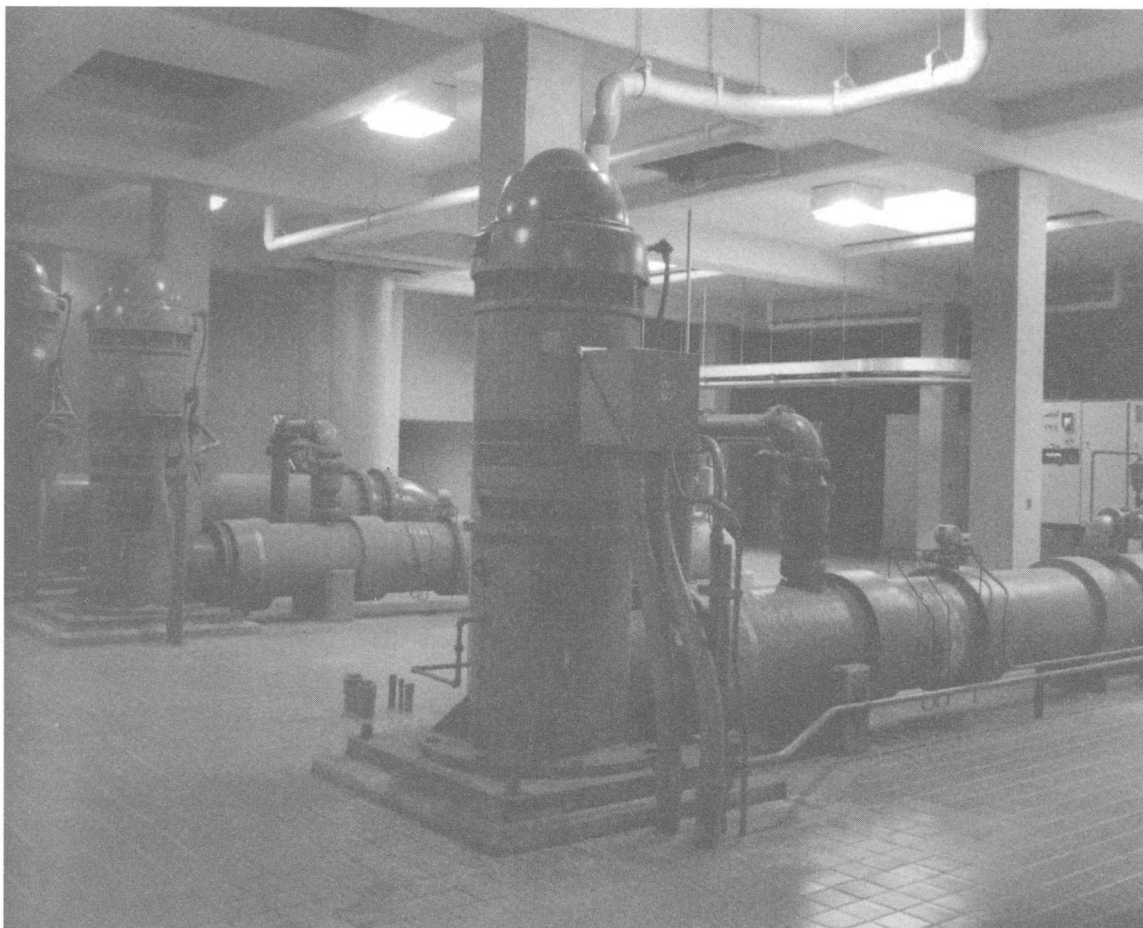


Prepared in cooperation with the  
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION,  
DIVISION OF WATER SUPPLY

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# Public Water-Supply Systems and Associated Water Use in Tennessee, 1995

Water-Resources Investigations Report 99-4052



Cover photograph courtesy of Memphis Light, Gas and Water Division.

# **Public Water-Supply Systems and Associated Water Use in Tennessee, 1995**

**By SUSAN S. HUTSON**

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**U.S. GEOLOGICAL SURVEY**

**Water-Resources Investigations Report 99-4052**

**Prepared in cooperation with the  
TENNESSEE DEPARTMENT OF ENVIRONMENT  
AND CONSERVATION,  
DIVISION OF WATER SUPPLY**

**Nashville, Tennessee  
1999**

**U.S. DEPARTMENT OF THE INTERIOR  
BRUCE BABBITT, Secretary**

**U.S. GEOLOGICAL SURVEY  
Charles G. Groat, Director**

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## CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
gallon (gal)	3.785	liter
gallon (gal)	0.003785	cubic meter
gallon per minute (gal/min)	0.06309	liter per second
gallon per day (gal/d)	0.003785	cubic meter per day
million gallons (Mgal)	3,785	cubic meters
million gallons per day (Mgal/d)	0.04381	cubic meters per second
inch (in.)	2.54	centimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi <sup>2</sup> )	2.590	square kilometer
cubic foot (ft <sup>3</sup> )	0.02832	cubic meter
acre-foot (acre-ft)	1,233	cubic meter
acre-foot (acre-ft)	$3.26 \times 10^5$	gallon

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

# Public Water-Supply Systems and Associated Water Use in Tennessee, 1995

By Susan S. Hutson

## Abstract

An inventory of public water-supply systems in Tennessee in 1995 indicated that 530 public water-supply systems supplied water to 4.42 million people, or 84 percent of Tennessee's population. Public-supply water withdrawals totaled 779 million gallons per day, 64 percent (500 million gallons per day) of which was from surface-water sources. All of the surface-water withdrawals for public-water supply took place within the Tennessee (279 million gallons per day) and the Ohio (221 million gallons per day) hydrologic regions. Ground-water withdrawals statewide accounted for 36 percent (279 million gallons per day) of the total public-supply water withdrawal. Ground water is the sole source of public-supply water in the Lower Mississippi hydrologic region of western Tennessee. Public water-supply systems in western Tennessee withdrew 216 million gallons per day, or 77 percent, of the 279 million gallons per day of ground water withdrawn for public supply statewide.

## INTRODUCTION

Public water-supply systems withdraw, treat, and distribute water to residential, commercial, and industrial customers and to municipal services such as firefighting. Water lost by leaky pipes from the distribution system (conveyance losses) and system maintenance also are part of the total use by the system. The people of Tennessee depend on public water-supply systems to provide clean water to drink and of sufficient and reliable quantity to ensure both their health and economic well being. Water use and related information about active public water-supply systems in

Tennessee change as transfers of system ownership, consolidation and interconnectiveness among systems, and development of alternative sources of supply occur. The need for current and accurate water-use data for public water-supply systems has been underscored by droughts during the 1980's, recent source-water protection initiatives, increasing water requirements for both instream and offstream uses, and concern about available water for development and possible future water shortages.

The U.S. Geological Survey (USGS), as part of its ongoing water-resources programs in Tennessee, compiled data for public water-supply systems. This effort was done in cooperation with the Tennessee Department of Environment and Conservation (TDEC), Division of Water Supply (TDWS) through the Tennessee Water-Use Information Program. This report updates the information on public supply published in the earlier reports, "Drought-related impacts on municipal and major self-supplied industrial withdrawals in Tennessee—Part B" (Alexander and others, 1984) and "Public water-supply systems and water use in Tennessee, 1988" (Hutson and Morris, 1992). In addition to providing data to the State of Tennessee to better manage the State's water resources, this report advances the understanding of the regional and temporal variations in public supply.

This report presents data collected from an inventory of Tennessee public water-supply systems and associated water-use information for 1995. Water withdrawals and wholesale transactions, sources of supply, population served, and design and storage capacities of the public water-supply systems were determined from water-supply records maintained by the Tennessee Division of Water Supply and from records maintained by the USGS containing river basin and aquifer information.

The inventory was limited to water systems that were active on September 30, 1995, and that served at

least 15 connections used by permanent residents, or those that regularly served at least 25 permanent residents. The systems inventoried included investor-owned water companies, private water companies, municipal water departments, regional water authorities, institutions, residential developments, mobile home parks, and homeowner associations.

Tennessee is divided into eight physiographic divisions (Miller, 1974) (fig. 1). The diverse topography of these divisions ranges from rolling hills and broad flood plains in the Coastal Plain Physiographic Province in western Tennessee to steep mountains and deep, narrow valleys in the Valley and Ridge Province in eastern Tennessee. The geologic setting of Tennessee includes unconsolidated sediments of the Coastal Plain Province in western Tennessee, limestone and dolomite of the Highland Rim and Central Basin in central Tennessee, and limestone and granite of the folded Appalachian Mountains in eastern Tennessee. Tennessee receives an average of about 50 inches of precipitation per year (U.S. Department of Commerce, 1968). This plentiful rainfall recharges the aquifers and replenishes streamflow, thereby providing water for many uses in the State.

The author thanks the managers of the public water-supply systems for providing the data on which this report is based. The author also thanks Mr. David Draughon, Director of the Division of Water Supply, who initiated the data-collection program and coordinated transmittal of the survey forms from the public water-supply systems to the Tennessee Department of Environment and Conservation (TDEC) central office, and the TDEC Environmental Field Office managers and staff in Chattanooga, Cookeville, Jackson, Johnson City, Knoxville, and Nashville who provided ancillary-system and source-of-supply information.

## **WATER AVAILABILITY**

Local physiographic and geologic variations govern water availability statewide. In the Coastal Plain Province in western Tennessee, ground water is the principal source of public-supply water, whereas, typically, a combination of surface and ground water is used in the rest of the State. An extensive network of reservoirs storing about 8.12 million acre feet (acre-ft) (2,647 billion gallons) of water in the Ohio and Tennessee hydrologic regions (figs. 2 and 3) provides a reliable and abundant source of surface water for water systems in central and eastern Tennessee (U.S.

Army Corps of Engineers, 1981). In these two hydrologic regions, however, the many small unregulated tributaries are not reliable sources of public-supply drinking water. These smaller streams are characterized by no flow or low flow during the dry periods of late summer and early fall (table 1).

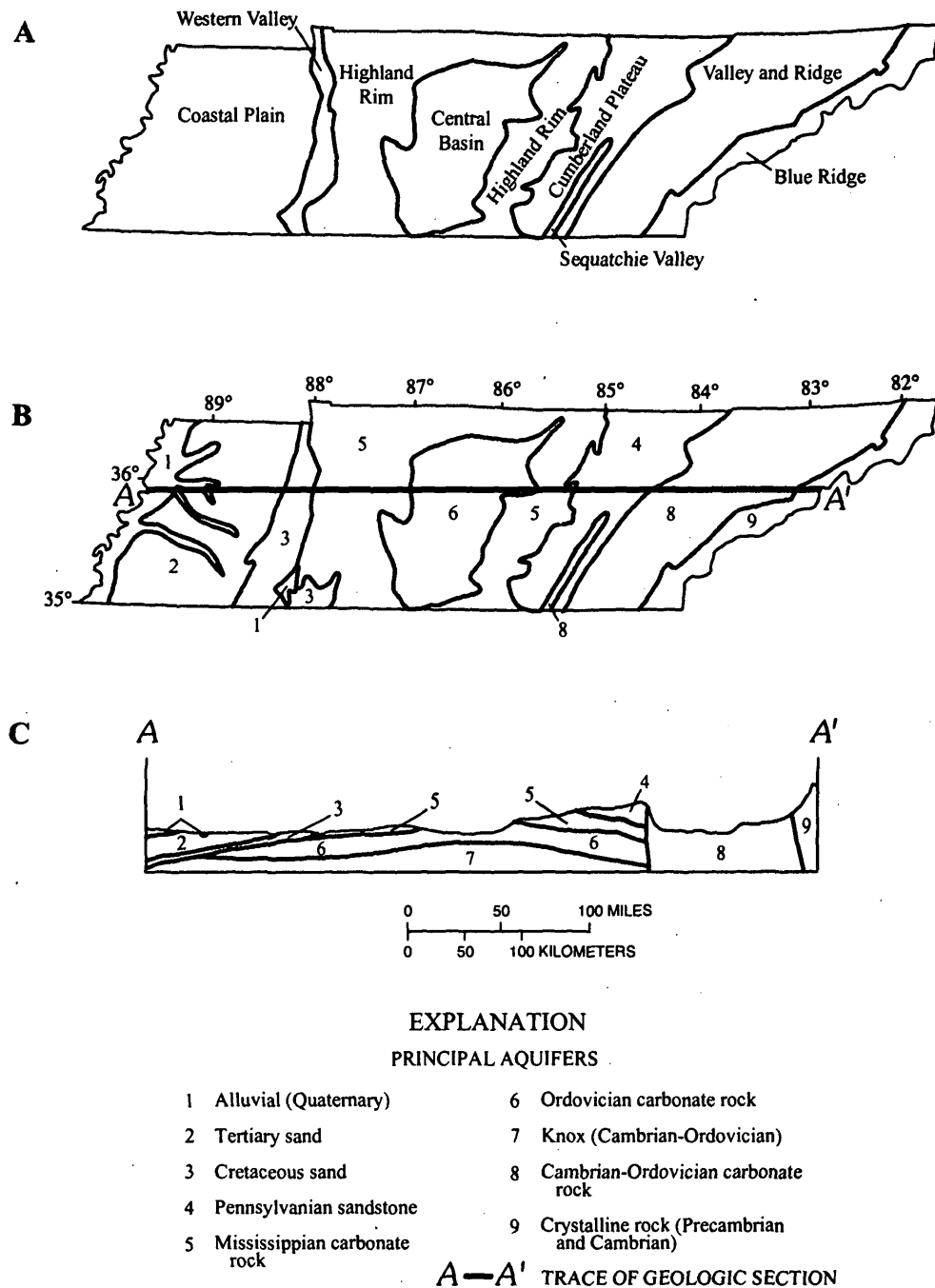
In contrast to central and eastern Tennessee, few water-storage sites are available in the Lower Mississippi hydrologic region in western Tennessee. Although ground water sustains flow in the main channels during the dry months, the unregulated, sediment-laden streams of this region are not used for any major public-water supply.

Ground water is withdrawn for public supply from eight of the nine principal aquifers in Tennessee (fig. 1). These aquifers are the Alluvial, Tertiary sand, Cretaceous sand, Mississippian carbonate rock, Ordovician carbonate rock, Pennsylvanian sandstone, Cambrian-Ordovician carbonate rock, and crystalline rock aquifers (table 2). Yields to wells of 1,000 gallons per minute (gal/min) are common in the Tertiary sand aquifer in western Tennessee (Hollyday and Bradley, 1985). This aquifer is the most productive aquifer in Tennessee and supplied 76 percent of the ground water pumped in the State in 1995 for all purposes (Hutson, 1998). The Mississippian and Ordovician carbonate rock aquifers in central Tennessee yield limited quantities of water to wells, and are not a principal source of water for public supply. Yields to wells vary widely in the Cambrian-Ordovician carbonate rock and the crystalline rock aquifers of eastern Tennessee. High-yielding springs from carbonate rocks in eastern Tennessee provide water to some public-supply systems. Large yields can be produced from wells completed in the Alluvial aquifer, especially in the western valley of the Tennessee River and the Mississippi alluvial plain of western Tennessee.

