	0.20	---	0.20
	84	64	0.10	---	0.10	85	65	2.2	---	2.2	86	53	0.40	---	0.40
	86	54	0.10	---	0.10	86	60	0.20	---	0.20	87	54	0.10	---	0.10
	87	58	0.10	---	0.10	88	50	0.10	---	0.10	88	52	0.10	---	0.10
	88	54	0.90	---	0.90	89	48	---	0.01	0.01	89	49	---	0.01	0.01
	89	52	---	0.01	0.01	89	53	---	0.01	0.01	89	54	---	0.01	0.01
	89	55	---	<0.01	<0.01	90	47	---	0.01	0.01	90	48	---	0.01	0.01
	90	49	---	0.01	0.01	90	52	---	0.02	0.02	90	53	---	0.02	0.02
	90	54	---	0.02	0.02	90	55	---	0.02	0.02	90	56	---	0.01	0.01
	90	58	0.30	---	0.30	90	59	1.0	---	1.0	91	47	---	0.01	0.01
	91	48	---	0.01	0.01	91	50	0.20	---	0.20	91	52	---	0.01	0.01
	91	53	---	0.02	0.02	91	54	---	0.02	0.02	91	55	---	0.02	0.02
	91	56	3.3	0.02	3.3	91	57	---	0.01	0.01	92	47	---	<0.01	<0.01
	92	48	---	0.01	0.01	92	51	---	<0.01	<0.01	92	52	---	0.02	0.02
	92	53	---	0.02	0.02	92	54	0.10	0.02	0.12	92	55	---	0.02	0.02
	92	56	---	0.02	0.02	92	57	---	0.01	0.01	92	59	0.20	---	0.20
	93	47	---	0.01	0.01	93	52	---	<0.01	<0.01	93	53	---	0.01	0.01
	93	54	---	0.02	0.02	93	55	0.50	0.02	0.52	93	56	---	0.01	0.01
	94	47	---	0.01	0.01	94	54	---	0.01	0.01	94	55	---	0.02	0.02
	94	56	---	0.01	0.01	95	46	---	<0.01	<0.01	95	47	---	0.04	0.04
	95	55	---	0.01	0.01	95	56	---	0.01	0.01	96	46	---	0.01	0.01
	96	47	---	0.04	0.04	96	53	0.20	---	0.20	97	46	---	0.02	0.02
	98	45	---	0.02	0.02	98	46	---	0.02	0.02	98	54	0.30	---	0.30
	99	44	---	0.01	0.01	99	45	---	0.11	0.11	99	46	---	0.15	0.15
	100	44	---	0.04	0.04	100	45	---	0.38	0.38	100	46	---	1.5	1.5
	100	49	0.40	---	0.40	101	44	---	0.08	0.08	101	45	---	0.91	0.91
	101	46	---	0.99	0.99	102	44	---	0.03	0.03	102	45	---	0.08	0.08
	102	46	---	0.23	0.23	103	43	---	0.03	0.03	103	44	---	0.03	0.03
	103	45	---	0.11	0.11	103	49	0.10	---	0.10	104	43	---	0.03	0.03
	104	44	---	0.03	0.03	104	45	---	0.03	0.03	104	49	1.0	---	1.0
	105	43	---	0.03	0.03	105	44	---	0.03	0.03	106	43	---	0.06	0.06
	106	44	---	0.07	0.07	107	42	---	0.05	0.05	107	43	---	0.06	0.06
	107	44	---	0.06	0.06	108	43	---	0.05	0.05	108	45	0.30	---	0.30
	109	42	---	0.04	0.04	109	43	---	0.03	0.03	110	41	---	0.04	0.04
	110	42	---	0.06	0.06	110	45	20	---	20	111	41	---	0.06	0.06

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
10	111	42	---	0.07	0.07	111	45	1.1	---	1.1	112	40	---	0.05	0.05
	112	41	---	0.07	0.07	112	43	0.30	---	0.30	113	40	---	0.04	0.04
	113	41	---	0.08	0.08	113	46	6.2	---	6.2	114	39	---	0.09	0.09
	114	40	---	0.07	0.07	115	38	---	0.07	0.07	115	39	---	0.10	0.10
	115	40	---	0.07	0.07	115	45	0.20	---	0.20	116	38	---	0.94	0.94
	116	39	---	1.4	1.4	117	37	---	0.05	0.05	117	38	---	1.6	1.6
	118	36	---	0.07	0.07	118	37	---	0.05	0.05	118	38	---	1.4	1.4
	119	36	---	0.08	0.08	119	37	---	0.05	0.05	119	43	0.10	---	0.10
	120	35	---	0.05	0.05	120	36	---	0.06	0.06	120	37	---	0.06	0.06
	121	34	---	0.26	0.26	121	35	---	0.26	0.26	121	36	---	0.25	0.25
	121	37	---	0.25	0.25	122	34	---	0.26	0.26	122	35	---	0.26	0.26
	122	36	---	0.26	0.26	122	40	0.10	---	0.10	122	41	0.76	---	0.76
	122	42	0.10	---	0.10	123	34	---	0.26	0.26	123	35	---	0.26	0.26
	123	36	---	0.26	0.26	123	40	2.0	---	2.0	123	41	0.45	---	0.45
	123	42	0.51	---	0.51	123	43	<0.01	---	<0.01	124	33	---	0.26	0.26
	124	34	---	0.26	0.26	124	35	---	0.26	0.26	124	36	0.90	0.26	1.2
	124	39	1.0	---	1.0	124	40	0.92	---	0.92	124	41	0.05	---	0.05
	124	42	1.8	---	1.8	124	43	1.7	---	1.7	124	46	<0.01	---	<0.01
	125	33	---	0.26	0.26	125	34	---	0.26	0.26	125	35	---	0.26	0.26
	125	36	<0.01	0.13	0.14	125	37	0.44	---	0.44	125	38	1.8	---	1.8
	125	39	0.56	---	0.56	125	40	1.1	---	1.1	125	41	2.1	---	2.1
	125	42	2.3	---	2.3	125	43	5.8	---	5.8	125	44	2.3	---	2.3
	125	45	0.01	---	0.01	125	46	0.40	---	0.40	125	48	0.70	---	0.70
	126	32	---	0.18	0.18	126	33	---	0.26	0.26	126	34	---	0.26	0.26
	126	35	---	0.26	0.26	126	36	0.63	---	0.63	126	37	0.65	---	0.65
	126	38	3.0	---	3.0	126	39	1.8	---	1.8	126	40	3.5	---	3.5
	126	41	0.01	---	0.01	126	42	1.5	---	1.5	126	43	6.3	---	6.3
	126	44	3.6	---	3.6	126	45	0.51	---	0.51	126	46	0.94	---	0.94
	126	47	1.6	---	1.6	126	49	2.4	---	2.4	127	32	---	0.02	0.02
	127	33	---	0.10	0.10	127	34	---	0.25	0.25	127	35	<0.01	0.15	0.16
	127	36	0.13	---	0.13	127	37	0.47	---	0.47	127	38	11	---	11
	127	39	2.7	---	2.7	127	40	3.2	---	3.2	127	41	2.9	---	2.9
	127	42	0.35	---	0.35	127	43	7.0	---	7.0	127	44	2.8	---	2.8
	127	45	0.75	---	0.75	127	46	0.58	---	0.58	127	47	0.26	---	0.26
	127	48	1.8	---	1.8	127	49	2.8	---	2.8	128	33	---	0.25	0.25

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
10	128	34	---	0.31	0.31	128	35	0.02	0.02	0.05	128	36	1.0	---	1.0
	128	37	1.5	---	1.5	128	38	1.5	---	1.5	128	39	0.94	---	0.94
	128	40	0.62	---	0.62	128	41	5.8	---	5.8	128	42	2.3	---	2.3
	128	43	3.7	---	3.7	128	44	3.6	---	3.6	128	45	0.52	---	0.52
	128	47	0.81	---	0.81	128	48	1.2	---	1.2	128	49	0.61	---	0.61
	128	50	<0.01	---	<0.01	129	32	---	0.25	0.25	129	35	1.7	---	1.7
	129	36	5.5	---	5.5	129	37	4.0	---	4.0	129	38	2.6	---	2.6
	129	39	5.9	---	5.9	129	40	9.8	---	9.8	129	41	22	---	22
	129	42	7.8	---	7.8	129	43	0.18	---	0.18	130	31	---	0.25	0.25
	130	32	---	0.25	0.25	130	33	---	0.25	0.25	130	34	0.20	0.25	0.45
	130	35	0.35	---	0.35	130	36	4.4	---	4.4	130	37	7.4	---	7.4
	130	38	2.4	---	2.4	130	39	0.88	---	0.88	130	40	19	---	19
	130	41	5.5	---	5.5	130	42	9.2	---	9.2	130	45	0.30	---	0.30
	130	47	0.60	---	0.60	131	31	---	0.05	0.05	131	32	---	0.25	0.25
	131	33	---	0.25	0.25	131	34	---	0.49	0.49	131	36	0.88	---	0.88
	131	37	2.6	---	2.6	131	38	2.9	---	2.9	131	41	1.2	---	1.2
	132	31	---	0.07	0.07	132	32	---	0.04	0.04	132	33	---	1.4	1.4
	132	34	---	0.50	0.50	132	37	0.30	---	0.30	133	31	---	0.35	0.35
	133	32	---	0.05	0.05	133	33	---	0.05	0.05	133	34	---	0.04	0.04
	133	40	1.1	---	1.1	133	47	1.7	---	1.7	134	31	---	0.05	0.05
	134	32	---	0.05	0.05	134	33	---	0.75	0.75	134	34	---	0.05	0.05
	135	32	---	0.05	0.05	135	33	---	0.75	0.75	135	34	---	0.05	0.05
	135	37	0.10	---	0.10	135	48	2.4	---	2.4	136	32	---	0.03	0.03
	136	33	---	<0.01	<0.01	136	34	---	1.2	1.2	137	33	---	0.60	0.60
	137	34	---	4.5	4.5	138	34	---	1.2	1.2	138	35	0.60	---	0.60
	138	40	1.1	---	1.1	139	33	---	3.0	3.0	139	34	---	3.9	3.9
	139	35	---	3.0	3.0	140	34	---	4.5	4.5	140	35	---	3.9	3.9
	141	34	---	1.1	1.1	141	35	---	2.4	2.4	141	40	0.90	---	0.90
	141	47	0.10	---	0.10	142	35	---	1.4	1.4	142	36	---	2.3	2.3
	143	34	---	0.63	0.63	143	35	---	1.1	1.1	143	36	---	6.4	6.4
	144	35	---	1.1	1.1	144	36	---	0.53	0.53	145	35	---	0.68	0.68
	145	36	---	1.3	1.3	145	37	---	6.0	6.0	146	35	---	0.68	0.68
	146	36	---	1.1	1.1	146	37	---	1.2	1.2	147	35	---	1.3	1.3
	147	36	---	0.53	0.53	147	37	---	4.9	4.9	148	35	---	0.06	0.06
	148	37	---	1.9	1.9	149	35	---	0.07	0.07	149	36	---	0.95	0.95

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
10	149	37	---	1.9	1.9	149	38	---	1.7	1.7	150	35	---	0.07	0.07
	150	36	---	0.95	0.95	150	37	---	1.9	1.9	150	38	---	1.7	1.7
	151	37	---	1.9	1.9	151	39	0.50	---	0.50	152	36	---	<0.01	<0.01
	152	37	---	<0.01	<0.01	153	36	---	0.02	0.02	153	37	---	0.01	0.01
	153	38	1.9	<0.01	1.9	154	36	---	0.02	0.02	154	37	---	0.02	0.02
	154	38	---	0.01	0.01	155	35	---	0.02	0.02	155	36	---	0.02	0.02
	155	37	---	0.02	0.02	155	38	---	0.02	0.02	156	35	---	0.02	0.02
	156	36	---	0.02	0.02	156	37	---	0.02	0.02	156	38	---	0.02	0.02
	156	41	0.20	---	0.20	157	36	---	0.02	0.02	157	37	---	0.02	0.02
	157	38	---	0.02	0.02	157	39	---	0.01	0.01	158	36	---	0.02	0.02
	158	37	---	0.02	0.02	158	38	---	0.01	0.01	158	39	---	0.01	0.01
	158	41	0.60	---	0.60	159	36	---	<0.01	<0.01	159	37	---	<0.01	<0.01
	159	38	---	<0.01	<0.01	159	39	---	<0.01	<0.01	160	36	---	0.04	0.04
	160	37	---	0.04	0.04	160	38	---	0.14	0.14	160	39	---	0.04	0.04
	161	36	---	0.04	0.04	161	37	---	0.04	0.04	161	38	---	0.04	0.04
	161	39	---	0.04	0.04	162	36	---	0.04	0.04	162	37	---	0.44	0.44
	162	38	---	0.34	0.34	162	39	---	0.44	0.44	163	37	---	0.04	0.04
	163	38	---	0.26	0.26	163	39	---	0.16	0.16	164	37	---	0.01	0.01
	164	38	---	0.09	0.09	164	39	---	0.31	0.31	165	37	---	0.02	0.02
	165	38	---	0.04	0.04	165	39	0.20	0.05	0.25	166	37	---	0.02	0.02
	166	38	---	0.02	0.02	166	39	---	0.54	0.54	166	40	---	0.04	0.04
	167	37	---	0.01	0.01	167	38	---	0.04	0.04	167	39	---	0.04	0.04
	167	40	---	0.04	0.04	168	38	---	0.04	0.04	168	39	---	0.04	0.04
	168	40	---	0.04	0.04	169	38	---	0.04	0.04	169	39	---	0.04	0.04
	169	40	---	0.04	0.04	169	41	---	0.04	0.04	169	42	0.20	---	0.20
	169	44	1.1	---	1.1	170	38	---	0.04	0.04	170	39	---	0.04	0.04
	170	40	---	0.04	0.04	170	41	---	0.04	0.04	171	38	---	0.03	0.03
	171	39	---	0.04	0.04	171	40	---	0.04	0.04	171	41	---	0.04	0.04
	171	44	5.4	---	5.4	172	38	---	0.03	0.03	172	39	---	0.03	0.03
	172	40	---	0.04	0.04	172	41	---	0.04	0.04	172	43	1.4	---	1.4
	173	38	---	0.03	0.03	173	39	---	0.03	0.03	173	40	---	0.03	0.03
	173	41	---	0.04	0.04	174	39	---	0.03	0.03	174	40	---	0.03	0.03
	174	41	---	0.03	0.03	175	39	---	0.03	0.03	175	40	---	0.03	0.03
	175	41	---	0.03	0.03	176	39	---	0.03	0.03	176	40	---	0.03	0.03
	176	41	---	0.03	0.03	176	45	0.80	---	0.80	177	39	---	0.03	0.03

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
10	177	40	---	0.03	0.03	177	41	---	0.03	0.03	177	42	---	0.02	0.02
	178	40	---	0.02	0.02	178	41	---	0.02	0.02	178	42	---	0.01	0.01
	179	40	---	<0.01	<0.01	179	41	---	0.01	0.01	179	42	---	<0.01	<0.01
	179	43	---	0.01	0.01	180	41	---	<0.01	<0.01	180	42	---	<0.01	<0.01
	180	43	---	<0.01	<0.01	181	42	---	<0.01	<0.01	181	43	---	<0.01	<0.01
	181	44	---	<0.01	<0.01	182	42	---	<0.01	<0.01	182	43	---	<0.01	<0.01
	182	44	---	<0.01	<0.01	182	45	---	<0.01	<0.01	183	43	---	<0.01	<0.01
	183	44	---	<0.01	<0.01	183	45	---	<0.01	<0.01	184	44	---	<0.01	<0.01
	184	45	---	0.01	0.01	184	46	---	0.01	0.01	185	45	---	0.01	0.01
	185	46	---	0.01	0.01	185	47	---	0.01	0.01	186	46	---	0.01	0.01
	186	47	---	0.01	0.01	186	48	---	0.01	0.01	187	47	---	0.01	0.01
	187	48	---	0.01	0.01	187	49	---	0,01	0.01	188	48	---	0.01	0.01
	188	49	---	0.01	0.01	188	50	---	0.01	0.01	188	51	---	0.31	0.31
	189	49	---	0.01	0.01	189	50	---	0.01	0.01	-	-	---	---	---
11	8	10	---	0.12	0.12	9	5	---	0.02	0.02	9	6	---	0.10	0.10
	9	8	---	0.13	0.13	9	9	---	0.32	0.32	9	10	---	0.34	0.34
	9	11	---	0.23	0.23	10	5	---	0.05	0.05	10	6	---	0.49	0.49
	10	7	---	0.43	0.43	10	8	---	0.36	0.36	10	9	---	0.34	0.34
	10	10	---	0.34	0.34	10	11	---	0.34	0.34	10	12	---	0.19	0.19
	11	4	---	0.03	0.03	11	5	---	0.13	0.13	11	6	---	0.13	0.13
	11	7	---	0.49	0.49	11	8	---	0.47	0.47	11	9	---	0.37	0.37
	11	10	0.36	0.37	0.73	11	11	---	0.37	0.37	11	12	---	0.37	0.37
	11	13	---	0.20	0.20	12	4	---	0.20	0.20	12	5	---	0.13	0.13
	12	6	0.04	0.13	0.16	12	7	---	0.49	0.49	12	8	---	0.49	0.49
	12	9	0.04	0.37	0.41	12	10	---	0.37	0.37	12	11	---	0.37	0.37
	12	12	---	0.37	0.37	12	13	---	0.34	0.34	12	14	---	0.12	0.12
	13	3	---	0.23	0.23	13	4	---	2.5	2.5	13	5	---	0.70	0.70
	13	6	---	0.63	0.63	13	7	---	0.49	0.49	13	8	1.8	0.52	2.3
	13	9	---	0.55	0.55	13	10	---	0.52	0.52	13	11	---	0.52	0.52
	13	12	---	0.47	0.47	13	13	---	0.13	0.13	13	14	---	0.03	0.03
	14	3	---	2.2	2.2	14	4	---	0.17	0.17	14	5	0.04	2.5	2.5
	14	6	---	3.7	3.7	14	7	---	2.6	2.6	14	8	0.82	0.68	1.5
	14	9	0.15	0.62	0.77	14	10	---	0.62	0.62	14	11	---	0.62	0.62
	14	12	---	0.62	0.62	14	13	---	0.24	0.24	15	5	---	0.99	0.99

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	15	6	---	2.3	2.3	15	7	---	2.1	2.1	15	8	---	1.9	1.9
	15	9	---	0.83	0.83	15	10	0.04	0.62	0.66	15	11	---	0.62	0.62
	15	12	0.40	0.33	0.73	15	13	---	0.47	0.47	16	5	---	0.99	0.99
	16	6	---	0.99	0.99	16	7	---	2.1	2.1	16	8	---	2.1	2.1
	16	9	---	2.1	2.1	16	10	---	0.86	0.86	16	11	0.01	0.62	0.63
	16	12	0.09	0.54	0.64	16	13	---	0.09	0.09	16	14	0.86	0.02	0.88
	17	5	---	0.99	0.99	17	6	---	0.17	0.17	17	7	---	2.1	2.1
	17	8	---	2.1	2.1	17	9	0.11	1.9	2.0	17	10	---	0.82	0.82
	17	11	---	0.80	0.80	17	12	---	0.62	0.62	17	13	---	0.57	0.57
	17	14	---	0.17	0.17	18	5	0.03	3.4	3.4	18	6	---	2.8	2.8
	18	7	---	0.17	0.17	18	8	0.21	2.1	2.3	18	9	---	1.0	1.0
	18	10	0.05	0.80	0.85	18	11	---	0.80	0.80	18	12	0.31	0.68	1.0
	18	13	---	0.18	0.18	18	14	---	0.06	0.06	18	15	---	0.02	0.02
	19	3	---	0.99	0.99	19	4	---	5.4	5.4	19	5	0.04	2.5	2.5
	19	6	---	1.6	1.6	19	7	---	0.70	0.70	19	8	---	0.32	0.32
	19	9	0.48	0.42	0.90	19	10	---	0.62	0.62	19	11	---	0.62	0.62
	19	12	---	0.35	0.35	19	13	---	0.11	0.11	19	14	---	0.10	0.10
	19	15	---	0.01	0.01	19	16	---	<0.01	<0.01	20	4	---	7.3	7.3
	20	5	---	7.3	7.3	20	6	---	6.7	6.7	20	7	---	3.0	3.0
	20	8	---	0.20	0.20	20	9	---	0.20	0.20	20	10	---	0.34	0.34
	20	11	---	0.47	0.47	20	12	---	0.11	0.11	20	13	---	0.11	0.11
	20	14	0.20	0.11	0.31	20	15	0.21	0.11	0.33	20	16	---	0.07	0.07
	21	4	---	3.6	3.6	21	5	---	7.3	7.3	21	6	---	7.3	7.3
	21	7	---	5.8	5.8	21	8	---	0.20	0.20	21	9	---	0.20	0.20
	21	10	---	0.20	0.20	21	11	---	0.18	0.18	21	12	---	0.12	0.12
	21	13	---	0.11	0.11	21	14	---	0.11	0.11	21	15	---	0.11	0.11
	21	16	---	0.10	0.10	22	4	---	3.6	3.6	22	5	---	7.3	7.3
	22	6	---	7.3	7.3	22	7	---	7.1	7.1	22	8	---	7.5	7.5
	22	9	---	0.03	0.03	22	10	---	3.7	3.7	22	11	---	1.1	1.1
	22	12	---	0.19	0.19	22	13	---	0.12	0.12	22	14	---	0.11	0.11
	22	15	---	0.11	0.11	22	16	0.04	0.17	0.20	22	17	---	0.49	0.49
	22	18	---	0.29	0.29	23	5	---	9.1	9.1	23	6	---	7.3	7.3
	23	7	---	7.8	7.8	23	8	---	8.1	8.1	23	10	---	4.4	4.4
	23	11	---	3.0	3.0	23	12	0.57	0.20	0.77	23	13	---	0.19	0.19
	23	14	---	0.13	0.13	23	15	0.03	0.11	0.14	23	16	---	0.64	0.64

