

# *Bureau of Water*

*South Carolina Department of Health and Environmental Control*

## South Carolina Water Use Report 2010 Annual Summary



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# **South Carolina Water Use Report 2010 Summary**

**South Carolina Department of Health and  
Environmental Control  
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## ***Definitions***

**Aquifer** – A geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs. An alternate definition includes saturated material capable of providing economically viable amounts of water to wells or springs.

**Aquaculture water use (water use category)** – Water used for raising, farming and/or harvesting of organisms that live in water, such as fish, shrimp and other shellfish and vegetal matter (seaweed).

**Consumptive water use** – The amount of water withdrawn that is evaporated, transpired, incorporated into products or crops, consumed by humans or livestock, or otherwise removed from the immediate water environment.

**Effluent (wastewater)** – Water conveyed out of a wastewater treatment facility or other works used for the purpose of treating, stabilizing, or holding wastewater. Effluent is often highly treated and is an excellent option for reuse of wastewater for irrigation.

**Evapotranspiration** – Collective term, including water discharged to the atmosphere as a result of evaporation from the soil and surface-water bodies and plant transpiration.

**Fall Line** – The geologic and physiographic surface boundary separating the sedimentary deposits of the Coastal Plain from the metamorphic and igneous rocks of the Piedmont.

**Farm** – Any operation from which \$1000.00 or more of agricultural products were sold or normally would be sold during the year.

**Golf course irrigation (water use category)** – Water applied to maintain golf course turf, including tee boxes, fairways, putting greens, associated practice areas and periphery aesthetic landscaping.

**Groundwater** – Generally, all subsurface water as distinct from surface water; specifically, that part of the subsurface water in the saturated zone.

**Hydroelectric water use (water use category)** – Water used in generating electricity where turbine generators are driven by falling water.

**Industrial water use (water use category)** – Water used for commercial and industrial purposes, including fabrication, processing, washing, in-plant conveyance and cooling.

**Irrigated acreage** – Acreage capable of being irrigated, with regard to availability of water, suitable soils and topography of land.

**Irrigation water use (water use category)** – Water that is used for agricultural and landscaping purposes including turf farming and livestock management.

**Mining water use (water use category)** – Water that is used for in conjunction with surface or subsurface mining of minerals or natural materials

**Other use (water use category)** – Any use of surface water or groundwater not specifically identified in any of the other categories.

**Reclaimed water** – Wastewater treatment plant effluent that has been diverted, intercepted, or otherwise conveyed for use before it reaches a natural waterway or aquifer.

**Surface water** – Water flowing or stored on the earth’s surface such as a stream, lake, or reservoir.

**Thermoelectric water use (water use category)** – Water used in generating electricity from fossil fuel (coal, oil, natural gas), geothermal, biomass, solid waste, or nuclear energy.

**Water supply (water use category)** – Water withdrawn by public and private water suppliers and conveyed to users or groups of users. Water suppliers provide water for a variety of uses including domestic, commercial, industrial and public water use.

**Water usage rates** – As utilized in this report, measurements to quantitatively represent volumetric withdrawals per unit of time; as in gallons per minute (gpm), gallons per day (gpd) and gallons per year (gpy). Unless otherwise stated, figures in this report are presented in millions of gallons per year.

**Water use** – Generally, water that is used for a specific purpose (i.e., domestic use, industrial, etc.). Broadly, human interaction with and influence on the hydrologic cycle, and includes water withdrawal, distribution, consumptive use, wastewater collection and return flow.

**Withdrawal** – The removal of surface water or groundwater from its current setting in the natural hydrologic system for use, including, but not limited to, water supply, industrial use, commercial use, domestic use, irrigation, livestock, power generation

## ***Forward***

The South Carolina Department of Health and Environmental Control (DHEC) is committed to the responsible management of South Carolina's water resources by encouraging continued conservation and reasonable use to ensure a sustainable supply for present and future demands. The South Carolina *Surface Water Withdrawal and Reporting Act*, §49-4-10 et. seq., and the South Carolina *Groundwater Use and Reporting Act*, §49-5-10 et. seq., require water users that withdraw three (3) million gallons or greater in any month to register with and report that use annually to the Water Use Program at DHEC.

Water Use data is used by the State of South Carolina to better define the distribution and demand for our surface and groundwater resources across the state. Data from the Water Use Program at DHEC is shared between other local, state, and federal regulatory and scientific agencies to establish a common understanding of the demands placed upon our water resources. This common database has proven critical in water management decisions and water use conflict resolution.

Statistics utilized in this report represent data obtained from users registered with the Water Use Program. Consumptive use from private domestic wells, small surface water irrigation intakes, facilities that do not meet the reporting threshold, or data from facilities failing to report their annual water use are not included in this annual summary. For the year 2010, compliance of reporting facilities exceeded 99%.

If you have questions about this or previous Annual Water Use Reports, or would like to obtain further information about reported water withdrawals in South Carolina, please contact:

**Water Use Program  
SCDHEC Bureau of Water  
2600 Bull Street  
Columbia, SC 29201  
[www.scdhec.net/water](http://www.scdhec.net/water)**

Definitions.....	3
Forward.....	5
Introduction.....	7
Purpose and Methodology.....	7
South Carolina Climate.....	8
Geography and Physiography.....	9
Blue Ridge.....	9
Piedmont.....	9
Coastal Plain.....	9
Groundwater Resources.....	11
Crystalline Rock Aquifer System of the Blue Ridge and Piedmont.....	11
Surficial Aquifer System.....	11
Tertiary Limestone/Sand Aquifer System (Floridan Aquifer System).....	11
Black Mingo Aquifer.....	11
Pee Dee Aquifer.....	12
Black Creek Aquifer.....	12
Middendorf Aquifer.....	12
Cape Fear Aquifer.....	12
Surface Water Resources.....	13
Broad River Basin.....	13
Catawba River Basin.....	13
Edisto River Basin.....	13
Pee Dee River Basin.....	13
Salkehatchie River Basin.....	13
Saluda River Basin.....	13
Santee River Basin.....	14
Savannah River Basin.....	14
Surface and Groundwater Use Summary by Source, Category and County in South Carolina, 2010.....	15
Reporting Water Withdrawers.....	15
Total Reported Water Use.....	16
Water Use by Category.....	19
Aquaculture Use.....	19
Golf Course Use.....	20
Hydroelectric Water Use.....	21
Industrial Use.....	22
Irrigation Use.....	23
Mining.....	24
Other Uses.....	25
Thermoelectric Water Use.....	26
Water Supply.....	27
Water Use Trends.....	28
Appendix A: Surface and Groundwater Use Summary Table.....	30

## ***Introduction***

South Carolinians have historically enjoyed an available fresh water supply that is clean, abundant, and easily attainable. According to the U.S. Census Bureau, South Carolina increased its population by 15.3% between 2000 to 2010 to 4.625 million.. This growth and development in the state has placed increasing demand on our water supplies. With limited and sporadic rainfall events, groundwater systems and surface water bodies under continuous natural discharge and, in recent years, human use (pumpage) showed steady and, at times, drastic water level declines with numerous waterways reaching record low flow conditions. Due to the low flow conditions, excursions of saltwater inland along coastal waterways threatened some surface water intakes. Some homeowners that rely on shallow water wells have been forced to drill deeper wells or seek alternate sources of water supply.