## **PUBLIC WATER-SUPPLY SYSTEMS**

In 1995 the Tennessee Division of Water Supply and the U.S. Geological Survey collected data for 530 public water-supply systems. Data for the 530 systems are presented by hydrologic region (Tennessee, Ohio, and Lower Mississippi) (fig. 3) in Supplements A, B, and C at the back of this report. Within each of the hydrologic regions, the individual water-supply systems are arranged by county in numerical order by the Tennessee "Public Water Supply Identification" (PWSID) number. The data consist of water-supply system name,





**Figure 1.** (A) Major physiographic divisions (modified from Fenneman, 1946, and Miller, 1974), (B) principal aquifers (modified from Hollyday and Bradley, 1985), and (C) generalized geologic section in Tennessee (Hollyday and Bradley, 1985).

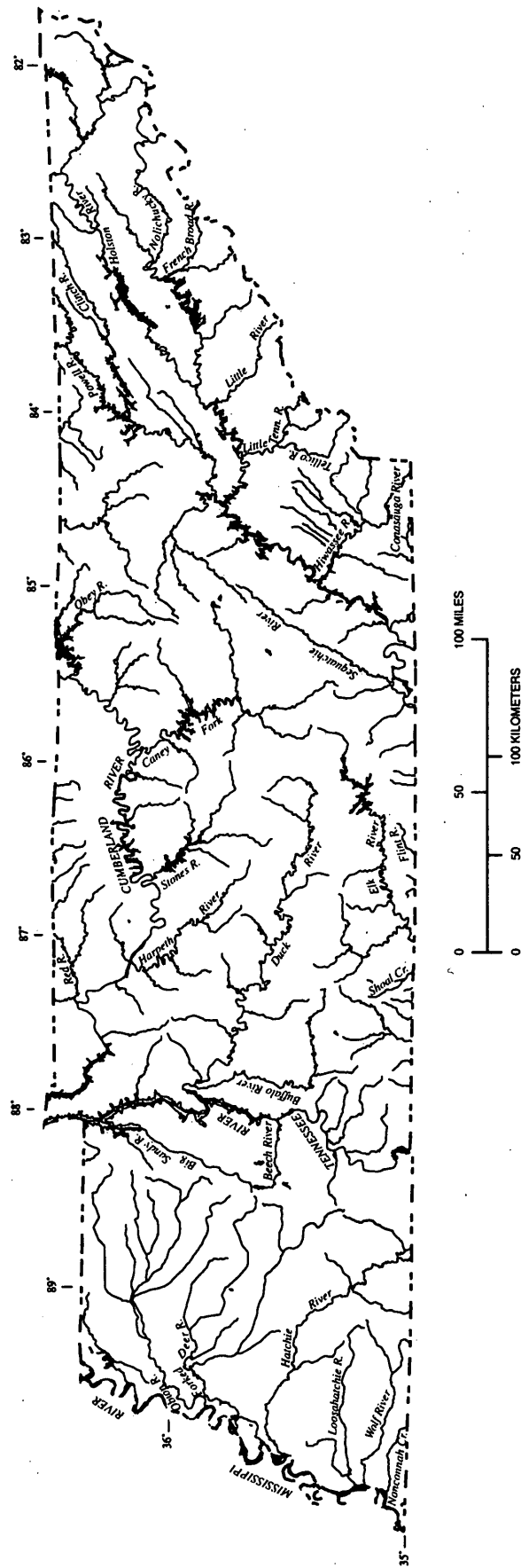
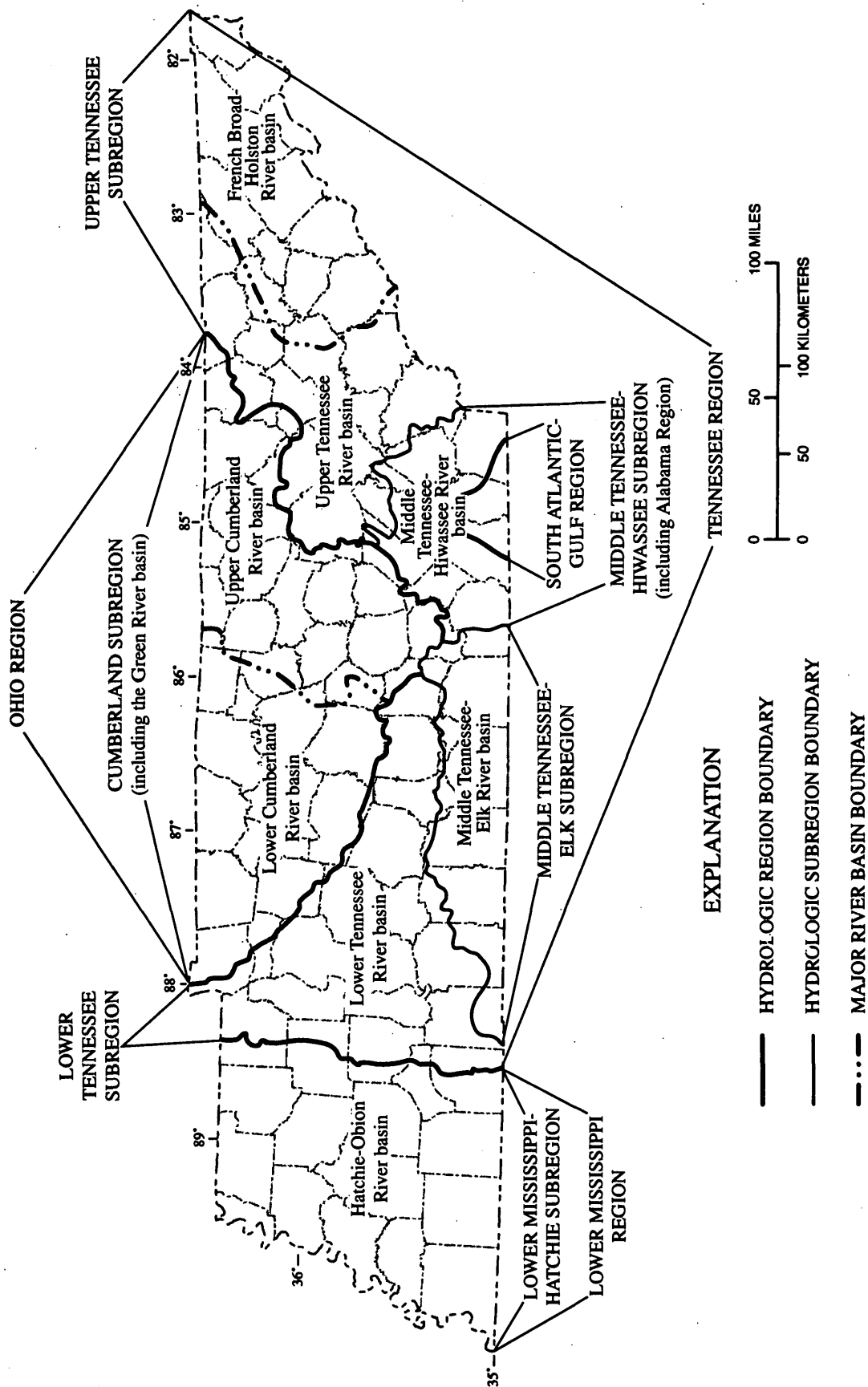


Figure 2. Major rivers and reservoirs in Tennessee.



**Figure 3.** Major hydrologic regions and subregions and major river basins in Tennessee.

**Table 1. Surface-water characteristics of hydrologic subregions and major river basins in Tennessee**

Hydrologic subregion <sup>1</sup>	Major river basin and associated river <sup>2</sup>	Physiographic divisions (Miller, 1974)	Response to drought	Remarks
Lower Mississippi-Hatchie	Hatchie-Obion Obion Hatchie Loosahatchie Wolf Nonconah Forked Deer	Coastal Plain	Sustained flow from ground water in main stem during dry months. Small streams will be dry.	Few available storage sites. High sediment load and poor water quality limits use; pumps must use filters.
Cumberland (including the Green River basin in Tennessee)	Upper Cumberland Obey Caney Lower Cumberland Harpeth Stones Red	Central Basin Highland Rim Cumberland Plateau.	Many small unregulated streams are characterized by no flow or low flow during dry periods. The Cumberland River is regulated.	In the Central Basin, streamflow is highly responsive to rainfall and flows are poorly sustained. Streamflows are fairly well sustained in the Highland Rim. The Sequatchie River streamflows in the Cumberland Plateau are poorly sustained.
Lower Tennessee	Lower Tennessee Duck Buffalo Beech Big Sandy	Highland Rim Central Basin Western Valley	In late summer and early fall, unregulated streams go dry or sustain low flows.	In the Central Basin, streamflow is highly responsive to rainfall and flows are poorly sustained. Streamflows are fairly well sustained in the Highland Rim. Streamflow is adequately sustained for supply in the Western Valley.
Middle Tennessee-Elk	Middle Tennessee-Elk Elk Shoal Flint	Highland Rim Cumberland Plateau. Central Basin	Commonly in late summer, unregulated streams go dry, particularly along the basin rim.	In the Central Basin, streamflow is highly responsive to rainfall and flows are poorly sustained. Streamflows are fairly well sustained in the Highland Rim. In the Cumberland Plateau, streamflows are poorly sustained.
Upper Tennessee	French Broad-Holston French Broad Holston Nolichucky Upper Tennessee Clinch Powell Little Tennessee Little Tellico	Blue Ridge Valley and Ridge. Cumberland Plateau.	Commonly in late summer, unregulated streams go dry. Many small unregulated streams may sustain low flow with ground-water inflow.	In the Blue Ridge, steep terrain and low permeability result in high runoff rates. Many springs are in the area. Surface-water impoundments enhance water supplies in the Valley and Ridge. In the Cumberland Plateau, streamflows are poorly sustained.
Middle Tennessee-Hiwassee (including the Alabama region)	Middle Tennessee-Hiwassee Hiwassee Hiwassee Sequatchie	Blue Ridge Valley and Ridge. Cumberland Plateau.	Commonly in late summer, unregulated streams go dry, particularly along the basin rim. Even streams having watersheds exceeding 100 square miles may cease to flow.	In the Blue Ridge, steep terrain and low permeability result in high runoff rates. Many springs are in the area. Surface-water impoundments enhance water supplies in the Valley and Ridge. In the Cumberland Plateau, streamflows are poorly sustained.
South Atlantic-Gulf	Conasauga	Blue Ridge Valley and Ridge.	Commonly in late summer, unregulated streams go dry, particularly along the basin rim.	In the Blue Ridge, steep terrain and low permeability result in high runoff rates. Many springs are in the area. Surface-water impoundments can enhance water supplies.

<sup>1</sup>Refer to figure 3 for location on map.

<sup>2</sup>Refer to figure 2 for location on map.

**Table 2. Aquifer and well characteristics in Tennessee (modified from Hollyday and Bradley, 1985)**

[ft, foot; gal/min, gallon per minute]

Aquifer name and description <sup>1</sup>	Well characteristics				Remarks
	Depth (ft)		Yield (gal/min)		
	Common range	May exceed	Common range	May exceed	
Alluvial: Sand, gravel, and clay. Unconfined.	10 - 75	100	20 - 50	1,500	High iron concentrations in some areas.
Tertiary sand: Multi-aquifer unit of sand, clay, silt, and some gravel and lignite. Confined; unconfined in the outcrop area.	100 - 1,300	1,500	200 - 1,000	2,000	Includes Memphis Sand of Claiborne Group and Fort Pillow Sand of Wilcox Group. Problems with high iron concentrations in some places.
Cretaceous sand: Multi-aquifer unit of interbedded sand, clay, marl, and gravel. Confined; unconfined in the outcrop area.	100 - 1,500	2,500	50 - 500	1,000	Includes McNairy and Coffee Sands, and Tuscaloosa Formation. Water withdrawn primarily in the outcrop area.
Pennsylvanian sandstone: Multi-aquifer unit, primarily sandstone and conglomerate, interbedded shale and some coal. Unconfined near land surface; confined at depth.	100 - 200	250	5 - 50	200	Permeability is from fractures, faults, and bedding-plane openings. Principal water-bearing units are Rockcastle and Sewanee Conglomerates. High iron concentrations are a problem.
Mississippian carbonate rock: Multi-aquifer unit of limestone, dolomite, and some shale. Unconfined or partly confined near land surface; may be confined at depth.	50 - 200	250	5 - 50	400	Water occurs in solution and bedding-plane openings. Principal water-bearing units are Ste. Genevieve (Monteagle), St. Louis and Warsaw Limestones and Fort Payne Formation. Water generally hard; high iron, sulfide, or sulfate concentrations are a problem in some areas.
Ordovician carbonate rock: Multi-aquifer unit of limestone, dolomite, and shale. Partly confined to unconfined near land surface; confined at depth.	50 - 150	200	5 - 20	300	Principal water-bearing units are Bigby, Carters, Ridley, and Murfreesboro Limestones. Water generally hard; some high sulfide or sulfate concentrations in places.
Knox: Primarily dolomite, some limestone; confined. Does not have the structural complexity of the Cambrian-Ordovician carbonate aquifer.	700 - 1,200	1,400	1 - 10	20	Deep aquifer; occurs under most of central and western Tennessee. Away from Central Basin, water generally has high concentrations of dissolved solids.
Cambrian-Ordovician carbonate rock: Extremely faulted multi-aquifer unit of limestone, dolomite, sandstone, and shale; structurally complex. Unconfined; confined at depth.	100 - 300	400	5 - 200	2,000	Principal water-bearing units are carbonate rocks in Chickamauga Limestone, Knox Group, and Honaker Dolomite. Water is generally hard. Brine is present below 3,000 feet.
Crystalline rock: Multi-aquifer unit of dolomite, granite gneiss, phyllite, and metasedimentary rocks overlain by thick regolith; alluvium and colluvium in some valleys. Generally unconfined.	50 - 150	200	5 - 50	1,000	High yields occur primarily in dolomite or deep colluvium and alluvium. Shady Dolomite is a principal aquifer. Low pH and high iron concentrations may be problems in some areas.

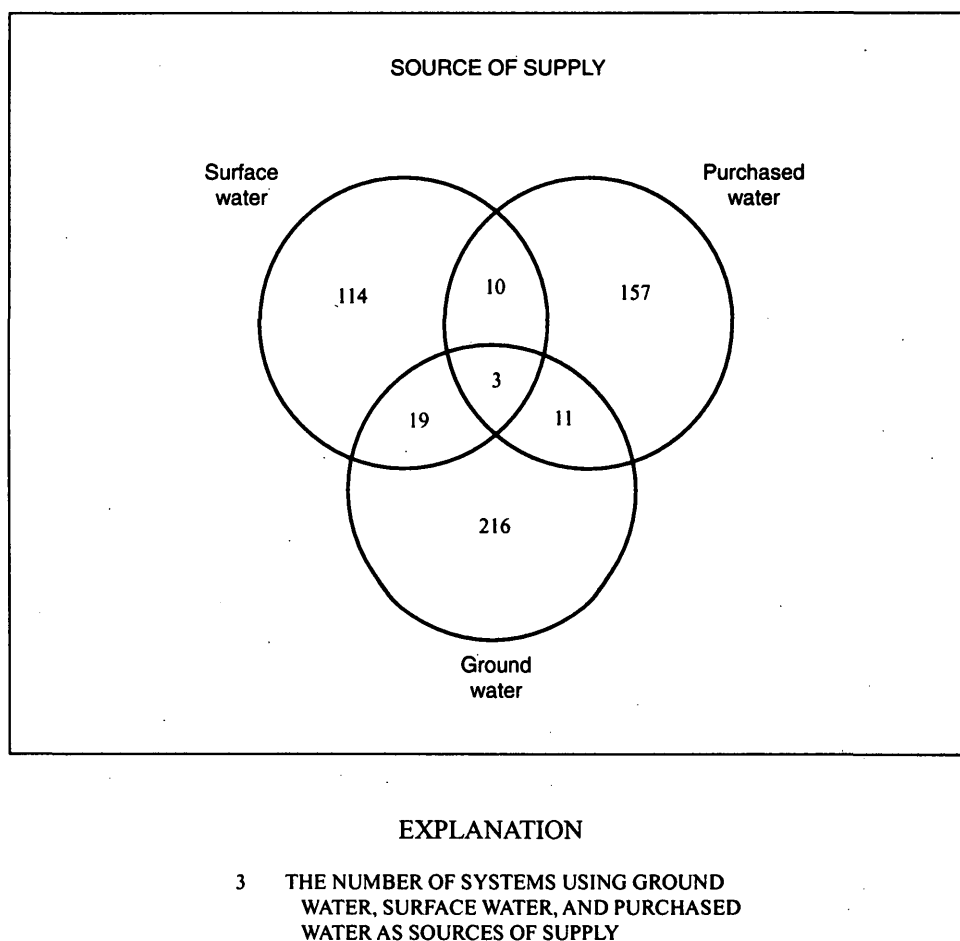
<sup>1</sup>Refer to figure 1 for location map.

source of water, average daily water withdrawal, average daily wholesale transaction, average daily gross water use, population served, gross per capita water use (gross water use divided by population served), and the storage and design capacities of the water system. Individual water-supply systems are listed alphabetically in the Index with the respective PWSID code and page number of the corresponding supplement.