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	23	17	---	0.80	0.80	23	18	---	0.42	0.42	24	5	---	7.2	7.2
	24	6	---	7.7	7.7	24	7	---	8.1	8.1	24	11	---	3.9	3.9
	24	12	---	0.20	0.20	24	13	---	0.20	0.20	24	14	---	0.20	0.20
	24	15	---	0.49	0.49	24	16	---	0.80	0.80	24	17	---	0.80	0.80
	24	18	---	0.80	0.80	25	5	---	3.3	3.3	25	6	---	8.1	8.1
	25	7	---	8.1	8.1	25	8	---	8.1	8.1	25	11	---	5.9	5.9
	25	12	0.16	0.20	0.36	25	13	---	0.20	0.20	25	14	---	0.37	0.37
	25	15	---	0.80	0.80	25	16	---	0.80	0.80	25	17	---	0.80	0.80
	25	18	---	0.77	0.77	25	19	---	0.03	0.03	26	5	---	9.0	9.0
	26	6	---	8.1	8.1	26	7	---	8.1	8.1	26	8	---	8.1	8.1
	26	11	---	6.0	6.0	26	12	0.07	1.1	1.2	26	13	---	0.27	0.27
	26	14	---	0.76	0.76	26	15	---	0.80	0.80	26	16	---	0.80	0.80
	26	17	---	0.80	0.80	26	18	---	0.61	0.61	26	19	---	0.23	0.23
	27	5	---	7.8	7.8	27	6	---	8.1	8.1	27	7	---	8.1	8.1
	27	8	---	9.9	9.9	27	11	---	6.0	6.0	27	12	---	2.7	2.7
	27	13	---	1.3	1.3	27	14	---	0.80	0.80	27	15	---	0.80	0.80
	27	16	---	0.80	0.80	27	17	---	0.80	0.80	27	18	---	0.80	0.80
	27	19	---	0.80	0.80	27	20	---	0.48	0.48	28	5	---	6.1	6.1
	28	6	---	7.0	7.0	28	7	---	9.4	9.4	28	8	---	12	12
	28	11	---	6.0	6.0	28	12	---	5.2	5.2	28	13	---	2.7	2.7
	28	14	---	1.9	1.9	28	15	---	0.77	0.77	28	16	---	0.80	0.80
	28	17	---	0.80	0.80	28	18	---	0.80	0.80	28	19	---	0.80	0.80
	28	20	---	0.71	0.71	29	5	---	6.1	6.1	29	6	---	6.6	6.6
	29	7	---	12	12	29	8	---	12	12	29	9	---	12	12
	29	12	---	3.5	3.5	29	13	---	2.7	2.7	29	14	---	2.7	2.7
	29	15	---	2.4	2.4	29	16	---	0.93	0.93	29	17	---	0.80	0.80
	29	18	---	0.80	0.80	29	19	---	0.80	0.80	29	20	---	0.77	0.77
	29	21	---	0.16	0.16	30	6	---	6.1	6.1	30	7	---	7.7	7.7
	30	8	---	12	12	30	9	---	12	12	30	12	---	2.7	2.7
	30	13	---	2.7	2.7	30	14	---	2.7	2.7	30	15	---	2.4	2.4
	30	16	---	3.7	3.7	30	17	---	1.8	1.8	30	18	---	0.80	0.80
	30	19	---	0.80	0.80	30	20	---	0.39	0.39	30	21	---	0.13	0.13
	31	6	---	6.4	6.4	31	7	---	10	10	31	8	---	11	11
	31	9	---	12	12	31	10	---	14	14	31	12	---	2.7	2.7
	31	13	---	2.7	2.7	31	14	0.10	2.7	2.8	31	15	---	3.8	3.8

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	31	16	---	4.4	4.4	31	17	---	4.4	4.4	31	18	---	2.6	2.6
	31	19	---	0.93	0.93	31	20	---	1.4	1.4	31	21	---	2.3	2.3
	31	22	---	0.70	0.70	32	6	---	9.1	9.1	32	7	0.70	11	12
	32	8	0.30	11	12	32	9	---	12	12	32	10	0.10	16	16
	32	11	---	16	16	32	13	---	2.7	2.7	32	14	---	6.0	6.0
	32	15	---	4.4	4.4	32	16	---	4.4	4.4	32	17	---	4.4	4.4
	32	18	---	4.4	4.4	32	19	---	3.0	3.0	32	20	---	3.0	3.0
	32	21	---	3.0	3.0	32	22	---	3.0	3.0	32	23	---	2.3	2.3
	33	7	---	11	11	33	8	---	11	11	33	9	---	11	11
	33	10	---	14	14	33	11	---	16	16	33	12	---	16	16
	33	13	---	16	16	33	15	---	6.9	6.9	33	16	---	4.4	4.4
	33	17	---	4.4	4.4	33	18	---	3.5	3.5	33	19	---	3.0	3.0
	33	20	---	3.0	3.0	33	21	---	3.0	3.0	33	22	---	3.0	3.0
	33	23	---	3.0	3.0	33	24	0.20	1.4	1.6	34	7	---	11	11
	34	8	---	11	11	34	9	---	12	12	34	10	---	16	16
	34	11	---	16	16	34	12	---	15	15	34	13	---	18	18
	34	14	---	18	18	34	16	---	6.4	6.4	34	17	---	5.1	5.1
	34	18	---	4.9	4.9	34	19	---	3.0	3.0	34	20	---	3.0	3.0
	34	21	---	3.0	3.0	34	22	---	3.0	3.0	34	23	---	3.0	3.0
	34	24	---	0.39	0.39	35	7	---	11	11	35	8	---	11	11
	35	9	---	10	10	35	10	---	13	13	35	11	---	15	15
	35	12	---	18	18	35	13	0.10	18	18	35	14	---	18	18
	35	15	---	18	18	35	17	---	8.0	8.0	35	18	---	6.5	6.5
	35	19	---	5.4	5.4	35	20	---	3.0	3.0	35	21	---	3.0	3.0
	35	22	---	3.0	3.0	35	23	---	3.0	3.0	35	24	---	1.8	1.8
	35	25	---	3.4	3.4	36	8	---	8.5	8.5	36	9	0.10	9.6	9.7
	36	10	---	9.6	9.6	36	11	---	13	13	36	12	---	18	18
	36	13	---	18	18	36	14	---	18	18	36	15	---	16	16
	36	16	---	8.9	8.9	36	18	---	8.0	8.0	36	19	---	6.5	6.5
	36	20	---	5.9	5.9	36	21	---	2.6	2.6	36	22	---	2.5	2.5
	36	23	---	2.9	2.9	36	24	---	3.0	3.0	36	25	---	3.0	3.0
	36	26	---	1.1	1.1	37	8	---	4.4	4.4	37	9	0.20	9.6	9.8
	37	10	---	9.6	9.6	37	11	---	9.6	9.6	37	12	---	12	12
	37	13	---	18	18	37	14	---	18	18	37	15	---	14	14
	37	16	---	13	13	37	17	0.20	13	13	37	19	---	7.8	7.8

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	37	20	---	4.3	4.3	37	21	---	2.2	2.2	37	22	---	2.2	2.2
	37	23	---	2.4	2.4	37	24	---	2.9	2.9	37	25	---	2.7	2.7
	37	26	---	3.2	3.2	37	27	---	2.7	2.7	38	8	---	4.0	4.0
	38	9	---	9.6	9.6	38	10	---	9.6	9.6	38	11	---	9.6	9.6
	38	12	---	9.6	9.6	38	13	---	11	11	38	14	---	13	13
	38	15	---	13	13	38	16	---	13	13	38	17	---	13	13
	38	18	---	13	13	38	20	---	2.2	2.2	38	21	---	2.2	2.2
	38	22	---	2.2	2.2	38	23	---	2.2	2.2	38	24	---	1.9	1.9
	38	25	---	2.7	2.7	38	26	---	3.2	3.2	38	27	---	3.2	3.2
	38	28	---	1.6	1.6	39	8	0.20	2.8	3.0	39	9	---	5.3	5.3
	39	10	1.5	9.6	11	39	11	---	9.6	9.6	39	12	---	9.6	9.6
	39	13	---	9.6	9.6	39	14	---	9.3	9.3	39	15	---	11	11
	39	16	---	13	13	39	17	---	13	13	39	18	---	11	11
	39	19	---	9.5	9.5	39	21	---	2.2	2.2	39	22	---	2.3	2.3
	39	23	---	1.8	1.8	39	24	---	1.7	1.7	39	25	---	2.2	2.2
	39	26	---	3.2	3.2	39	27	---	3.2	3.2	39	28	---	3.2	3.2
	39	29	---	3.0	3.0	39	30	---	1.2	1.2	39	31	---	1.0	1.0
	39	32	---	1.0	1.0	40	8	---	2.8	2.8	40	9	---	2.8	2.8
	40	10	---	5.6	5.6	40	11	---	9.6	9.6	40	12	---	9.1	9.1
	40	13	---	9.6	9.6	40	14	---	7.5	7.5	40	15	---	7.6	7.6
	40	16	---	11	11	40	17	---	12	12	40	18	---	9.5	9.5
	40	19	---	9.2	9.2	40	20	2.6	10	13	40	22	---	2.2	2.2
	40	23	---	1.7	1.7	40	24	---	1.7	1.7	40	25	---	2.6	2.6
	40	26	---	2.8	2.8	40	27	---	3.2	3.2	40	28	---	3.2	3.2
	40	29	---	2.8	2.8	40	30	---	2.1	2.1	40	31	---	1.8	1.8
	40	32	---	0.95	0.95	40	33	---	1.0	1.0	41	12	---	6.8	6.8
	41	13	---	7.4	7.4	41	14	0.30	7.3	7.6	41	15	---	7.3	7.3
	41	16	---	7.3	7.3	41	17	---	8.5	8.5	41	18	---	9.2	9.2
	41	19	---	9.2	9.2	41	20	---	9.2	9.2	41	21	---	9.3	9.3
	41	22	---	1.7	1.7	41	23	---	1.7	1.7	41	24	---	1.7	1.7
	41	25	---	1.7	1.7	41	26	---	2.7	2.7	41	27	---	2.7	2.7
	41	28	---	3.2	3.2	41	29	---	2.5	2.5	41	30	---	2.1	2.1
	41	31	---	2.1	2.1	41	32	---	2.1	2.1	41	33	---	1.9	1.9
	41	34	---	1.6	1.6	42	11	0.10	---	0.10	42	12	---	5.9	5.9
	42	13	0.30	7.3	7.6	42	14	---	7.3	7.3	42	15	---	7.3	7.3

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	42	16	---	7.3	7.3	42	17	---	7.3	7.3	42	18	---	8.3	8.3
	42	19	---	9.2	9.2	42	20	---	8.6	8.6	42	21	---	7.2	7.2
	42	22	---	7.2	7.2	42	23	---	7.2	7.2	42	27	---	2.3	2.3
	42	28	---	2.0	2.0	42	29	---	1.5	1.5	42	30	---	1.8	1.8
	42	31	---	2.1	2.1	42	32	---	2.1	2.1	42	33	---	2.1	2.1
	42	34	---	2.1	2.1	42	35	---	1.5	1.5	42	36	---	1.9	1.9
	43	12	---	4.1	4.1	43	13	---	4.6	4.6	43	14	---	6.9	6.9
	43	15	---	7.3	7.3	43	16	---	7.3	7.3	43	17	---	7.4	7.4
	43	18	---	9.0	9.0	43	19	---	8.7	8.7	43	20	---	7.2	7.2
	43	21	---	7.2	7.2	43	22	---	7.2	7.2	43	23	---	7.2	7.2
	43	24	---	4.6	4.6	43	25	---	2.9	2.9	43	26	---	2.9	2.9
	43	27	---	2.9	2.9	43	28	---	2.0	2.0	43	29	---	1.5	1.5
	43	30	---	1.5	1.5	43	31	---	2.1	2.1	43	32	---	2.1	2.1
	43	33	---	2.1	2.1	43	34	---	1.8	1.8	43	35	---	1.9	1.9
	43	36	---	1.9	1.9	43	37	---	1.9	1.9	43	38	---	0.10	0.10
	43	39	---	0.38	0.38	44	12	---	3.7	3.7	44	13	---	3.7	3.7
	44	14	---	6.4	6.4	44	15	---	7.3	7.3	44	16	---	7.3	7.3
	44	17	---	8.3	8.3	44	18	---	9.5	9.5	44	19	0.80	9.3	10
	44	20	---	7.7	7.7	44	21	---	7.2	7.2	44	22	---	7.2	7.2
	44	23	---	5.3	5.3	44	24	---	2.9	2.9	44	25	---	2.9	2.9
	44	26	---	2.9	2.9	44	27	---	2.9	2.9	44	28	---	1.7	1.7
	44	29	---	1.5	1.5	44	30	---	1.5	1.5	44	31	---	1.8	1.8
	44	32	---	1.7	1.7	44	33	---	2.1	2.1	44	34	---	1.9	1.9
	44	35	---	1.9	1.9	44	36	---	1.9	1.9	44	37	---	1.9	1.9
	44	38	---	1.8	1.8	44	39	---	2.0	2.0	45	12	---	3.7	3.7
	45	13	---	3.7	3.7	45	14	---	3.5	3.5	45	15	---	3.5	3.5
	45	16	---	10	10	45	17	---	8.2	8.2	45	18	---	6.4	6.4
	45	19	---	13	13	45	20	---	13	13	45	21	---	8.9	8.9
	45	22	---	7.3	7.3	45	23	---	2.9	2.9	45	24	---	2.9	2.9
	45	25	---	2.9	2.9	45	26	---	2.9	2.9	45	27	---	2.4	2.4
	45	28	---	1.8	1.8	45	29	---	1.5	1.5	45	30	4.0	1.5	5.4
	45	31	3.5	1.5	4.9	45	32	---	1.5	1.5	45	33	---	5.3	5.3
	45	34	---	1.9	1.9	45	35	---	1.9	1.9	45	36	---	1.9	1.9
	45	37	---	1.1	1.1	45	38	---	1.8	1.8	45	39	---	1.5	1.5
	45	40	---	0.25	0.25	46	12	---	3.7	3.7	46	13	---	3.7	3.7

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	46	14	---	9.2	9.2	46	15	0.30	---	0.30	46	16	0.20	---	0.20
	46	17	---	11	11	46	18	---	9.6	9.6	46	19	---	9.6	9.6
	46	20	---	13	13	46	21	---	9.6	9.6	46	22	---	9.6	9.6
	46	23	---	6.7	6.7	46	24	---	2.9	2.9	46	25	---	2.9	2.9
	46	26	---	2.9	2.9	46	27	---	2.9	2.9	46	28	---	1.9	1.9
	46	29	---	1.5	1.5	46	30	---	1.5	1.5	46	31	---	1.5	1.5
	46	32	---	1.5	1.5	46	33	---	2.8	2.8	46	34	---	1.1	1.1
	46	35	---	1.9	1.9	46	36	---	2.4	2.4	46	37	---	3.5	3.5
	46	38	---	3.5	3.5	46	39	---	3.7	3.7	46	40	---	2.8	2.8
	46	41	---	0.92	0.92	47	12	---	3.7	3.7	47	13	---	3.9	3.9
	47	14	---	5.0	5.0	47	15	---	11	11	47	16	---	7.5	7.5
	47	21	---	9.6	9.6	47	22	---	9.6	9.6	47	23	---	9.6	9.6
	47	24	---	9.1	9.1	47	25	---	4.9	4.9	47	26	---	2.6	2.6
	47	27	---	2.9	2.9	47	28	---	1.9	1.9	47	29	---	1.8	1.8
	47	30	---	3.4	3.4	47	31	---	5.3	5.3	47	32	---	5.1	5.1
	47	33	---	6.9	6.9	47	34	---	6.9	6.9	47	35	---	5.9	5.9
	47	36	---	4.1	4.1	47	37	---	4.1	4.1	47	38	---	3.7	3.7
	47	39	---	3.7	3.7	47	40	3.1	3.7	6.8	47	41	8.0	3.7	12
	48	12	---	3.7	3.7	48	13	---	5.3	5.3	48	14	---	11	11
	48	15	---	11	11	48	16	---	11	11	48	17	---	4.0	4.0
	48	18	0.10	5.6	5.7	48	19	---	3.1	3.1	48	26	---	2.3	2.3
	48	27	---	2.9	2.9	48	28	---	2.5	2.5	48	29	---	3.9	3.9
	48	30	---	5.3	5.3	48	31	---	5.3	5.3	48	32	---	5.3	5.3
	48	33	---	6.1	6.1	48	34	---	6.9	6.9	48	35	---	6.9	6.9
	48	36	---	5.2	5.2	48	37	---	4.5	4.5	48	38	---	3.7	3.7
	48	39	---	3.7	3.7	48	40	---	3.7	3.7	48	41	---	3.7	3.7
	48	42	---	0.92	0.92	49	12	0.80	4.6	5.4	49	13	---	7.2	7.2
	49	14	---	13	13	49	15	---	13	13	49	16	---	5.6	5.6
	49	17	0.20	4.9	5.1	49	18	---	8.8	8.8	49	19	---	8.4	8.4
	49	20	---	7.7	7.7	49	21	---	8.4	8.4	49	22	---	8.5	8.5
	49	23	---	8.5	8.5	49	24	---	8.5	8.5	49	26	---	0.55	0.55
	49	27	---	3.2	3.2	49	28	---	2.7	2.7	49	29	---	5.0	5.0
	49	30	---	5.3	5.3	49	31	---	5.3	5.3	49	32	---	5.3	5.3
	49	33	---	8.0	8.0	49	34	---	9.7	9.7	49	35	---	6.9	6.9
	49	36	---	6.9	6.9	49	37	---	6.9	6.9	49	38	---	4.5	4.5

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	49	39	---	3.7	3.7	49	40	---	3.7	3.7	49	41	---	3.7	3.7
	49	42	---	2.4	2.4	49	43	---	1.4	1.4	50	14	---	11	11
	50	15	---	16	16	50	16	0.70	13	13	50	17	---	11	11
	50	18	---	4.9	4.9	50	19	---	5.3	5.3	50	20	---	10	10
	50	21	---	4.9	4.9	50	22	---	8.5	8.5	50	23	---	8.5	8.5
	50	24	---	8.5	8.5	50	25	---	3.6	3.6	50	27	---	0.78	0.78
	50	28	---	4.3	4.3	50	29	---	4.8	4.8	50	30	---	5.9	5.9
	50	31	---	5.3	5.3	50	32	---	5.3	5.3	50	33	---	8.0	8.0
	50	34	---	8.0	8.0	50	35	---	7.1	7.1	50	36	---	5.2	5.2
	50	37	---	6.9	6.9	50	38	---	6.9	6.9	50	39	---	5.3	5.3
	50	40	---	3.7	3.7	50	41	---	3.7	3.7	50	42	---	1.9	1.9
	50	43	---	1.6	1.6	50	44	---	1.6	1.6	51	14	0.20	16	16
	51	15	0.50	16	16	51	16	---	16	16	51	17	---	10	10
	51	18	---	11	11	51	19	---	10	10	51	20	---	5.9	5.9
	51	21	---	4.9	4.9	51	22	---	4.9	4.9	51	23	---	4.9	4.9
	51	24	---	8.5	8.5	51	25	---	8.5	8.5	51	26	---	3.6	3.6
	51	27	---	1.0	1.0	51	28	---	4.8	4.8	51	29	---	5.6	5.6
	51	30	---	5.8	5.8	51	31	---	8.0	8.0	51	32	---	8.0	8.0
	51	33	---	8.0	8.0	51	34	---	8.0	8.0	51	35	---	5.3	5.3
	51	36	---	7.8	7.8	51	37	---	6.9	6.9	51	38	---	6.9	6.9
	51	39	---	5.2	5.2	51	40	---	6.1	6.1	51	41	---	3.7	3.7
	51	42	---	4.8	4.8	51	43	---	1.4	1.4	51	44	---	1.6	1.6
	52	13	0.70	15	16	52	14	---	16	16	52	15	---	16	16
	52	16	---	16	16	52	17	---	10	10	52	18	---	10	10
	52	19	---	6.4	6.4	52	20	---	3.1	3.1	52	21	---	8.5	8.5
	52	22	---	4.9	4.9	52	23	---	4.9	4.9	52	24	---	8.5	8.5
	52	25	---	8.5	8.5	52	26	---	5.3	5.3	52	27	---	5.3	5.3
	52	28	---	1.7	1.7	52	29	---	3.6	3.6	52	30	---	4.1	4.1
	52	31	---	9.0	9.0	52	32	---	8.0	8.0	52	33	---	8.0	8.0
	52	34	---	8.0	8.0	52	35	---	5.3	5.3	52	36	---	6.1	6.1
	52	37	---	6.9	6.9	52	38	---	6.9	6.9	52	39	---	5.2	5.2
	52	40	---	7.2	7.2	52	41	---	6.2	6.2	52	42	---	6.2	6.2
	52	43	---	6.4	6.4	52	44	---	1.4	1.4	52	45	---	1.6	1.6
	53	13	3.1	7.1	10	53	14	---	15	15	53	15	---	16	16
	53	16	---	16	16	53	17	---	16	16	53	18	---	16	16

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	53	19	---	9.1	9.1	53	20	---	8.1	8.1	53	21	---	6.7	6.7
	53	23	---	9.1	9.1	53	24	---	9.1	9.1	53	25	---	10	10
	53	26	---	8.5	8.5	53	27	---	0.43	0.43	53	28	---	1.2	1.2
	53	29	---	4.5	4.5	53	30	---	4.8	4.8	53	31	---	5.6	5.6
	53	32	---	5.3	5.3	53	33	---	5.3	5.3	53	34	---	5.3	5.3
	53	35	---	5.3	5.3	53	36	---	5.9	5.9	53	37	---	6.6	6.6
	53	38	---	5.2	5.2	53	39	---	5.2	5.2	53	40	---	6.4	6.4
	53	41	---	11	11	53	42	---	7.5	7.5	53	43	---	6.4	6.4
	53	44	---	3.3	3.3	53	45	1.6	1.5	3.0	54	13	1.7	4.5	6.2
	54	14	---	7.1	7.1	54	15	---	13	13	54	16	---	15	15
	54	17	---	16	16	54	18	---	9.8	9.8	54	19	---	7.0	7.0
	54	20	---	7.0	7.0	54	21	---	4.9	4.9	54	22	---	9.4	9.4
	54	23	---	6.4	6.4	54	24	---	7.0	7.0	54	25	---	6.4	6.4
	54	26	---	5.0	5.0	54	27	---	3.8	3.8	54	28	---	4.8	4.8
	54	29	---	4.8	4.8	54	30	---	4.8	4.8	54	31	---	4.1	4.1
	54	32	---	5.1	5.1	54	33	---	5.3	5.3	54	34	---	5.3	5.3
	54	35	---	5.9	5.9	54	36	---	4.8	4.8	54	37	---	4.8	4.8
	54	38	---	4.9	4.9	54	39	---	5.2	5.2	54	40	---	6.2	6.2
	54	41	---	7.5	7.5	54	42	---	7.5	7.5	54	43	---	7.5	7.5
	54	44	---	6.4	6.4	54	45	---	1.3	1.3	55	14	---	3.5	3.5
	55	15	---	4.9	4.9	55	16	---	6.0	6.0	55	17	---	9.5	9.5
	55	18	---	7.0	7.0	55	19	---	7.0	7.0	55	20	---	7.0	7.0
	55	21	---	7.0	7.0	55	22	---	7.0	7.0	55	23	---	6.4	6.4
	55	24	---	5.8	5.8	55	25	---	5.8	5.8	55	26	---	5.5	5.5
	55	27	---	4.8	4.8	55	28	---	4.8	4.8	55	29	---	4.8	4.8
	55	30	---	4.8	4.8	55	31	---	4.1	4.1	55	32	---	7.2	7.2
	55	33	---	5.3	5.3	55	34	---	6.9	6.9	55	35	0.05	4.8	4.8
	55	36	---	4.8	4.8	55	37	---	4.8	4.8	55	38	---	4.8	4.8
	55	39	---	4.8	4.8	55	40	---	6.0	6.0	55	41	---	5.3	5.3
	55	42	---	6.5	6.5	55	43	---	7.5	7.5	55	44	---	20	20
	55	45	---	3.4	3.4	55	46	10	1.5	12	56	15	---	3.2	3.2
	56	16	---	2.7	2.7	56	17	---	7.0	7.0	56	18	---	7.0	7.0
	56	19	---	7.0	7.0	56	20	---	7.0	7.0	56	21	---	7.0	7.0
	56	22	---	7.0	7.0	56	23	---	6.4	6.4	56	24	---	5.8	5.8
	56	25	---	5.8	5.8	56	26	---	5.7	5.7	56	27	---	5.0	5.0