In conjunction with natural conditions, the continued impact to groundwater systems through human induced contamination (physical and chemical) or natural impact demonstrate the vulnerability of this finite resource and the continuing need to closely monitor, manage and preserve the resource in South Carolina for current and future generations. The state General Assembly declared that,

“...the groundwater resources of the State be put to beneficial use to the fullest extent to which they [are] capable and to provide and maintain conditions which are conducive to the development and use of all water resources.”

Consistent and accurate data collection is requisite in establishing water use trends and implementing reasonable management strategies. Water use reporting outside of designated Capacity Use Areas has been historically voluntary. As of January 1, 2001, anyone withdrawing groundwater or surface water in excess of three (3) million gallons per month (in any month) must register and report that use annually to the South Carolina Department of Health and Environmental Control (Department). Registration and reporting is now a requirement of law and the Department has authority to take enforcement action against those not reporting.

## ***Purpose and Methodology***

The purpose of the annual South Carolina Water Use Report is to summarily present reported water use in South Carolina by county and use category during calendar year 2010. The Department maintains and continually updates the water use and facility databases utilized in this report. Water use data were collected by annual reporting of water use by registered users, as required and mandated by state law, and reported in millions of gallons unless stated otherwise.

## *South Carolina Climate*

The climate in South Carolina is affected by many factors, notably its location in the mid-latitudes and its proximity to the Appalachian Mountains and the Atlantic Ocean. During the summer, ocean current-driven air masses such as the Bermuda High routinely push tropical air from the Gulf of Florida upland from the coast. These warm, moist currents collide with cooler, drier air masses to generate rainfall, and at times, severe thunderstorms. In contrast, the Appalachian region in the northwest portion of the state experiences cooler temperatures, owing in part to upward lifting of air masses and subsequent cooling effect provided by the increase in altitude. Altitude change also causes the additional phenomenon of down-slope heating as air masses from the mountains settle and compress over the eastern Blue Ridge and Piedmont region. During the winter months, the highlands of the Blue Ridge escarpment deflect northerly cold air to the southwest, often lessening the impact of major cold fronts and winter storms.

The vast majority of the state is classified as humid subtropical except in the Blue Ridge physiographic province, where it is humid continental. Average temperature varies from the mid-50s °F in the mountains to low-60s °F along the coast. The average annual precipitation is approximately 48 inches, with an annual total in the mountains of 70 to 80 inches, an annual total in the Midlands of 42 to 47 inches and an annual total along the coast of 50 to 52 inches. According to the South Carolina State Climatology Office, no month in South Carolina averages less than two inches of precipitation, regardless of location within the state. Measurable snowfall is rare, occurring one to three times a year with accumulations seldom remaining more than a day or two. Since 1900 severe droughts have occurred statewide in 1925, 1933, 1954, 1977, 1983, 1986, 1990, 1993, 1998, and most recently 2007. The latest multiyear drought was one of the most severe in South Carolina's history, with average precipitation, groundwater levels, and stream flows at or near record lows. In 2009 the average statewide temperature was 62.2°F. The average rainfall for 2010 was below normal at 42.67 inches<sup>1</sup>.

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<sup>1</sup> Southeast Regional Climate Center, 1885-2010, "Monthly and Seasonal Climate Information"



## ***Geography and Physiography***

South Carolina has a distinct natural beauty and an ecological diversity covering nearly 31,189 square miles, with approximately 30,111 square miles land area, 1,078 square miles inland or coastal waterways and 135 miles of coastline. The diversity we experience is resultant of climatic conditions, geology and three major physiographic regions: the Blue Ridge, the Piedmont and the Coastal Plain (**Figure 1**). The physiographic regions exhibit variations in topography, geology, hydrology and vegetation that directly affect the quantity, quality and availability of water resources in South Carolina.

### **Blue Ridge**

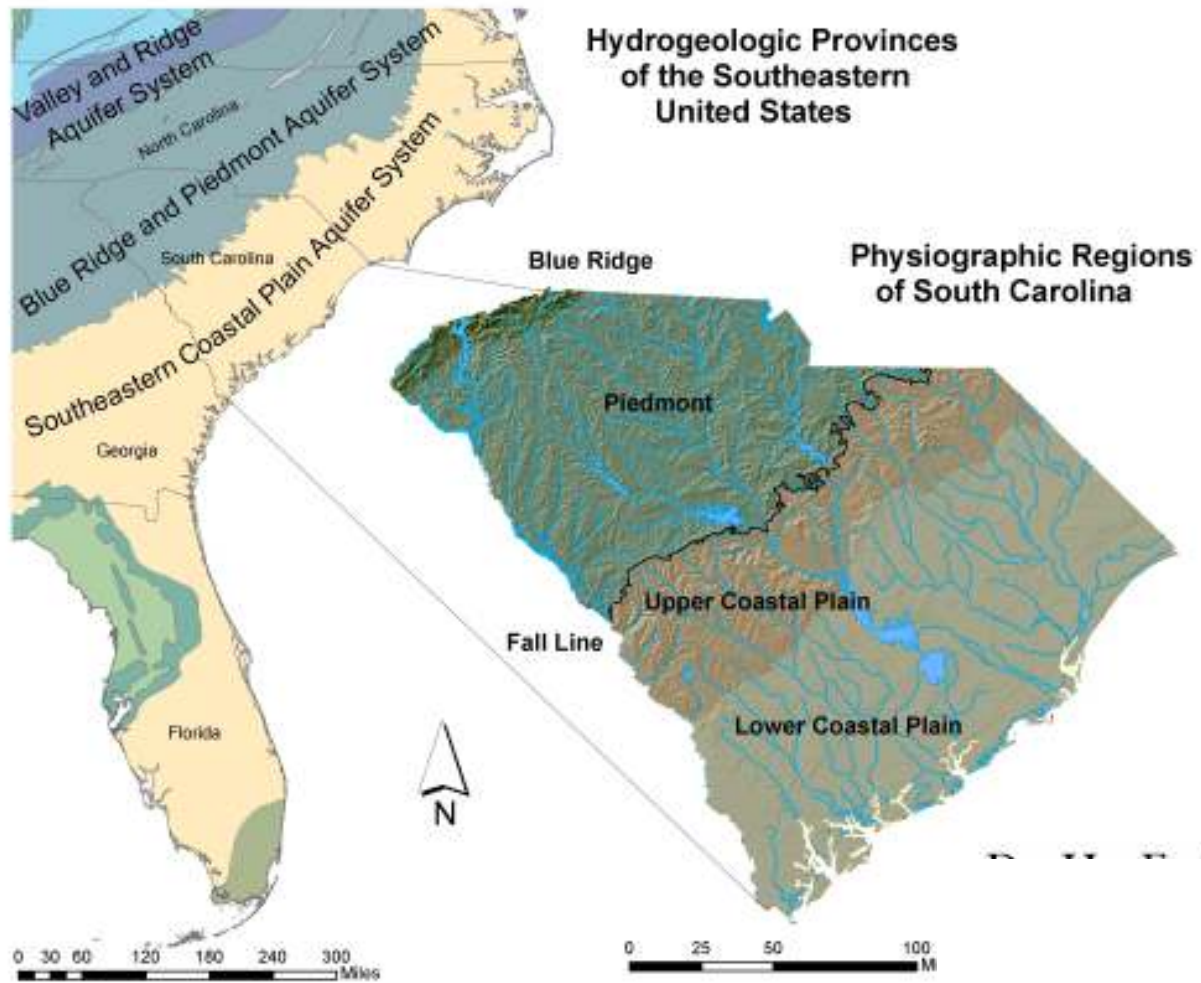
The Blue Ridge physiographic province is located in the extreme northwest portion of Oconee and Pickens counties, and is distinguished from other parts of South Carolina by greater elevations (1,000 – 3,300 feet) and surface relief. Dissected mountains, rugged hills and thick forest regions characterize the land surface. Surface water in the Blue Ridge takes the form of high gradient creeks and streams and natural or man-made lakes, while groundwater occurs in the fractures of the bedrock and a thin veneer of soil and saprolite overlying the bedrock. In general, water quality of streams and groundwater is excellent in the Blue Ridge owing to the constant replenishment from abundant local rainfall.