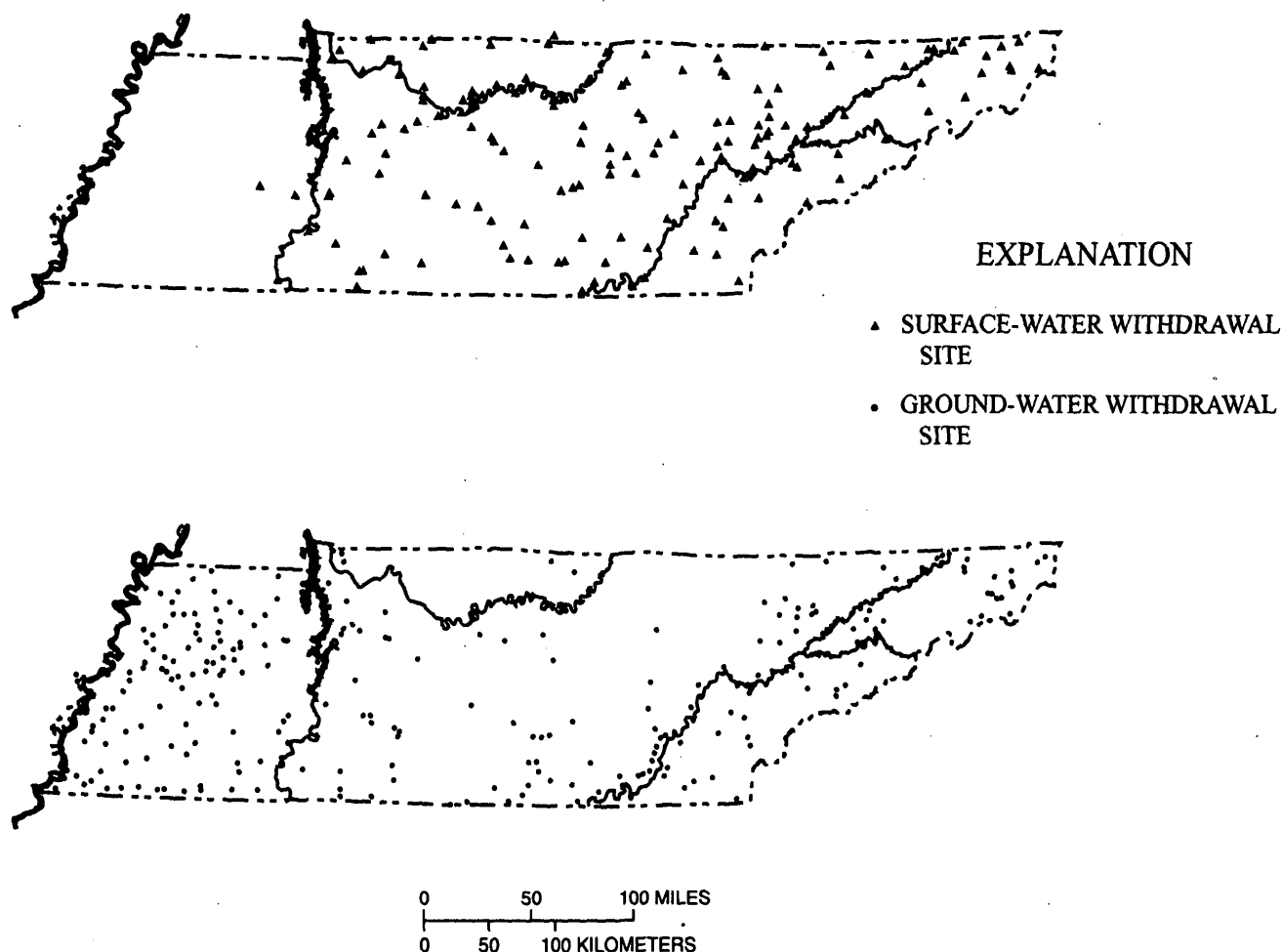
In 1995, more water-supply systems in Tennessee relied on ground water than on surface water as a source of water supply (fig. 4). Of the 530 water-supply systems, 249 systems (47 percent) reported ground water as at least one source of water supply; 216 systems (41 percent) reported ground water as the sole source of water supply. The other 33 ground-water systems (6 percent) withdrew ground water in conjunction with surface water or purchased water from water-supply systems which reported ground water as one of their sources of water supply.

Surface water was reported as the source of supply for 146 of the water-supply systems (27 percent)

and was the sole source of water supply for 114 of the systems. The other 32 water-supply systems (6 percent) withdrew surface water in conjunction with ground water, or purchased water from systems which reported surface water as at least one source of supply. Purchased water provided at least one source of supply for 181 systems (34 percent); 157 of these systems (30 percent) depended solely on purchased water. The other 24 water-supply systems (5 percent) used purchased water in conjunction with surface- or ground-water withdrawals to provide water to their customers. Since 1988, when the last comprehensive inventory of water-supply systems was done (Hutson and Morris, 1992), the number of water-supply systems that rely solely on surface water has increased 15 percent from 99 systems to 114 systems. The number of water-supply systems that rely solely on ground water declined slightly from 218 systems (1988) to 216. The locations of the surface- and ground-water withdrawal sites for public supply are mapped in figure 5.



**Figure 4.** The 530 public water-supply systems in Tennessee by source of supply.



**Figure 5.** The geographic distribution of withdrawal points by public water-supply systems in Tennessee in 1995.

Public water-supply systems in Tennessee served 84 percent of the population, or 4.42 million people, during 1995. The 530 water-supply systems range in size from small systems serving as few as 25 residential customers to large systems serving hundreds of thousands of residential customers. One-half of the 530 water-supply systems served fewer than 2,246 people each. Eleven public water-supply systems serving 50,000 people or more (2 percent of the systems) provided water to 41 percent of the total population served by public supply.

For this report, public water-supply systems in Tennessee were classified following the U.S. Environmental Protection Agency method based on the population served (American Water Works Association, 1992) (table 3). The classification shows that a few very large systems in the State serve most of the State's population (table 3). The four water systems serving more than 100,000 people provided water to

32 percent of the public water-supply customers. Sixty percent of the water systems (systems serving less than 3,300 people) served less than 9 percent of the population served.

## PUBLIC WATER-SUPPLY USE

Total water withdrawals for public water supply increased about 53 percent, from 510 million gallons per day (Mgal/d) in 1980 to 779 Mgal/d in 1995. During the same period, surface-water withdrawals for public supply increased 61 percent, from 310 to 500 Mgal/d, and ground-water withdrawals increased 40 percent, from 200 to 279 Mgal/d. Part of the increase is because the population of the State increased by about 15 percent, from 4.59 to 5.26 million people; the population served by public-water systems increased about 19 percent, from 3.72 to 4.42 million people; and the gross per capita use for

public-supplied water increased from 137 to 176 gallons per day (gal/d) per person. Factors contributing to the increase in demand related to changes in the local commercial and industrial sectors are not documented in this report.

Surface-water withdrawals accounted for 64 percent (500 Mgal/d) of the water withdrawn by public water-supply systems in Tennessee during 1995. These withdrawals occurred in the Ohio (221 Mgal/d) and the Tennessee (279 Mgal/d) hydrologic regions (table 4). The Lower Mississippi region of western Tennessee does not use any surface water for its drinking water. Davidson County, in the Ohio hydrologic region, had the largest surface-water withdrawals, 107 Mgal/d (Supplement B). Withdrawals in Davidson County (where Nashville is located) accounted for 21 percent of public-supply withdrawals from surface water, statewide. Most public-supply systems that withdraw from surface water are larger than most public-supply systems that withdraw from ground water. Fifty percent of the 146 surface-water systems inventoried withdrew at least 1.36 Mgal/d, but only 9 percent of the 249 ground-water systems inventoried withdrew as much water. Surface-water withdrawal sites and major rivers are presented in figure 5.

Ground-water withdrawals accounted for 36 percent of the 779 Mgal/d (279 Mgal/d) withdrawn by public water-supply systems in Tennessee during 1995. One-half of the ground-water withdrawals for public supply equaled or exceeded 0.159 Mgal/d. The Tertiary and Cretaceous sand aquifers of western Tennessee were the sources for 79 percent of the ground-water public-supply withdrawals (221 Mgal/d). The Tertiary sand aquifer alone accounted for 76 percent (211 Mgal/d) of the total (fig. 6). These two aquifer systems are the source of supply for 21 of the 38 public-supply systems statewide that withdraw at least 1.0 Mgal/d of ground water (table 5). Shelby County (where Memphis is located), in the Lower Mississippi hydrologic region, had the largest ground-water withdrawals (163 Mgal/d) (Supplement C). Withdrawals in Shelby County were from the Tertiary sand aquifer and accounted for 58 percent of the public-supply ground-water withdrawals statewide. One ground-water withdrawal occurred in the South Atlantic-Gulf region, but is included in the Tennessee region (Supplement A) for simplicity.

**Table 3.** Public water-supply systems by relative size of system and by population served in Tennessee in 1995

[<, less than; cumulative relative frequency, the number of observations in a class divided by the total number of observations; \*, Memphis Light, Gas and Water includes Shelby County Board of Public Utilities, and Gladeville Utility District #1 includes Gladeville Utility District #2.]

Relative size of system	Population size (In thousands)	Number of systems	Percent of systems	Cumulative relative frequency	Total population served	Percent of population served	Cumulative relative frequency
Very small	0.025 - 0.5	99	19	19	17,160	<1	<1
Small	0.5 - 3.3	219	41	60	363,190	8	9
Medium	3.3 - 10	132	25	85	796,800	18	27
Large	10 - 100	74	14	99	1,823,350	41	68
Very Large	> 100	4	1	100	1,419,050	32	100
Total		528*	100		4,419,550	100	

**Table 4.** Public water-supply withdrawals by source, number of systems, and population served by hydrologic region [Mgal/d, million gallons per day]

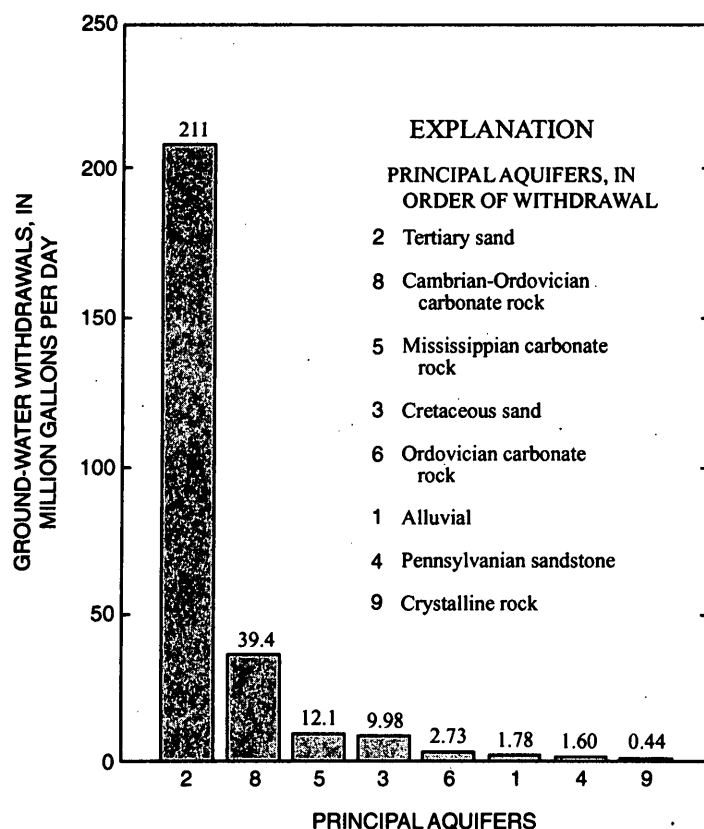
Hydrologic region	Ground water (Mgal/d)	Surface water (Mgal/d)	Total (Mgal/d)	Number of systems	Population served
Ohio	3.52	221	225	118	1,314,920
Tennessee/South Atlantic Gulf	59.3	279	338	303	1,948,070
Lower Mississippi	216	0	216	109	1,156,570
Statewide total	279	500	779	530	4,419,560



**Table 5.** Public water-supply systems withdrawing 1 million gallons per day or more of ground water by hydrologic region in Tennessee in 1995

[Mgal/d, million gallons per day]

Public water-supply system	Withdrawal rate (Mgal/d)	Aquifer
<b>Lower Mississippi Region</b>		
Memphis Light, Gas and Water Division	148	Tertiary Sand
Jackson Utility Division	12.1	Tertiary Sand
Bartlett Water System	4.44	Tertiary Sand
Dyersburg Water Department	4.12	Tertiary Sand
Germantown Water Department	3.96	Tertiary Sand
Union City Water Department	3.45	Tertiary Sand
Collierville Water Department	3.41	Tertiary Sand
Humboldt Water Department	2.28	Tertiary Sand
Selmer Water System	2.13	Cretaceous Sand
Brownsville Water Department	2.05	Tertiary Sand
Naval Support Activity Memphis	1.56	Tertiary Sand
Ripley Water System	1.52	Tertiary Sand
Covington Water Department	1.43	Tertiary Sand
Martin Water Department	1.40	Tertiary Sand
Milan Water Department	1.31	Tertiary Sand
McKenzie Water Department	1.19	Tertiary Sand
Millington Water Department	1.17	Tertiary Sand
Bolivar Water System	1.17	Cretaceous Sand
County Wide Water District	1.13	Tertiary Sand
Henderson Water Department	1.02	Cretaceous Sand
Poplar Grove Utility District	1.00	Tertiary Sand
<b>Tennessee Region</b>		
Hixson Utility District	6.19	Cambrian-Ordovician carbonate rock
Elizabethton Water Department	5.35	Cambrian-Ordovician carbonate rock
Johnson City Water Department	3.93	Crystalline rock
Paris Board of Public Utilities	2.41	Cretaceous sand
Jefferson City Water and Sewer Commission	2.34	Cambrian-Ordovician carbonate rock
Erwin Utilities	2.08	Crystalline rock
Savannah Public Utilities Department	1.60	Alluvial
Ocoee Water System	1.47	Cambrian-Ordovician carbonate rock
Cleveland Utilities	1.47	Cambrian-Ordovician carbonate rock
Lincoln County Board of Public Utilities	1.42	Mississippian carbonate rock
Lawrenceburg Water System	1.32	Mississippian carbonate rock
Hohenwald Water System	1.18	Mississippian carbonate rock
Athens Utility Board	1.12	Cambrian-Ordovician carbonate rock
Mt. Pleasant Water System	1.06	Ordovician carbonate rock
First Utility District of Carter County	1.06	Cambrian-Ordovician carbonate rock
Hallsdale-Powell Utility District	1.06	Cambrian-Ordovician carbonate rock
Leoma Utility District	1.49	Mississippian carbonate rock



**Figure 6.** Ground-water withdrawals by public water-supply systems during 1995 by aquifer.

## SUMMARY

The Tennessee Division of Water Supply and the U.S. Geological Survey collected data for 530 public water-supply systems to determine water use, supply sources, population served, and design and storage capacities of the systems. During 1995, these systems served 84 percent of the population of the State, or 4.42 million people. The gross per capita use statewide for public-supplied water was 176 gallons per day, about 28 percent higher than in 1980 (137 gallons per day). Total water withdrawals for public supply increased about 53 percent from 510 Mgal/d in 1980 to 779 Mgal/d in 1995. During the same period, the population of the State increased about 15 percent. Surface-water withdrawals accounted for 64 percent (500 Mgal/d) of the total water withdrawn for public supply in the State. Most of these withdrawals occurred in the Tennessee (279 Mgal/d) and the Ohio (221 Mgal/d) hydrologic regions. Ground water supplied 279 Mgal/d or 36 percent of the total water withdrawn by public-supply systems statewide. Of that amount, 79 percent or 221 Mgal/d, was used in western Tennessee.