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	56	28	---	4.8	4.8	56	29	---	4.7	4.7	56	30	---	4.8	4.8
	56	31	---	4.8	4.8	56	32	---	4.8	4.8	56	33	---	7.3	7.3
	56	34	---	3.7	3.7	56	35	---	3.7	3.7	56	36	---	4.8	4.8
	56	37	---	4.8	4.8	56	38	---	4.8	4.8	56	39	---	4.8	4.8
	56	40	---	4.8	4.8	56	41	---	4.1	4.1	56	42	---	1.8	1.8
	56	43	---	5.6	5.6	56	44	---	4.5	4.5	56	45	---	1.5	1.5
	56	46	---	1.5	1.5	57	20	6.8	---	6.8	57	21	---	2.1	2.1
	57	22	---	6.9	6.9	57	23	---	5.8	5.8	57	24	---	5.8	5.8
	57	25	---	5.8	5.8	57	26	---	5.8	5.8	57	27	---	5.6	5.6
	57	28	---	4.9	4.9	57	29	---	4.7	4.7	57	30	---	4.9	4.9
	57	31	---	4.8	4.8	57	32	---	4.8	4.8	57	33	---	3.0	3.0
	57	34	---	3.4	3.4	57	35	---	4.6	4.6	57	36	---	4.8	4.8
	57	37	---	3.9	3.9	57	38	---	4.8	4.8	57	39	---	4.8	4.8
	57	40	---	3.8	3.8	57	41	---	1.8	1.8	57	42	---	1.8	1.8
	57	43	---	1.8	1.8	57	44	---	1.3	1.3	57	45	---	1.5	1.5
	57	46	---	1.5	1.5	58	26	---	5.8	5.8	58	27	---	4.2	4.2
	58	28	---	1.1	1.1	58	29	---	4.7	4.7	58	30	---	4.7	4.7
	58	31	---	4.5	4.5	58	32	---	3.1	3.1	58	33	---	2.9	2.9
	58	34	---	2.9	2.9	58	35	---	2.9	2.9	58	36	---	3.7	3.7
	58	37	---	2.4	2.4	58	38	---	5.1	5.1	58	39	---	4.8	4.8
	58	40	---	5.1	5.1	58	41	---	2.8	2.8	58	42	---	1.8	1.8
	58	43	---	1.8	1.8	58	44	---	1.7	1.7	58	45	---	1.6	1.6
	58	46	---	1.5	1.5	58	47	---	1.5	1.5	59	28	---	1.1	1.1
	59	29	---	1.1	1.1	59	30	---	4.7	4.7	59	31	---	4.7	4.7
	59	32	---	3.7	3.7	59	33	---	2.9	2.9	59	34	---	2.9	2.9
	59	35	---	2.9	2.9	59	36	---	2.9	2.9	59	37	---	2.9	2.9
	59	38	---	3.9	3.9	59	39	---	4.8	4.8	59	40	---	4.9	4.9
	59	41	---	0.46	0.46	59	42	0.04	1.4	1.5	59	43	---	1.8	1.8
	59	44	---	1.8	1.8	59	45	---	1.2	1.2	59	46	---	0.61	0.61
	59	47	---	1.5	1.5	60	29	---	1.1	1.1	60	30	---	1.1	1.1
	60	31	---	1.1	1.1	60	32	---	4.7	4.7	60	33	---	4.9	4.9
	60	34	---	2.9	2.9	60	35	---	1.5	1.5	60	36	---	2.9	2.9
	60	37	---	2.9	2.9	60	38	---	2.4	2.4	60	39	---	3.9	3.9
	60	40	---	2.0	2.0	60	41	---	0.55	0.55	60	42	---	0.77	0.77
	60	43	---	1.8	1.8	60	44	---	1.8	1.8	60	45	---	1.8	1.8

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	60	46	---	0.68	0.68	60	47	---	0.09	0.09	61	30	---	1.1	1.1
	61	31	---	1.1	1.1	61	32	---	5.7	5.7	61	33	---	6.4	6.4
	61	34	---	5.1	5.1	61	35	---	1.6	1.6	61	36	---	1.5	1.5
	61	37	---	1.5	1.5	61	38	---	2.9	2.9	61	39	---	1.5	1.5
	61	40	---	0.28	0.28	61	41	---	1.7	1.7	61	42	---	0.55	0.55
	61	43	---	0.68	0.68	61	44	---	1.6	1.6	61	45	---	0.98	0.98
	61	46	---	0.50	0.50	61	47	0.04	0.25	0.29	62	32	---	1.5	1.5
	62	33	---	6.4	6.4	62	34	---	6.4	6.4	62	35	---	5.9	5.9
	62	36	---	2.9	2.9	62	37	---	1.5	1.5	62	38	0.20	1.7	1.9
	62	39	---	2.7	2.7	62	40	---	2.6	2.6	62	41	---	2.4	2.4
	62	42	---	0.37	0.37	62	43	---	0.37	0.37	62	44	---	0.46	0.46
	62	45	---	0.55	0.55	62	46	---	0.50	0.50	62	47	---	0.28	0.28
	63	32	---	1.5	1.5	63	33	---	1.5	1.5	63	34	---	6.4	6.4
	63	35	---	6.4	6.4	63	36	---	6.2	6.2	63	37	---	2.1	2.1
	63	38	---	0.78	0.78	63	39	---	1.1	1.1	63	40	---	3.1	3.1
	63	41	---	2.6	2.6	63	42	---	3.1	3.1	63	43	---	0.37	0.37
	63	44	---	0.18	0.18	63	45	---	0.20	0.20	63	46	---	0.38	0.38
	63	47	---	0.34	0.34	63	48	8.1	0.25	8.3	63	83	---	0.03	0.03
	64	29	---	0.10	0.10	64	30	---	0.62	0.62	64	31	---	1.5	1.5
	64	32	0.30	1.5	1.8	64	33	---	1.5	1.5	64	34	---	1.5	1.5
	64	35	---	6.4	6.4	64	36	---	5.2	5.2	64	37	---	1.8	1.8
	64	38	---	0.78	0.78	64	39	0.10	0.78	0.88	64	40	---	1.8	1.8
	64	41	---	2.6	2.6	64	42	---	3.1	3.1	64	43	---	2.6	2.6
	64	44	---	1.8	1.8	64	45	---	0.08	0.08	64	46	---	0.05	0.05
	64	47	---	0.23	0.23	64	48	---	0.21	0.21	64	81	---	0.08	0.08
	64	82	---	0.08	0.08	65	30	---	0.49	0.49	65	31	---	1.5	1.5
	65	32	---	1.5	1.5	65	33	---	1.5	1.5	65	34	---	1.5	1.5
	65	35	---	1.3	1.3	65	36	---	1.9	1.9	65	37	---	1.8	1.8
	65	38	---	1.0	1.0	65	39	---	0.78	0.78	65	40	---	0.78	0.78
	65	41	---	2.7	2.7	65	42	---	3.1	3.1	65	43	---	2.6	2.6
	65	44	---	0.54	0.54	65	45	---	0.14	0.14	65	46	---	0.14	0.14
	65	47	---	0.14	0.14	65	48	---	0.14	0.14	65	49	0.32	0.23	0.56
	65	79	---	0.04	0.04	65	80	---	0.07	0.07	65	81	---	0.08	0.08
	65	82	---	0.07	0.07	66	30	---	0.39	0.39	66	31	---	0.58	0.58
	66	32	---	1.5	1.5	66	33	---	1.5	1.5	66	34	---	1.3	1.3

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	66	35	---	1.7	1.7	66	36	---	1.8	1.8	66	37	0.10	1.4	1.5
	66	38	---	1.1	1.1	66	39	---	0.78	0.78	66	40	---	0.78	0.78
	66	41	---	1.1	1.1	66	42	---	2.6	2.6	66	43	---	0.98	0.98
	66	44	---	0.14	0.14	66	45	1.3	0.10	1.4	66	46	---	0.14	0.14
	66	47	---	0.14	0.14	66	48	---	0.10	0.10	66	49	---	0.20	0.20
	66	77	---	0.03	0.03	66	78	---	0.03	0.03	66	79	---	0.03	0.03
	66	80	---	0.03	0.03	66	81	---	0.04	0.04	66	82	---	0.03	0.03
	67	30	---	0.39	0.39	67	31	---	0.58	0.58	67	32	11	1.5	12
	67	33	---	1.5	1.5	67	34	---	1.0	1.0	67	35	---	1.5	1.5
	67	36	---	1.4	1.4	67	37	---	1.4	1.4	67	38	---	1.4	1.4
	67	39	---	1.0	1.0	67	40	---	0.78	0.78	67	41	---	1.3	1.3
	67	42	---	1.5	1.5	67	43	---	0.14	0.14	67	44	---	0.14	0.14
	67	45	---	0.14	0.14	67	46	---	0.14	0.14	67	47	---	0.15	0.15
	67	48	---	0.10	0.10	67	49	---	0.22	0.22	67	50	---	0.10	0.10
	67	51	---	0.01	0.01	67	75	---	0.03	0.03	67	76	---	0.03	0.03
	67	77	---	0.03	0.03	67	78	---	0.03	0.03	67	79	---	0.03	0.03
	67	80	---	0.03	0.03	67	81	---	0.02	0.02	68	30	---	0.10	0.10
	68	31	---	0.49	0.49	68	32	---	0.58	0.58	68	33	---	1.4	1.4
	68	34	---	1.0	1.0	68	35	---	1.7	1.7	68	36	---	1.5	1.5
	68	37	0.10	1.8	1.9	68	38	---	1.8	1.8	68	39	---	1.9	1.9
	68	40	---	2.5	2.5	68	41	---	2.5	2.5	68	42	---	2.4	2.4
	68	43	---	0.69	0.69	68	44	---	0.14	0.14	68	45	---	0.14	0.14
	68	46	---	0.14	0.14	68	47	---	0.13	0.13	68	48	---	0.11	0.11
	68	49	---	0.20	0.20	68	50	---	0.06	0.06	68	51	0.15	---	0.15
	68	74	---	0.02	0.02	68	75	---	0.03	0.03	68	76	---	0.03	0.03
	68	77	---	0.03	0.03	68	78	---	0.03	0.03	68	79	---	0.03	0.03
	68	80	---	0.03	0.03	68	81	---	0.03	0.03	69	32	---	0.10	0.10
	69	33	---	1.4	1.4	69	34	---	1.8	1.8	69	35	---	1.8	1.8
	69	36	---	1.5	1.5	69	37	---	1.6	1.6	69	38	---	1.4	1.4
	69	39	---	1.9	1.9	69	40	---	2.9	2.9	69	41	---	2.9	2.9
	69	42	---	2.4	2.4	69	43	---	0.79	0.79	69	44	---	0.20	0.20
	69	45	---	0.14	0.14	69	46	---	0.15	0.15	69	47	---	0.20	0.20
	69	48	---	0.20	0.20	69	49	---	0.15	0.15	69	50	---	0.15	0.15
	69	72	3.5	---	3.5	69	74	---	0.02	0.02	69	75	---	0.01	0.01
	69	76	---	0.01	0.01	69	77	---	0.01	0.01	69	78	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	69	79	---	0.02	0.02	69	80	---	0.03	0.03	69	81	---	0.03	0.03
	69	82	---	0.01	0.01	70	34	---	0.98	0.98	70	35	---	1.4	1.4
	70	36	---	1.7	1.7	70	37	---	1.7	1.7	70	38	---	1.8	1.8
	70	39	---	1.5	1.5	70	40	---	2.4	2.4	70	41	0.60	2.4	3.0
	70	42	---	2.0	2.0	70	43	---	0.40	0.40	70	44	---	0.33	0.33
	70	45	---	0.14	0.14	70	46	---	0.18	0.18	70	47	---	0.20	0.20
	70	48	---	0.20	0.20	70	49	---	0.20	0.20	70	50	---	0.15	0.15
	70	73	---	0.02	0.02	70	74	---	0.03	0.03	70	75	---	0.03	0.03
	70	76	---	0.02	0.02	70	77	---	0.01	0.01	70	78	---	0.01	0.01
	70	79	---	0.01	0.01	70	80	---	0.02	0.02	70	81	---	0.02	0.02
	71	36	---	0.53	0.53	71	37	---	0.12	0.12	71	38	---	0.97	0.97
	71	39	---	2.2	2.2	71	40	---	2.9	2.9	71	41	---	2.9	2.9
	71	42	---	1.3	1.3	71	43	---	0.40	0.40	71	44	0.30	0.40	0.70
	71	45	---	0.30	0.30	71	46	---	0.30	0.30	71	47	---	0.20	0.20
	71	48	---	0.20	0.20	71	49	---	0.20	0.20	71	50	0.30	0.20	0.50
	71	51	---	0.01	0.01	71	69	---	0.03	0.03	71	71	---	0.01	0.01
	71	72	---	0.02	0.02	71	73	---	0.03	0.03	71	74	---	0.03	0.03
	71	75	---	0.02	0.02	71	76	---	0.02	0.02	71	77	---	0.02	0.02
	71	78	---	0.02	0.02	71	79	---	0.02	0.02	71	80	---	0.01	0.01
	71	81	---	<0.01	<0.01	72	36	---	0.10	0.10	72	37	---	0.10	0.10
	72	38	---	0.12	0.12	72	39	---	1.2	1.2	72	40	---	2.4	2.4
	72	41	---	2.4	2.4	72	42	---	1.9	1.9	72	43	---	0.40	0.40
	72	44	---	0.40	0.40	72	45	---	0.40	0.40	72	46	---	0.40	0.40
	72	47	---	0.30	0.30	72	48	---	0.20	0.20	72	49	---	0.20	0.20
	72	50	---	0.20	0.20	72	51	---	0.01	0.01	72	68	---	0.08	0.08
	72	69	---	0.08	0.08	72	70	---	0.08	0.08	72	71	---	0.05	0.05
	72	72	---	0.03	0.03	72	73	---	0.03	0.03	72	74	---	0.03	0.03
	72	75	---	0.02	0.02	72	76	---	0.02	0.02	72	77	---	0.02	0.02
	72	78	---	0.02	0.02	72	79	---	0.01	0.01	72	80	---	<0.01	<0.01
	72	81	---	0.01	0.01	73	36	---	0.09	0.09	73	37	---	0.09	0.09
	73	38	---	0.09	0.09	73	39	---	0.10	0.10	73	40	---	2.4	2.4
	73	41	---	2.4	2.4	73	42	---	2.9	2.9	73	43	---	0.89	0.89
	73	44	0.60	0.30	0.90	73	45	---	0.40	0.40	73	46	0.10	0.40	0.50
	73	47	---	0.40	0.40	73	48	---	0.25	0.25	73	49	0.20	0.20	0.40
	73	50	---	0.20	0.20	73	51	---	0.10	0.10	73	66	---	0.07	0.07

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	73	67	---	0.08	0.08	73	68	---	0.08	0.08	73	69	---	0.08	0.08
	73	70	---	0.08	0.08	73	71	---	0.08	0.08	73	72	---	0.07	0.07
	73	73	---	0.03	0.03	73	74	---	0.03	0.03	73	75	---	0.02	0.02
	73	76	---	0.01	0.01	73	77	---	0.01	0.01	73	79	---	<0.01	<0.01
	73	80	---	0.01	0.01	73	81	---	0.01	0.01	74	37	---	0.01	0.01
	74	38	---	0.10	0.10	74	39	---	0.12	0.12	74	40	---	1.2	1.2
	74	41	---	2.4	2.4	74	42	---	2.4	2.4	74	43	---	1.4	1.4
	74	44	---	0.40	0.40	74	45	---	0.40	0.40	74	46	---	0.40	0.40
	74	47	0.30	0.21	0.51	74	48	---	0.16	0.16	74	49	---	0.20	0.20
	74	50	---	0.20	0.20	74	51	---	0.56	0.56	74	52	---	<0.01	<0.01
	74	65	---	0.03	0.03	74	66	---	0.03	0.03	74	67	---	0.08	0.08
	74	68	---	0.08	0.08	74	69	---	0.08	0.08	74	70	---	0.08	0.08
	74	71	---	0.08	0.08	74	72	---	0.08	0.08	74	73	---	0.09	0.09
	74	74	---	0.02	0.02	74	79	---	<0.01	<0.01	74	80	---	0.01	0.01
	74	81	---	0.01	0.01	74	84	---	0.02	0.02	74	85	---	0.02	0.02
	75	39	---	0.06	0.06	75	40	---	0.48	0.48	75	41	---	1.5	1.5
	75	42	---	2.2	2.2	75	43	---	1.5	1.5	75	44	---	0.60	0.60
	75	45	---	0.40	0.40	75	46	---	0.40	0.40	75	47	---	0.21	0.21
	75	48	---	0.02	0.02	75	49	---	0.02	0.02	75	50	---	0.43	0.43
	75	51	---	0.74	0.74	75	52	---	0.37	0.37	75	64	---	0.03	0.03
	75	65	---	0.03	0.03	75	66	---	0.03	0.03	75	67	---	0.03	0.03
	75	68	---	0.02	0.02	75	69	---	0.09	0.09	75	70	---	0.08	0.08
	75	71	---	0.08	0.08	75	72	---	0.08	0.08	75	73	---	0.08	0.08
	75	74	---	0.06	0.06	75	79	---	<0.01	<0.01	75	80	---	0.01	0.01
	75	81	---	<0.01	<0.01	75	82	---	0.02	0.02	75	83	---	0.04	0.04
	75	84	---	0.04	0.04	76	40	---	0.41	0.41	76	41	---	1.5	1.5
	76	42	---	1.5	1.5	76	43	---	0.98	0.98	76	44	---	0.59	0.59
	76	45	---	0.69	0.69	76	46	---	0.21	0.21	76	47	---	0.01	0.01
	76	48	---	0.01	0.01	76	49	---	0.39	0.39	76	50	---	0.19	0.19
	76	51	0.60	0.56	1.2	76	52	---	0.74	0.74	76	53	---	<0.01	<0.01
	76	54	---	<0.01	<0.01	76	63	---	0.02	0.02	76	64	---	0.03	0.03
	76	65	---	0.03	0.03	76	66	---	0.03	0.03	76	67	---	0.03	0.03
	76	68	---	0.02	0.02	76	69	---	0.08	0.08	76	70	---	0.07	0.07
	76	71	---	0.08	0.08	76	72	0.80	0.08	0.88	76	73	---	0.08	0.08
	76	74	---	0.06	0.06	76	79	6.5	<0.01	6.5	76	80	27	0.01	27

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total	Row	Col.	Ground-water pumpage (million gallons per day) Point	Areal	Total
11	76	81	1.4	0.03	1.4	76	82	---	0.02	0.02	76	83	---	0.03	0.03
	76	84	---	0.01	0.01	77	47	---	<0.01	<0.01	77	48	---	0.02	0.02
	77	49	---	0.02	0.02	77	50	---	0.56	0.56	77	51	---	0.74	0.74
	77	52	---	0.74	0.74	77	53	0.30	0.56	0.86	77	54	39	0.19	39
	77	62	---	0.02	0.02	77	63	---	0.02	0.02	77	64	---	0.02	0.02
	77	65	---	0.02	0.02	77	66	---	0.03	0.03	77	67	---	0.03	0.03
	77	68	---	0.05	0.05	77	69	---	0.06	0.06	77	70	---	0.05	0.05
	77	71	---	0.06	0.06	77	72	---	0.09	0.09	77	73	---	0.07	0.07
	77	74	---	0.05	0.05	77	75	---	<0.01	<0.01	77	78	---	<0.01	<0.01
	77	79	0.20	0.02	0.22	77	80	1.3	0.01	1.3	77	81	0.10	0.02	0.12
	78	48	---	0.02	0.02	78	49	---	0.20	0.20	78	50	---	0.56	0.56
	78	51	---	0.74	0.74	78	52	---	0.74	0.74	78	53	---	0.74	0.74
	78	54	---	0.19	0.19	78	55	---	0.01	0.01	78	61	---	0.02	0.02
	78	62	---	0.02	0.02	78	63	---	0.02	0.02	78	64	---	0.02	0.02
	78	65	---	0.02	0.02	78	66	---	0.07	0.07	78	67	---	0.04	0.04
	78	68	---	0.06	0.06	78	69	---	0.06	0.06	78	70	---	0.06	0.06
	78	71	---	0.06	0.06	78	72	---	0.06	0.06	78	73	---	0.06	0.06
	78	75	---	0.02	0.02	78	78	1.3	0.02	1.3	78	79	0.20	0.03	0.23
	78	80	7.2	0.02	7.2	78	81	---	0.03	0.03	78	82	---	0.01	0.01
	79	48	---	0.02	0.02	79	49	---	0.02	0.02	79	50	---	0.39	0.39
	79	51	---	0.56	0.56	79	52	---	0.74	0.74	79	53	---	0.74	0.74
	79	54	---	0.74	0.74	79	55	---	0.19	0.19	79	56	---	0.01	0.01
	79	60	---	0.02	0.02	79	61	---	0.03	0.03	79	62	---	0.02	0.02
	79	63	---	0.02	0.02	79	64	---	0.02	0.02	79	65	---	0.07	0.07
	79	66	---	0.10	0.10	79	67	---	0.06	0.06	79	68	---	0.06	0.06
	79	69	---	0.06	0.06	79	70	---	0.06	0.06	79	71	---	0.06	0.06
	79	72	---	0.06	0.06	79	73	---	0.06	0.06	79	75	---	0.01	0.01
	79	76	---	0.03	0.03	79	79	---	0.01	0.01	79	80	---	0.01	0.01
	79	81	---	0.01	0.01	79	82	0.10	0.02	0.12	79	84	---	<0.01	<0.01
	79	85	---	<0.01	<0.01	80	48	---	0.01	0.01	80	49	---	0.02	0.02
	80	50	---	0.02	0.02	80	51	---	0.38	0.38	80	52	---	0.74	0.74
	80	53	---	0.74	0.74	80	54	---	0.74	0.74	80	55	---	0.19	0.19
	80	56	---	0.01	0.01	80	59	---	0.02	0.02	80	60	---	0.03	0.03
	80	61	---	0.03	0.03	80	62	---	0.02	0.02	80	63	---	0.02	0.02
	80	64	---	0.06	0.06	80	65	---	0.10	0.10	80	66	---	0.10	0.10