### **Piedmont**

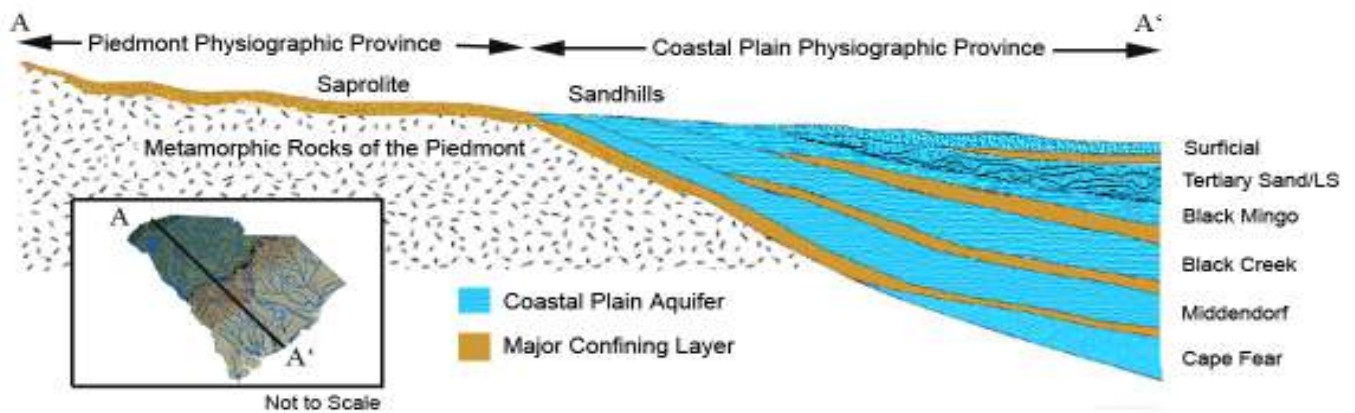
The Piedmont physiographic province includes all counties, or portions of counties, northwest of and to the Fall Line, exclusive of those counties within the Blue Ridge province. Although similar to the Blue Ridge, the region demonstrates lower topographic relief, and therefore lower gradient streams, while elevations range from between 450 to 1000 feet above sea level. Counties in the Piedmont and Blue Ridge physiographic provinces depend primarily on the abundant regional rainfall that recharges lakes, reservoirs and major river systems. These surface water bodies constitute the primary source of water for public supply, industry, agriculture, and power production in the Piedmont Region. Similar to the Blue Ridge Province, groundwater occurs in the fractures of the bedrock and overlying soil and saprolite, and is also of good quality, except in locations where man has impacted its chemical quality.

### **Coastal Plain**

The Coastal Plain physiographic province includes all counties, or portions of counties, extending from the Fall Line east to the Atlantic Ocean. Elevations of the exposed Coastal Plain range between 450 feet to sea level. Once below the Fall Line, rivers and streams assume a different character than those found in the Piedmont. Where streams once rolled across exposed Piedmont rocks and tumbled down the occasional stretch of whitewater, the Coastal Plain streams have a slower pace with quiet meandering river channels with adjacent wetlands common. Regional geology of the Coastal Plain is characterized by aquifers developed in layers of sands, silts, or high-permeability limestone confined by units of clay and silts or low-permeability limestone. The vast majority of South Carolina's water resources are contained as groundwater in the Coastal Plain, and in general, reliance on groundwater for irrigation, industrial uses, and public water supply increases dramatically east of the Fall Line. A generalized cross-section for the Coastal Plain aquifers is presented as **Figure 2**, and a brief outline of the major aquifers in South Carolina follows.



**Figure 1:** Hydrogeologic and Physiographic Setting for Water Use in South Carolina



**Figure 2:** Generalized Hydrogeologic Cross-Section from the Blue Ridge through the Lower Coastal Plain in South Carolina

## ***Groundwater Resources***

Groundwater resources are found throughout the subsurface of South Carolina in varying quantities, qualities, and depths that reflect the nature of the geologic materials that host the respective aquifers. The following is a brief description of the State's major groundwater resources.

### **Crystalline Rock Aquifer System of the Blue Ridge and Piedmont**

Geology of the Blue Ridge is typically characterized by clayey saprolite, ranging in depth from several feet to tens of feet, overlying metamorphic crystalline rock. The saprolite grades downward through a highly permeable transition zone to unaltered parent bedrock. Groundwater conditions of the bedrock are dependent on the number of fractures and degree of interconnection of the fracture systems. Groundwater moves slowly through the saprolite and discharges to surface water bodies, wells, or is released from storage to the underlying bedrock through fractures. Geology of the Piedmont is similar to that of the Blue Ridge, but the diminished relief allows for greater thickness of saprolite development. In general, wells in the Blue Ridge and Piedmont regions yield little water when compared to wells drilled in the Coastal Plain owing to the inherently low porosity and permeability of the crystalline rock present in the upstate.

### **Surficial Aquifer System**

Shallow sands that comprise the Surficial aquifer are among the youngest of the Coastal Plain sediments and are found exclusively in the Lower Coastal Plain (**Figure 1**). This system is capable of producing water in modest amounts for irrigation and private drinking water supply, but is susceptible to contamination due to its shallow, unconfined nature. The Surficial sands are highly influenced by local precipitation and river stage and are prone to dramatic water level declines during times of drought.