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## GLOSSARY

Definitions of water-use terms used in this report (modified from Alexander and others, 1984) are listed below:

**Design capacity**—The amount of water a system is designed to treat daily. Systems which do not treat water either purchase water from another system that has its own treatment plant or withdraw water from a ground-water source which often requires no treatment other than chlorination.

**Gross per capita water use**—The quantity of water that enters the public-supply distribution system per person per day. The value is calculated by dividing the "gross water use" for a system by the "population served."

**Gross water use**—The quantity of water that enters the public-supply distribution system. The value is calculated as the sum of water withdrawn by a public water-supply system plus water purchased from other public

supplies minus water sold to other public water-supply systems. The water is sold to residential, commercial, and industrial customers or provided free as public-use water, and includes water lost from the distribution system.

**Population served**—Number of people supplied water by the public water-supply system. In this report, the "population served" value was obtained from records provided by the Tennessee Department of Environment and Conservation, Division of Water Supply. The population served was modified if the population served in a county was greater than the Census population of that county for 1995.

**Storage capacity**—Capacity for storage of treated or untreated water by the public water-supply system.

**Purchased water**—Quantity of water purchased or obtained from another public water-supply system.

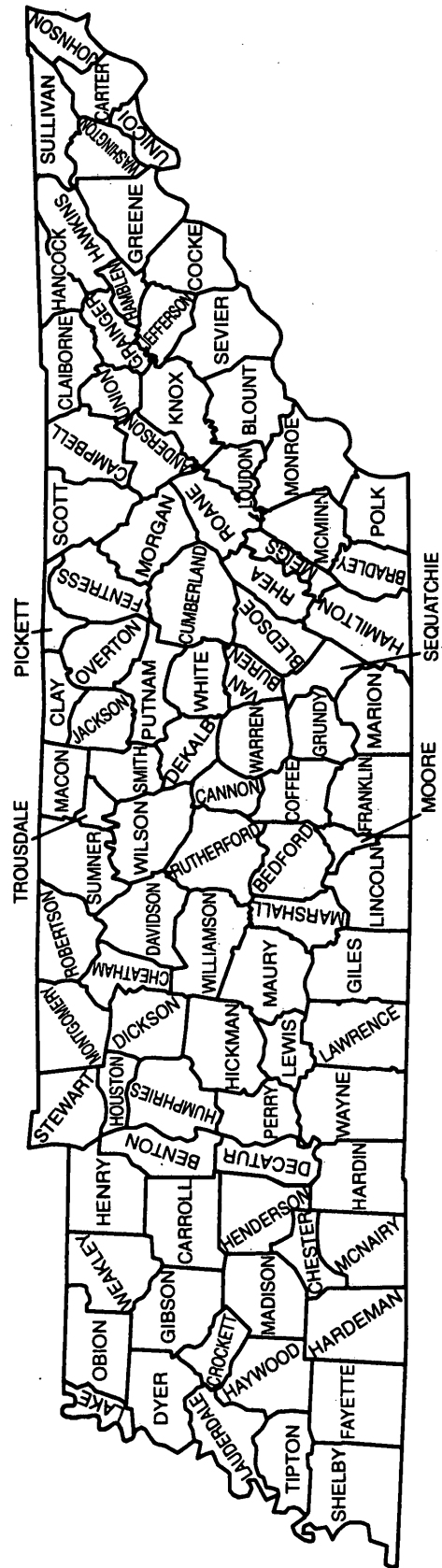
**Wholesale water**—Quantity of water sold or provided to another public water-supply system.



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## Supplemental Information

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**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)**

[PWSID, Public Water System Identification number; Mgal/d, million gallons per day; gal/d, gallons per day; UB, Utility Board; Co., County; UD, Utility District; ---, not applicable; gw, ground water; WD, Water Department; DOE, Department of Energy; DPW, Department of Public Works; WS, Water System; SS, Services System; WC, Water Cooperative; sw, surface water; UC, Utility Commission; BU, Board of Utilities; PWD, Power and Water Department; BPU, Board of Public Utilities; WSC, Water and Sewer Commission; POA, Property Owner's Association; principal aquifer: 1, alluvial; 2, Tertiary sand; 3, Cretaceous sand; 4, Pennsylvanian sandstone rock; 5, Mississippian carbonate rock; 6, Ordovician carbonate rock; 8, Cambrian-Ordovician carbonate rock; 9, crystalline rock]

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With-drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Population served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Tennessee region										
Anderson 120 Clinton Utility Board	Clinch River (66.3) Anderson Co. UB (buyer)		1.62		0.024	1.60	13,283	120	3.32	2.25
383 Lake City Water Department	North Anderson Co. UD (seller)			0.241		.241	2,134	113	.75	---
513 Norris Water Commission	Clear Creek Spring (gw) Anderson Co. UB (buyer)	8	.379		.165	.214	1,803	119	.750	.432
514 North Anderson County Utility District	Anderson Co. UB (seller) Climch River (77.8) Lake City WD (buyer) Caryville-Jacksboro UD (buyer)		.966	.388		1.10	9,472	116	1.72	1.15
522 Oak Ridge Department of Public Works	DOE Johnson Control (seller)			4.28		4.28	28,405	151	3.80	3.97
523 Oliver Springs Water Board	Anderson Co. UB (seller) Bacon Spring	8	.578	.584		1.16	5,098	228	1.00	.864

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Anderson County—Continued										
768 Anderson County Utility Board	Clinch River, Melton Hill Reservoir (52.4)		1.37			0.590	6,052	98	1.03	2.00
	Clinton UB (seller)			0.024						
	Norris Water Commission (seller)			.165						
	N. Anderson Co. UD (buyer)				0.388					
	Oliver Springs Water Board (buyer)				.584					
772 Department of Energy Johnson Control	Clinch River (41.6)		12.1		4.28	7.83	99	79,081	10.2	28.0
	Oak Ridge DPW (buyer)									
Bedford										
044 Bell Buckle Water System	Wartrace WS (seller)			.147		.147	1,158	127	.600	---
517 Bedford County Utility District #1	Duck River (202.4)		.735			.735	8,788	84	.650	.750
628 Shelbyville Water System	Duck River (227.0)		4.15			4.04	17,861	226	6.05	4.50
	Flat Creek Cooperative (buyer)				.110					
629 Flat Creek Cooperative	Shelbyville WS (seller)			.110		.110	1,311	84	.100	---
730 Wartrace Water System	spring	6	.615			.468	1,813	258	1.08	---
	Bell Buckle WS (buyer)				.147					



**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Benton 051 Big Sandy Water Department	well	3	0.145			0.145	829	175	0.150	0.072
055 Kentucky Lake Heights Water System	2 wells	3	.024			.024	443	54	.008	.144
090 Camden Water Department	Tennessee River (100.4)		1.28			1.28	8,241	156	1.60	1.56
Bledsoe 551 Pikeville Water System	4 wells	8	.335			.335	2,872	117	1.65	1.90
553 Taft Youth Center	Bee Creek Falls Creek Falls UD (buyer)		.484		0.275	.209	1,000	209	1.46	.605
Blount 007 Alcoa Water System	Little River (9.7) Tuckaleechee UD (buyer) South Blount UD (buyer)		7.89		.511 1.36	6.02	21,975	274	11.7	24.3
249 Friendsville Utility District	South Blount UD (seller)			0.220		.220	2,171	101	.250	---
438 Maryville Utilities Board	Little River (about 17.3) South Blount UD (buyer) Tuckaleechee UD (buyer)		3.79		.017 .076	3.70	29,775	124	4.25	6.05
643 South Blount Utility District	Alcoa WS (seller) Maryville UB (seller) Tellico Area SS (seller) Friendsville UD (buyer)			1.36 .017 .492		1.65	20,225	82	1.85	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Blount County—Continued										
714 Tuckaleechee Utility District	Alcoa WS (seller) Knox-Chapman UD (seller) Maryville UB (seller)			0.511 .078 .076		0.665	5,279	126	1.23	---
728 Walland Water System	well	8	0.005			.005	72	69	.012	0.086
805 Bays Mountain Mobile Home Park	spring	8	.006			.006	87	69	.007	.010
911 Sequoyah Heights Subdivision	wells	8	.006			.006	88	68	---	---
Bradley 117 Cleveland Utilities	Hiwassee River (about 22.0) Waterville Spring (South-Atlantic Gulf Region)	8	5.93 1.47			7.40	57,689	128	11.5	8.00
525 Ocoee Utility District	springs	8	1.47			1.47	3,783	388	1.60	2.02
831 Hiwassee Utility Commission	Hiwassee River (about 22.5) Calhoun-Charleston UD (buyer) Riceville UD (buyer)		3.60		0.124 .115	3.36	99	33,919	1.75	7.62
Campbell 322 Caryville-Jacksboro Utility Commission	Cove Lake Cave Spring North Anderson Co. UD (seller)	4	.202 .714			.932	7,035	132	1.22	.677

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Campbell County—Continued 374 La Follette Water Department	Ollis Creek (0.8) (impoundment)		2.07			2.07	18,510	112	3.87	4.00
Carroll 081 Bruceton Water System	well	3	.463			.463	1,750	265	.500	.756
115 Clarksburg Utility District	2 wells	3	.130			.130	1,125	116	.405	.216
310 Hollow Rock Water Department	2 wells	3	.189			.189	875	216	.050	.540
Carter 060 Blue Springs Utility District	First UD of Carter Co. (seller)			0.119		.119	1,061	112	.100	---
094 First Utility District of Carter County	Campbell Spring Blue Springs UD (buyer)	8	1.06		0.119	.941	4,632	203	2.22	2.65
221 Elizabethton Water Department	springs N. Elizabethton WC (buyer) Siam UD (buyer)	8	5.35		.107 .234	5.01	24,402	205	7.85	6.85
223 North Elizabethton Water Cooperative	Elizabethton WD (seller)			.107		.107	996	107	.100	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Carter County—Continued 282 Hampton Utility District	spring S. Elizabethton UD (buyer)	8	0.798		0.373	0.425	2,719	156	0.631	1.08
584 Roan Mountain Utility District	wells	9	.108			.108	797	136	.309	.094
633 Siam Utility District	Elizabethton WD (seller)			0.234		.234	2,139	109	.100	---
646 South Elizabethton Utility District	Hampton UD (seller)			.373		.373	4,451	84	.450	---
802 Peters Hollow Water System	Peters Branch (1.5)		0.01			0.01	142	70	.004	.003
Claiborne 022 Arthur-Shawnee Utility District	Davis Creek (impoundment) Powell River (65.0)		.767			.767	5,321	144	.850	1.72
113 Claiborne County Utility District	Ball Creek Spring (sw) (impoundment)		.778			.778	9,646	81	2.18	1.73
161 Cumberland Gap Water Services	Lincoln Memorial University (seller)			.078		.078	251	311	---	---
290 Lincoln Memorial University	spring Cumberland Gap WS (buyer)	4	.195		.078	.117	1,870	63	.500	.400

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Claiborne County—Continued										
890 Pump Springs Mobile Home Park wells		8	0.007			0.007	100	70	0.001	---
920 Indian Creek Trailer Park	well	8	.003			.003	38	79	---	---
955 Mockingbird Hill Estates	well	8	.003			.003	40	75	---	---
Cocke										
500 Newport Utilities Board	French Broad River (87.1) Webb Creek UD (buyer)		3.99		0.079	3.92	17,410	225	5.15	5.80
Coffee										
429 Manchester Water Department	Duck River UC (seller) Hillsville UD (buyer)			1.55		1.10	10,717	102	2.88	---
430 Hillsville Utility District	Manchester WD (seller)			.452	.452	.452	4,819	94	.400	---
715 Tullahoma Board of Utilities	Duck River UC (seller)			2.64		2.64	20,172	131	4.15	---
821 Duck River Utility Commission	Duck River, Normandy Reservoir (about 255.0) Manchester WD (buyer) Tullahoma BU (buyer)		4.78			.583	1,000	583	.000	7.50
										1.55 2.64

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Coffee County—Continued										
879 Shady Grove Mobile Home Park	well	5	0.004			0.004	54	74	---	---
947 Fire Lake Subdivision	well	5	.006			.006	87	69	---	---
Cumberland										
147 Crab Orchard Utility District	Otter Creek impoundment		.885			.885	10,710	83	1.75	2.02
150 Crossville Water Department										
	Obed River (40.2), Holiday Hills Lake		1.91			4.13*	13,882	298	4.28	5.04
	Catoosa UD (buyer)				0.398					
	Lantana UD (buyer)				.346					
	Grandview UD (buyer)				.061					
	Pleasant Hill UD (buyer)				.104					
158 Catoosa Utility District										
	Crossville WD (seller)		0.398			.398	5,531	72	.500	---
159 Lantana Utility District										
	Crossville WD (seller)			.346		.346	5,556	62	1.02	---
848 Cumberland Mountain Retreat										
	well	6	.006			.006	87	69	---	---
Decatur										
186 Decaturville Water System	well	6	.175			.175	1,923	91	.500	.288