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	80	67	---	0.07	0.07	80	68	---	0.06	0.06	80	69	---	0.06	0.06
	80	70	---	0.06	0.06	80	71	---	0.05	0.05	80	72	---	0.05	0.05
	80	73	---	0.03	0.03	80	75	1.3	0.03	1.3	80	76	---	0.04	0.04
	80	77	7.6	---	7.6	80	78	0.50	---	0.50	81	49	---	0.02	0.02
	81	50	---	0.02	0.02	81	51	---	0.02	0.02	81	52	---	0.56	0.56
	81	53	---	0.74	0.74	81	54	---	0.19	0.19	81	55	---	0.37	0.37
	81	56	---	0.19	0.19	81	57	---	0.01	0.01	81	58	---	0.01	0.01
	81	59	---	0.02	0.02	81	60	---	0.02	0.02	81	61	---	0.03	0.03
	81	62	---	0.02	0.02	81	63	---	0.02	0.02	81	64	---	0.10	0.10
	81	65	---	0.10	0.10	81	66	---	0.10	0.10	81	67	---	0.10	0.10
	81	68	0.77	0.10	0.87	81	69	---	0.27	0.27	81	70	---	0.02	0.02
	81	71	---	0.17	0.17	81	72	---	0.13	0.13	81	74	---	0.02	0.02
	81	75	2.7	0.07	2.8	81	76	---	0.01	0.01	81	78	0.60	---	0.60
	82	48	---	<0.01	<0.01	82	51	---	0.01	0.01	82	52	---	0.09	0.09
	82	53	---	0.42	0.42	82	54	---	0.16	0.16	82	56	---	0.19	0.19
	82	57	---	0.40	0.40	82	58	---	0.85	0.85	82	59	---	0.02	0.02
	82	60	---	0.01	0.01	82	61	---	0.02	0.02	82	62	3.3	0.11	3.4
	82	63	---	0.06	0.06	82	64	3.2	0.10	3.3	82	65	---	0.10	0.10
	82	66	2.4	0.10	2.5	82	67	0.19	0.10	0.29	82	68	2.0	0.10	2.1
	82	69	---	0.15	0.15	82	70	---	0.11	0.11	82	71	0.70	0.20	0.90
	82	72	---	0.20	0.20	82	73	---	0.02	0.02	82	74	---	0.01	0.01
	82	75	4.7	0.04	4.7	82	76	---	0.01	0.01	82	78	---	<0.01	<0.01
	82	79	---	<0.01	<0.01	83	48	---	0.01	0.01	83	49	---	<0.01	<0.01
	83	50	---	<0.01	<0.01	83	51	---	0.08	0.08	83	52	---	0.17	0.17
	83	53	---	0.32	0.32	83	54	---	0.32	0.32	83	55	---	0.32	0.32
	83	56	---	0.25	0.25	83	57	---	0.31	0.31	83	58	---	0.28	0.28
	83	59	---	0.05	0.05	83	61	---	0.10	0.10	83	62	---	0.29	0.29
	83	63	---	0.25	0.25	83	64	---	0.05	0.05	83	65	0.10	0.06	0.16
	83	66	13	0.04	13	83	67	0.97	0.10	1.1	83	68	---	0.10	0.10
	83	69	2.1	0.03	2.1	83	70	---	0.18	0.18	83	71	---	0.20	0.20
	83	72	---	0.14	0.14	83	73	---	0.01	0.01	83	74	---	0.01	0.01
	83	75	---	0.01	0.01	83	76	---	<0.01	<0.01	83	77	---	<0.01	<0.01
	83	78	---	<0.01	<0.01	83	79	---	<0.01	<0.01	83	80	---	<0.01	<0.01
	83	81	---	<0.01	<0.01	83	82	---	<0.01	<0.01	83	83	---	<0.01	<0.01
	84	50	---	0.01	0.01	84	51	---	0.32	0.32	84	52	---	0.32	0.32

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	84	53	---	0.24	0.24	84	54	---	0.24	0.24	84	55	---	0.32	0.32
	84	56	---	0.29	0.29	84	57	---	0.24	0.24	84	58	---	0.29	0.29
	84	59	---	0.19	0.19	84	60	---	0.05	0.05	84	61	---	0.29	0.29
	84	62	---	0.29	0.29	84	63	---	0.29	0.29	84	64	---	0.07	0.07
	84	65	---	0.03	0.03	84	66	---	0.03	0.03	84	67	2.9	0.08	3.0
	84	68	21	0.04	21	84	69	8.8	0.06	8.9	84	70	3.0	0.12	3.1
	84	71	---	0.18	0.18	84	72	1.6	0.12	1.7	84	73	---	0.01	0.01
	84	74	2.7	0.01	2.7	84	75	---	<0.01	<0.01	84	76	---	<0.01	<0.01
	84	77	---	<0.01	<0.01	84	78	---	<0.01	<0.01	84	79	---	0.01	0.01
	84	80	---	0.01	0.01	84	81	---	<0.01	<0.01	84	82	---	<0.01	<0.01
	85	51	---	0.16	0.16	85	52	---	<0.01	<0.01	85	53	1.0	0.08	1.1
	85	54	0.30	0.16	0.46	85	55	---	0.32	0.32	85	56	---	0.32	0.32
	85	57	---	0.33	0.33	85	58	---	0.19	0.19	85	59	---	0.19	0.19
	85	60	---	0.10	0.10	85	61	---	0.29	0.29	85	62	---	0.29	0.29
	85	63	---	0.29	0.29	85	64	---	0.12	0.12	85	65	---	0.03	0.03
	85	66	---	0.03	0.03	85	67	---	0.02	0.02	85	68	0.50	0.02	0.52
	85	69	6.0	0.02	6.0	85	70	2.0	0.04	2.0	85	71	---	0.14	0.14
	85	72	---	0.05	0.05	85	73	---	0.05	0.05	85	74	---	0.04	0.04
	85	75	---	0.01	0.01	85	76	---	0.01	0.01	85	77	---	<0.01	<0.01
	85	78	---	<0.01	<0.01	85	79	---	<0.01	<0.01	85	80	---	<0.01	<0.01
	85	81	---	<0.01	<0.01	86	51	---	0.08	0.08	86	52	---	0.08	0.08
	86	53	---	0.08	0.08	86	54	---	0.24	0.24	86	55	0.10	0.32	0.42
	86	56	---	0.32	0.32	86	57	---	0.08	0.08	86	61	---	0.05	0.05
	86	62	---	0.19	0.19	86	63	---	0.19	0.19	86	64	---	0.02	0.02
	86	65	---	0.02	0.02	86	66	---	0.02	0.02	86	67	---	0.02	0.02
	86	68	---	0.02	0.02	86	69	---	0.02	0.02	86	70	---	0.02	0.02
	86	71	---	0.04	0.04	86	72	4.4	0.06	4.5	86	73	0.10	0.06	0.16
	86	74	---	0.06	0.06	86	75	---	0.03	0.03	86	76	---	0.01	0.01
	86	79	0.20	---	0.20	87	49	---	0.01	0.01	87	50	---	0.01	0.01
	87	51	---	0.01	0.01	87	52	---	0.17	0.17	87	53	---	0.24	0.24
	87	54	---	0.32	0.32	87	55	---	0.32	0.32	87	56	0.10	0.16	0.26
	87	57	---	0.38	0.38	87	63	---	<0.01	<0.01	87	65	---	0.01	0.01
	87	66	---	0.01	0.01	87	67	---	0.01	0.01	87	68	---	0.01	0.01
	87	69	---	0.01	0.01	87	70	---	0.01	0.01	87	71	---	<0.01	<0.01
	87	76	---	<0.01	<0.01	88	49	---	0.02	0.02	88	50	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	88	51	---	0.01	0.01	88	52	---	0.01	0.01	88	53	---	0.17	0.17
	88	54	---	0.24	0.24	88	55	---	0.24	0.24	88	56	---	0.38	0.38
	88	57	---	0.38	0.38	88	58	---	0.38	0.38	88	59	---	0.38	0.38
	88	60	---	0.38	0.38	89	50	---	0.01	0.01	89	51	---	0.01	0.01
	89	52	---	<0.01	<0.01	89	53	---	0.08	0.08	89	54	---	0.08	0.08
	89	55	---	0.38	0.38	89	56	---	0.38	0.38	89	57	---	0.75	0.75
	89	58	---	0.75	0.75	89	59	---	0.38	0.38	89	60	0.30	---	0.30
	89	62	---	0.38	0.38	89	63	0.70	0.38	1.1	89	64	---	0.77	0.77
	89	65	---	0.38	0.38	89	74	---	0.04	0.04	89	75	---	0.04	0.04
	89	76	---	0.04	0.04	90	50	---	0.01	0.01	90	51	---	0.01	0.01
	90	55	---	1.4	1.4	90	56	---	6.8	6.8	90	57	---	2.6	2.6
	90	58	---	2.6	2.6	90	59	5.0	1.9	6.9	90	60	0.30	1.1	1.4
	90	61	0.20	0.38	0.58	90	62	---	0.77	0.77	90	63	---	1.7	1.7
	90	64	---	1.3	1.3	90	65	---	1.2	1.2	90	66	---	0.77	0.77
	90	71	---	0.04	0.04	90	73	---	0.04	0.04	90	74	---	0.12	0.12
	90	75	---	0.04	0.04	91	49	---	0.01	0.01	91	50	---	0.01	0.01
	91	51	---	0.01	0.01	91	54	---	1.4	1.4	91	55	---	8.2	8.2
	91	56	---	9.6	9.6	91	57	---	6.6	6.6	91	58	---	2.6	2.6
	91	59	---	2.6	2.6	91	60	0.50	2.6	3.1	91	61	---	1.8	1.8
	91	62	---	1.8	1.8	91	63	4.4	1.7	6.1	91	64	---	1.7	1.7
	91	65	---	1.7	1.7	91	66	1.0	1.5	2.5	91	67	0.10	1.4	1.5
	91	68	---	0.53	0.53	91	69	---	0.10	0.10	91	70	---	0.14	0.14
	91	71	---	0.18	0.18	91	72	---	0.14	0.14	91	73	---	0.14	0.14
	91	74	---	0.08	0.08	92	49	---	0.01	0.01	92	50	---	0.01	0.01
	92	51	---	<0.01	<0.01	92	54	---	6.8	6.8	92	55	---	9.6	9.6
	92	56	---	9.6	9.6	92	57	---	7.6	7.6	92	58	0.10	2.6	2.7
	92	59	---	4.2	4.2	92	60	---	2.6	2.6	92	61	0.50	1.8	2.3
	92	62	15	2.0	17	92	63	---	1.9	1.9	92	64	0.90	1.8	2.7
	92	65	3.1	1.7	4.8	92	66	---	1.5	1.5	92	67	6.9	1.4	8.3
	92	68	---	1.4	1.4	92	69	1.2	0.50	1.7	92	70	0.20	0.18	0.38
	92	71	---	0.12	0.12	92	72	---	0.08	0.08	92	73	---	0.04	0.04
	93	48	---	0.03	0.03	93	49	---	0.01	0.01	93	50	---	<0.01	<0.01
	93	53	---	6.3	6.3	93	54	---	9.6	9.6	93	55	---	9.6	9.6
	93	56	---	8.6	8.6	93	57	---	2.3	2.3	93	58	---	6.2	6.2
	93	59	---	7.7	7.7	93	60	---	6.2	6.2	93	61	---	3.6	3.6

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	93	62	---	2.0	2.0	93	63	---	2.0	2.0	93	64	---	2.0	2.0
	93	65	0.10	1.3	1.4	93	66	---	1.4	1.4	93	67	---	1.4	1.4
	93	68	0.10	1.4	1.5	93	69	---	0.63	0.63	93	70	2.2	0.08	2.3
	93	71	---	0.04	0.04	94	48	---	0.04	0.04	94	49	---	0.03	0.03
	94	52	---	3.2	3.2	94	53	---	7.8	7.8	94	54	---	9.8	9.8
	94	55	---	9.6	9.6	94	56	0.20	7.0	7.2	94	57	3.1	6.5	9.6
	94	58	---	7.7	7.7	94	59	---	7.7	7.7	94	60	---	7.7	7.7
	94	61	---	4.7	4.7	94	62	---	2.0	2.0	94	63	---	1.7	1.7
	94	64	---	1.7	1.7	94	65	---	0.91	0.91	94	66	---	1.2	1.2
	94	67	---	1.4	1.4	94	68	---	1.1	1.1	94	69	4.5	0.44	4.9
	95	48	---	0.04	0.04	95	49	---	0.01	0.01	95	52	---	4.0	4.0
	95	53	---	7.2	7.2	95	54	---	7.2	7.2	95	55	0.30	9.8	10
	95	56	---	8.0	8.0	95	57	---	7.7	7.7	95	58	---	7.7	7.7
	95	59	---	7.7	7.7	95	60	---	7.7	7.7	95	61	1.2	4.5	5.7
	95	62	---	1.6	1.6	95	63	---	1.4	1.4	95	64	---	0.68	0.68
	95	65	4.7	0.68	5.4	95	66	0.60	0.52	1.1	95	67	---	0.71	0.71
	96	48	---	0.10	0.10	96	49	---	0.08	0.08	96	52	---	1.6	1.6
	96	53	---	7.2	7.2	96	54	---	7.2	7.2	96	55	---	8.1	8.1
	96	56	---	7.6	7.6	96	57	---	7.7	7.7	96	58	0.10	7.7	7.8
	96	59	---	7.7	7.7	96	60	2.5	7.7	10	96	61	---	6.1	6.1
	96	62	---	1.4	1.4	96	63	---	1.4	1.4	96	64	3.7	1.0	4.7
	96	65	---	0.68	0.68	96	66	---	0.34	0.34	97	47	---	0.02	0.02
	97	48	---	0.08	0.08	97	49	---	0.08	0.08	97	50	---	0.08	0.08
	97	53	---	5.6	5.6	97	54	---	7.4	7.4	97	55	0.30	7.0	7.3
	97	56	---	7.0	7.0	97	57	---	7.6	7.6	97	58	---	7.7	7.7
	97	59	---	7.7	7.7	97	60	0.10	7.7	7.8	97	61	---	7.7	7.7
	97	62	---	1.4	1.4	97	63	1.4	1.4	2.8	97	64	---	1.4	1.4
	97	65	---	1.4	1.4	97	66	---	1.0	1.0	98	47	---	0.08	0.08
	98	48	---	0.08	0.08	98	49	---	0.08	0.08	98	50	---	0.08	0.08
	98	51	---	0.08	0.08	98	53	---	3.2	3.2	98	54	---	7.4	7.4
	98	55	---	7.0	7.0	98	56	---	7.0	7.0	98	57	---	7.0	7.0
	98	58	---	7.4	7.4	98	59	4.4	7.6	12	98	60	0.10	6.1	6.2
	98	61	---	3.0	3.0	98	62	---	1.4	1.4	98	63	---	1.4	1.4
	98	64	---	1.4	1.4	98	65	---	1.4	1.4	98	66	---	1.0	1.0
	99	47	---	0.08	0.08	99	48	---	0.08	0.08	99	49	---	0.08	0.08

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	99	50	---	0.08	0.08	99	52	---	3.2	3.2	99	54	---	7.0	7.0
	99	55	---	7.0	7.0	99	56	---	7.0	7.0	99	57	---	7.0	7.0
	99	58	1.6	7.0	8.6	99	59	---	7.2	7.2	99	60	---	1.4	1.4
	99	61	0.30	1.4	1.7	99	62	---	1.4	1.4	99	63	---	1.0	1.0
	99	64	---	0.68	0.68	100	47	---	0.08	0.08	100	48	---	0.08	0.08
	100	49	---	0.08	0.08	100	50	---	0.08	0.08	100	51	---	0.80	0.80
	100	52	---	4.8	4.8	100	53	---	1.8	1.8	100	54	---	7.0	7.0
	100	55	---	7.0	7.0	100	56	0.40	7.0	7.4	100	57	---	7.0	7.0
	100	58	---	7.0	7.0	100	59	0.30	5.6	5.9	100	60	---	0.88	0.88
	100	61	---	1.4	1.4	100	62	---	1.0	1.0	100	63	---	0.34	0.34
	101	47	---	0.08	0.08	101	48	---	0.08	0.08	101	49	---	0.08	0.08
	101	50	---	0.08	0.08	101	51	---	1.0	1.0	101	52	---	1.8	1.8
	101	53	---	0.93	0.93	101	54	---	4.5	4.5	101	55	---	5.8	5.8
	101	56	---	7.0	7.0	101	57	---	5.8	5.8	101	58	---	7.0	7.0
	101	59	---	3.7	3.7	101	60	---	0.32	0.32	101	61	---	0.46	0.46
	102	47	---	0.08	0.08	102	48	---	0.08	0.08	102	49	---	0.08	0.08
	102	50	---	0.08	0.08	102	51	---	0.08	0.08	102	53	---	1.9	1.9
	102	54	---	1.9	1.9	102	55	0.40	1.9	2.3	102	56	---	3.2	3.2
	102	57	0.10	3.2	3.3	102	58	---	3.6	3.6	102	59	---	0.28	0.28
	102	60	---	0.04	0.04	103	46	---	0.08	0.08	103	47	---	0.08	0.08
	103	48	---	0.08	0.08	103	49	---	0.08	0.08	103	50	---	0.08	0.08
	103	51	---	0.47	0.47	103	52	---	1.4	1.4	103	53	---	1.9	1.9
	103	54	---	1.9	1.9	103	55	---	1.9	1.9	103	56	---	1.9	1.9
	103	57	---	2.8	2.8	103	58	---	0.36	0.36	103	59	---	0.16	0.16
	104	46	---	0.08	0.08	104	47	---	0.08	0.08	104	48	---	0.08	0.08
	104	49	---	0.08	0.08	104	50	---	0.47	0.47	104	51	---	1.4	1.4
	104	52	---	1.9	1.9	104	53	76	1.4	78	104	54	---	1.9	1.9
	104	55	---	1.9	1.9	104	56	---	1.5	1.5	104	57	---	0.36	0.36
	104	58	---	0.28	0.28	104	59	---	0.04	0.04	105	45	---	0.03	0.03
	105	46	---	0.08	0.08	105	47	---	0.08	0.08	105	48	---	0.08	0.08
	105	50	---	1.4	1.4	105	51	---	1.9	1.9	105	52	4.0	1.9	5.9
	105	53	35	1.9	37	105	54	---	1.9	1.9	105	55	---	1.1	1.1
	105	56	---	0.36	0.36	105	57	---	0.24	0.24	105	58	---	0.08	0.08
	105	60	1.0	0.04	1.0	105	61	---	0.04	0.04	106	45	---	0.03	0.03
	106	46	---	0.03	0.03	106	47	---	0.08	0.08	106	50	---	0.47	0.47

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	106	51	---	0.93	0.93	106	52	---	0.93	0.93	106	53	2.4	0.93	3.3
	106	54	---	0.97	0.97	106	55	---	0.16	0.16	106	56	---	0.04	0.04
	106	59	---	0.04	0.04	107	45	---	0.04	0.04	107	46	---	0.23	0.23
	107	47	---	0.23	0.23	107	51	0.40	---	0.40	107	55	---	0.04	0.04
	108	44	---	0.06	0.06	108	45	---	0.06	0.06	108	46	---	0.08	0.08
	108	47	---	0.23	0.23	108	48	---	0.03	0.03	108	49	---	0.12	0.12
	108	50	---	0.12	0.12	108	55	1.6	---	1.6	108	57	3.2	0.04	3.2
	109	44	---	0.06	0.06	109	45	---	0.06	0.06	109	46	---	0.06	0.06
	109	47	---	0.05	0.05	109	48	---	0.29	0.29	109	49	---	0.23	0.23
	109	50	---	0.23	0.23	109	51	3.8	0.05	3.8	109	57	---	0.04	0.04
	110	43	---	0.08	0.08	110	44	---	0.07	0.07	110	45	---	0.06	0.06
	110	46	---	0.06	0.06	110	47	---	0.10	0.10	110	48	---	0.23	0.23
	110	49	---	0.23	0.23	110	50	---	0.23	0.23	110	51	8.5	0.19	8.7
	110	56	---	0.04	0.04	111	43	---	0.08	0.08	111	44	---	0.08	0.08
	111	45	---	0.08	0.08	111	46	---	0.08	0.08	111	47	---	0.21	0.21
	111	48	---	0.23	0.23	111	49	---	0.23	0.23	111	50	---	0.23	0.23
	111	51	1.0	0.23	1.2	111	52	---	<0.01	<0.01	112	42	---	0.08	0.08
	112	43	---	0.08	0.08	112	44	---	0.08	0.08	112	45	---	0.08	0.08
	112	46	---	0.08	0.08	112	47	---	0.16	0.16	112	48	1.5	0.22	1.7
	112	49	---	0.18	0.18	112	50	2.2	0.12	2.3	112	51	---	0.05	0.05
	112	52	---	0.01	0.01	113	42	---	0.08	0.08	113	43	---	0.08	0.08
	113	44	---	0.08	0.08	113	45	---	0.08	0.08	113	46	---	0.05	0.05
	113	47	---	0.04	0.04	113	48	---	0.05	0.05	113	49	---	0.04	0.04
	113	50	---	0.04	0.04	113	51	---	0.04	0.04	113	52	---	0.02	0.02
	114	41	---	0.08	0.08	114	42	---	0.08	0.08	114	43	---	0.08	0.08
	114	44	---	0.08	0.08	114	45	---	0.08	0.08	114	46	---	0.05	0.05
	114	47	4.1	0.04	4.1	114	48	---	0.04	0.04	114	49	---	0.04	0.04
	114	50	---	0.04	0.04	114	51	---	0.04	0.04	114	52	---	0.03	0.03
	114	53	---	0.02	0.02	115	41	---	0.88	0.88	115	42	---	0.08	0.08
	115	43	---	0.08	0.08	115	44	---	0.88	0.88	115	45	---	0.87	0.87
	115	46	---	0.04	0.04	115	47	0.10	0.04	0.14	115	48	---	0.04	0.04
	115	49	---	0.04	0.04	115	50	---	0.04	0.04	115	51	---	0.04	0.04
	115	52	---	0.04	0.04	115	53	---	0.01	0.01	116	40	---	0.47	0.47
	116	41	---	0.03	0.03	116	42	---	0.06	0.06	116	43	---	2.1	2.1
	116	44	---	0.07	0.07	116	45	---	0.02	0.02	116	46	---	0.03	0.03