### **Tertiary Limestone/Sand Aquifer System (Floridan Aquifer System)**

In the southern half of the Coastal Plain, Tertiary aquifers consisting of sand grade southeastward into an ever thickening wedge of limestone. Development of the aquifer system is common in the Charleston, Dorchester, and Berkeley County area. Southwest of the Combahee and Salkehatchie Rivers, upper sections of the limestone become increasingly permeable owing to abundant voids created from dissolved marine fossils, and are capable of storing and supplying tremendous amounts of water. The upper, highly permeable zone is the most developed, supplying the majority of residential wells in Beaufort and Jasper Counties, and is the primary source of water for public supply, irrigation, and industry in the Low Country. This southern section of the Tertiary Limestone correlates regionally with the Upper Floridan Aquifer that extends from southern South Carolina to the southern keys of Florida.

### **Black Mingo Aquifer**

Development of the Black Mingo is common in the vicinity of Charleston, Dorchester, and Berkeley counties, but has been largely overlooked south of Dorchester County owing to the increasingly prolific nature of the more shallow Tertiary Limestone (Floridan Aquifer System). Like the majority of Coastal Plain sediments, the nature of the aquifer differs dramatically from one area to the next. In the Charleston area, the aquifer is composed of permeable sand and limestone, while within the Upper Coastal Plain the Black Mingo is often a poorly producing aquifer composed of fine silt and clay, and therefore is unused in favor of the Middendorf or Tertiary Sand Aquifer.

## **Pee Dee Aquifer**

The Pee Dee aquifer, where present, generally produces quality water at moderate rates. The aquifer matrix is composed of sand and silt separated by discontinuous intervals of clay. Development of the Pee Dee aquifer usually takes place in conjunction with the more prolific Black Creek aquifer and has become an excellent alternative to the often-overburdened Black Creek for many uses, especially irrigation. The Pee Dee aquifer is most utilized in the northeast portion of the State, with the most demand centered between Florence and Horry Counties.

## **Black Creek Aquifer**

Though present throughout much of the Coastal Plain, development of the Black Creek aquifer has been conducted primarily in the mid-to-northern portions of the Coastal Plain. The aquifer is composed of silt and fine sand with coarse sand in the Upper Coastal Plain. The Black Creek aquifer is an important source of water for public supply, irrigation, and industry from Marion County southeast to Georgetown County.

## **Middendorf Aquifer**

The Middendorf Aquifer is a prolific source of water throughout the majority of the coastal plain and consists of coarse-grained fluvial sands near the Fall Line that grade to fine-grained marine sands and clay in the northern and eastern Lower Coastal Plain. The majority of the Pee Dee region, including Chesterfield, Darlington, Florence, and Marlboro Counties, as well as Orangeburg and Sumter Counties rely heavily on the Middendorf for irrigation, public supply, and industrial use. In the past decade, use of the Middendorf has increased along the southern coast in areas such as Charleston County.

## **Cape Fear Aquifer**

Little information exists from this deep sand aquifer owing to the few wells that have penetrated the formation. In general, water quality from the Cape Fear aquifer is poor over much of its extent owing to ancient, unflushed seawater and extensive mineralization. In South Carolina, the Cape Fear aquifer is largely unused.

## ***Surface Water Resources***

South Carolina's land surface is drained by eight (8) major river basins, all of which are critical to public water supply, irrigation, industry, and/or power generation. These major watersheds are shown as **Figure 3**, and a brief description of each major watershed follows.

### **Broad River Basin**

The Broad River Watershed encompasses portions of North and South Carolina and drains the majority of Cherokee, Union, Spartanburg, and Greenville Counties. Portions of Chester, Fairfield, Richland and York counties are also included in the basin, and are drained by the Enoree, Pacolet, and Tyger Rivers, major tributary streams to the Broad River.

### **Catawba River Basin**

Similar to the Broad River Basin, the watershed of the Catawba River drains counties in North and South Carolina east of a hydrologic divide in York, Chester, and Fairfield Counties. All or portions of the following counties lie within the basin: Chester, Fairfield, Kershaw, Lancaster, Richland, Sumter and York. The Catawba basin hosts Lake Wylie, Fishing Creek Reservoir, Lake Wateree, the Catawba and Wateree Rivers and associated tributary streams.

### **Edisto River Basin**

The Edisto River Basin encompasses nearly all of Orangeburg County and portions of Aiken, Berkeley, Calhoun, Dorchester, and Lexington counties. The basin drains the central Coastal Plain and contains the North and South Forks of the Edisto River and tributaries, as well as numerous ecologically important wetland areas.

### **Pee Dee River Basin**

The Pee Dee River Basin is the largest of South Carolina's watersheds and drains all or portions of Chesterfield, Darlington, Dillon, Georgetown, Horry, Kershaw, Lancaster, Lee, Marion, Marlboro, Williamsburg counties, and portions of southeastern North Carolina. The Greater Pee Dee Watershed encompasses 5.1 million acres and includes the Pee Dee, Lynches, Waccamaw, and Sampit watersheds, as well as the Intracoastal Waterway and Winyah Bay.

### **Salkehatchie River Basin**

The Salkehatchie basin is located entirely in the Coastal Plain and drains portions of Bamberg, Barnwell, Beaufort, Colleton, Hampton, and Jasper counties. The Coosawhatchie, Salkehatchie and Little Salkehatchie Rivers, along with their associated tributaries and local wetlands drain the basin and form tide-dominated distributary channels near the coast.

### **Saluda River Basin**

The Saluda River Basin drains the central portion of South Carolina's Piedmont Region and encompasses major portions of Greenville and Pickens counties, as well as portions of Abbeville, Greenwood, Laurens, Lexington, Richland, and Saluda Counties. The basin includes all tributary streams to the Saluda River and Lakes Greenwood and Murray, the latter being a critical source for public water supply and hydroelectric power in central South Carolina.

## **Santee River Basin**

The Santee River basin originates near the confluence of the Congeree and Wateree Rivers and includes two of the State's largest reservoirs, Lake Marion and Lake Moultrie. These two major surface water resources are important power generating assets for the South Carolina. The basin drains Berkeley, Calhoun, Charleston, Clarendon, Dorchester, and small portions of Georgetown and Sumter Counties via tributaries of the Cooper, Santee and Ashley Rivers.

## **Savannah River Basin**

The Savannah River Basin stretches from the Blue Ridge to the Atlantic Ocean and encompasses the border counties of South Carolina. The watershed drains major portions of Abbeville, Aiken, Allendale, Anderson, Edgefield, Greenwood, Hapton, McCormick, Oconee, and Pickens County, as well as adjacent counties in Georgia. The watershed includes the Savannah, Chatooga, Seneca, Little River, Stevens Creek, Rocky, and Tugaloo Rivers, and discharges approximately 8.0 billion gallons per day.



**Figure 3: Major River Basins of South Carolina**

## ***Surface and Groundwater Use Summary by Source, Category and County in South Carolina, 2010***

The following section outlines all reported water use for the State of South Carolina for the calendar year 2010. Water use is summarized by category, (Appendix A). Where appropriate, the spatial distribution of the magnitude of water use is demonstrated on an accompanying map with a breakdown chart of groundwater and surface water use as a percentage of total use for the category.