\* See Supplement B

Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Decatur County—Continued										
541 Parsons Water Department	Beech River (10.0) Perryville UD (buyer) N. Decatur UD (buyer)		1.05		0.129 .125	0.792	3,582	221	1.00	1.44
543 Perryville Utility District	Parsons WD (seller)			0.129		.129	1,348	96	.050	---
679 Woodlawn Shores	well	3	.011			.011	123	89	.012	.029
883 North Decatur County Utility District	Parsons WD (seller)			.125		.125	700	179	.200	---
Dickson										
191 Dickson Water Department	City Lake (spring fed) West Piney River Turnbull UD (seller) wells Sylvia-Tenn City- Pond UD (buyer) West Piney UD (buyer)	5	1.38 .040	.248	.218 .101	1.35	9,603	140	2.45	2.07
691 Sylvia-Tenn City-Pond Utility District	Dickson WD (seller)			.218		.218	2,695	81	.100	---
739 West Piney Utility District	Dickson WD (seller)			.101		.101	800	126	---	---
Franklin										
046 Belvidere Rural Utility District	well	5	.149			.149	1,093	136	.182	.806

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Franklin County—Continued										
101 Center Grove-Winchester Springs Utility District #1	Cleek Spring	5	0.386			0.386	4,538	85	0.500	1.30
146 Cowan Board of Public Utilities	spring	5	.182			.182	2,112	86	.250	.518
187 Decherd Water Department	2 wells	5	.345			.345	3,355	103	.400	1.01
232 Estill Springs Water Department	Estill Spring Arnold Village (buyer)	5	.470		0.032	.438	3,345	131	.575	.885
317 Huntland Water System	well	5	.122			.122	1,426	86	.400	.475
623 Sevanee Utility District	Lake O'Donnel		.342			.342	4,134	83	.640	.783
754 Winchester Water System	Elk River, Tims Ford Reservoir (154.0)		1.74			1.74	14,279	122	1.55	3.02
830 Arnold Village	Estill Springs WD (seller)			0.032		.032	116	276	---	---
Giles 018 Ardmore Water System	well (Tennessee) wells (Alabama)	5	.141			.141	1,164	121	.375	.331
419 Lynnville Water Department	Fairview UD (seller)			.065		.065	588	110	.075	---



**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Giles County—Continued 469 Minor Hill Utility Corporation	Pulaski WS (seller)			0.377		0.377	3,501	108	0.400	---
562 Pulaski Water System	Richland Creek (24.1) Minor Hill UD (buyer) Fairview UD (buyer) Tarpley Shop UD (buyer)		3.46		0.377 .297 .166	2.62	9,350	280	4.10	3.60
563 Fairview Utility District	Pulaski WS (seller) Lynnville WD (buyer)			.297	.065	.232	2,129	109	.001	---
566 Tarpley Shop Utility District	Pulaski WS (seller) South Giles UD (buyer)			.166	.001	.165	1,971	84	.100	---
649 South Giles Utility District	Richland Creek (2.2) Tarpley Shop UD (seller) Limestone Co. Water Authority, Alabama (seller)		.005	.001 .219		.225	2,526	89	.300	.288
Grainger 041 Bean Station Utility District	Morristown WD (seller)			.501		.501	3,799	132	1.00	---
600 Rutledge Water System	Morristown WD (seller)			.156		.156	1,188	131	.300	---
846 Lakeshore Heights Subdivision	well	8	.008			.008	118	68	---	.064
913 Gilmore Water System	wells	8	.009			.009	127	71	---	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Grainger County—Continued										
943 Hoppers Bluff Subdivision	wells	8	0.007			0.007	106	66	---	---
Greene 108 Chuckey Utility District	Greeneville PWD (seller)			0.765		.765	5,661	135	0.475	---
149 Cross Anchor Utility District	Greeneville PWD (seller)			.495		.495	4,557	109	.100	0.700
266 Glen Hills Utility District	Greeneville PWD (seller)			1.00		1.00	7,728	129	---	1.00
273 Greeneville Power and Water Department	Nolichucky River (57.2) Chuckey UD (buyer) Cross Anchor UD (buyer) Glen Hills UD (buyer) Mosheim UD (buyer) Old Knox Highway UD (buyer)		7.59		0.765 .495 1.00 .185 .516	4.63	23,363	198	5.70	10.0
274 North Greene Utility District	Lick Creek (49.7)		.412			.412	2,999	137	.700	.660
478 Mosheim Utility District	Greeneville PWD (seller) Old Knoxville Highway UD (buyer)			.185		.17	1,449	117	.500	---
530 Old Knoxville Highway Utility District	Greeneville PWD (seller) Mosheim UD (seller)			.516 .015		.531	4,488	118	.350	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Grundy 470 Monteagle Public Utility Board	Laurel Creek Lake		0.330			0.330	2,217	149	0.500	1.04
706 Tracy City Water System	spring	4	.287			.287	3,157	91	1.05	.720
Hamblen 014 Alpha-Talbott Utility District	Morristown WD (seller)			1.22		1.22	11,178	109	1.25	---
474 Morristown Water Department	Holston River, Cherokee Lake (75.3) Havley Spring wells	8	7.20			7.20	24,628	116	7.79	15.0
	Alpha-Talbott UD (buyer)				1.22	1.22				
	Bean Station UD (buyer)				.501	.501				
	Russellville Whitesburg UD (buyer)				.900	.900				
	South Morristown-Witt UD (buyer)				2.01	2.01				
	Rutledge WS (buyer)				.156	.156				
476 Rine's Mobile Home Park	well	8	.006			.006	87	69	---	---
598 Russellville Whitesburg Utility District	Morristown WD (seller)			.900		.900	10,163	89	.861	---
650 South Morristown-Witt Utility District	Morristown WD (seller)			2.01		2.01	2,097	958	.235	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Hamilton 037 Union Fork-Bakewell Utility District	3 wells	8	0.231			0.231	2,588	89	0.300	0.605
107 Tennessee-American Water Company	Tennessee River (465.0) Signal Mountain WS (buyer)		35.6		0.871	34.7	166,742	208	19.43	72.0
168 Mowbray Mountain Utility District	Soddy-Daisy UD (seller)			0.172		.172	1,600	108	.500	.461
169 Soddy-Daisy-Falling Water Utility District	Soddy Creek embayment (4.0) Mowbray Mountain UD (buyer)		1.55		.172	1.38	8,573	160	1.90	2.07
219 Eastside Utility District	Volunteer Army Ammunition Plant, Tennessee River		5.18			5.18	30,175	172	5.03	7.00
303 Hixson Utility District	Cave Springs	8	6.19			6.19	47,530	130	6.02	9.22
605 Sale Creek Utility District	2 wells	8	.208			.208	1,206	172	.400	.368
613 Savannah Valley Utility District	well	8	.903			.903	10,075	90	3.40	1.66
634 Signal Mountain Water System	Tennessee American Water Company (seller)			.871		.871	7,095	123	2.50	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Hamilton County—Continued 635 Walden Ridge Utility District	2 wells	8	0.724			0.724	5,458	133	1.20	1.44
906 Grindstone Estates Mobile Home Park	well	8	.047			.047	775	61	.006	.058
Hancock 640 Sneedville Utility District	Brier Creek (1.1) Fall Branch Spring	8	.061 .127			.188	1,882	100	.475	.623
Hardeman 452 Rogers Springs Home Owners Association	well	2	.014			.014	96	146	.063	.036
Hardin 546 First Utility District of Hardin County	Tennessee River at Pickwick Dam, (about 207.0)		.547			.547	4,134	132	.900	1.01
606 Saltillo Utility District	well	3	.091			.091	1,521	60	.200	.216
611 Savannah Public Utilities Department	6 wells Aqua Utilities Company, Inc. (buyer)	1	1.60		0.007	1.60	14,707	109	1.58	3.39
923 Harbert Hills Academy	wells	1	.006			.006	89	67	.001	—

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Hardin County—Continued 948 Aqua Utilities Company, Inc.	Savannah Public Utilities Department (seller)			0.007		0.007	97	72	---	---
Hawkins 092 Camelot Utility District	well	8	0.022			.022	60	367	0.255	0.360
109 First Utility District of Hawkins County #1	Alexander Creek (0.7) Hord Creek (1.5)		.903			.903	7,007	129	.800	2.01
384 Lakemont Utility District	well	8	.008			.008	114	70	.012	.036
472 Mooresburg Utility District	spring	8	.344			.344	643	535	.250	.046
593 Rogersville Water System	Big Creek (1.2) Persia UD (buyer) Lakeview UD (buyer) Striggersville UD (buyer) Mid-Hawkins Co. UD (buyer)		1.43		0.205 .142 .075 .047	.962	6,578	146	1.25	1.92
594 Persia Utility District	Rogersville WS (seller)			.205		.205	2,497	82	.336	---
596 Lakeview Utility District	Rogersville WS (seller)			.142		.142	1,576	90	---	---
673 Striggersville Utility District	Rogersville WS (seller)			.075		.075	730	103	---	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Hawkins County—Continued										
682 Surgoinsville Utility District	Jennings Spring First UD of Hawkins Co. #2 (seller)	8	0.182	0.043		0.225	1,620	139	0.350	0.288
761 New Canton Utility District	First UD of Hawkins Co. #2 (seller)			.038		.038	286	133	---	---
855 First Utility District of Hawkins County #2	Lee Spring Hamilton Spring Surgoinsville UD (buyer) New Canton UD (buyer)	8	.645		0.043 .038	.564	6,578	86	.450	.792
939 Mid Hawkins County Utility District	Rogersville WS (seller)			.047		.047	155	303	---	---
Henderson										
402 Lexington Water System	Beech River, Beech Reservoir (35.5)		2.49			2.49	16,713	149	2.47	4.15
609 Sardis Water System	wells	3	.049			.049	851	58	.050	.134
614 Scotts Hill Water System	2 wells	3	.247			.247	3,122	79	.350	.360
Henry										
536 Paris Board of Public Utilities	4 wells South Paris WC (buyer) NW Henry Co. UD (buyer)	3	2.41		.151 .102	2.16	11,725	184	2.30	6.05

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Henry County—Continued										
537 South Paris Water Cooperative	Paris BPU (seller)			0.151		0.151	1,452	104	---	---
539 Antioch Water Company	well	3	0.026			.026	182	143	0.002	0.144
540 Northeast Henry County Utility District	wells	3	.254			.254	2,761	92	.600	.432
568 Puryear Water System	2 wells	2	.078			.078	871	90	.216	.216
838 Northwest Henry County Utility District	Paris BPU (seller)			.102		.102	838	122	.150	---
933 Country Junction	well	3	.004			.004	60	67	.006	---
Hickman 066 Bon Aqua-Lyles Utility District	MacFarland Spring	5	.452			.452	5,804	78	.800	.648
103 Centerville Water System	Big Swan Creek (1.1)		1.15			1.15	6,406	180	1.47	1.15
533 Turney Center	Duck River (40.0)		.224			.224	1,000	224	1.00	.864
Houston 698 Tennessee Ridge Water System	2 wells Erin WD (seller)*	5	.112			.123	1,712	72	.600	.187
				.011*						

\* See Supplement B



**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Humphreys 420 McEwen Water Department	well	5	0.236			0.236	2,009	118	0.425	0.504
497 New Johnsonville Water Department	Tennessee River, Kentucky Lake (100.5)		.640			.640	1,851	346	.800	1.15
733 Waverly Water Plant	2 wells Duck River (8.3)	5	.840 .549			1.39	5,877	236	1.15	1.50
921 Seven Hawks Wilderness Program	well	5	.007			.007	95	74	---	---
938 Seven Hawks Program for Women	well	5	.002			.002	25	80	---	---
958 Wildwood Estates	well	5	.002			.002	25	80	---	---
Jefferson 170 Dandridge Water Department	spring well Mountain View WS (buyer)	8	.290		0.010	.280	2,932	96	1.32	.678
328 Jefferson City Water and Sewer Commission	Jamigan Mine Mossy Creek Spring New Market UD (buyer) Shady Grove UD (buyer)	8	2.34			1.20	6,375	188	3.14	2.53
329 Baneberry Utility District	well #1 well #2	8	.035			.035	387	90	.100	.144

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Jefferson County—Continued 385 Mountain View Water System	Dandridge WD (seller)		0.010			0.010	153	65	---	0.040
499 New Market Utility District	Jefferson City WSC (seller)		.286			.286	3,228	89	0.448	---
626 Shady Grove Utility District	Jefferson City WSC (seller)		.852			.852	7,426	115	.200	---
746 White Pine Water System	wells	8	0.304			.304	1,938	157	.700	.576
789 Wilmore Estates Water System	well	8	.008			.008	122	66	.010	.096
Johnson 085 Carderview Utility District	Unnamed tributary well	8	.014 .040			.054	453	119	.102	---
479 Mountain City Water Department	Rambo Spring Silver Lake Spring (gw) Silver Lake Creek (sw) Dry Run UD (buyer)	8	.450 1.45		0.107	1.79	6,552	274	2.58	1.21
480 Brownlow Utility District	Vaughts Creek (3.4)		.016			.016	393	41	.052	---
485 Cold Springs Utility District	Leco Spring	8	.098			.098	396	248	.200	.778
919 Dry Run Utility District	Mountain City WD (seller)		.107			.107	393	272	.010	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Knox 280 Hallsdale-Powell Utility District	Beaver Creek (32.0) Bull Run Creek, Melton Hill Reservoir (3.8) Granny Bright Spring Fowler Springs	8	4.65			5.71	45,012	127	5.89	6.36
366 Knoxville Utilities Board #1	Tennessee River (649.2)		35.0			35.0	148,694	235	23.4	50.0
367 Knox-Chapman Utility District	French Broad River (3.4) Tuckaleechee UD (buyer)		2.81		0.078	2.73	19,616	139	3.30	3.68
369 First Utility District of Knox County	Sinking Creek embayment, Ft. Loudon Reservoir, Tennessee River (617.2)		7.35			7.35	51,304	143	12.2	14.0
371 West Knox Utility District	Clinch River, Melton Hill Reservoir (36.5 and 46.5)		4.97			4.97	36,300	137	7.25	8.76
515 Northeast Knox Utility District	Holston River (9.6)		1.36			1.36	12,044	112	3.46	4.61
892 Knoxville Utility Board #3	French Broad River		1.02			1.02	3,247	316	1.25	2.02
Lawrence 239 Fall River Road Utility District	Lawrenceburg WS (seller)			0.135		.135	1,696	80	.075	—

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Lawrence County—Continued										
320 Iron City Utility District	Holly Creek City Spring	5	0.033 .005			0.038	555	68	0.150	0.086
389 Northeast Lawrence Utility District	Lawrenceburg WS (seller)			.083		0.083	852	97	---	---
391 New Prospect Utility District	Lawrenceburg WS (seller)			.215		.215	1,417	152	.100	---
392 Lawrenceburg Water System	Shoal Creek (55.9) City Spring Fall River Road UD (buyer) NE Lawrence UD (buyer) New Prospect UD (buyer) Ethridge UD (buyer)	5	2.29 1.32		0.135 .083 .215 .103	3.07	15,720	196	5.28	6.88
399 Leoma Utility District	District Spring	5	1.49			1.49	1,297	115	.100	.144
408 Loretto Water Department	Stillhouse Spring	5	.273			.273	2,578	106	.473	.369
604 St. Joseph Water System	spring	5	.161			.161	1,192	135	.300	.504
676 Summertown Water System	2 wells	5	.131			.131	1,415	93	.150	.180
677 Ethridge Utility District	Lawrenceburg WS (seller)			.103		.103	1,420	72	.100	---
740 Westpoint Utility District	Factory Creek (4.2)		.029			.029	290	100	.050	.072