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	116	47	---	0.04	0.04	116	48	---	0.04	0.04	116	49	---	0.04	0.04
	116	50	---	0.04	0.04	116	51	---	0.04	0.04	116	52	---	0.03	0.03
	117	39	---	0.47	0.47	117	40	---	0.47	0.47	117	41	---	0.43	0.43
	117	42	---	0.86	0.86	117	43	0.20	1.0	1.2	117	44	---	0.44	0.44
	117	45	---	0.43	0.43	117	46	---	0.44	0.44	117	47	---	0.03	0.03
	117	48	---	0.05	0.05	117	49	---	0.04	0.04	117	50	---	0.04	0.04
	117	51	---	0.04	0.04	117	52	---	0.02	0.02	118	39	---	0.47	0.47
	118	40	---	0.47	0.47	118	41	---	0.47	0.47	118	42	---	0.43	0.43
	118	43	---	0.86	0.86	118	44	---	1.0	1.0	118	45	---	0.43	0.43
	118	46	---	0.43	0.43	118	47	---	0.03	0.03	118	48	---	0.08	0.08
	118	49	0.60	0.06	0.66	118	50	---	0.04	0.04	118	51	---	0.04	0.04
	118	52	---	<0.01	<0.01	119	38	---	0.94	0.94	119	39	---	0.47	0.47
	119	40	---	0.47	0.47	119	41	---	0.47	0.47	119	42	---	0.43	0.43
	119	43	0.60	0.86	1.5	119	44	---	0.43	0.43	119	45	---	0.43	0.43
	119	46	---	0.46	0.46	119	47	---	0.08	0.08	119	48	---	0.08	0.08
	119	49	---	0.08	0.08	119	50	---	0.07	0.07	119	51	---	0.03	0.03
	120	38	---	0.95	0.95	120	39	---	0.47	0.47	120	40	---	0.47	0.47
	120	41	---	0.47	0.47	120	42	0.60	0.43	1.0	120	43	---	0.43	0.43
	120	44	---	0.43	0.43	120	45	---	0.45	0.45	120	46	---	0.07	0.07
	120	47	---	0.08	0.08	120	48	---	0.08	0.08	120	49	---	0.08	0.08
	120	50	---	0.08	0.08	120	51	---	0.02	0.02	121	38	---	0.24	0.24
	121	39	---	0.10	0.10	121	41	---	1.4	1.4	121	42	---	1.0	1.0
	121	43	---	0.43	0.43	121	44	---	0.44	0.44	121	45	---	0.07	0.07
	121	46	---	0.03	0.03	121	47	0.20	0.07	0.27	121	48	---	0.08	0.08
	121	49	---	0.08	0.08	121	50	---	0.06	0.06	121	51	---	0.01	0.01
	122	37	---	0.26	0.26	122	38	---	0.26	0.26	122	39	---	0.17	0.17
	122	41	0.62	1.5	2.2	122	42	0.06	1.1	1.2	122	43	---	0.44	0.44
	122	44	0.40	0.06	0.46	122	45	---	0.08	0.08	122	46	---	<0.01	<0.01
	122	47	---	0.03	0.03	122	48	---	0.08	0.08	122	49	---	0.05	0.05
	123	37	---	0.26	0.26	123	38	---	0.26	0.26	123	39	---	0.20	0.20
	123	40	<0.01	0.13	0.13	123	41	0.11	0.13	0.24	123	42	0.21	0.13	0.34
	123	43	0.39	0.13	0.52	123	44	0.15	0.01	0.16	123	45	1.7	0.06	1.7
	123	46	---	0.01	0.01	123	48	---	0.07	0.07	123	49	---	0.01	0.01
	124	37	0.50	0.26	0.76	124	38	---	0.20	0.20	124	39	<0.01	0.22	0.22
	124	40	0.37	0.13	0.50	124	42	0.08	---	0.08	124	43	0.96	---	0.96

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	124	44	4.4	---	4.4	124	45	3.2	<0.01	3.2	124	46	<0.01	0.13	0.14
	124	48	---	0.01	0.01	125	37	0.02	0.18	0.20	125	38	0.17	2.2	2.4
	125	39	0.15	2.2	2.4	125	40	0.49	---	0.49	125	41	0.04	---	0.04
	125	42	0.15	---	0.15	125	43	0.02	---	0.02	125	44	2.6	---	2.6
	125	45	1.6	---	1.6	125	46	0.18	---	0.18	126	37	0.01	2.2	2.2
	126	38	0.19	2.2	2.4	126	39	0.43	2.2	2.7	126	40	0.45	---	0.45
	126	42	0.01	---	0.01	126	43	0.37	---	0.37	126	44	1.2	---	1.2
	126	45	0.52	---	0.52	126	46	1.1	---	1.1	126	47	0.46	---	0.46
	126	49	0.01	---	0.01	126	50	<0.01	---	<0.01	127	37	0.01	2.2	2.2
	127	38	0.14	2.2	2.4	127	39	0.30	2.2	2.5	127	40	0.02	---	0.02
	127	42	0.05	---	0.05	127	43	<0.01	---	<0.01	127	44	0.17	---	0.17
	127	45	0.75	---	0.75	127	46	0.43	---	0.43	127	47	1.7	---	1.7
	127	48	0.39	---	0.39	127	49	1.6	---	1.6	127	50	<0.01	---	<0.01
	127	51	<0.01	---	<0.01	128	36	<0.01	2.2	2.2	128	38	0.06	2.2	2.3
	128	39	0.17	---	0.17	128	40	0.17	---	0.17	128	41	0.02	---	0.02
	128	42	0.09	---	0.09	128	43	0.01	0.02	0.02	128	44	0.13	0.09	0.21
	128	45	1.8	0.05	1.9	128	46	<0.01	---	<0.01	128	47	0.01	---	0.01
	128	48	<0.01	---	<0.01	128	49	<0.01	---	<0.01	128	50	0.01	---	0.01
	128	51	0.09	---	0.09	129	36	<0.01	2.2	2.2	129	37	0.44	2.2	2.7
	129	38	0.50	2.2	2.7	129	39	0.77	---	0.77	129	40	0.21	---	0.21
	129	41	0.13	---	0.13	129	42	1.4	---	1.4	129	43	0.13	0.09	0.22
	129	44	0.40	0.13	0.53	129	45	0.30	0.12	0.42	129	46	2.2	0.09	2.3
	129	47	<0.01	0.06	0.06	129	48	---	0.04	0.04	129	49	---	0.01	0.01
	130	37	2.1	2.2	4.3	130	38	0.53	2.2	2.8	130	39	0.01	2.2	2.2
	130	40	0.30	0.07	0.37	130	41	<0.01	0.64	0.64	130	42	2.0	0.72	2.8
	130	43	0.80	0.70	1.5	130	44	---	0.13	0.13	130	45	0.20	0.83	1.0
	130	46	---	0.13	0.13	130	47	---	0.13	0.13	130	48	---	0.13	0.13
	130	49	---	0.05	0.05	131	35	---	2.5	2.5	131	36	---	5.4	5.4
	131	37	0.85	4.7	5.6	131	38	0.67	3.0	3.6	131	39	1.2	4.1	5.4
	131	40	---	3.0	3.0	131	41	0.80	2.2	3.0	131	42	0.50	0.24	0.74
	131	43	0.30	0.24	0.54	131	44	---	0.14	0.14	131	45	---	0.13	0.13
	131	46	---	0.13	0.13	131	47	---	0.13	0.13	131	48	---	0.13	0.13
	131	49	---	0.07	0.07	131	50	---	0.01	0.01	132	35	---	1.2	1.2
	132	36	---	2.5	2.5	132	37	---	4.0	4.0	132	38	---	3.7	3.7
	132	39	---	1.5	1.5	132	40	1.0	0.24	1.2	132	41	0.20	2.2	2.4

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	132	42	0.30	0.24	0.54	132	43	0.70	0.23	0.93	132	44	---	1.5	1.5
	132	45	---	0.93	0.93	132	46	---	0.13	0.13	132	47	0.20	1.9	2.1
	132	48	---	0.13	0.13	132	49	---	0.71	0.71	132	50	---	0.07	0.07
	133	35	---	2.0	2.0	133	36	---	2.5	2.5	133	37	---	2.2	2.2
	133	38	---	1.6	1.6	133	39	---	0.74	0.74	133	40	2.3	1.0	3.3
	133	41	0.40	1.2	1.6	133	42	---	0.24	0.24	133	43	---	0.24	0.24
	133	44	---	2.6	2.6	133	45	---	0.13	0.13	133	46	---	0.93	0.93
	133	47	---	0.93	0.93	133	48	---	1.3	1.3	133	49	---	0.13	0.13
	133	50	---	0.08	0.08	134	35	0.60	0.05	0.65	134	36	---	0.05	0.05
	134	37	---	2.3	2.3	134	38	---	0.54	0.54	134	39	0.10	1.0	1.1
	134	40	0.10	0.74	0.84	134	41	---	0.54	0.54	134	42	0.80	1.2	2.0
	134	43	---	2.9	2.9	134	44	0.20	1.2	1.4	134	45	---	1.5	1.5
	134	46	---	0.13	0.13	134	47	---	0.13	0.13	134	48	0.20	1.3	1.5
	134	49	1.4	0.13	1.5	134	50	0.70	0.06	0.76	135	35	---	1.9	1.9
	135	36	---	0.75	0.75	135	37	---	0.05	0.05	135	38	---	0.23	0.23
	135	39	0.10	4.8	4.9	135	40	0.10	3.0	3.1	135	41	0.10	1.7	1.8
	135	42	---	2.1	2.1	135	43	0.10	0.13	0.23	135	44	---	2.3	2.3
	135	45	---	1.3	1.3	135	46	0.70	0.13	0.83	135	47	---	0.13	0.13
	135	48	---	0.13	0.13	135	49	0.50	0.13	0.63	135	50	1.4	0.05	1.4
	136	35	---	2.8	2.8	136	36	---	1.5	1.5	136	37	---	3.4	3.4
	136	38	0.20	4.0	4.2	136	39	---	0.65	0.65	136	40	---	0.17	0.17
	136	41	0.10	0.19	0.29	136	42	0.30	0.19	0.49	136	43	---	0.13	0.13
	136	44	0.10	0.13	0.23	136	45	---	0.13	0.13	136	46	---	0.13	0.13
	136	47	0.30	0.13	0.43	136	48	0.10	0.73	0.83	136	49	0.40	0.13	0.53
	136	50	---	0.03	0.03	137	35	---	1.8	1.8	137	36	---	1.2	1.2
	137	37	---	1.4	1.4	137	38	---	1.4	1.4	137	39	---	1.4	1.4
	137	40	---	1.4	1.4	137	41	---	1.4	1.4	137	42	2.9	1.4	4.3
	137	43	---	0.02	0.02	137	44	---	3.5	3.5	137	45	1.1	0.10	1.2
	137	46	0.40	0.13	0.53	137	47	---	0.11	0.11	137	48	---	0.12	0.12
	137	49	---	0.10	0.10	138	35	---	1.2	1.2	138	36	---	1.5	1.5
	138	37	---	1.4	1.4	138	39	---	1.4	1.4	138	41	---	1.4	1.4
	138	42	---	1.7	1.7	138	44	---	1.5	1.5	138	45	---	0.61	0.61
	138	46	---	0.61	0.61	138	47	---	0.31	0.31	138	50	---	0.30	0.30
	139	36	---	2.4	2.4	139	37	---	2.6	2.6	139	38	---	5.4	5.4
	139	39	---	4.1	4.1	139	40	---	1.4	1.4	139	41	---	1.4	1.4

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	139	42	---	1.4	1.4	139	44	---	0.61	0.61	139	45	0.10	0.61	0.71
	139	46	---	0.30	0.30	139	47	---	0.30	0.30	140	36	---	4.2	4.2
	140	37	---	9.7	9.7	140	38	---	1.4	1.4	140	39	---	6.8	6.8
	140	40	---	6.8	6.8	140	41	---	4.1	4.1	140	42	---	4.1	4.1
	140	43	2.8	1.2	4.0	140	44	---	0.61	0.61	140	45	---	0.30	0.30
	140	46	---	1.2	1.2	141	36	---	4.8	4.8	141	37	---	2.7	2.7
	141	38	---	6.8	6.8	141	39	---	6.8	6.8	141	40	0.80	6.8	7.6
	141	41	---	6.8	6.8	141	42	---	3.0	3.0	141	43	---	1.5	1.5
	141	44	---	0.61	0.61	141	45	---	0.30	0.30	141	46	---	0.61	0.61
	141	47	0.20	1.2	1.4	141	48	---	1.2	1.2	142	37	---	2.6	2.6
	142	38	---	5.4	5.4	142	39	---	6.8	6.8	142	40	---	6.8	6.8
	142	41	---	6.8	6.8	142	42	---	5.0	5.0	142	43	---	2.1	2.1
	142	44	---	0.30	0.30	143	37	---	14	14	143	38	---	12	12
	143	39	---	1.4	1.4	143	40	---	2.7	2.7	143	41	---	3.0	3.0
	143	42	---	2.0	2.0	143	43	---	3.6	3.6	143	44	---	0.91	0.91
	143	45	---	0.30	0.30	144	37	---	1.2	1.2	144	38	---	1.8	1.8
	144	39	---	18	18	144	40	0.30	5.9	6.2	144	41	---	5.9	5.9
	144	42	---	6.6	6.6	144	43	---	3.3	3.3	144	44	---	3.9	3.9
	144	45	---	0.91	0.91	144	46	---	0.30	0.30	145	38	---	6.6	6.6
	145	39	---	4.8	4.8	145	40	---	2.4	2.4	145	41	---	4.8	4.8
	145	42	---	0.59	0.59	145	43	---	2.1	2.1	145	44	---	1.8	1.8
	145	46	0.80	---	0.80	146	38	---	1.2	1.2	146	39	0.30	1.8	2.1
	146	40	---	3.0	3.0	146	41	---	5.4	5.4	146	42	---	1.2	1.2
	146	44	---	0.30	0.30	146	45	---	0.61	0.61	147	38	---	3.0	3.0
	147	39	---	5.4	5.4	147	40	---	4.8	4.8	147	41	---	3.0	3.0
	147	42	---	1.8	1.8	148	39	---	1.2	1.2	148	41	---	1.2	1.2
	148	43	0.20	---	0.20	149	39	---	1.4	1.4	149	40	---	1.2	1.2
	149	41	---	0.72	0.72	149	42	---	0.01	0.01	149	43	---	<0.01	<0.01
	149	44	---	0.02	0.02	149	45	---	0.01	0.01	149	46	---	0.01	0.01
	150	39	---	1.2	1.2	150	40	---	1.4	1.4	150	41	---	0.60	0.60
	150	42	---	0.02	0.02	150	43	---	0.02	0.02	150	44	---	0.02	0.02
	150	45	---	0.02	0.02	150	46	---	0.01	0.01	151	39	0.30	0.60	0.90
	151	40	---	0.60	0.60	151	41	0.20	0.61	0.81	151	42	1.5	11	12
	151	43	---	0.02	0.02	151	44	---	0.02	0.02	151	45	---	0.02	0.02
	151	46	---	0.01	0.01	152	41	---	0.01	0.01	152	42	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	152	43	---	0.01	0.01	152	44	0.20	0.01	0.21	152	45	---	0.01	0.01
	152	46	---	<0.01	<0.01	153	41	---	<0.01	<0.01	153	42	---	0.01	0.01
	153	43	---	0.01	0.01	153	44	---	<0.01	<0.01	153	45	---	<0.01	<0.01
	154	39	---	<0.01	<0.01	154	40	---	0.01	0.01	154	41	---	0.01	0.01
	154	42	---	0.01	0.01	154	43	---	0.01	0.01	154	44	---	0.01	0.01
	154	45	---	<0.01	<0.01	155	39	---	0.01	0.01	155	40	---	0.01	0.01
	155	41	---	0.01	0.01	155	42	---	0.01	0.01	155	43	---	0.01	0.01
	155	44	---	<0.01	<0.01	156	39	---	0.01	0.01	156	40	---	0.01	0.01
	156	41	0.10	0.01	0.11	156	42	---	0.01	0.01	156	43	---	0.01	0.01
	157	40	---	0.01	0.01	157	41	---	0.01	0.01	157	42	---	0.01	0.01
	157	43	---	0.01	0.01	157	45	0.10	---	0.10	158	40	---	0.01	0.01
	158	41	---	0.01	0.01	158	42	---	0.01	0.01	158	43	---	0.01	0.01
	158	45	0.50	---	0.50	159	40	---	0.01	0.01	159	41	0.40	0.01	0.41
	159	42	---	0.01	0.01	159	43	---	0.01	0.01	160	40	---	0.01	0.01
	160	41	---	0.01	0.01	160	42	---	0.03	0.03	160	43	---	0.04	0.04
	160	44	---	0.03	0.03	160	45	---	0.02	0.02	160	46	---	<0.01	<0.01
	161	40	---	0.02	0.02	161	41	---	0.04	0.04	161	42	---	0.05	0.05
	161	43	---	0.05	0.05	161	44	---	0.05	0.05	161	45	---	0.05	0.05
	161	46	---	0.03	0.03	162	40	---	0.03	0.03	162	41	---	0.05	0.05
	162	42	0.70	0.05	0.75	162	43	---	0.05	0.05	162	44	---	0.05	0.05
	162	45	---	0.03	0.03	162	46	---	0.01	0.01	163	40	---	0.31	0.31
	163	41	---	0.30	0.30	163	42	---	0.05	0.05	163	43	---	0.05	0.05
	163	44	---	0.02	0.02	164	40	---	0.17	0.17	164	41	---	0.17	0.17
	164	42	---	0.05	0.05	164	43	---	0.03	0.03	164	44	---	0.02	0.02
	164	45	---	0.02	0.02	164	46	---	0.01	0.01	164	47	---	0.02	0.02
	165	40	---	0.05	0.05	165	41	---	0.05	0.05	165	42	---	0.04	0.04
	165	43	---	0.04	0.04	165	44	---	0.04	0.04	165	45	---	0.04	0.04
	165	46	---	0.03	0.03	165	47	---	0.03	0.03	165	48	---	0.01	0.01
	166	41	---	0.04	0.04	166	42	---	0.04	0.04	166	43	---	0.04	0.04
	166	44	---	0.04	0.04	166	45	---	0.04	0.04	166	46	---	0.04	0.04
	166	47	---	0.04	0.04	166	48	---	0.03	0.03	167	41	---	0.04	0.04
	167	42	---	0.04	0.04	167	43	---	0.04	0.04	167	44	---	0.04	0.04
	167	45	---	0.04	0.04	167	46	---	0.04	0.04	167	47	---	0.04	0.04
	167	48	---	0.04	0.04	167	49	---	<0.01	<0.01	168	41	---	0.04	0.04
	168	42	---	0.04	0.04	168	43	---	0.04	0.04	168	44	---	0.04	0.04

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	168	45	---	0.04	0.04	168	46	---	0.04	0.04	168	47	---	0.04	0.04
	168	48	---	0.03	0.03	168	49	---	0.02	0.02	169	42	---	0.04	0.04
	169	43	---	0.04	0.04	169	44	---	0.04	0.04	169	45	---	0.04	0.04
	169	46	---	0.04	0.04	169	47	---	0.04	0.04	169	48	---	0.02	0.02
	169	49	---	0.02	0.02	169	50	---	<0.01	<0.01	170	42	---	0.04	0.04
	170	43	---	0.04	0.04	170	44	---	0.04	0.04	170	45	---	0.03	0.03
	170	46	---	0.03	0.03	170	47	---	0.03	0.03	170	48	---	0.02	0.02
	170	49	---	<0.01	<0.01	170	50	---	0.01	0.01	170	51	---	<0.01	<0.01
	171	42	---	0.04	0.04	171	43	---	0.04	0.04	171	44	---	0.04	0.04
	171	45	---	0.04	0.04	171	46	---	0.03	0.03	171	47	---	0.02	0.02
	171	48	---	<0.01	<0.01	171	49	---	0.01	0.01	171	50	---	0.01	0.01
	171	51	---	0.01	0.01	171	52	---	<0.01	<0.01	172	42	---	0.04	0.04
	172	43	---	0.04	0.04	172	44	---	0.04	0.04	172	45	---	0.04	0.04
	172	46	---	0.04	0.04	172	47	---	0.02	0.02	172	48	---	0.01	0.01
	172	49	---	0.01	0.01	172	50	---	0.01	0.01	172	51	---	0.01	0.01
	172	52	---	<0.01	<0.01	173	42	---	0.04	0.04	173	43	---	0.04	0.04
	173	44	---	0.04	0.04	173	45	---	0.04	0.04	173	46	---	0.44	0.44
	173	47	---	0.01	0.01	173	48	---	0.01	0.01	173	49	---	0.01	0.01
	173	50	---	0.01	0.01	173	51	---	0.01	0.01	173	52	---	<0.01	<0.01
	174	42	---	0.04	0.04	174	43	0.80	1.3	2.1	174	44	---	0.04	0.04
	174	45	---	0.03	0.03	174	46	---	0.02	0.02	174	47	---	0.01	0.01
	174	48	---	0.01	0.01	174	49	---	0.01	0.01	174	50	---	0.01	0.01
	174	51	---	0.01	0.01	174	52	---	0.01	0.01	174	53	---	0.01	0.01
	174	54	---	<0.01	<0.01	174	55	---	<0.01	<0.01	175	42	---	0.03	0.03
	175	43	---	0.44	0.44	175	44	---	0.53	0.53	175	45	---	0.11	0.11
	175	46	---	0.01	0.01	175	47	---	0.01	0.01	175	48	---	0.01	0.01
	175	49	---	0.01	0.01	175	50	---	0.01	0.01	175	51	---	0.01	0.01
	175	52	---	0.01	0.01	175	53	---	0.01	0.01	175	54	---	0.01	0.01
	175	55	---	0.01	0.01	175	56	---	<0.01	<0.01	175	57	---	<0.01	<0.01
	176	42	0.50	0.03	0.53	176	43	---	0.03	0.03	176	44	---	0.21	0.21
	176	45	---	0.01	0.01	176	46	---	0.01	0.01	176	47	---	0.01	0.01
	176	48	---	0.01	0.01	176	49	---	0.01	0.01	176	50	---	0.01	0.01
	176	51	---	0.01	0.01	176	52	---	0.01	0.01	176	53	---	0.01	0.01
	176	54	---	0.01	0.01	176	55	---	0.01	0.01	176	56	---	0.02	0.02
	176	57	---	0.02	0.02	177	43	---	0.01	0.01	177	44	---	0.01	0.01