### ***Reporting Water Withdrawers***

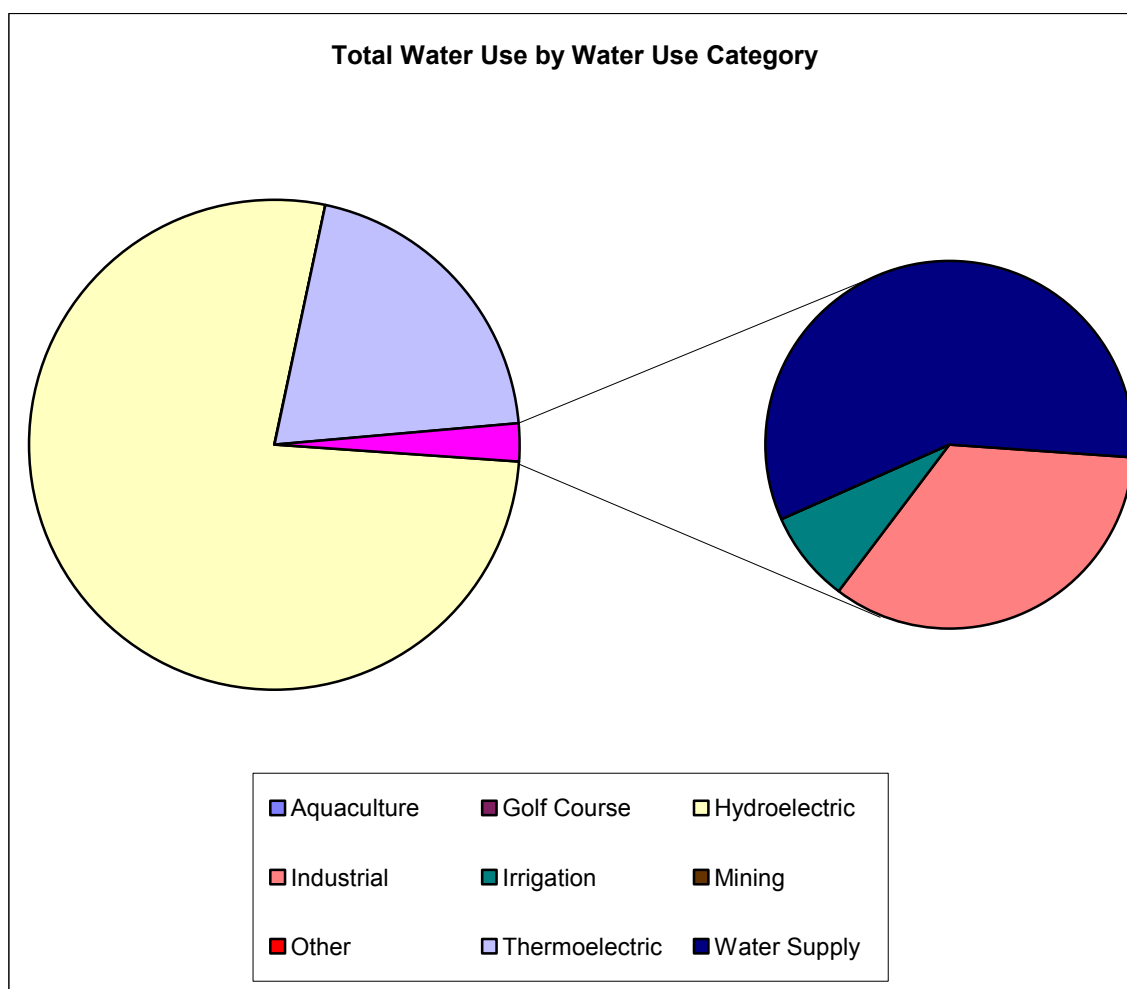
For the reporting year 2010, South Carolina had registered 860 water withdrawers with 2651 sources; 744 surface water sources and 1907 groundwater sources.

<b><i>Water Use Category</i></b>	<b><i>Facilities</i></b>	<b><i>Groundwater Sources</i></b>	<b><i>Surface Water Sources</i></b>
<i>Aquaculture</i>	6	11	3
<i>Golf Course</i>	251	253	272
<i>Hydroelectric</i>	29	1	30
<i>Industrial</i>	89	244	50
<i>Irrigation</i>	222	575	268
<i>Mining</i>	14	7	12
<i>Other</i>	6	24	1
<i>Thermoelectric</i>	19	15	29
<i>Water Supply</i>	224	777	79
<b><i>Total</i></b>	860	1907	744

## ***Total Reported Water Use***

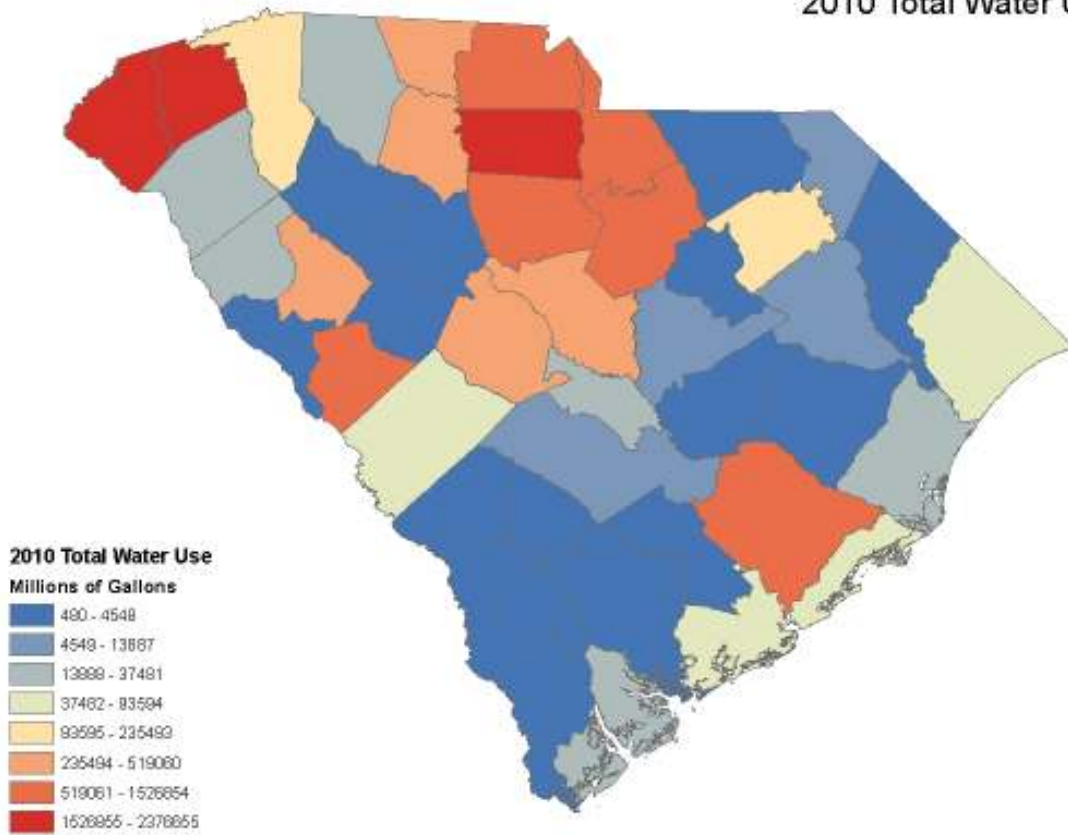
Total water use reported for 2010 was more than 15.96 trillion gallons from 860 reporting facilities. Surface water use accounted for approximately 15.88 trillion gallons, approximately 99.5% of total water use. Groundwater withdrawal accounted for approximately 78.42 billion gallons or approximately 0.5%.