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Lewis 304 Hohenwald Water System	Downey Spring wells	5	1.18			1.18	6,907	172	1.30	1.51
678 The Farm Water System	Laundry well	5	.025			.025	186	134	.005	---
Lincoln 242 Fayetteville Water System	Elk River (93.9) Teal Hollow Spring Petersburg WS (buyer) Lincoln Co. BPU #1 (buyer) Lincoln Co. BPU #2 (buyer)	5	2.30 .592		0.057 .187 .192	2.46	9,877	249	3.10	5.21
544 Petersburg Water System	Fayetteville WS (seller)			0.057		.057	773	74	.250	---
764 Lincoln County Board of Public Utilities #1	wells (Elora) wells (Taft) Fayetteville WS (seller)	5	1.42		.187	1.60	12,364	130	1.30	1.12
884 Lincoln County Board of Public Utilities #2	Fayetteville WS (seller)			.192		.192	1,246	154	---	---
Loudon 396 Lenoir City Utility Board	Tennessee River (601.3)		.871			.871	7,424	117	1.88	3.01

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Loudon County—Continued 397 Dixie Lee Utility District	Allen Fine Spring Lenoir City UB First UD Knox County Martel UD (buyer)	8	0.702			0.520	7,645	68	1.55	0.648
					0.182					
409 Loudon Utilities Board	Roberson Spring Tennessee River (593.0)	8	.619 6.06			6.68	6,678	983	5.65	8.20
410 Piney Utility District	spring	8	.287			.287	2,468	116	.500	8.64
434 Martel Utility District	Dixie Lee UD (seller)			0.182		.182	2,451	74	.100	---
871 Tellico Village Property Owner's Association	Tellico Area SS (seller)			.232		.232	2,647	88	---	---
McMinn 024 Athens Utilities Board	Ingleside Spring Oostanaula Creek (35.2) New Spring Niota WS (buyer)	8	1.12 1.12			2.04	14,708	139	4.00	4.15
					.199					
106 Calhoun-Charleston Utility District	Hiwassee UC (seller)			.124		.124	1,437	86	.200	---
224 Englewood Water Department	Middle Creek		.308			.308	2,767	111	.695	.576
233 Etowah Utilities District	Hiwassee River (42.6) Hiwassee Water Cooperative (buyer)		1.97			1.88	8,509	221	3.10	2.76
					.093					

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
<b>McMinn County—Continued</b>										
510 Niota Water System	Athens UD (seller)			0.199		0.199	1,785	112	0.300	---
576 Riceville Utility District	Hiwassee UC (seller)			.115		.115	1,599	72	.060	---
<b>McNairy</b>										
002 Adamsville Water System	well	3	0.591			.591	4,303	137	.675	0.720
454 Michie Water Department	wells	3	.251			.251	1,402	179	.200	.403
<b>Marion</b>										
278 Griffith Creek Utility District	Big Creek UD* (seller)			.095*		.095	1,041	91	.100	.180
325 Jasper Water Department	Blue Spring	8	.759			.759	7,743	98	2.50	1.69
535 Orme Water System	springs	8	.025			.025	91	275	---	---
616 Sequatchie Water Works	Blowing Cave Spring	8	.092			.092	547	168	.012	.432
651 South Pittsburg Water System	Tennessee River (about 417.0)		.984			.984	5,650	174	2.20	1.87
749 Whitwell Water Department	Sequatchie River (22.0) West Valley Water Association (buyer)		.609		0.152	.457	3,474	132	.510	1.20
750 West Valley Water Association	Whitwell WD (seller)			.152		.152	1,914	79	.100	---

\* See Supplement B

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Marion County—Continued										
909 Suck Creek Utility District	well	5	0.031			0.031	360	86	0.100	0.108
924 River Landing Development	wells	5	.004			.004	56	71	---	---
Marshall										
104 Chapel Hill Water System	Town Well	6	.137			.137	1,079	127	.100	---
105 Marshall County Board of Public Utilities #1	Lewisburg WS (seller)			0.309		.309	2,958	104	.417	---
139 Cornersville Water Department	Lewisburg WS (seller) Marshall Co. BPU #3 (buyer)			.113	0.001	.112	1,043	107	.200	---
400 Lewisburg Water System	Duck River (181.0) Marshall Co. BPU #1 (buyer) Cornersville WD (buyer) Marshall Co. BPU #2 (buyer) Marshall Co. BPU #3 (buyer)		2.41		.309	1.90	12,174	156	5.30	4.00
857 Marshall County Board of Public Utilities #2	Lewisburg WS (seller)			.039		.039	334	117	---	---
858 Marshall County Board of Public Utilities #3	Lewisburg WS (seller) Cornersville WD (seller)			.047 .001		.048	427	112	---	---



**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Maury 128 Columbia Water Department	Duck River (133.7) Spring Hill WD (buyer) Maury Co. WS (buyer)		10.2		0.761 .776	8.67	40,256	215	13.7	15.2
488 Mount Pleasant Water System #1	springs	6	1.06			1.06	5,885	181	1.15	1.15
667 Spring Hill Water Department	Columbia WD (seller) HB & TS UD (buyer)			0.761	.374	.387	2,441	158	1.00	---
770 Maury County Water System	Columbia WD (seller)			.776		.776	8,724	89	1.40	---
937 Natchez Trace Wilderness Program	well	6	.003			.003	52	58	.003	---
Meigs 183 Decatur Water Department	Eaves Spring	8	.575			.575	2,640	218	.600	.288
Monroe 425 Madisonville Water Department	Tellico Area SS (seller)			.684		.684	7,151	96	1.50	2.02
426 Hiwassee College	Hiwassee Spring	8	.044			.044	555	79	.140	.165
687 Sweetwater Utility Board	Sweetwater Creek (21.6) Cannon Spring		.701			1.17	7,969	147	2.20	3.32
		8	.468							

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Monroe County—Continued 693 Tellico Plains Water Department	wells	8	0.438			0.438	3,932	111	0.700	0.864
726 Tellico Area Services System	Little Tennessee River, Tellico Reservoir (about 19.2) Madisonville UD (buyer) South Blount UD (buyer) Tellico Village POA (buyer)		2.15		0.684 .492 .232	.739	2,330	317	4.80	3.46
936 Laurel Mountain Lakes Water Association	wells	8	.004			.004	53	76	.006	---
Moore 416 Lynchburg Water Department	East Fork Mulberry Creek (14.4) Tennessee River, Tims Ford Reservoir (414.0)		.350			.350	1,306	268	.200	.288
Morgan 520 Brushy Mountain Prison	impoundment (surface runoff and runoff from a mine)		.158			.158	500	316	.700	1.04
681 Sunbright Utility District	Cumberland UD of Roane County (seller)			0.113		.113	2822	40	.700	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Morgan County—Continued										
729 Plateau Utility District	Crooked Fork Creek (6.3)		0.584			0.584	4,416	132	1.10	2.02
755 Wolfe Branch Utility District	Harriman UB (seller)			0.496		.496	2,110	235	.211	---
Perry										
404 Linden Water Department	Buffalo River (43.0)		.342			.342	3,174	108	.700	.972
406 Lobelville Water Department	Buffalo River (29.6)		.176			.176	1,285	137	.300	.300
951 Deer Valley Wilderness Program	well	6	.006			.006	80	75	---	---
Polk										
048 Benton Water System	springs	8	.216			.216	2,218	97	.600	1.44
049 Hiwassee Water Cooperative	Etowah UD (seller)			.093		.093	732	127	---	---
136 Copperhill Water Department	springs	8	.127			.127	638	199	.460	.727
138 Cherokee Hills Utility District	4 springs	8	.038			.038	311	122	.080	.137
844 Copper Basin Utility District	Campbell Cove Lake		.160			.160	1,519	105	1.10	.749

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Rhea										
174 Dayton Water Department	Tennessee River (503.9) Evansville UD (buyer) Summer City UD (buyer)		1.90		0.242 .133	1.52	9,959	153	3.50	4.03
178 Laurelbrook Sanitarium- School	well	4	.045			.045	165	273	.055	.086
180 Oak Shadows Mobile Home Park	well	8	.006			.006	82	73	---	.014
235 Evansville Utility District	Dayton WD (seller)			0.242		.242	1,953	124	.075	---
269 Graysville Water Department	wells	4	.204			.204	1,414	144	.330	.518
656 Spring City Water System	Piney River, Watts Bar Reservoir (568.4)		.386			.386	2,565	150	.950	1.58
657 Newport Resort Water System	well	8	.009			.009	108	83	.030	.043
663 Yost Trailer Park	well	8	.002			.002	33	61	---	---
863 Grandview Utility District	Crossville WD (seller)			.061		.061	977	62	.270	---
872 Watts Bar Utility District	wells	8	.512			.512	3,487	147	.833	.792

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Rhea County—Continued 908 Summer City Utility District	Dayton WD (seller)		0.133			0.133	1,285	104	0.188	0.360
Roane 287 Harriman Utility Board	Emory River (12.9) Wolfe Branch UD (buyer) Swan Pond UD (buyer)		1.90		0.496 .082	1.32	8,400	158	2.40	3.30
360 Kingston Water System	spring Tennessee River, Watts Bar Reservoir (about 5.7)	8	.807 .603			1.41	7,289	193	1.02	2.00
361 Lewards Water System	well	8	.004			.004	61	66	---	---
457 Midtown Utility District	Rockwood WS (seller)			.344		.344	3,491	98	.400	---
531 Cumberland Utility District of Roane County	Little Emory River (2.7) Sunbright UD (buyer)		1.05		.113	.939	8,855	106	3.64	2.45
590 Rockwood Water System	Tennessee River, Watts Bar Reservoir (553.0) Midtown UD (buyer)		1.65			1.30	7,691	169	2.67	6.59
686 Swan Pond Utility District	Harriman UB (seller)			.082		.082	569	144	---	---
932 Camelot Care Center	well	8	.002			.002	33	61	---	---

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Sequatchie 205 Dunlap Water System	Sequatchie River (about 44.6)		0.564			0.564	4,106	137	1.50	0.864
208 Old Union Water System	spring	4	.002			.002	28	71	.005	---
927 Cagle-Fredonia Utility District	Big Creek UD* (seller)			0.059*		.059	748	79	.150	---
Sevier 256 Gatlinburg Water Department	West Prong Little Pigeon River (at the Great Smoky Mountains National Park boundary) Pigeon Forge WS (seller) well #1		1.68			2.09	7,665	273	6.39	2.89
261 Webb Creek Utility District	Newport UB (seller) 7 wells	9	.070	.343		.079	1,050	75	.368	---
270 Great Smoky Mountains National Park	well	9	.010			.010	40	250	.250	.200
548 Pigeon Forge Water System	Walden Creek (8.9) Sevierville WS (seller) Gatlinburg WD (buyer)		2.08	.332		2.07	6,236	332	6.65	2.60
617 Sevierville Water System	East Prong Little Pigeon River (7.3) Pigeon Forge WS (buyer)		2.18			1.84	11,576	159	1.90	3.00
					0.343					
					.332					

\* See Supplement B

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Sevier County—Continued										
618 East Sevier County Utility District	2 wells	9	0.118			0.118	291	406	0.238	0.086
841 Norton Creek Water System	spring well	8	.006			.006	90	67	.025	---
849 Chalet Village North	well	9	.038			.038	983	39	.100	---
925 Riverside Campground	wells	9	.003			.003	98	31	---	---
956 George Huskey Mobile Home Park	well	9	.004			.004	52	77	---	---
Sullivan										
056 Bloomingdale Utility District	Reedy Creek (11.2)		1.06			1.06	11,550	92	1.44	1.38
057 Blountville Utility District	Bristol WS (seller) Bristol-Bluff City UD (seller)			0.610 .260		.870	8,058	108	.400	---
058 Tri-Cities/Sullivan Utility District	Bristol-Bluff City UD (seller)			.158		.158	2,029	78	.250	---
061 Bluff City Water System	Bristol Bluff City UD (seller)			.192		.192	2,084	92	.300	---
062 Chiquapin Grove Utility District	Wildcat Springs Johnson City WD (seller)	8	.109	.039		.148	1,656	89	.100	.208

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Sullivan County—Continued										
073 Bristol Water System	South Fork Holston River (48.2)		5.27			4.27	23,655	180	6.10	10.0
	Blountville UD (buyer)				0.610					
	Holston UD (buyer)				.187					
	Bristol-Bluff City WS (buyer)				.170					
	Intermont UD (buyer)				.033					
074 Holston Utility District	Bristol WS (seller)			0.187		.334	1,680	199	.212	---
	South Bristol- Weaver Pike WS (seller)			.147						
078 Jacobs Creek Job Corps System	Little Jacob Creek (2.5)		.018			.018	275	66	.050	.077
079 Bristol-Bluff City Utility District	South Fork Holston River (35.6)		1.36			.482	3,757	128	1.40	1.38
	Bristol WS (seller)			.170						
	Blountville UD (buyer)				.260					
	Tri Cities/Sullivan UD (buyer)				.158					
	Bluff City WS (buyer)				.192					
	South Bristol-Weaver Pike UD (buyer)				.437					
319 Intermont Utility District	Bristol WS (seller)			.033		.033	418	79	---	---
349 Kingsport Water Department	South Fork Holston River (6.4)		15.9			15.9	75,355	210	16.2	28.0



**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Sullivan County—Continued										
644 South Bristol-Weaver Pike Utility District	Bristol-Bluff City WD (seller) Holston UD (buyer)			0.437		0.290	4,455	65	0.500	---
854 Foxfire Homeowners Association	2 wells	8	0.014			.014	100	140	.027	---
926 Robindale Water Association	wells	8	.004			.004	47	85	.005	---
Unicoi 229 Temple Hill Utility District	Erwin Utilities (seller)			.132		.132	974	136	.150	0.288
231 Erwin Utilities	A. McPhearson Spring Birchfield Spring O'Brien Spring Temple Hill UD (buyer) Unicoi UD (buyer)	8	2.08			1.68	9,877	170	2.03	3.54
719 Unicoi Water Utility District	Erwin Utilities (seller)			.273		.273	3,026	90	.250	---
Union 415 Luttrell-Blaine-Corryton Utility District	Big Spring Booker Spring Phipps Spring	8	.309			.309	4,440	70	.550	---
442 Maynardville Water Department	Davis Spring Lay Spring	8	.449			.449	2,893	155	.750	.662

**Supplement A. Public water-supply systems and associated water use in the Tennessee hydrologic region—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Union County—Continued 899 Hickory Star Marina	spring	8	0.010			0.010	135	74	0.050	---
Washington 331 Johnson City Water Department	spring Watauga River (17.5) Chinquapin Grove UD (buyer)	9	3.93 12.0		0.039	15.9	60,025	264	11.8	15.0
338 Jonesboro Water Department	Dry Creek Nolichucky River (about 86.0)		2.80			2.80	13,274	211	3.50	4.00
Wayne 119 Clifton Water Department	Tennessee River (158.2)		.356			.356	1,015	351	.500	.324
127 Collinwood Water Department	4 springs	5	.174			.174	1,738	100	.300	.288
736 Waynesboro Water System	Green River (13.6)		.450			.450	3,450	130	.600	.865
934 Southwest Wayne County Utility District	West Lauderdale County, Alabama			0.005		.005	95	53	.200	---
Williamson 699 HB & TS Utility District	Spring Hill WD (seller) Harpeth Valley UD (seller)			.374 .686*		1.06	8,986	118	1.00	---