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	177	45	---	0.01	0.01	177	46	---	0.01	0.01	177	47	---	0.01	0.01
	177	48	---	0.01	0.01	177	49	---	0.01	0.01	177	50	---	0.01	0.01
	177	51	---	0.01	0.01	177	52	---	0.01	0.01	177	53	---	0.01	0.01
	177	54	---	0.01	0.01	177	55	---	0.02	0.02	177	56	---	0.02	0.02
	177	57	---	0.02	0.02	177	58	---	0.02	0.02	177	59	---	0.02	0.02
	177	60	---	0.01	0.01	177	61	---	<0.01	<0.01	178	43	0.10	0.01	0.11
	178	44	---	0.01	0.01	178	45	---	0.01	0.01	178	46	---	0.01	0.01
	178	47	0.20	0.01	0.21	178	48	---	0.01	0.01	178	49	---	0.01	0.01
	178	50	---	0.01	0.01	178	51	---	0.01	0.01	178	52	---	0.01	0.01
	178	53	---	0.01	0.01	178	54	---	0.01	0.01	178	55	---	0.02	0.02
	178	56	---	0.02	0.02	178	57	---	0.02	0.02	178	58	---	0.02	0.02
	178	59	---	0.02	0.02	178	60	---	0.02	0.02	178	61	---	0.02	0.02
	178	62	---	0.01	0.01	178	63	---	0.01	0.01	178	64	---	0.01	0.01
	178	65	---	0.01	0.01	179	44	---	0.01	0.01	179	45	---	0.01	0.01
	179	46	---	0.01	0.01	179	47	---	0.01	0.01	179	48	---	0.01	0.01
	179	49	---	0.01	0.01	179	50	---	<0.01	<0.01	179	51	---	0.01	0.01
	179	52	---	0.01	0.01	179	53	---	0.01	0.01	179	54	---	0.02	0.02
	179	55	---	0.02	0.02	179	56	---	0.02	0.02	179	57	---	0.02	0.02
	179	58	---	0.02	0.02	179	59	---	0.02	0.02	179	60	---	0.02	0.02
	179	61	---	0.02	0.02	179	62	---	0.02	0.02	179	63	---	0.02	0.02
	179	64	---	0.02	0.02	179	65	---	0.01	0.01	180	44	---	<0.01	<0.01
	180	45	---	0.01	0.01	180	46	---	0.01	0.01	180	47	---	0.01	0.01
	180	48	---	0.01	0.01	180	49	---	<0.01	<0.01	180	51	---	<0.01	<0.01
	180	52	---	0.01	0.01	180	53	---	0.02	0.02	180	54	---	0.02	0.02
	180	55	---	0.02	0.02	180	56	---	0.02	0.02	180	57	---	0.02	0.02
	180	58	---	0.02	0.02	180	59	---	0.02	0.02	180	60	---	0.02	0.02
	180	61	---	0.02	0.02	180	62	---	0.02	0.02	180	63	---	0.02	0.02
	180	64	---	0.02	0.02	180	65	---	<0.01	<0.01	181	45	---	<0.01	<0.01
	181	46	---	0.01	0.01	181	47	---	0.01	0.01	181	48	---	<0.01	<0.01
	181	53	---	0.01	0.01	181	54	---	0.01	0.01	181	55	---	0.01	0.01
	181	56	---	0.02	0.02	181	57	---	0.02	0.02	181	58	---	0.02	0.02
	181	59	---	0.02	0.02	181	60	---	0.02	0.02	181	61	---	0.02	0.02
	181	62	---	0.02	0.02	181	63	---	0.02	0.02	181	64	---	0.01	0.01
	182	46	---	<0.01	<0.01	182	47	---	0.01	0.01	182	48	---	<0.01	<0.01
	182	56	---	0.01	0.01	182	57	---	0.02	0.02	182	58	---	0.02	0.02

Table 8.--*Point, areal, and total ground-water pumpage by row, column, and layer, 1980*--Continued

Layer	Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)			Row	Col.	Ground-water pumpage (million gallons per day)		
			Point	Areal	Total			Point	Areal	Total			Point	Areal	Total
11	182	59	---	0.02	0.02	182	60	---	0.02	0.02	182	61	---	0.02	0.02
	182	62	---	0.02	0.02	182	63	---	0.01	0.01	183	46	---	0.01	0.01
	183	47	---	0.01	0.01	183	48	---	0.01	0.01	183	55	---	0.41	0.41
	183	56	---	0.41	0.41	183	57	---	0.01	0.01	183	58	---	0.02	0.02
	183	59	---	0.02	0.02	183	60	---	0.01	0.01	184	47	---	0.01	0.01
	184	48	---	0.01	0.01	184	55	---	0.31	0.31	184	56	---	0.41	0.41
	184	57	0.40	---	0.40	184	58	---	0.01	0.01	184	59	---	<0.01	<0.01
	185	48	---	0.01	0.01	185	49	---	<0.01	<0.01	185	53	---	0.41	0.41
	185	54	---	0.62	0.62	185	55	---	0.62	0.62	185	56	---	0.51	0.51
	186	49	---	0.01	0.01	186	53	---	0.82	0.82	186	54	---	0.72	0.72
	186	55	---	0.72	0.72	186	56	---	0.72	0.72	187	50	---	<0.01	<0.01
	187	52	---	0.41	0.41	187	53	---	0.62	0.62	187	54	---	0.72	0.72
	187	55	0.30	---	0.30	188	52	---	0.31	0.31	188	53	---	0.72	0.72
	188	54	---	0.51	0.51	-	-	---	---	---	-	-	---	---	---

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year

[Point pumpage is predominantly for public supply and industry, areal pumpage is predominantly for irrigation; figures may not add to total because of independent rounding; <, less than.]

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
ALABAMA									
BALDWIN	4.8	1.4	6.3	5.5	2.2	7.6	5.8	2.4	8.1
CHOCTAW	0.35	0.63	0.99	0.40	0.96	1.4	0.42	1.1	1.5
CLARKE	1.0	0.48	1.5	1.2	0.74	1.9	1.2	0.81	2.1
CONECUH	<0.01	0.48	0.48	<0.01	0.73	0.73	<0.01	0.80	0.80
ESCAMBIA	1.5	0.59	2.1	1.7	0.89	2.6	1.8	0.98	2.8
MARENGO	<0.01	0.37	0.37	<0.01	0.56	0.56	<0.01	0.62	0.62
MOBILE	31	2.2	33	33	3.3	36	38	3.7	41
MONROE	<0.01	0.52	0.52	<0.01	0.79	0.79	<0.01	0.87	0.87
SUMTER	0.13	0.18	0.31	0.14	0.27	0.41	0.15	0.30	0.45
WASHINGTON	8.5	0.77	9.2	9.0	1.2	10	9.8	1.3	11
WILCOX	<0.01	0.16	0.16	<0.01	0.25	0.25	<0.01	0.28	0.28
ARKANSAS									
ARKANSAS	9.9	110	120	1.7	130	130	2.2	140	140
ASHLEY	29	10	40	8.4	15	24	11	25	36
BRADLEY	0.60	0.34	0.94	1.1	0.66	1.8	1.2	0.67	1.8
CALHOUN	0.11	0.23	0.34	0.15	0.20	0.35	0.13	0.30	0.43
CHICOT	0.66	14	15	0.81	12	13	0.74	24	25
CLARK	<0.01	0.38	0.38	<0.01	0.38	0.38	<0.01	0.49	0.49
CLAY	0.63	18	19	0.33	22	22	0.49	19	19
CLEVELAND	0.42	0.42	0.84	0.11	0.33	0.44	0.15	0.48	0.63
COLUMBIA	1.2	0.62	1.8	2.6	0.63	3.2	5.0	1.2	6.2
CRAIGHEAD	2.3	30	32	3.6	49	52	5.3	61	67
CRITTENDEN	2.2	12	14	2.2	26	29	3.6	30	33
CROSS	1.6	54	56	0.61	68	69	2.3	83	86
DALLAS	0.46	0.28	0.74	0.50	0.25	0.75	0.63	0.52	1.1
DESHA	2.3	25	27	0.78	46	46	0.86	81	82
DREW	0.61	6.8	7.4	1.1	8.7	9.9	2.3	23	26

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
GRANT	0.57	0.33	0.90	0.31	0.44	0.75	0.91	0.86	1.8
GREENE	0.93	8.4	9.3	1.2	16	17	1.9	19	21
HEMPSTEAD	<0.01	0.66	0.66	<0.01	0.81	0.81	<0.01	1.2	1.2
HOT SPRING	<0.01	0.42	0.42	<0.01	0.54	0.54	<0.01	2.1	2.1
INDEPENDENCE	0.05	2.3	2.4	0.01	2.5	2.5	0.02	5.2	5.2
JACKSON	2.1	53	55	1.9	55	57	1.3	59	60
JEFFERSON	52	50	100	44	43	87	59	52	110
LAFAYETTE	2.6	2.8	5.4	2.7	4.8	7.6	2.2	4.7	6.9
LAWRENCE	1.4	20	21	0.71	17	18	0.86	24	25
LEE	0.66	13	14	0.58	25	26	0.59	22	22
LINCOLN	0.84	18	19	0.32	26	27	0.61	70	70
LITTLE RIVER	<0.01	0.94	0.94	<0.01	0.97	0.97	<0.01	1.7	1.7
LONOKE	6.6	93	100	0.74	160	160	2.2	180	180
MILLER	0.03	3.1	3.1	0.05	2.1	2.2	0.28	2.9	3.2
MISSISSIPPI	3.9	3.8	7.7	6.7	5.3	12	12	6.1	18
MONROE	1.8	31	33	0.75	56	56	0.81	46	47
NEVADA	<0.01	0.43	0.43	<0.01	0.39	0.39	<0.01	0.66	0.66
OUACHITA	1.9	0.50	2.4	2.0	0.51	2.5	6.5	1.2	7.6
PHILLIPS	2.0	15	17	4.5	15	19	9.2	14	23
POINSETT	1.3	53	54	1.3	86	88	2.1	100	100
PRAIRIE	1.3	52	53	0.33	76	77	0.41	78	79
PULASKI	8.4	5.7	14	5.8	6.8	13	5.1	13	18
RANDOLPH	<0.01	3.5	3.5	<0.01	3.3	3.3	<0.01	4.1	4.1
SALINE	0.01	0.59	0.60	0.02	1.4	1.4	0.05	1.2	1.3
ST FRANCIS	1.2	38	40	2.2	31	34	2.6	50	53
UNION	31	0.77	32	19	0.76	20	19	0.90	20
WHITE	0.39	2.4	2.8	0.25	3.9	4.2	0.22	6.5	6.7
WOODRUFF	0.94	31	32	0.50	58	58	0.92	49	50
				FLORIDA					
ESCAMBIA	66	6.5	73	67	7.1	74	70	6.7	76

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
KENTUCKY									
BALLARD	0.20	<0.01	0.20	0.19	<0.01	0.19	0.18	<0.01	0.18
CALLOWAY	1.4	<0.01	1.4	1.9	<0.01	1.9	2.3	<0.01	2.3
CARLISLE	0.11	<0.01	0.11	0.13	<0.01	0.13	0.16	<0.01	0.16
FULTON	1.1	<0.01	1.1	1.3	<0.01	1.3	1.4	<0.01	1.4
GRAVES	2.0	<0.01	2.0	3.3	<0.01	3.3	4.6	<0.01	4.6
HICKMAN	0.12	<0.01	0.12	0.13	<0.01	0.13	0.14	<0.01	0.14
MARSHALL	0.33	<0.01	0.33	0.59	<0.01	0.59	0.86	<0.01	0.86
MC CRACKEN	0.10	<0.01	0.10	0.15	<0.01	0.15	0.19	<0.01	0.19
LOUISIANA									
ACADIA	4.8	120	120	6.3	130	140	14	150	170
ALLEN	14	43	58	14	50	64	11	56	67
ASCENSION	1.4	0.82	2.2	3.3	1.5	4.7	3.8	1.2	5.0
ASSUMPTION	1.9	0.19	2.1	2.6	0.07	2.7	4.9	0.02	4.9
AVOYELLES	1.4	2.6	4.0	1.9	6.0	7.9	2.1	6.6	8.7
BEAUREGARD	5.7	11	17	6.8	11	18	5.3	11	17
BIENVILLE	1.2	0.43	1.6	1.3	0.42	1.7	1.1	0.44	1.6
BOSSIER	0.39	0.56	0.95	0.76	1.0	1.8	1.7	1.1	2.8
CADDO	0.62	2.0	2.6	1.7	3.3	4.9	2.4	4.3	6.8
CALCASIEU	92	54	150	87	65	150	140	69	210
CALDWELL	0.35	1.8	2.2	0.35	0.21	0.56	0.43	1.4	1.8
CAMERON	7.0	10	17	3.8	11	15	5.5	5.7	11
CATAHOULA	0.37	0.46	0.83	0.42	0.35	0.77	0.40	1.7	2.1
CLAIBORNE	2.6	0.40	3.0	3.3	0.38	3.6	2.9	0.43	3.3
CONCORDIA	0.79	0.25	1.0	1.3	0.34	1.7	1.6	0.36	2.0
DE SOTO	0.76	0.70	1.5	1.0	0.71	1.7	0.88	0.52	1.4
EAST BATON ROUGE	95	1.5	96	94	1.1	95	140	0.98	140
EAST CARROLL	0.38	8.2	8.6	0.41	8.3	8.7	1.1	14	15
EAST FELICIANA	1.0	0.27	1.3	1.6	0.34	2.0	1.9	0.51	2.4
EVANGELINE	12	98	110	10	97	110	5.8	96	100

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
FRANKLIN	0.55	2.6	3.1	2.1	3.4	5.5	2.4	6.8	9.2
GRANT	0.32	0.36	0.68	0.40	0.32	0.72	0.39	0.54	0.93
IBERIA	7.7	1.5	9.2	8.9	3.9	13	14	7.4	21
IBERVILLE	6.8	0.52	7.3	10	0.71	11	13	0.35	14
JACKSON	11	0.29	11	14	0.23	14	14	0.19	14
JEFFERSON	9.1	0.18	9.2	16	0.82	17	10	0.44	11
JEFFERSON DAVIS	7.1	83	90	8.0	97	100	3.4	190	200
LA SALLE	1.3	0.21	1.6	1.1	0.12	1.2	0.85	0.21	1.1
LAFAYETTE	5.9	19	25	8.4	22	30	11	25	36
LAFOURCHE	0.17	0.12	0.29	0.50	0.13	0.63	<0.01	0.06	0.06
LINCOLN	2.7	0.36	3.1	4.6	0.34	4.9	4.4	0.33	4.7
LIVINGSTON	1.1	1.3	2.4	0.94	2.5	3.4	2.5	5.0	7.5
MADISON	1.6	1.1	2.7	1.8	0.78	2.6	4.7	6.4	11
MOREHOUSE	21	14	35	19	24	43	22	30	52
NATCHITOCHES	1.3	1.1	2.4	0.09	0.92	1.0	0.11	1.3	1.4
ORLEANS	32	0.16	32	34	0.11	34	43	0.30	43
OUACHITA	16	0.91	17	17	1.1	18	18	0.49	19
POINTE COUPEE	1.8	0.55	2.4	2.5	2.7	5.2	3.1	1.4	4.5
RAPIDES	7.0	1.4	8.4	9.4	1.3	11	25	1.2	26
RED RIVER	0.19	0.44	0.63	0.21	0.51	0.72	0.24	1.9	2.1
RICHLAND	1.2	2.0	3.2	3.7	1.4	5.1	3.2	5.7	8.9
SABINE	0.50	0.45	0.95	1.1	0.48	1.5	0.78	1.1	1.9
ST BERNARD	2.2	0.01	2.2	2.7	<0.01	2.7	1.6	<0.01	1.6
ST CHARLES	19	0.08	20	19	0.11	19	14	0.08	14
ST HELENA	0.12	0.27	0.39	0.08	0.30	0.38	0.09	0.30	0.39
ST JAMES	5.4	0.14	5.5	7.8	0.51	8.3	5.4	0.22	5.6
ST JOHN THE BAPTIST	0.28	0.08	0.36	3.9	0.15	4.0	5.3	0.17	5.5
ST LANDRY	5.6	34	40	6.2	35	42	6.5	37	44
ST MARTIN	3.4	1.9	5.4	3.0	3.3	6.3	5.2	3.7	8.9
ST MARY	1.0	1.8	2.8	3.4	0.98	4.4	5.3	0.21	5.5
ST TAMMANY	4.4	1.8	6.2	5.7	1.7	7.4	8.7	21	30

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
TANGIPAHOA	4.1	3.4	7.6	6.7	5.4	12	7.5	9.6	17
TENSAS	0.38	0.55	0.93	0.67	0.70	1.4	0.61	0.62	1.2
TERREBONNE	0.50	0.02	0.52	0.20	0.02	0.22	0.47	<0.01	0.47
UNION	0.54	0.42	0.96	0.61	0.41	1.0	0.72	0.61	1.3
VERMILION	11	21	32	10	24	34	7.6	55	62
VERNON	0.90	0.50	1.4	3.4	0.25	3.7	4.5	0.88	5.4
WASHINGTON	13	0.55	13	26	1.3	27	26	2.3	28
WEBSTER	9.7	0.43	10	12	0.44	12	12	0.52	12
WEST BATON ROUGE	2.3	0.31	2.6	6.5	0.33	6.8	9.9	0.44	10
WEST CARROLL	0.22	0.67	0.89	0.24	3.5	3.7	0.84	5.2	6.1
WEST FELICIANA	7.1	0.16	7.3	8.0	0.27	8.2	6.6	0.36	6.9
WINN	1.3	0.28	1.5	1.3	0.25	1.5	1.8	0.29	2.1
MISSISSIPPI									
ADAMS	44	<0.01	44	50	<0.01	50	54	<0.01	54
AMITE	0.26	<0.01	0.26	0.30	<0.01	0.30	1.6	<0.01	1.6
ATTALA	3.2	<0.01	3.2	3.3	<0.01	3.3	1.8	<0.01	1.8
BENTON	0.04	<0.01	0.04	0.05	<0.01	0.05	0.07	<0.01	0.07
BOLIVAR	9.1	53	62	10	62	72	11	65	76
CALHOUN	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
CARROLL	0.15	<0.01	0.15	0.15	<0.01	0.15	0.19	<0.01	0.19
CHOCTAW	0.21	<0.01	0.21	---	---	---	0.58	<0.01	0.58
CLAIBORNE	0.63	<0.01	0.63	---	---	---	1.1	<0.01	1.1
CLARKE	0.61	<0.01	0.61	0.70	<0.01	0.70	0.86	<0.01	0.86
COAHOMA	4.7	8.2	13	11	9.5	21	17	10	27
COPIAH	1.0	<0.01	1.0	1.2	<0.01	1.2	1.8	<0.01	1.8
COVINGTON	1.0	<0.01	1.0	1.1	<0.01	1.1	2.0	<0.01	2.0
DE SOTO	0.65	1.5	2.2	0.77	1.8	2.6	6.0	1.9	7.9
FORREST	9.8	<0.01	9.8	11	<0.01	11	13	<0.01	13
FRANKLIN	0.17	<0.01	0.17	0.19	<0.01	0.19	0.30	<0.01	0.30
GEORGE	0.18	<0.01	0.18	0.20	<0.01	0.20	0.40	<0.01	0.40
GREENE	0.25	<0.01	0.25	0.40	<0.01	0.40	0.11	<0.01	0.11
GRENADA	4.9	0.55	5.5	5.3	0.64	6.0	5.5	0.68	6.2
HANCOCK	1.1	<0.01	1.1	1.2	<0.01	1.2	1.6	<0.01	1.6

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
HARRISON	21	<0.01	21	20	<0.01	20	20	<0.01	20
HINDS	5.3	<0.01	5.3	7.6	<0.01	7.6	13	<0.01	13
HOLMES	1.1	2.1	3.2	1.7	2.4	4.0	4.0	2.5	6.6
HUMPHREYS	0.69	6.1	6.8	0.80	7.1	7.9	0.41	7.5	8.0
ISSAQUENA	<0.01	0.98	0.98	<0.01	1.1	1.1	0.01	1.2	1.2
JACKSON	11	<0.01	11	12	<0.01	12	17	<0.01	17
JASPER	0.46	<0.01	0.46	0.54	<0.01	0.54	0.90	<0.01	0.90
JEFFERSON	0.15	<0.01	0.15	0.17	<0.01	0.17	0.21	<0.01	0.21
JEFFERSON DAVIS	0.24	<0.01	0.24	0.28	<0.01	0.28	0.44	<0.01	0.44
JONES	13	<0.01	13	16	<0.01	16	22	<0.01	22
KEMPER	0.14	<0.01	0.14	0.16	<0.01	0.16	0.21	<0.01	0.21
LAFAYETTE	1.5	<0.01	1.5	1.7	<0.01	1.7	2.6	<0.01	2.6
LAMAR	2.2	<0.01	2.2	2.5	<0.01	2.5	2.8	<0.01	2.8
LAUDERDALE	9.8	<0.01	9.8	11	<0.01	11	12	<0.01	12
LAWRENCE	0.14	<0.01	0.14	0.17	<0.01	0.17	0.23	<0.01	0.23
LEAKE	0.12	<0.01	0.12	0.14	<0.01	0.14	0.43	<0.01	0.43
LEFLORE	5.8	16	22	10	19	29	16	20	36
LINCOLN	1.0	<0.01	1.0	1.1	<0.01	1.1	1.5	<0.01	1.5
MADISON	2.6	<0.01	2.6	2.9	<0.01	2.9	4.0	<0.01	4.0
MARION	1.4	<0.01	1.4	1.5	<0.01	1.5	1.6	<0.01	1.6
MARSHALL	0.60	<0.01	0.60	0.71	<0.01	0.71	1.1	<0.01	1.1
MONTGOMERY	0.63	<0.01	0.63	0.63	<0.01	0.63	1.2	<0.01	1.2
NESHOBA	0.73	<0.01	0.73	0.81	<0.01	0.81	1.4	<0.01	1.4
NEWTON	0.64	<0.01	0.64	0.76	<0.01	0.76	1.1	<0.01	1.1
PANOLA	2.8	0.88	3.7	3.2	1.0	4.2	3.8	1.1	4.9
PEARL RIVER	1.3	<0.01	1.3	1.6	<0.01	1.6	1.5	<0.01	1.5
PERRY	0.42	<0.01	0.42	0.54	<0.01	0.54	0.49	<0.01	0.49
PIKE	1.8	<0.01	1.8	2.0	<0.01	2.0	3.4	<0.01	3.4
QUITMAN	4.6	6.1	11	5.4	7.0	12	5.5	7.4	13
RANKIN	2.1	<0.01	2.1	2.4	<0.01	2.4	4.3	<0.01	4.3