<i><b>Water Use Category</b></i>	<i><b>Surface Water</b></i>	<i><b>Groundwater</b></i>	<i><b>Total</b></i>	<i><b>Percentage</b></i>
<i><b>Aquaculture</b></i>	403.44	215.766	619.206	0.00%
<i><b>Golf Course</b></i>	10524.2991	3910.025	14,434.32	0.09%
<i><b>Hydroelectric</b></i>	12323377.25	0.434	12,323,377.69	77.18%
<i><b>Industrial</b></i>	124883.418	8243.435	133,126.85	0.83%
<i><b>Irrigation</b></i>	10418.65	20755.9219	31,174.57	0.20%
<i><b>Mining</b></i>	934.347	2637.593	3571.94	0.02%
<i><b>Other</b></i>	4.53	54.953	59.48	0.00%
<i><b>Thermoelectric</b></i>	3,233,081.07	2016.641	3,235,097.71	20.26%
<i><b>Water Supply</b></i>	184138.664	40591.0078	224,729.67	1.41%
<i><b>Total</b></i>	15887765.67	78425.78	15,966,191.45	100.00%

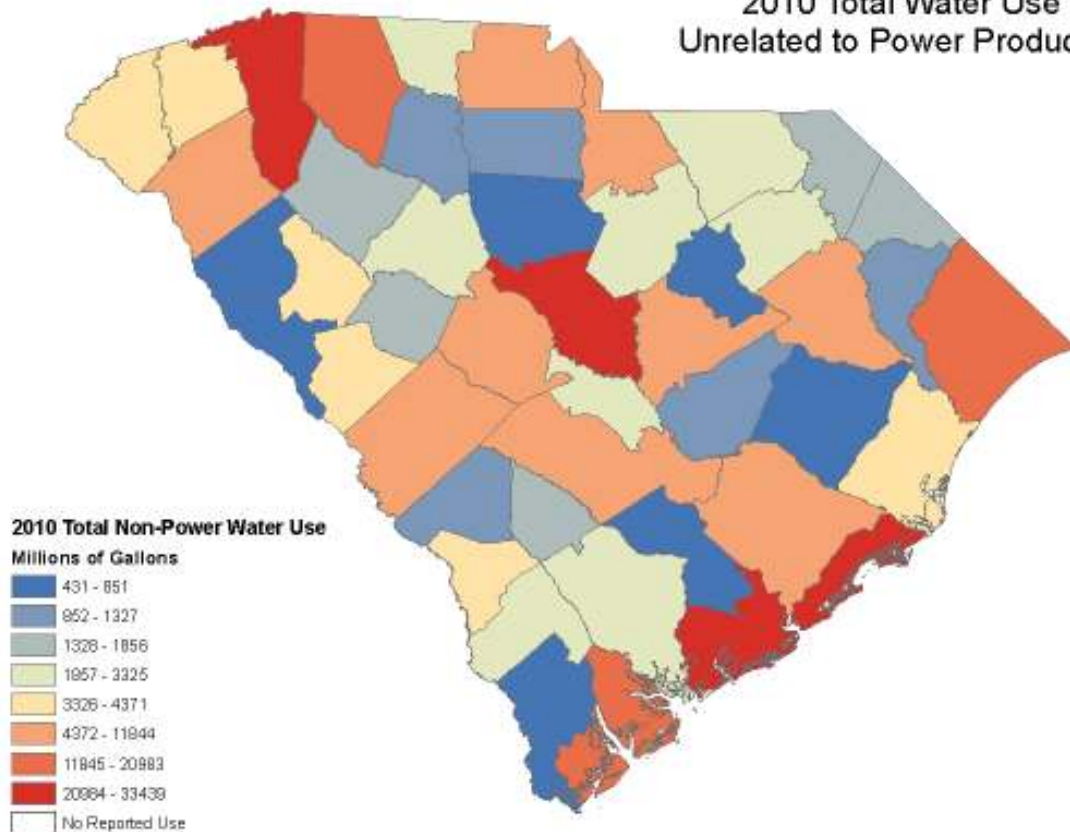




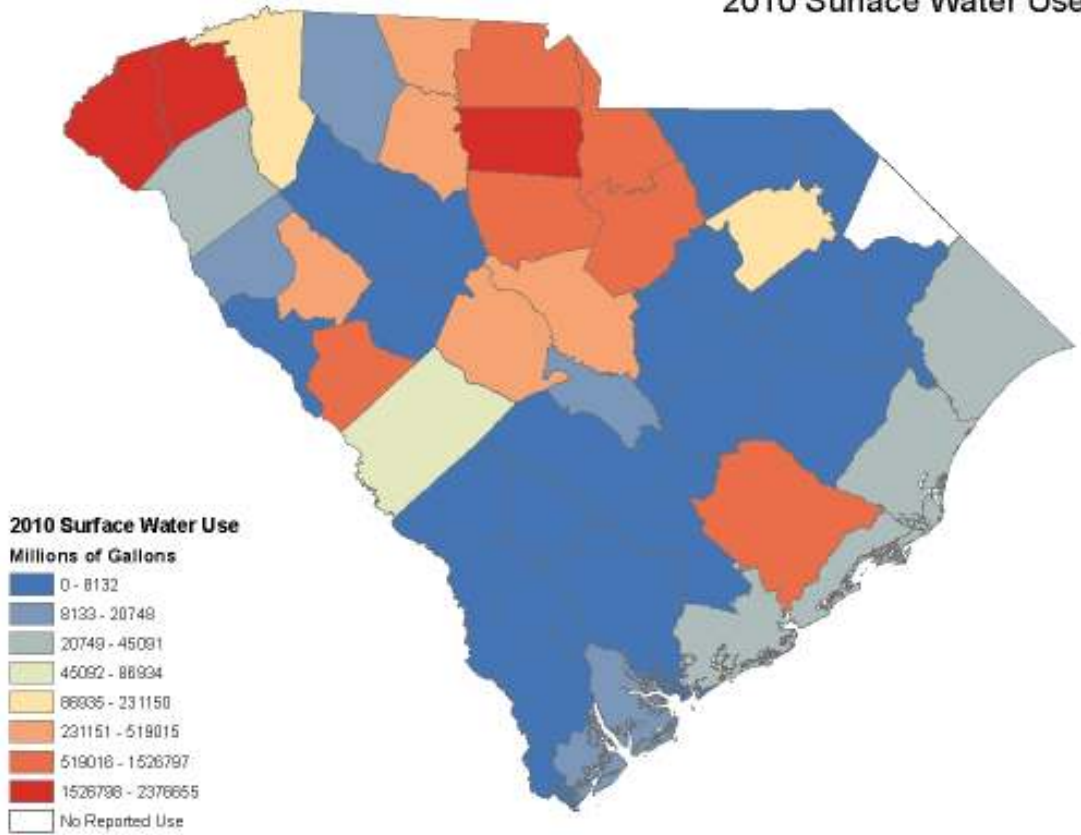
2010 Total Water Use



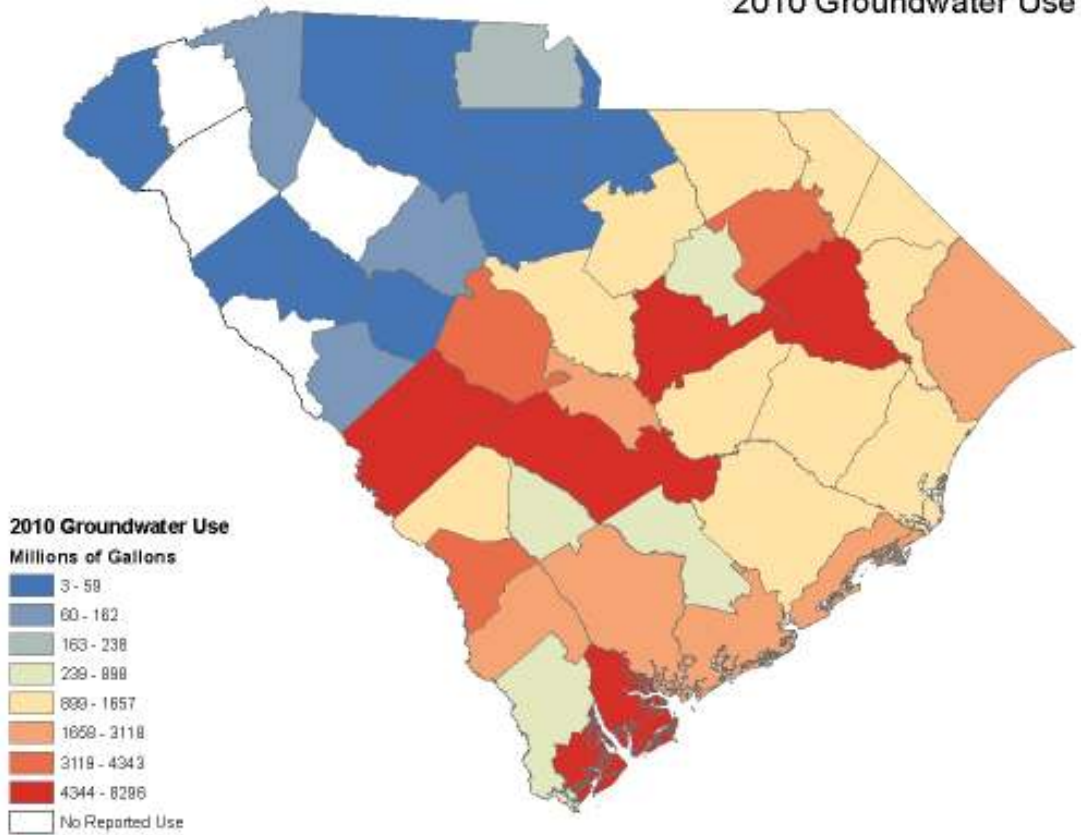
2010 Total Water Use  
Unrelated to Power Production