\* See Supplement B

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)**

[PWSID, Public Water System Identification number; Mgal/d, million gallons per day; gal/d, gallons per day; UD, Utility District; WD, Water Department; WS, Water System; Co., county; ---, not applicable; Principal aquifer: 4, Pennsylvanian sandstone rock; 5, Mississippian carbonate rock; 6, Ordovician carbonate rock; 8, Cambrian-Ordovician carbonate rock]

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Ohio region										
Campbell 330 Jellico Water Department	Proctors Hollow Creek (impoundment)		0.506			0.506	3,607	140	1.00	0.778
912 Deerfield Resort Water System	well	8	.007			.007	103	68	---	---
Cannon 756 Woodbury Water System	East Fork Stones River		.744			.744	5,694	131	.700	.829
Cheatham 023 Ashland City Water Department	-Marrowbone Creek, Cheatham Reservoir (1.1)		.848			.848	4,111	206	1.00	1.24
218 East Montgomery Utility District	Cunningham E. Mont.UD (seller) Springfield WS (seller) Pleasant View UD (buyer)			0.979 .233		1.13	8,087	140	1.80	---
558 Pleasant View Utility District	Springfield WS (seller) E. Montgomery UD (seller) Sycamore Creek (10.8)			.394 .082		.978	8,435	116	1.60	.800
582 River Road Utility District	Brush Creek (1.1) Harpeth Valley UD (seller)		.072	.054		.126	1,395	90	.100	.144
645 Second South Cheatham Utility	Harpeth River (36.1)		.545			.545	4,873	112	.800	.922

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross			Design capacity (million gallons)
						Gross water use (Mgal/d)	Popula- tion served	per capita use (gal/d)	
Claiborne 826 Clear Fork Utility District	well	4	0.086			0.086	1439	60	0.288
Clay 099 Celina Water System	Obe River (0.25) Freehill UD (buyer)		.713		0.033	.680	3,035	224	1.00
100 Free Hill Utility District	Celina WS (seller)			0.033		.033	311	106	---
573 Northwest Clay County Utility District	Red Boiling Spring WS (seller)			.230		.230	2,410	95	---
Coffee 880 Stacey Ann's Mobile Home Park	well	5	.011			.011	126	87	---
Cumberland 150 Crossville Water Department	Meadow Park Lake, headwaters Caney Fork River (1.91) (See Sup. A, TN River basin, Crossville, Holiday Hills Lake) Catoosa UD* (buyer) Lantana UD* (buyer) Grandview UD* (buyer) Pleasant Hill UD (buyer)		3.13			4.13*	13,882	298	5.04
					.398*				
					.346*				
					.061*				
					.104				

\* See Supplement A

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Cumberland County—Continued										
557 Pleasant Hill Utility District	Bon de Croft UD (seller) Crossville WD (seller)			0.128 .104		0.232	3,162	73	0.250	---
Davidson										
286 Harpeth Valley Utility District	Cumberland River, Cheatham Reservoir (172.6) Brentwood WD (buyer) Fairview WS (buyer) Franklin WD (buyer) Milkrofton UD (buyer) Mallory Valley UD (buyer) River Road UD (buyer) HB & TS UD (buyer)		11.6		2.35 .442 1.83 .643 .104 .054 .686	5.50	22,901	240	11.9	18.9
297 Cumberland Utility District of Davidson County	Cumberland River, Cheatham Reservoir (207.6)		4.61			4.61	23,600	195	5.35	6.25
424 Madison Suburban Utility District	Cumberland River, Cheatham Reservoir (200.5)		7.76			7.76	39,334	197	6.00	16.0
494 Nashville Water Department	Cumberland River, Cheatham Reservoir (195.0 and 200.0) Brentwood WD (buyer)		82.2		.086	82.2	398,689	206	81.2	131
527 Old Hickory Utility District	Cumberland River, Old Hickory Reservoir (218.9) Lakewood WD (buyer) Nashville WD #2 (buyer)		0.811			0.485	3,929	123	1.00	1.51

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Davidson County—Continued 528 Lakewood Water Department	Old Hickory UD (seller)			0.177		0.177	1,774	100	---	---
529 Nashville Water Department #2	Old Hickory UD (seller)			.149		.149	1,180	126	---	---
DeKalb 008 Alexandria Water System	Smith UD #1 (seller)			.097		.097	1,575	62	0.450	---
188 DeKalb Utility District #1	Smithville WS (seller)			.421		.421	7,229	58	.500	---
403 Dowlstown-Liberty Utility District	well	6	0.080			.080	875	91	.100	0.432
637 Smithville Water System	Caney Fork River, Center Hill Reservoir (60.7) DeKalb UD #1 (buyer)		1.11		0.421	.691	4,813	144	2.10	4.15
835 Dekalb Utility District #4	Baxter WD (seller)			.025		.025	303	82	---	---
Dickson 285 Harpeth Utility District	Baker Spring Turnbull UD (seller)	5	.147			.269	2,503	108	0.300	0.288

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Dickson County—Continued										
716 Turnbull Utility District	Turnbull Creek (11.1)		2.03			1.27	7,184	177	2.90	3.00
	Dickson WD (buyer)*				0.248*					
	Harpeth UD (buyer)				.122					
	White Bluff UD (buyer)				.388					
724 Vanleer Water System	spring	5	.188			.188	1,884	100	.450	.200
744 White Bluff Utility District	Turnbull UD (seller)			0.388		.388	4,147	94	.650	---
Fentress										
010 Allardt Water System	Fentress County UD (seller)			.152		.152	1,689	90	.150	---
244 Fentress County Utility District	Jamestown WD (seller) Allardt WS (buyer)			.757	.152	.605	6,072	100	.300	---
324 Jamestown Water Department	North White Oak Creek (18.1) Chanute-Pall Mall UD (buyer)		1.40		.757	.641	3,231	198	1.25	1.96
875 Chanute-Pall Mall Utility District	Byrdstown WD (seller)			.044		.044	686	64	.200	---
Grundy										
122 Big Creek Utility District	Ranger Creek impoundment Griffith Creek UD* (buyer) Cagle-Fredonia UD* (buyer)		.810		.095* .059*	.656	6,265	105	1.49	1.24

\* See Supplement A

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Houston 230 Erin Water Department #1	Cumberland River, Lake Barkley (108.3) well	5	0.543			0.696	4,373	159	1.80	1.06
	Tennessee Ridge WS* (buyer)		.207		0.011*					
	Cumberland City WS (buyer)				.043					
Jackson 251 Gainesboro Water System	Cumberland River, (Cordell Hull Reservoir) (359.1) Jackson UD #3 (buyer)		0.455		.080	0.375	1,386	271	0.500	0.749
252 Jackson County Utility District #1	Old Gainesboro Road UD (seller)			0.014		.014	527	27	.235	---
817 Jackson County Utility District #2	Livingston WD (seller)			.067		.067	794	84	---	---
845 Jackson County Utility District #3	Gainesboro WS (seller)			.080		.080	799	100	---	---
859 Jackson County Utility District #4	Red Boiling Springs WS (seller)			.068		.068	789	86	---	---
Macon 373 Lafayette Water System	Adams Spring Spring Creek Spring (sw)	5	.793 .014			.807	8,453	96	.900	2.45
572 Red Boiling Springs Water System	spring NW Clay Co. Utility (buyer) Jackson Co. UD #4 (buyer)	5	.609		.230 .068	.311	3,066	101	1.00	.576

\* See Supplement A



**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Montgomery 116 Clarksville Water Department	Cumberland River, Lake Barkley (132.8) Cumberland Heights UD (buyer) Woodlawn UD (buyer)		12.4		0.252 .491	11.7	86,210	135	14.5	24.0
166 Cumberland Heights Utility District	Clarksville WD (seller)			0.252		.252	2,728	92	.300	---
167 Cunningham Utility District	Cunningham East Montgomery UD (seller)			1.05		1.05	8,369	126	2.98	---
758 Woodlawn Utility District	Clarksville WD (seller)			.491		.491	5,560	88	0.500	---
820 Fort Campbell Water System	Little West Fork, Red River, Boiling Springs (12.9)		4.69			4.69	19,021	246	2.75	7.60
929 Cunningham East Montgomery Utility District	Cumberland River Cunningham UD (buyer) East Montgomery UD (buyer)		2.14		1.05 .979*	.111	25	4,440	---	4.10
Overton 013 North Overton Utility District	Livingston WD (seller)			.189		.189	2,528	75	.350	---
405 Livingston Water Department	Carr Creek (impoundment) (4.7) Roaring River (57.5) North Overton UD (buyer) West Overton UD (buyer) Jackson County UD #2 (buyer)		2.03			1.55	10,987	141	1.85	3.00

\* See Supplement A

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Overton County—Continued										
578 West Overton Utility District	Algood WS (seller) Livingston WD (seller)			0.067 .233		0.290	3,152	92	0.100	---
853 East Fork Utility District	Monterey WD (seller)			.098		.098	1,554	63	.200	---
Pickett 088 Byrdstown Water Department	Obeys River, Dale Hollow Reservoir (45.3) Fentress County UD (buyer)		0.497		0.044	.453	3,528	128	0.450	0.432
Putnam 009 Algood Water System	Cookeville WD (seller) West Overton UD (buyer)			.489	.067	.422	4,043	104	.275	---
038 Bangham Utility District	Cookeville WD (seller)			.412		.412	4,319	95	---	---
040 Baxter Water Department	Cookeville WD (seller) DeKalb UD #4 (buyer) Smith UD #2 (buyer) W. Putnam UD (buyer) South Side UD #2 (buyer)			.643 .025 .019 .029 .011		.559	3,285	170	.300	---

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Putnam County—Continued										
133 Cookeville Water Department	Caney Fork River, Center Hill Reservoir (45.1) Algood WS (buyer) Bangham UD (buyer) Baxter WD (buyer) Cookeville Boat Dock Road (buyer) Old Gainesboro Road UD (buyer) Double Springs UD (buyer)		9.58		0.489 .412 .643 .376 .373 .353	6.94	25,799	269	10.0	15.0
134 Cookeville Boat Dock Road Utility District	Cookeville WD (seller)			0.376		.376	4,234	89	---	---
135 Old Gainesboro Road Utility District	Cookeville WD (seller) Jackson County UD #1			.373	.014	.359	3,201	112	.100	---
192 Double Springs Utility District	Cookeville WD (seller)			.353		.353	3,114	113	---	---
471 Monterey Water Department	City Lake Meadow Creek Lake East Fork UD (buyer)		.999		.098	.901	3,308	272	1.70	1.01
903 West Putnam Utility District	Baxter WD (seller)			.029		.029	686	42	---	---
Robertson 001 Adams-Cedar Hill Water System	Red River (34.1)		.261			.261	3,055	85	0.660	0.349

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Robertson County—Continued 271 Greenbrier Water and Sewer Department	Springfield WS (seller)			0.278		0.278	3,520	79	0.100	---
666 Springfield Water System	Red River (about 1,000 yards south of the Kentucky state line)		4.10			3.19	22,619	141	10.0	4.60
	East Montgomery UD (buyer)				0.233					
	Greenbrier Water and Sewer Department (buyer)				.278					
	Pleasant View UD (buyer)				.394					
Rutherford 386 La Vergne Water System	Stones River, J. Percy Priest Reservoir		1.87			1.87	10,908	171	1.38	4.50
491 Murfreesboro Water Department	East Fork Stones River (12.3)		8.50			8.50	45,423	187	9.00	9.40
639 Smyrna Water System	Stones River, J. Percy Priest Reservoir (35.5) Nolensville-College Grove UD (buyer)		5.65			5.06	16,877	300	4.15	8.00
791 Consolidated Utility District of Rutherford County #1	East Fork Stones River (0.7)		6.32			6.32	50,303	126	9.30	8.00
Scott 318 Huntsville Utility District	Flat Creek (impoundment)		1.05			1.05	8,270	127	1.76	1.60

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Scott County—Continued										
532 Oneida Water and Sewer Commission	North Fork Pine Creek, Howard Baker Lake (1.8)		1.16			1.16	7,990	145	1.40	1.51
Smith 095 Carthage Water System	Cumberland River, Old Hickory Reservoir (308.7) Cordell Hull UD (buyer) Twenty Five UD (buyer)		.574		0.133 .097	.344	2,612	132	.600	1.50
096 Cordell Hull Utility District	Carthage WS (seller)			0.133		.133	1,300	102	.200	---
636 Smith Utility District #1	Caney Fork River (7.3) Alexandria WS (buyer) South Side UD #1 (buyer)		1.06		.097 .067	.896	4,721	190	2.60	3.00
718 Twenty Five Utility District	Carthage WS (seller) South Side UD #3 (buyer)			.097	.003	.094	1,334	70	.100	---
847 Smith Utility District #2	Baxter WD (seller)			.019		.019	157	121	---	---
904 South Side Utility District #1	Smith UD #1 (seller)			.067		.067	1,190	56	---	---
910 South Side Utility District #2	Baxter WD (seller)			.011		.011	141	78	---	---
953 South Side Utility District #3	Twenty Five UD (seller)			.003		.003	70	43	---	---

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Stewart 083 Loon Bay Property Owners Association	well	5	0.005			0.005	132	38	0.002	---
162 Cumberland City Water System	Erin WD (seller)			0.043		.043	556	77	.300	---
193 Dover Water Department	Cumberland River, Lake Barkley (88.8) Long Creek WS (buyer)		.235		0.010	.225	2,246	100	0.800	0.800
195 North Stewart Utility District	Spring Lake		.245			.245	3,289	74	1.25	.432
807 Long Creek Water System	Dover WD (seller)			.010		.010	78	128	---	---
916 Leatherwood Water District, Inc.	well	5	.021			.021	303	69	---	---
Sumner 097 Castalian Springs- Bethpage Utility District	Westmoreland WS (seller)			.553		.553	5,404	102	.585	---
253 Gallatin Water Department	Cumberland River, Old Hickory Reservoir (239.1) Castalian Springs-Bethpage UD (buyer) Westmoreland WS (buyer)		5.26		.553 .402	4.31	22,409	192	7.50	8.06
294 Hendersonville Utility District	Drakes Creek, Old Hickory Lake (4.8)		4.19			4.19	32,553	129	6.70	8.00

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Gross		
							Popula- tion served	per capita use (gal/d)	Storage capacity (million gallons)
Sumner County—Continued									
559 Portland Water System	City Lake		1.80			1.80	8,914	202	1.30
738 Westmoreland Water System	Gallatin WD (seller)			0.402		.402	2,504	160	.600
745 White House Utility District	Cumberland River, Old Hickory Reservoir (217.1)		8.57			8.57	44,793	191	5.20
Trousdale									
291 Hartsville Water Department	Cumberland River, Old Hickory Reservoir (278.6)		.677			.677	5,476	124	1.78
Van Buren									
552 Fall Creek Falls Utility District	Taft Youth Center* (seller)			.275*		.275	1,744	158	.928
655 Spencer Water System	impoundment		.422			.422	2,846	148	.825
Warren									
423 McMinnville Water Department	Barren Fork River (6.3)		2.77			2.77	14,613	189	4.00
742 West Warren-Viola Utility District	Barren Fork River (18.1)		1.03			1.03	6,168	166	.600
818 Warren County Utility District	Collins River (21.6)		1.55			1.55	13,580	114	2.60