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
SCOTT	2.1	<0.01	2.1	2.4	<0.01	2.4	5.4	<0.01	5.4
SHARKEY	0.52	4.3	4.8	0.60	4.9	5.5	0.53	5.2	5.8
SIMPSON	1.2	<0.01	1.2	1.3	<0.01	1.3	1.5	<0.01	1.5
SMITH	0.12	<0.01	0.12	0.21	<0.01	0.21	0.43	<0.01	0.43
STONE	1.2	<0.01	1.2	1.3	<0.01	1.3	1.6	<0.01	1.6
SUNFLOWER	1.7	24	26	2.0	28	30	2.4	29	32
TALLAHATCHIE	0.60	6.6	7.2	0.71	7.7	8.4	0.53	8.2	8.7
TATE	0.53	0.49	1.0	0.57	0.56	1.1	0.89	0.60	1.5
TIPPAH	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TUNICA	0.20	9.7	9.9	0.24	11	11	0.37	12	12
WALTHALL	0.79	<0.01	0.79	0.90	<0.01	0.90	0.96	<0.01	0.96
WARREN	1.8	<0.01	1.8	2.0	<0.01	2.0	8.9	<0.01	8.9
WASHINGTON	14	21	35	14	24	38	15	25	41
WAYNE	1.1	<0.01	1.1	1.2	<0.01	1.2	0.77	<0.01	0.77
WEBSTER	0.12	<0.01	0.12	0.15	<0.01	0.15	0.37	<0.01	0.37
WILKINSON	0.30	<0.01	0.30	0.39	<0.01	0.39	0.26	<0.01	0.26
WINSTON	0.69	<0.01	0.69	0.78	<0.01	0.78	1.9	<0.01	1.9
YALOBUSHA	0.67	<0.01	0.67	0.80	<0.01	0.80	1.6	<0.01	1.6
YAZOO	11	1.4	13	14	1.7	16	15	1.8	17
				MISSOURI					
BUTLER	<0.01	3.9	3.9	0.01	5.1	5.2	0.02	8.9	8.9
DUNKLIN	1.5	0.87	2.3	1.7	3.8	5.5	1.7	5.6	7.3
MISSISSIPPI	0.85	0.46	1.3	1.1	1.6	2.7	1.4	5.4	6.8
NEW MADRID	0.74	1.1	1.9	0.89	4.5	5.4	0.94	9.6	11
PEMISCOT	1.4	2.6	4.1	1.5	4.7	6.2	2.0	3.0	5.0
RIPLEY	<0.01	1.3	1.3	<0.01	1.5	1.5	<0.01	1.5	1.5
SCOTT	1.5	1.1	2.6	1.8	2.2	4.0	1.9	6.9	8.9
STODDARD	0.97	3.7	4.7	1.0	8.2	9.2	1.1	16	17

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
TENNESSEE									
CARROLL	0.64	<0.01	0.64	0.88	<0.01	0.88	2.0	<0.01	2.0
CHESTER	0.19	<0.01	0.19	0.21	<0.01	0.21	0.43	<0.01	0.43
CROCKETT	2.6	<0.01	2.6	3.1	0.02	3.2	2.1	<0.01	2.1
DYER	2.1	<0.01	2.1	2.7	<0.01	2.7	5.1	0.05	5.2
FAYETTE	0.19	<0.01	0.19	0.23	<0.01	0.23	0.97	<0.01	0.97
GIBSON	5.9	<0.01	5.9	4.7	<0.01	4.7	7.2	<0.01	7.2
HARDEMAN	1.0	<0.01	1.0	1.8	<0.01	1.8	3.7	<0.01	3.7
HAYWOOD	0.53	<0.01	0.53	0.63	<0.01	0.63	0.91	<0.01	0.91
HENRY	2.5	<0.01	2.5	1.6	<0.01	1.6	2.6	<0.01	2.6
LAKE	1.4	<0.01	1.4	1.6	0.63	2.2	1.4	0.01	1.4
LAUDERDALE	0.58	<0.01	0.58	0.98	0.07	1.0	1.5	<0.01	1.5
MADISON	6.3	<0.01	6.3	6.9	<0.01	6.9	5.6	0.04	5.7
OBION	2.0	<0.01	2.0	2.3	0.19	2.5	12	0.07	12
SHELBY	140	<0.01	140	140	<0.01	140	180	0.56	180
TIPTON	0.69	<0.01	0.69	1.1	<0.01	1.1	1.1	<0.01	1.1
WEAKLEY	1.4	<0.01	1.4	0.96	0.02	0.98	2.1	<0.01	2.1
TEXAS									
ANDERSON	1.9	0.20	2.1	2.6	0.15	2.8	1.1	<0.01	1.1
ANGELINA	20	<0.01	20	21	<0.01	21	26	<0.01	26
ARANSAS	0.42	<0.01	0.42	0.64	<0.01	0.64	1.1	<0.01	1.1
ATASCOSA	1.4	27	29	2.1	38	40	2.5	46	48
AUSTIN	0.47	3.6	4.1	0.58	6.1	6.7	0.78	7.3	8.0
BASTROP	1.1	0.04	1.1	1.1	0.21	1.4	1.3	0.65	1.9
BEE	2.3	0.69	3.0	2.4	2.1	4.6	2.8	1.9	4.6
BEXAR	0.10	7.0	7.1	0.14	9.3	9.4	0.15	5.6	5.7
BOWIE	0.48	0.11	0.59	0.33	0.28	0.61	0.42	0.15	0.57
BRAZORIA	15	17	32	14	6.0	20	20	20	39

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
BRAZOS	5.0	9.3	14	7.1	14	21	10	9.0	19
BROOKS	0.73	0.15	0.88	1.2	1.5	2.7	1.8	0.92	2.7
BURLESON	0.35	8.8	9.1	0.53	15	15	0.57	13	14
CALDWELL	1.2	0.19	1.4	1.4	0.30	1.7	1.6	0.13	1.7
CALHOUN	0.79	0.23	1.0	1.0	0.53	1.5	1.4	1.4	2.8
CAMERON	1.6	18	20	1.1	3.3	4.4	2.1	<0.01	2.1
CAMP	0.29	<0.01	0.29	0.35	0.07	0.42	0.38	0.04	0.42
CASS	0.96	<0.01	0.96	1.3	<0.01	1.3	1.6	<0.01	1.6
CHAMBERS	0.26	2.0	2.2	2.3	<0.01	2.3	3.2	<0.01	3.2
CHEROKEE	1.9	<0.01	1.9	2.7	0.03	2.7	3.1	0.03	3.2
COLORADO	1.4	23	24	1.9	28	30	4.8	44	49
DE WITT	1.7	0.50	2.2	1.8	1.5	3.4	2.4	0.50	2.9
DIMMIT	0.54	20	20	0.70	21	21	0.87	24	25
DUVAL	2.1	0.13	2.2	2.0	0.86	2.8	2.3	2.1	4.5
FALLS	<0.01	2.0	2.0	<0.01	3.9	3.9	<0.01	2.9	2.9
FAYETTE	0.82	0.22	1.0	0.99	0.53	1.5	2.7	0.31	3.0
FORT BEND	11	40	51	12	30	42	16	55	71
FRANKLIN	0.10	<0.01	0.10	0.50	<0.01	0.50	0.41	<0.01	0.41
FREESTONE	0.16	<0.01	0.16	0.21	<0.01	0.21	0.62	<0.01	0.62
FRIO	0.75	27	28	1.8	50	52	2.0	66	68
GALVESTON	22	<0.01	22	24	<0.01	24	31	<0.01	31
GOLIAD	0.27	0.08	0.35	0.22	0.87	1.1	0.28	0.18	0.46
GONZALES	0.30	0.25	0.55	0.70	1.2	1.9	0.95	1.5	2.4
GREGG	0.51	<0.01	0.51	1.1	<0.01	1.1	1.5	<0.01	1.5
GRIMES	0.07	0.33	0.40	0.53	0.23	0.76	0.61	0.36	0.97
GUADALUPE	<0.01	1.2	1.2	<0.01	1.2	1.2	<0.01	0.83	0.83
HARDIN	0.88	1.9	2.8	8.9	2.2	11	9.4	4.2	14
HARRIS	220	54	270	270	74	340	350	81	430
HARRISON	0.19	0.02	0.21	0.56	0.02	0.58	0.83	<0.01	0.83
HENDERSON	1.4	0.05	1.5	1.8	0.20	2.0	1.3	0.05	1.4

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
HIDALGO	2.8	38	41	4.4	74	78	3.3	28	31
HOPKINS	<0.01	0.04	0.04	<0.01	0.06	0.06	<0.01	<0.01	<0.01
HOUSTON	1.2	0.18	1.3	1.1	0.03	1.2	0.46	0.03	0.49
JACKSON	1.6	86	88	2.7	78	81	4.1	100	110
JASPER	21	0.11	21	35	0.14	35	45	<0.01	45
JEFFERSON	2.4	<0.01	2.4	2.4	<0.01	2.4	4.1	<0.01	4.1
JIM HOGG	0.40	0.29	0.69	0.41	1.1	1.5	0.41	1.4	1.8
JIM WELLS	4.4	0.49	4.9	5.4	1.1	6.5	2.3	2.2	4.5
KARNES	0.97	0.40	1.4	1.2	1.7	2.9	1.8	0.75	2.5
KENEDY	0.03	<0.01	0.03	<0.01	<0.01	<0.01	0.01	<0.01	0.01
KLEBERG	3.5	0.64	4.2	7.5	0.76	8.3	8.0	0.29	8.3
LA SALLE	0.72	4.9	5.7	0.88	12	13	0.84	11	12
LAVACA	0.86	12	13	1.2	14	15	1.3	21	22
LEE	0.32	<0.01	0.32	0.46	<0.01	0.46	0.70	0.17	0.87
LEON	0.27	0.24	0.51	0.38	0.03	0.41	0.78	<0.01	0.78
LIBERTY	1.2	37	38	1.5	28	29	2.0	29	31
LIMESTONE	0.22	<0.01	0.22	0.12	<0.01	0.12	0.20	0.03	0.22
LIVE OAK	0.13	0.62	0.75	0.31	1.3	1.6	0.54	1.5	2.0
MADISON	0.36	0.06	0.42	0.61	0.09	0.70	0.70	0.17	0.87
MARION	0.48	<0.01	0.48	0.32	<0.01	0.32	0.05	<0.01	0.05
MATAGORDA	2.3	17	20	2.4	27	29	6.6	25	32
MAVERICK	<0.01	1.2	1.2	<0.01	2.2	2.2	<0.01	3.7	3.7
MC MULLEN	<0.01	0.07	0.07	0.30	0.12	0.42	0.36	<0.01	0.36
MEDINA	0.22	0.05	0.27	0.49	0.06	0.56	0.64	0.15	0.79
MILAM	0.54	0.17	0.71	2.5	0.31	2.8	2.0	0.11	2.1
MONTGOMERY	2.3	0.04	2.4	2.3	0.06	2.4	4.0	0.09	4.1
MORRIS	0.66	0.02	0.68	0.49	0.03	0.52	0.55	<0.01	0.55
NACOGDOCHES	1.4	<0.01	1.4	2.6	<0.01	2.6	4.4	<0.01	4.4
NAVARRO	<0.01	0.05	0.05	<0.01	0.04	0.04	<0.01	<0.01	<0.01
NEWTON	0.14	0.74	0.88	0.25	1.0	1.3	0.42	0.92	1.3

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1960			1965			1970		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
NUECES	2.4	0.20	2.6	2.6	0.66	3.3	2.0	0.72	2.7
ORANGE	9.7	0.40	10	20	0.61	20	21	1.0	22
PANOLA	1.7	<0.01	1.7	1.8	0.01	1.8	1.4	0.01	1.4
POLK	0.63	<0.01	0.63	0.76	<0.01	0.76	0.87	<0.01	0.87
RAINS	0.05	<0.01	0.05	0.03	<0.01	0.03	0.04	<0.01	0.04
REFUGIO	0.82	0.24	1.1	1.2	0.40	1.6	1.1	<0.01	1.1
ROBERTSON	0.99	19	20	1.2	29	30	1.6	14	16
RUSK	1.4	0.01	1.4	3.0	0.02	3.0	3.4	<0.01	3.4
SABINE	<0.01	<0.01	<0.01	0.30	<0.01	0.30	0.30	<0.01	0.30
SAN AUGUSTINE	0.36	<0.01	0.36	<0.01	<0.01	<0.01	0.02	<0.01	0.02
SAN JACINTO	<0.01	<0.01	<0.01	0.05	<0.01	0.05	0.08	<0.01	0.08
SAN PATRICIO	2.0	19	21	1.6	7.5	9.1	1.0	5.4	6.5
SHELBY	0.16	<0.01	0.16	0.21	<0.01	0.21	0.95	<0.01	0.95
SMITH	2.0	0.09	2.1	6.2	0.11	6.3	4.9	0.11	5.0
STARR	0.54	0.21	0.75	0.69	13	13	0.50	9.9	10
TITUS	0.94	<0.01	0.94	0.31	<0.01	0.31	0.35	<0.01	0.35
TRINITY	0.47	0.01	0.48	0.27	<0.01	0.27	0.47	<0.01	0.47
TYLER	0.03	<0.01	0.03	0.26	<0.01	0.26	0.88	0.01	0.89
UPSHUR	0.76	<0.01	0.76	0.78	<0.01	0.78	1.1	<0.01	1.1
VAN ZANDT	0.19	0.04	0.23	0.7	0.03	0.73	1.3	<0.01	1.3
VICTORIA	1.7	14	16	6.8	12	18	11	15	27
WALKER	1.5	0.07	1.5	2.1	<0.01	2.1	3.2	<0.01	3.2
WALLER	4.2	22	26	3.7	20	24	4.1	26	30
WASHINGTON	0.83	0.71	1.5	0.94	0.73	1.7	1.5	0.17	1.6
WEBB	0.06	0.04	0.1	0.12	<0.01	0.12	0.19	<0.01	0.19
WHARTON	6.1	100	110	7.5	96	100	8.0	170	180
WILLACY	0.02	0.03	0.05	0.03	<0.01	0.03	0.06	<0.01	0.06
WILSON	0.87	11	11	1.2	11	12	1.1	11	12
WOOD	0.84	0.01	0.85	1.8	0.03	1.9	2.1	<0.01	2.1
ZAPATA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZAVALA	0.84	73	74	1.4	95	96	1.4	56	58

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
ALABAMA									
BALDWIN	6.5	3.4	9.9	5.8	6.1	12	9.3	8.1	17
CHOCTAW	0.96	1.1	2.1	0.34	1.9	2.3	0.55	1.0	1.6
CLARKE	1.7	0.75	2.5	0.99	1.8	2.7	1.5	0.79	2.3
CONECUH	<0.01	0.85	0.85	<0.01	1.1	1.1	<0.01	0.58	0.58
ESCAMBIA	2.0	0.76	2.8	2.6	1.4	4.0	3.0	0.49	3.5
MARENGO	<0.01	0.64	0.64	<0.01	1.7	1.7	<0.01	0.95	0.95
MOBILE	54	3.8	58	20	5.3	25	16	3.7	20
MONROE	<0.01	0.79	0.79	<0.01	1.1	1.1	<0.01	0.96	0.96
SUMTER	0.13	0.52	0.65	0.05	0.78	0.83	0.05	0.76	0.81
WASHINGTON	10	1.4	12	3.7	1.7	5.3	3.5	0.86	4.4
WILCOX	<0.01	0.30	0.30	<0.01	0.41	0.41	<0.01	0.43	0.43
ARKANSAS									
ARKANSAS	3.0	160	160	4.1	240	250	3.6	220	220
ASHLEY	12	41	54	12	99	110	12	67	79
BRADLEY	1.2	0.41	1.6	1.4	0.80	2.2	1.4	0.59	2.0
CALHOUN	0.41	0.32	0.73	0.82	0.26	1.1	0.29	0.26	0.55
CHICOT	1.0	47	48	1.8	69	71	1.7	76	78
CLARK	<0.01	0.64	0.64	<0.01	2.0	2.0	<0.01	1.8	1.8
CLAY	0.55	60	60	1.2	150	150	0.62	180	180
CLEVELAND	0.15	0.53	0.68	0.42	0.58	1.0	0.43	0.66	1.1
COLUMBIA	5.2	1.3	6.4	5.5	2.2	7.8	6.3	2.0	8.3
CRAIGHEAD	5.8	140	150	7.9	220	220	6.9	200	200
CRITTENDEN	4.8	38	43	6.0	83	89	6.0	110	120
CROSS	3.0	170	170	2.5	220	230	2.3	260	260
DALLAS	0.65	0.74	1.4	0.90	0.75	1.6	0.98	0.36	1.3
DESHA	1.4	130	130	2.3	150	150	6.2	130	130
DREW	2.5	33	36	2.8	46	48	2.8	41	43

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
GRANT	1.2	0.52	1.7	1.4	0.51	1.9	1.1	0.37	1.5
GREENE	2.2	68	70	3.0	140	140	2.3	130	140
HEMPSTEAD	<0.01	1.3	1.3	<0.01	2.2	2.2	<0.01	2.4	2.4
HOT SPRING	<0.01	0.84	0.84	<0.01	0.80	0.80	<0.01	0.95	0.95
INDEPENDENCE	0.10	7.1	7.2	0.20	17	17	0.19	30	30
JACKSON	3.2	160	160	2.1	210	210	2.4	200	200
JEFFERSON	54	110	160	57	160	210	38	130	170
LAFAYETTE	2.3	13	15	2.7	20	23	2.2	16	18
LAWRENCE	1.2	76	77	1.3	150	150	1.4	150	150
LEE	0.99	40	41	1.4	120	120	1.3	97	98
LINCOLN	0.93	84	85	1.3	89	90	1.2	86	87
LITTLE RIVER	<0.01	1.1	1.1	<0.01	4.3	4.3	<0.01	2.0	2.0
LONOKE	2.6	260	260	3.8	370	380	3.4	300	300
MILLER	0.19	2.5	2.7	0.27	5.7	6.0	0.24	19	20
MISSISSIPPI	13	6.7	19	11	33	44	7.4	49	56
MONROE	0.97	82	83	1.3	170	170	1.4	120	120
NEVADA	<0.01	0.87	0.87	<0.01	1.2	1.2	<0.01	1.4	1.4
OUACHITA	3.6	0.88	4.5	3.6	0.47	4.1	3.2	0.65	3.8
PHILLIPS	8.4	16	24	5.9	78	84	5.6	72	78
POINSETT	3.9	180	180	3.3	310	320	2.7	300	300
PRAIRIE	0.51	140	140	0.87	190	190	0.80	190	190
PULASKI	5.3	18	23	4.8	30	35	2.3	27	29
RANDOLPH	<0.01	19	19	<0.01	42	42	<0.01	41	41
SALINE	0.16	0.94	1.1	0.20	1.7	1.9	0.28	1.7	1.9
ST FRANCIS	3.2	100	100	3.3	140	140	3.0	110	110
UNION	18	0.56	18	16	0.66	17	13	0.76	14
WHITE	0.24	16	16	0.40	52	52	0.35	50	50
WOODRUFF	0.77	120	120	1.0	170	170	0.73	140	140
				FLORIDA					
ESCAMBIA	77	6.3	83	72	4.1	76	74	9.9	84

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
KENTUCKY									
BALLARD	0.13	<0.01	0.13	0.33	<0.01	0.33	0.29	0.14	0.43
CALLOWAY	2.0	<0.01	2.0	2.1	<0.01	2.1	6.5	0.08	6.6
CARLISLE	0.17	<0.01	0.17	1.1	<0.01	1.1	0.18	0.13	0.31
FULTON	2.0	<0.01	2.0	2.1	<0.01	2.1	1.4	0.08	1.5
GRAVES	8.5	<0.01	8.5	9.9	<0.01	9.9	10	0.24	10
HICKMAN	0.14	<0.01	0.14	0.15	<0.01	0.15	0.22	0.16	0.38
MARSHALL	0.98	<0.01	0.98	1.4	<0.01	1.4	1.7	0.14	1.9
MC CRACKEN	0.45	<0.01	0.45	0.51	<0.01	0.51	0.62	0.11	0.73
LOUISIANA									
ACADIA	13	140	150	5.6	190	200	8.6	100	110
ALLEN	11	52	64	1.9	80	82	1.7	44	46
ASCENSION	3.2	2.0	5.2	4.9	2.3	7.2	5.5	3.0	8.6
ASSUMPTION	8.3	0.02	8.3	4.6	0.45	5.0	4.3	0.01	4.3
AVOYELLES	2.9	14	17	4.0	7.9	12	2.4	13	15
BEAUREGARD	31	9.8	41	31	7.6	39	34	6.8	41
BIENVILLE	1.3	0.34	1.7	11	0.54	12	11	0.63	11
BOSSIER	2.5	0.43	2.9	1.4	2.6	4.0	1.7	1.5	3.2
CADDO	2.7	2.3	5.0	1.5	2.7	4.2	1.3	3.5	4.8
CALCASIEU	140	60	190	120	47	170	72	34	110
CALDWELL	0.64	0.09	0.73	0.63	9.9	11	0.75	8.0	8.7
CAMERON	5.1	3.1	8.2	5.9	4.0	9.9	3.3	5.4	8.6
CATAHOULA	0.83	0.89	1.7	0.70	0.67	1.4	0.68	5.7	6.4
CLAIBORNE	2.5	0.25	2.7	3.1	0.44	3.5	2.8	0.51	3.3
CONCORDIA	1.9	0.66	2.6	2.3	19	21	1.5	15	17
DE SOTO	1.2	2.3	3.6	1.6	0.62	2.2	1.0	0.77	1.8
EAST BATON ROUGE	130	0.64	130	150	2.1	150	120	1.0	120
EAST CARROLL	1.1	13	15	0.72	44	44	1.9	36	38
EAST FELICIANA	0.91	0.26	1.2	1.1	0.60	1.7	1.3	0.59	1.9
EVANGELINE	4.1	91	95	4.3	140	140	3.3	100	110