### 2010 Surface Water Use



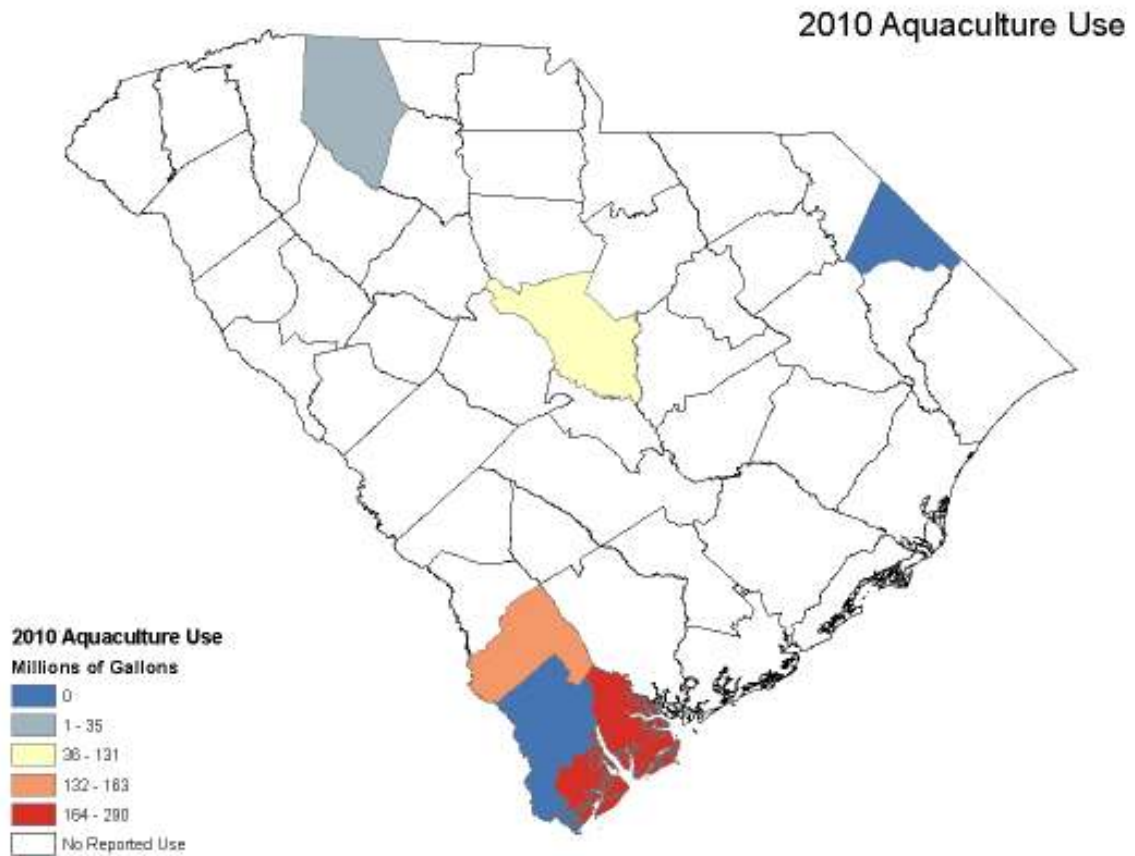
### 2010 Groundwater Use



## *Water Use by Category*

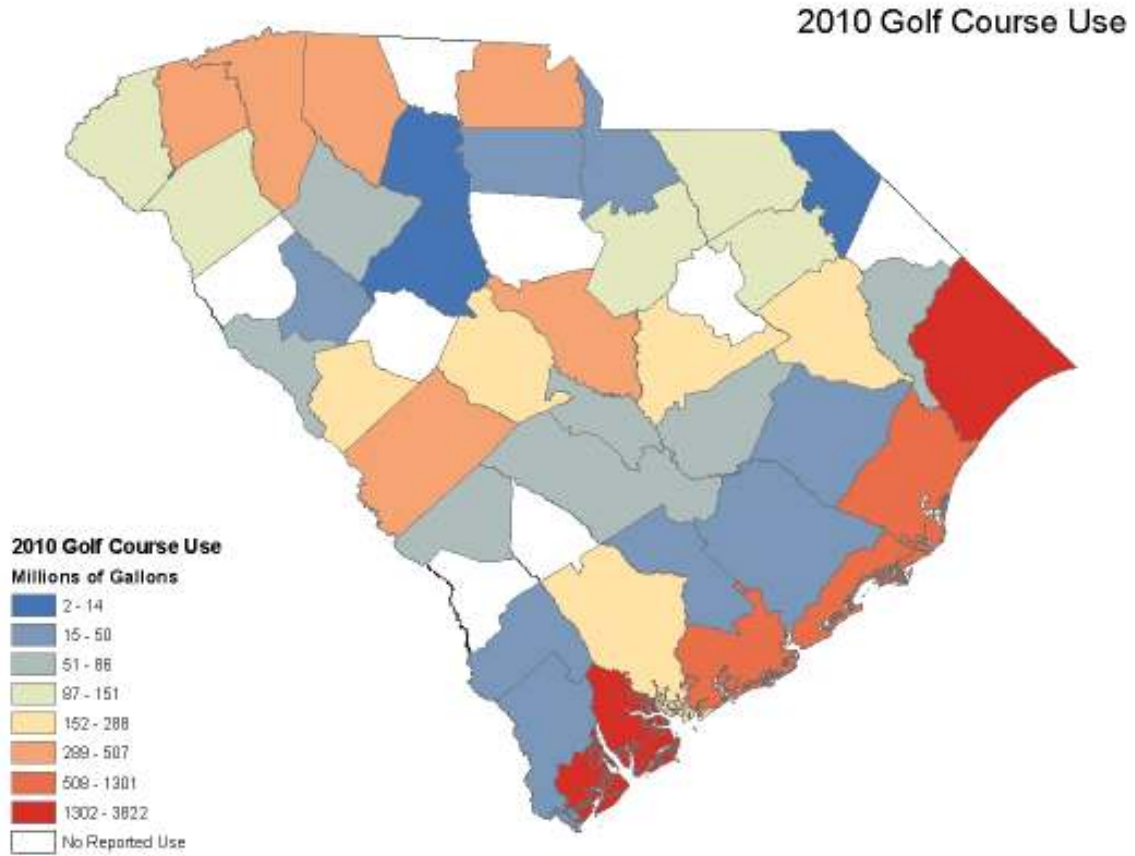
### *Aquaculture Use*

Water withdrawal from 6 reporting aquaculture-farming facilities totaled 619.2 Million gallons, with 3 surface water sources accounting for 403.4 million gallons and 11 