\* See Supplement A

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross			Design capacity (million gallons)
						Gross water use (Mgal/d)	Popula- tion served	per capita use (gal/d)	
White									
190 Dewhite Utility District	Sparta WS (seller)			0.594		0.594	3,496	170	0.550 ---
526 O'Connor Utility District	Sparta WS (seller)			.531		.531	4,214	126	.450 ---
569 Quebec Walling Utility District #1	Sparta WS (seller)			.216		.216	2,664	81	.400 ---
652 Sparta Water System	Calfkiller River (16.1) Dewhite UD (buyer) O'Connor UD (buyer) Quebec Walling UD (buyer)		2.62		0.594 .531 .216	1.28	7,024	182	3.50 3.29
653 Bon de Croft Utility District	Billys Branch (8.2) Pleasant Hill UD (buyer) Prices Switch WC (buyer)		.333		.128 .010	.195	1,854	105	.200 .645
836 Prices Switch Water Company	Bon de Croft UD (seller)			.010		.010	79	127	--- ---
Williamson									
069 Brentwood Water Department	Nashville WD (seller) Harpeth Valley UD (seller)			.086 2.35		2.44	19,298	126	9.00 ---
236 Fairview Water System	Harpeth Valley UD (seller) Middle School well	6	.045	.442		.487	4,758	102	.550 .187
246 Franklin Water Department	Harpeth Valley UD (seller) Mallory Valley UD (buyer)			1.83	.954	.876	27,743	32	9.30 2.40



**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Williamson County—Continued										
247 Milcrofton Utility District	Harpeth Valley UD (seller)			0.643		0.643	4,801	134	1.35	---
428 Mallory Valley Utility District	Franklin WD (seller) Harpeth Valley UD (seller)			.954 .104		1.06	3,753	282	3.42	---
511 Nolensville-College Grove Utility District	Smyrna WS (seller) wells	6	0.159	.589		.748	6,624	113	1.50	0.604
Wilson										
264 Gladeville Utility District #1	well	6	.965	.462		1.43	8,658	165	0.400	4.00
941 Gladeville Utility District #2	Lebanon WS	Statistics combined with Gladeville #1								
393 Lebanon Water System	Cumberland River, Old Hickory Reservoir (263.0) Gladeville UD #1 (buyer) Laguado UD (buyer) Wilson County Water and Wastewater (buyer)		5.28		0.462 .431 .676	3.71	20,074	185	8.00	12.0
394 Laguado Utility District	Lebanon WS (seller)			.431		.431	2,940	147	.500	---
732 Watertown Water System	well #1	6	.202			.202	1,629	124	.400	.324
743 West Wilson Utility District	Cumberland River, Old Hickory Reservoir (225.4)		3.06			3.06	24,664	124	8.00	8.00

**Supplement B. Public water-supply systems and associated water use in the Ohio hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross			Design capacity (million gallons)
						Gross water use (Mgal/d)	Popula- tion served	per capita use (gal/d)	
Wilson County—Continued 790 Wilson County Water and Wastewater	Lebanon WS (seller)		0.676	0.676		0.676	6,174	110	1.15
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**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)**

[PWSID, Public Water System Identification number; Mgal/d, million gallons per day; gal/d, gallons per day; LGW, Light, Gas and Water Division; WC, Water Company; UD, Utility District; WD, Water Department; WS, Water System; WA, Water Association; e, estimated; --, not applicable; a, governing board, billing through Memphis Light, Gas and Water Division (LGW), "water use" and "population served" combined with LGW totals; Principal aquifer: 2, Tertiary sand; 3, Cretaceous sand; 5, Mississippian carbonate rock]

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Lower Mississippi region										
Carroll										
035 Atwood Water System	well	2	0.096			0.096	1,125	85	0.350	0.230
098 Cedar Grove Utility District	2 wells	2	.135			.135	1,125	120	.400	.350
316 Huntingdon Water Department	2 deep wells	3	.606			.606	5,513	110	1.20	1.44
421 McKenzie Water Department	wells	2	1.19			1.19	5,962	200	.900	1.36
422 McLemoresville Water Department	2 wells	2	.032			.032	338	95	.100	.432
710 Trezevant Water System	2 wells	2	.094			.094	1,150	82	.150	.432
Chester										
293 Henderson Water Department	5 wells Pinson UD (buyer)	3	1.02		0.147	.876	5,799	151	.920	2.18
Crockett										
005 Alamo Water Department	4 wells	2	.317			.317	2,289	138	.500	.864

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With-drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula-tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Crockett County—Continued										
006 County Wide Utility District	2 Gadsden wells	2	0.056			1.13	5,054	224	0.775	1.48
	Gum Flat well		.278							
	Salem well		.299							
	Bonicord well		.087							
	Old Field well		.159							
	Egg Hill well		.115							
	Highway 20 well		.140							
045 Bells Public Utility District	well	2	.195			.195	1,672	117	.400	.490
148 Crockett Mills Utility District	2 wells	2	.085			.085	806	106	.100	.163
248 Friendship Water Company	2 wells	2	.078		0.075	.003	665	4	---	.216
441 Maury City Water Department	2 wells	2	.080			.080	767	104	.275	.173
928 Friendship Distribution System	Friendship WC (seller)			0.075		.075	708	106	.150	---
Dyer										
211 Dyersburg Water Department	5 wells	2	4.12		.09e	4.03e	17,466	230e	4.50	6.22
212 Dyersburg Suburban Consolidated Utility District	3 wells	2	.449			.449	3,671	122	.300	.864

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Dyer County—Continued										
213 East Dyersburg Utility District	Dyersburg WD (seller)			0.09e		0.09e	1,134	79e	0.055	---
496 Newbern Water Department	3 wells	2	0.836			.836	6,645	126	1.01	1.01
518 Northwest Dyersburg Utility District	wells	2	.306			.306	3,016	102	.450	.864
711 Trimble Water System	3 wells	2	.125			.125	690	181	.200	.567
888 Midway Trailer Court	well	2	.002			.002	28	71	---	---
Fayette										
254 Gallaway Water Department	3 wells	2	.233			.233	888	262	.350	.605
382 La Grange Water Department	3 wells	2	.031			.031	223	139	.100	.187
477 Moscow Water Department	well	2	.096			.096	594	162	.175	.250
521 Oakland Water Department	3 wells	2	.231			.231	2,281	101	.300	.864
597 Rossville Water System	2 wells	2	.049			.049	416	118	.200	.403
641 Somerville Water System	5 wells	2	.647		0.075	.572	4,018	142	.900	1.94
	Williston WS (buyer)									
753 Williston Water System	Somerville WS (seller)			.075		.075	668	112	.100	---
842 Piperton Water System	Collierville WD (seller)			.14e		.14e	768	182e	---	---

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Gibson 067 Bradford Water System	well	2	0.164			0.164	1,210	136	0.300	0.864
209 Dyer Water Department	3 wells	2	.310			.310	2,986	104	.600	.720
263 Gibson Water Department	2 wells	2	.032			.032	446	72	.050	.432
314 Humboldt Water Department	4 wells	2	2.28			2.28	12,152	187	1.05	3.60
445 Medina Water Department	2 wells	2	.066			.066	942	70	.250	.288
458 Milan Water Department	3 wells	2	1.31			1.31	9,841	133	1.50	3.20
599 Rutherford Water System	2 wells	2	.131			.131	1,488	88	.150	.720
707 Trenton Water System	3 wells	2	.635			.635	5,153	123	1.75	2.30
709 Gibson County Municipal Water District #1	Grier's Chapel well	2	.251			.251	2,574	98	.100	.432
788 Gibson County Municipal Water District #2	Concord well	2	.095			.095	977	97	.150	.216
798 Milan Arsenal #1	wells	2	.339			.339	1,500	226	.800	1.87
812 Gibson County Municipal Water District #3	Eaton Central well	2	.151			.151	1,143	132	.075	.216
813 Gibson County Municipal Water District #4	Fruitland well	2	.158			.158	1,440	110	.075	.216

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (Intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Gibson County—Continued										
815 Gibson County Municipal Water District #5	Goat City well	2	0.123			0.123	726	169	0.150	0.216
816 Gibson County Municipal Water District #6	Idlewild Well	2	.030			.030	152	197	---	.150
Hardeman										
063 Bolivar Water System	well	3	1.17			.915	7,535	121	1.55	1.58
	Hornsby UD (buyer)			0.099						
	Spring Creek UD (buyer)			.153						
064 Western State Hospital	wells	2	.133			.133	100	1,330	.300	1.08
267 Grand Junction Water Department	2 wells	2	.191			.141	874	161	.325	.432
	Saulsbury UD (buyer)			.050						
312 Hornsby Water Department	Bolivar WS (seller)			0.099		.099	1,024	97	.150	---
446 Woodruff Lakes Subdivision	well	3	.009			.009	82	110	.120	.288
451 Grand Valley Lakes Water System	well	2	.028			.028	360	78	.038	.259
455 Middleton Water Department	2 wells	3	.149			.149	938	156	.250	.432
610 Saulsbury Utility District	Grand Junction WD (seller)			.050		.050	551	91	---	---
664 Spring Creek Utility District	Bolivar WS (seller)			.153		.153	1,952	78	---	---

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Hardeman County—Continued										
704 Toone Water System	3 wells	2	0.152			0.152	450	338	0.450	0.605
748 Whiteville Water Department	3 wells	2	.130			.130	1,370	95	.200	.720
797 Riviera Utilities of Tennessee	well	3	.043			.043	137	314	.075	.302
Haywood										
080 Brownsville Water Department	well	2	2.05			2.05	13,347	153	1.61	2.76
672 Stanton Water System	2 wells	2	.074			.074	743	100	.300	.720
Henry										
296 Henry Water System	2 wells	2	.137			.137	484	283	.100	.540
Lake										
561 Proctor City Utility District	Tiptonville WS (seller)			0.02e		.02e	325	62e	---	---
575 Reelfoot Utility District	2 wells Samburg UD (buyer)	2	.188		0.07	.118	688	172	.100	.432
579 Ridgely Water System	2 wells	2	.293			.293	2,612	112	.375	.604
700 Tiptonville Water System	3 wells	2	0.788		0.02e	0.768	2,203	349	0.650	1.40



**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Lauderdale 245 Cold Creek Correctional Facility	3 wells	2	0.438			0.438	1,347	325	0.630	1.44
255 Gates Water Department	2 wells	2	.051			.051	747	68	.125	.216
279 Halls Water System	3 wells	2	.684			.684	4,746	144	.900	1.07
295 Henning Water Department	well	2	.157			.157	1,149	137	.280	.288
580 Ripley Water System	5 wells	2	1.52			1.52	7,101	215	1.70	3.03
581 Lauderdale County Water System	4 wells	2	.673			.673	7,791	86	.502	1.02
McNairy 050 Bethel Springs Water System	well	3	.084			.084	695	121	.100	.197
570 Eastview Utility District	Selmer WS (seller)			0.131		.131	1,072	122	---	---
571 Ramer Water Department	well	3	.061			.061	408	150	.100	.324
615 Selmer Water System	wells Eastview UD (buyer)	3	2.13		0.131	2.00	10,999	182	2.15	3.17
Madison 298 Whispering Pines Trailer Court	2 wells	2	0.018			0.018	125	144	---	---

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Madison County—Continued										
299 Jackson Utility Division	North wells South wells	2	12.1			12.1	58,698	206	16.2	20.0
453 Mercer Utility District	well	2	.019			.019	173	110	.100	.086
556 Pinson Utility District	Henderson WD (seller)			0.147		.147	1,446	102	.218	---
Obion										
220 Elbridge Water Association	2 wells Hornbeak UD (buyer)	2	.371		0.093	.278	2,839	98	.774	.576
311 Hornbeak Utility District	Elbridge WA (seller)			.093		.093	1,204	77	.100	.216
347 Kenton Water Department	2 wells	2	.142			.142	1,584	90	.400	.648
524 Obion Water Department	2 wells	2	.243			.243	1,756	138	.150	.252
607 Samburg Utility District	Reelfoot UD (seller)			.07		.07	733	96	.100	---
648 South Fulton Water System	wells	2	.550			.550	4,554	121	.600	1.44
712 Troy Water System	2 wells	2	.223			.223	1,745	128	.160	.720
720 Union City Water Department	wells Reelfoot WA (buyer)	2	3.45		.100	3.35	15,291	219	2.12	5.20
757 Reelfoot Water Association	Union City WD (seller)			.100		.100	696	144	---	---
901 Cloar's Trailer Park	well	2	0.003			0.003	43	70	---	---
935 Mason Hall Development Corporation	well	2	.015			.015	202	74	.002	---

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
Shelby 019 Arlington Water System	well	2	0.413			0.413	1,192	346	0.450	0.720
126 Collierville Water Department	deep wells Piperton WS (buyer)	2	3.41		0.14e	3.27e	17,790	184e	2.45	7.78
262 Germantown Water Department	9 wells Memphis LGW (seller)	2	3.96	0.788		4.75	36,381	130	.575	9.11
450 Memphis Light, Gas and Water Division	Mallory well field Sheahan well field Allen well field McCord well field Lichterman well field Davis well field LNG well field Palmer well field Morton well field Shaw well field Germantown WD (buyer)	2	16.0 20.6 22.8 17.4 21.9 12.6 .542 4.92 17.1 14.2			147	704,928	209	5.15	277
463 Millington Water Department	wells	2	1.17		.788	1.17	7,155	164	.500	2.59
468 Naval Support Activity Memphis	5 wells	2	1.56			1.56	18,000	87	.500	4.20
765 Bartlett Water System	well	2	4.44			4.44	33,125	134	2.25	9.50
773 Shelby County Board of Public Utilities	Memphis LGW (seller)			a		a	a	a	1.40	---

**Supplement C. Public water-supply systems and associated water use in the Lower Mississippi hydrologic region (Modified from Alexander and others, 1984, and from Hutson and Morris, 1992)—Continued**

County, PWSID, and system	Source of supply (intake river mile), seller, buyer	Principal aquifer	With- drawal (Mgal/d)	Water purchased (Mgal/d)	Water sold (Mgal/d)	Gross water use (Mgal/d)	Popula- tion served	Gross per capita use (gal/d)	Storage capacity (million gallons)	Design capacity (million gallons)
<b>Tipton</b>										
033 Atoka Water System	Munford WD (seller)			0.143		0.143	2208	65	---	---
070 Brighton Water System	well	2	0.151			.151	1,665	91	0.125	0.245
144 Covington Water Department	deep wells	2	1.43			1.43	8,580	167	2.05	4.41
201 Poplar Grove Utility District	wells	2	.996			.996	10,296	97	.700	2.09
440 Mason Water Department	2 wells	2	.212			.212	1,750	121	.200	.302
490 Munford Water Department	3 wells	2	.723			.580	5,191	112	.600	1.30
	Atoka WS (buyer)				0.143					
703 First Utility District of Tipton County	4 wells	2	.705			.705	6,492	109	.250	1.22
<b>Weakley</b>										
196 Dresden Water Department	3 wells	2	.558			.558	3,628	154	1.00	1.15
265 Gleason Water Department	2 wells	2	.156			.156	1,627	96	.200	.720
276 Greenfield Water Department	wells	2	.270			.270	2,477	109	.325	.720
435 Martin Water Department	wells	2	1.40			1.40	11,612	121	0.975	5.34
627 Sharon Water System	wells	2	.129			.129	1,297	100	.155	.720

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