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
FRANKLIN	1.6	12	14	1.1	10	11	0.96	22	23
GRANT	0.79	0.19	0.98	0.97	0.30	1.3	1.9	0.56	2.5
IBERIA	18	6.8	25	13	18	31	11	15	26
IBERVILLE	33	0.27	33	41	0.31	41	29	0.28	30
JACKSON	15	0.46	15	4.5	0.68	5.2	4.8	0.40	5.2
JEFFERSON	12	0.35	12	9.4	0.19	9.5	4.0	0.18	4.2
JEFFERSON DAVIS	2.2	130	130	2.8	180	180	3.4	120	120
LA SALLE	1.1	0.09	1.2	1.5	0.20	1.7	1.4	0.23	1.6
LAFAYETTE	12	24	36	15	22	37	17	14	31
LAFOURCHE	<0.01	0.04	0.04	<0.01	0.05	0.05	1.0	0.03	1.0
LINCOLN	5.2	0.62	5.8	6.3	0.54	6.9	5.9	0.54	6.4
LIVINGSTON	2.1	1.0	3.1	2.9	3.0	5.9	3.6	1.9	5.5
MADISON	1.0	8.0	9.0	1.4	3.5	4.9	1.3	15	16
MOREHOUSE	18	89	110	15	50	65	8.2	48	57
NATCHITOCHES	0.42	0.75	1.2	0.48	3.9	4.4	0.51	1.3	1.8
ORLEANS	35	0.42	36	35	0.11	36	20	0.08	20
OUACHITA	18	0.48	19	19	1.8	21	17	1.2	19
PLAQUEMINES	---	---	---	---	---	---	<0.01	0.07	0.07
POINTE COUPEE	6.3	1.2	7.5	5.2	5.4	11	3.7	6.3	10
RAPIDES	28	6.7	35	33	0.49	34	30	1.4	31
RED RIVER	0.90	6.1	7.0	0.74	1.5	2.3	0.82	1.6	2.4
RICHLAND	1.4	44	45	2.1	59	61	2.2	46	48
SABINE	1.2	0.58	1.8	0.51	1.3	1.8	0.58	1.5	2.1
ST BERNARD	1.4	<0.01	1.4	1.4	0.15	1.5	0.90	0.01	0.91
ST CHARLES	11	0.10	11	8.3	<0.01	8.3	16	<0.01	16
ST HELENA	0.16	0.32	0.48	0.21	1.0	1.2	0.29	1.0	1.3
ST JAMES	5.1	0.17	5.3	7.5	0.04	7.5	7.4	<0.01	7.4
ST JOHN THE BAPTIST	4.9	0.06	5.0	5.5	0.33	5.9	7.8	<0.01	7.8
ST LANDRY	8.0	38	46	11	38	49	10	45	55
ST MARTIN	9.5	2.8	12	11	19	30	5.7	23	29

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
ST MARY	4.8	2.1	7.0	2.5	2.0	4.5	5.4	3.5	8.9
ST TAMMANY	8.5	19	27	9.2	15	24	11	5.1	16
TANGIPAHOA	6.6	7.4	14	8.2	8.5	17	9.9	4.7	15
TENSAS	1.1	1.9	3.0	0.51	5.0	5.5	0.45	26	27
TERREBONNE	0.54	<0.01	0.54	0.16	<0.01	0.16	0.07	<0.01	0.07
UNION	1.3	0.57	1.8	2.3	0.92	3.2	0.91	0.89	1.8
VERMILION	7.5	47	54	11	34	45	7.7	23	31
VERNON	4.2	0.85	5.0	5.6	1.7	7.3	6.0	1.9	8.0
WASHINGTON	28	3.6	31	30	3.7	33	25	2.6	27
WEBSTER	13	0.06	13	6.8	0.28	7.1	6.8	0.49	7.3
WEST BATON ROUGE	7.2	0.16	7.3	9.2	0.34	9.5	9.4	0.19	9.5
WEST CARROLL	0.84	7.3	8.2	1.3	11	12	1.1	14	15
WEST FELICIANA	3.6	0.30	3.9	7.0	1.9	8.9	3.5	0.13	3.7
WINN	2.5	0.39	2.9	2.6	0.53	3.2	2.0	0.46	2.5
MISSISSIPPI									
ADAMS	49	0.60	49	46	0.07	46	41	0.08	41
AMITE	1.4	0.89	2.3	1.1	0.35	1.4	1.7	0.54	2.2
ATTALA	2.0	0.66	2.7	2.2	0.24	2.5	1.7	0.31	2.0
BENTON	0.09	0.50	0.59	0.17	0.27	0.44	0.19	0.29	0.48
BOLIVAR	11	190	200	9.9	260	270	8.1	220	230
CALHOUN	<0.01	1.6	1.6	<0.01	0.44	0.45	<0.01	0.40	0.41
CARROLL	0.26	1.1	1.4	0.31	0.56	0.87	0.63	0.29	0.92
CHOCTAW	0.63	0.16	0.79	1.0	0.19	1.2	1.2	0.19	1.4
CLAIBORNE	1.7	0.23	1.9	1.6	0.21	1.8	35	0.15	35
CLARKE	0.88	0.46	1.3	2.0	0.16	2.1	3.4	0.13	3.6
COAHOMA	23	29	52	17	41	58	9.5	41	50
COPIAH	3.8	0.57	4.4	4.9	0.33	5.2	6.0	0.45	6.5
COVINGTON	2.0	0.35	2.4	1.4	0.25	1.7	1.8	0.53	2.4
DE SOTO	4.2	6.0	10	5.3	7.2	13	5.8	3.3	9.1
FORREST	19	1.0	20	19	0.35	20	19	0.32	19

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
FRANKLIN	0.40	0.22	0.62	0.61	0.13	0.74	0.68	0.08	0.76
GEORGE	0.35	0.52	0.87	0.64	0.47	1.1	1.1	0.99	2.0
GREENE	0.27	0.47	0.74	0.40	0.24	0.64	0.55	0.52	1.1
GRENADA	5.3	1.1	6.3	6.0	5.4	11	6.6	5.1	12
HANCOCK	3.7	0.93	4.6	2.2	2.6	4.8	2.1	0.80	2.9
HARRISON	23	2.9	26	24	0.17	24	29	0.64	30
HINDS	13	1.6	14	13	1.1	14	10	1.0	11
HOLMES	2.3	14	16	2.5	15	17	2.5	8.3	11
HUMPHREYS	1.3	67	68	0.84	140	140	1.6	130	140
ISSAQUENA	0.01	1.8	1.8	0.05	9.1	9.1	0.08	17	17
JACKSON	18	0.61	19	21	1.3	22	16	1.7	18
JASPER	1.5	0.38	1.9	1.8	0.30	2.1	1.8	0.30	2.1
JEFFERSON	0.46	0.27	0.73	0.65	0.18	0.83	0.52	0.12	0.64
JEFFERSON DAVIS	0.31	0.64	0.95	1.0	0.19	1.2	1.2	0.20	1.4
JONES	19	2.4	22	14	0.45	15	15	2.5	18
KEMPER	0.28	0.49	0.77	0.47	0.21	0.68	0.61	0.12	0.73
LAFAYETTE	3.3	0.28	3.6	3.3	0.45	3.8	3.4	0.27	3.7
LAMAR	4.1	0.99	5.1	6.7	0.17	6.9	12	0.19	13
LAUDERDALE	6.2	2.9	9.1	4.4	0.99	5.4	7.0	1.4	8.4
LAWRENCE	0.75	0.28	1.0	0.83	0.25	1.1	1.2	0.51	1.7
LEAKE	0.98	0.72	1.7	1.8	0.44	2.2	1.9	2.7	4.6
LEFLORE	17	67	84	18	87	100	8.7	84	93
LINCOLN	1.5	0.71	2.2	1.8	0.68	2.5	2.3	0.63	3.0
MADISON	4.0	1.1	5.1	3.9	0.65	4.6	5.1	1.4	6.5
MARION	1.6	1.8	3.4	1.6	0.85	2.5	2.6	1.2	3.8
MARSHALL	0.88	0.72	1.6	1.5	1.0	2.6	1.3	1.1	2.4
MONTGOMERY	0.93	0.25	1.2	1.2	0.22	1.4	1.2	0.39	1.6
NESHOBA	1.6	0.54	2.2	2.0	0.69	2.7	2.6	0.70	3.3
NEWTON	1.0	0.75	1.8	1.2	0.51	1.7	2.3	1.4	3.7
PANOLA	3.7	4.9	8.6	3.3	6.0	9.3	2.4	9.0	11

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
PEARL RIVER	2.9	1.5	4.5	3.2	0.95	4.2	4.1	1.1	5.2
PERRY	0.61	0.42	1.0	1.0	0.18	1.2	0.83	0.55	1.4
PIKE	3.8	1.2	5.0	5.0	0.50	5.5	4.7	0.63	5.3
QUITMAN	1.5	19	20	1.1	34	35	1.6	55	57
RANKIN	5.1	0.37	5.5	8.2	0.30	8.5	7.0	1.0	8.0
SCOTT	4.5	0.60	5.1	5.6	0.73	6.4	7.7	2.4	10
SHARKEY	0.45	17	17	0.59	32	32	0.50	32	33
SIMPSON	1.6	0.44	2.0	1.2	0.21	1.4	3.2	0.91	4.1
SMITH	1.2	0.78	2.0	1.8	0.38	2.2	1.3	2.0	3.3
STONE	1.3	0.42	1.7	2.1	0.22	2.3	1.3	0.43	1.7
SUNFLOWER	3.2	71	74	4.3	180	180	4.9	190	190
TALLAHATCHIE	0.76	30	31	0.97	37	38	1.0	41	42
TATE	1.7	3.2	4.9	1.5	1.8	3.2	1.5	4.4	5.9
TIPPAH	<0.01	0.11	0.11	<0.01	0.10	0.10	<0.01	0.06	0.06
TUNICA	0.47	40	41	0.61	53	54	0.99	79	80
WALTHALL	1.4	0.73	2.1	1.3	0.57	1.9	1.9	0.28	2.2
WARREN	7.6	0.51	8.1	10	1.4	11	10	0.65	11
WASHINGTON	18	81	99	17	150	170	13	120	130
WAYNE	0.66	0.84	1.5	1.3	0.58	1.9	1.4	1.1	2.6
WEBSTER	0.38	0.43	0.81	0.50	0.10	0.60	0.57	0.09	0.66
WILKINSON	0.31	0.30	0.61	0.38	0.31	0.69	1.0	0.12	1.1
WINSTON	2.1	0.53	2.6	1.9	0.35	2.3	2.6	0.29	2.9
YALOBUSHA	2.5	0.48	3.0	2.7	0.12	2.8	2.2	0.05	2.2
YAZOO	20	18	39	20	22	42	10	27	37
MISSOURI									
BUTLER	0.08	29	29	0.15	110	110	0.27	120	120
DUNKLIN	2.7	3.9	6.6	2.9	4.3	7.2	3.4	4.7	8.1
MISSISSIPPI	1.6	3.1	4.7	1.6	6.7	8.3	1.8	7.5	9.3
NEW MADRID	1.7	12	14	2.2	18	20	2.6	21	24
PEMISCOT	1.3	3.3	4.6	2.3	2.3	4.5	2.9	3.5	6.4
RIPLEY	<0.01	2.8	2.8	<0.01	6.1	6.1	0.81	7.5	8.3
SCOTT	2.5	6.1	8.7	4.3	6.0	10	5.7	6.3	12
STODDARD	1.4	30	32	1.8	58	60	3.4	91	94

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
TENNESSEE									
CARROLL	2.5	<0.01	2.5	3.0	<0.01	3.0	5.5	0.77	6.3
CHESTER	0.55	<0.01	0.55	0.67	<0.01	0.67	0.71	0.54	1.2
CROCKETT	4.1	<0.01	4.1	6.0	<0.01	6.0	2.5	0.15	2.6
DYER	5.6	0.02	5.6	6.0	<0.01	6.0	6.1	0.28	6.3
FAYETTE	1.9	<0.01	1.9	2.9	<0.01	2.9	5.1	1.5	6.6
GIBSON	6.4	<0.01	6.4	5.7	<0.01	5.7	8.4	0.65	9.1
HARDEMAN	3.4	<0.01	3.4	3.1	<0.01	3.1	2.9	0.52	3.4
HAYWOOD	1.2	<0.01	1.2	1.4	<0.01	1.4	1.6	0.41	2.0
HENRY	2.7	<0.01	2.7	2.9	<0.01	2.9	2.8	0.96	3.7
LAKE	1.7	<0.01	1.7	2.0	<0.01	2.0	1.0	0.15	1.2
LAUDERDALE	2.2	<0.01	2.2	2.9	<0.01	2.9	3.2	0.20	3.4
MADISON	9.9	0.02	9.9	14	<0.01	14	15	0.82	16
OBION	11	0.04	11	9.9	<0.01	9.9	9.1	0.39	9.5
SHELBY	200	0.28	200	200	<0.01	200	180	12	200
TIPTON	1.9	<0.01	1.9	2.8	<0.01	2.8	4.2	1.2	5.3
WEAKLEY	2.3	<0.01	2.3	2.5	<0.01	2.5	3.2	1.4	4.6
TEXAS									
ANDERSON	1.4	0.11	1.5	4.9	0.50	5.4	3.4	1.5	5.0
ANGELINA	29	0.41	29	29	1.0	30	27	0.92	28
ARANSAS	0.29	<0.01	0.29	0.60	<0.01	0.60	0.45	<0.01	0.45
ATASCOSA	2.7	50	53	20	50	70	13	29	42
AUSTIN	0.86	9.1	10	1.3	10	11	2	7.7	9.6
BASTROP	1.8	0.83	2.6	3.6	1.2	4.8	5.5	0.75	6.3
BEE	2.8	1.4	4.2	3.1	2.5	5.6	2.5	1.9	4.4
BEXAR	0.15	3.9	4.1	0.20	4.7	4.9	0.24	5.0	5.2
BOWIE	0.12	0.25	0.37	0.60	0.30	0.90	0.11	1.0	1.1
BRAZORIA	20	18	38	18	27	45	19	17	36

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
BRAZOS	15	3.0	18	18	4.3	22	24	6.5	31
BROOKS	1.4	1.5	2.9	1.1	0.50	1.6	1.3	0.56	1.8
BURLESON	0.60	7.5	8.1	1.0	6.3	7.3	1.5	6.2	7.7
CALDWELL	2.1	0.09	2.2	1.3	0.25	1.6	2.6	0.22	2.8
CALHOUN	0.19	2.4	2.6	1.9	11	13	0.32	3.5	3.8
CAMERON	1.0	<0.01	1.0	0.18	0.80	0.98	<0.01	1.2	1.2
CAMP	0.57	<0.01	0.57	0.80	0.90	1.7	1.4	0.54	1.9
CASS	1.5	<0.01	1.5	2.2	2.1	4.3	2.3	1.9	4.2
CHAMBERS	4.3	<0.01	4.3	1.9	1.8	3.7	2.6	0.37	3.0
CHEROKEE	3.3	0.04	3.4	2.7	3.8	6.5	4.9	0.69	5.6
COLORADO	7.6	53	61	1.8	60	62	2.7	35	38
DE WITT	2.2	0.73	3.0	1.8	1.5	3.3	3.2	1.2	4.4
DIMMIT	1.3	24	25	2.2	19	21	2.4	19	22
DUVAL	4.9	2.6	7.5	4.8	1.8	6.6	3.0	2.2	5.2
FALLS	<0.01	3.0	3.0	<0.01	0.10	0.10	<0.01	1.7	1.7
FAYETTE	1.3	0.14	1.5	1.7	1.9	3.6	2.0	1.1	3.1
FORT BEND	16	42	58	17	48	65	26	31	56
FRANKLIN	0.41	<0.01	0.41	0.50	0.50	1.0	0.60	0.38	0.98
FREESTONE	0.74	<0.01	0.74	0.80	1.2	2.0	1.8	0.68	2.4
FRIO	2.7	65	68	2.8	68	70	2.9	44	46
GALVESTON	26	<0.01	26	16	<0.01	16	7.3	<0.01	7.3
GOLIAD	0.29	0.16	0.45	0.40	0.50	0.90	1.0	0.49	1.5
GONZALES	1.3	1.4	2.7	1.2	2.6	3.8	1.2	1.4	2.5
GREGG	1.2	<0.01	1.2	2.5	0.70	3.2	4.2	0.93	5.1
GRIMES	0.77	0.10	0.87	1.5	0.90	2.4	1.4	1.4	2.8
GUADALUPE	<0.01	0.91	0.91	<0.01	1.4	1.4	<0.01	1.3	1.3
HARDIN	7.3	5.1	12	7.8	7.1	15	14	3.0	17
HARRIS	370	54	420	360	45	400	360	22	380
HARRISON	1.0	<0.01	1.0	0.40	3.1	3.5	1.7	1.6	3.4
HENDERSON	1.9	<0.01	1.9	0.80	2.9	3.7	4.2	0.96	5.2

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
HIDALGO	2.6	17	19	0.70	10	11	2.0	12	14
HOPKINS	<0.01	<0.01	<0.01	<0.01	1.2	1.2	<0.01	2.0	2.0
HOUSTON	0.52	0.26	0.78	0.20	2.0	2.2	1.9	1.0	2.9
JACKSON	4.4	110	110	1.4	120	120	2.6	63	66
JASPER	45	<0.01	45	44	2.4	46	44	1.8	46
JEFFERSON	2.2	<0.01	2.2	6.4	1.5	7.9	0.70	1.1	1.8
JIM HOGG	0.28	0.12	0.40	0.80	0.10	0.90	0.57	0.57	1.1
JIM WELLS	1.3	2.6	3.9	1.3	3.9	5.2	1.4	2.7	4.2
KARNES	2.1	2.4	4.5	1.5	1.4	2.9	2.8	1.6	4.4
KENEDY	0.03	<0.01	0.03	0.03	0.40	0.43	0.09	0.11	0.20
KLEBERG	8.0	0.39	8.4	6.8	1.6	8.4	6.6	0.67	7.2
LA SALLE	0.89	11	12	0.70	9.9	11	0.95	2.8	3.8
LAVACA	1.4	22	23	2.3	25	28	1.7	16	18
LEE	1.0	0.30	1.3	1.1	1.5	2.6	1.8	1.0	2.8
LEON	0.36	0.03	0.39	0.50	1.7	2.2	1.6	1.6	3.2
LIBERTY	3.1	30	33	2.3	30	32	4.5	19	23
LIMESTONE	0.74	0.03	0.77	0.40	0.80	1.2	0.33	0.53	0.86
LIVE OAK	0.53	1.5	2.1	1.5	1.3	2.8	1.6	3.1	4.7
MADISON	0.77	0.04	0.81	0.70	1.2	1.9	1.9	1.0	2.9
MARION	0.08	<0.01	0.08	0.52	0.80	1.3	0.19	0.65	0.84
MATAGORDA	4.6	33	37	4.0	30	34	7.0	23	30
MAVERICK	<0.01	3.0	3.0	<0.01	1.5	1.5	0.19	2.4	2.6
MC MULLEN	0.24	<0.01	0.24	0.50	0.20	0.70	0.67	0.10	0.77
MEDINA	0.74	0.18	0.93	1.3	0.30	1.6	1.5	0.26	1.8
MILAM	1.5	0.14	1.6	2.3	1.7	4.0	3.4	0.95	4.3
MONTGOMERY	7.4	<0.01	7.4	7.3	11	19	22	2.0	24
MORRIS	0.50	<0.01	0.50	0.70	0.60	1.3	0.37	0.86	1.2
NACOGDOCHES	5.4	<0.01	5.4	4.5	2.3	6.8	5.7	0.91	6.6
NAVARRO	<0.01	<0.01	<0.01	<0.01	0.10	0.10	<0.01	0.07	0.07
NEWTON	0.36	0.68	1.0	0.50	2.0	2.5	0.67	1.4	2.1

Table 10.--Point, areal, and total ground-water pumpage by State, County, and year--Continued

County or Parish	Ground-water pumpage (million gallons per day)								
	1975			1980			1985		
	Point	Areal	Total	Point	Areal	Total	Point	Areal	Total
NUECES	1.8	<0.01	1.8	1.3	1.2	2.5	1.4	2.7	4.1
ORANGE	19	1.0	20	15	3.5	18	13	3.2	17
PANOLA	1.1	<0.01	1.1	0.70	1.9	2.6	1.8	1.2	3.0
POLK	1.3	<0.01	1.3	1.9	3.0	4.9	3.4	0.60	4.0
RAINS	<0.01	<0.01	<0.01	<0.01	0.30	0.30	<0.01	0.24	0.24
REFUGIO	1.2	<0.01	1.2	1.3	0.40	1.7	1.1	0.27	1.4
ROBERTSON	1.9	14	16	2.2	16	18	2.3	15	18
RUSK	3.1	<0.01	3.1	4.2	2.5	6.7	5.0	1.1	6.1
SABINE	0.20	<0.01	0.20	0.50	0.40	0.90	0.60	0.26	0.86
SAN AUGUSTINE	0.21	<0.01	0.21	0.12	0.80	0.92	0.20	0.39	0.59
SAN JACINTO	0.23	<0.01	0.23	0.30	1.0	1.3	1.0	0.50	1.5
SAN PATRICIO	1.3	5.3	6.6	1.0	2.6	3.6	0.96	1.6	2.6
SHELBY	0.78	<0.01	0.78	0.30	2.2	2.5	1.8	1.1	2.9
SMITH	6.3	0.04	6.3	6.2	6.1	12	16	0.98	17
STARR	0.47	<0.01	0.47	0.37	0.6	0.97	0.26	1.2	1.5
TITUS	0.55	<0.01	0.55	0.5	0.7	1.2	0.46	0.85	1.3
TRINITY	0.78	<0.01	0.78	0.6	0.7	1.3	0.34	0.34	0.68
TYLER	0.71	<0.01	0.71	0.8	1.4	2.2	1.5	0.63	2.1
UPSHUR	1.5	<0.01	1.5	1.5	2.1	3.6	2.7	1.3	4.0
VAN ZANDT	1.7	<0.01	1.7	3.0	2.3	5.3	3.0	1.6	4.6
VICTORIA	9.7	14	24	9.9	26	35	15	12	27
WALKER	3.9	<0.01	3.9	3.2	5.7	8.9	3.3	0.72	4.0
WALLER	3.3	27	30	2.5	25	27	4.0	30	34
WASHINGTON	0.18	0.07	0.25	0.2	1.5	1.7	0.77	1.2	2.0
WEBB	0.16	<0.01	0.16	0.2	0.5	0.7	0.44	0.24	0.68
WHARTON	7.5	160	170	5.9	150	160	7.2	160	160
WILLACY	0.14	<0.01	0.14	<0.01	0.5	0.5	<0.01	0.03	0.03
WILSON	1.8	13	15	2.6	5.8	8.4	3.2	5.8	9.0
WOOD	2.1	<0.01	2.1	4.4	1.0	5.4	7.2	1.1	8.3
ZAPATA	<0.01	<0.01	<0.01	<0.01	0.2	0.2	<0.01	0.08	0.08
ZAVALA	1.7	100	110	2.5	74	76	3.3	84	88

Table 11.--*Description of diskette containing pumpage data*

Disk format: Detailed pumpage data are included in six ASCII files on a standard high-density (1.2 MB), 5-1/4 inch, IBM-PC/AT, MS-DOS [1/] formatted floppy diskette.

Data file names are:

"GCPUMP60.DTA" for the 1960 pumpage.

"GCPUMP65.DTA" for the 1965 pumpage.

"GCPUMP70.DTA" for the 1970 pumpage.

"GCPUMP75.DTA" for the 1975 pumpage.

"GCPUMP80.DTA" for the 1980 pumpage.

"GCPUMP85.DTA" for the 1985 pumpage.

Data format is:

Columns	Contains
1-3	5-mile row
4-5	5-mile column
6-7	Layer number
8-11	Areal pumpage in 10,000 gallons per day
12-15	Point pumpage in 10,000 gallons per day

[1/] Use of product or trade names does not constitute an endorsement by the U.S. Geological Survey.