groundwater sources accounting for 215.8 million gallons.



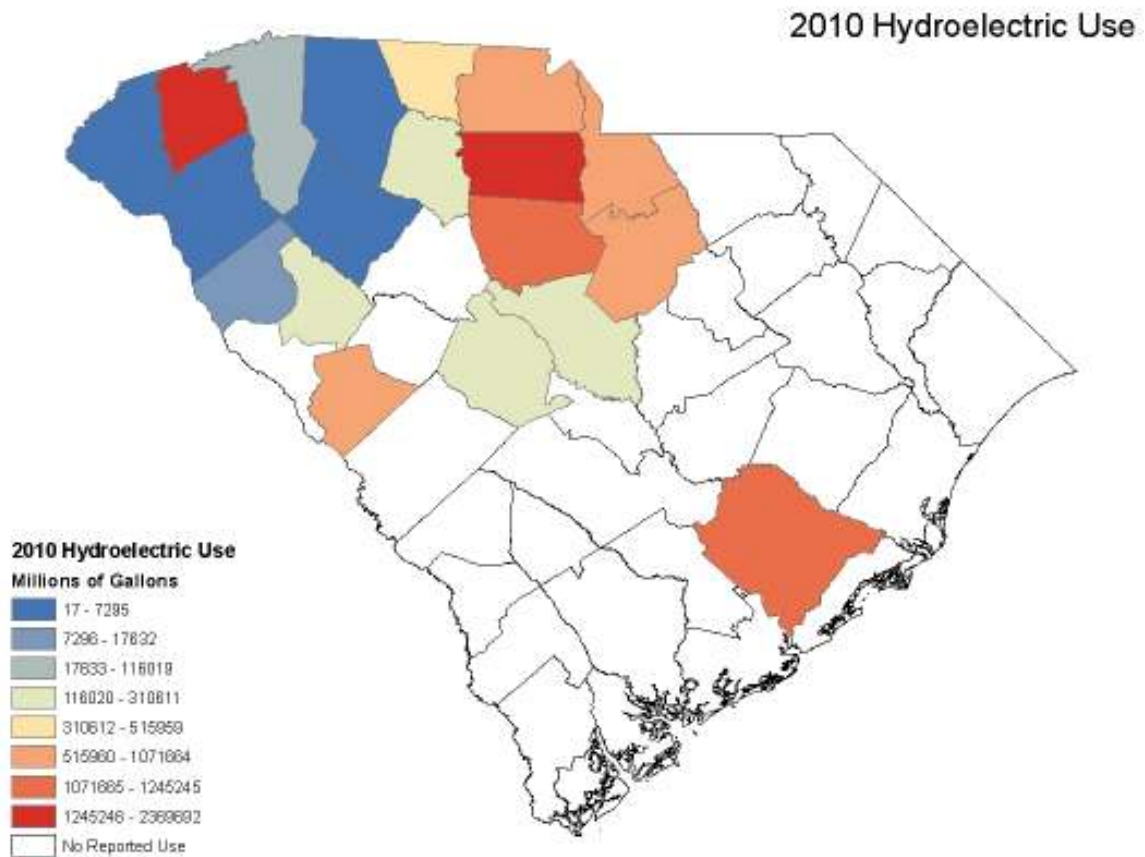
## *Golf Course Use*

Water withdrawal from 251 reporting courses for golf course irrigation totaled 14.4 billion gallons, with 272 surface water sources accounting for 10.5 billion gallons and 253 groundwater sources accounting for 3.9 billion gallons.



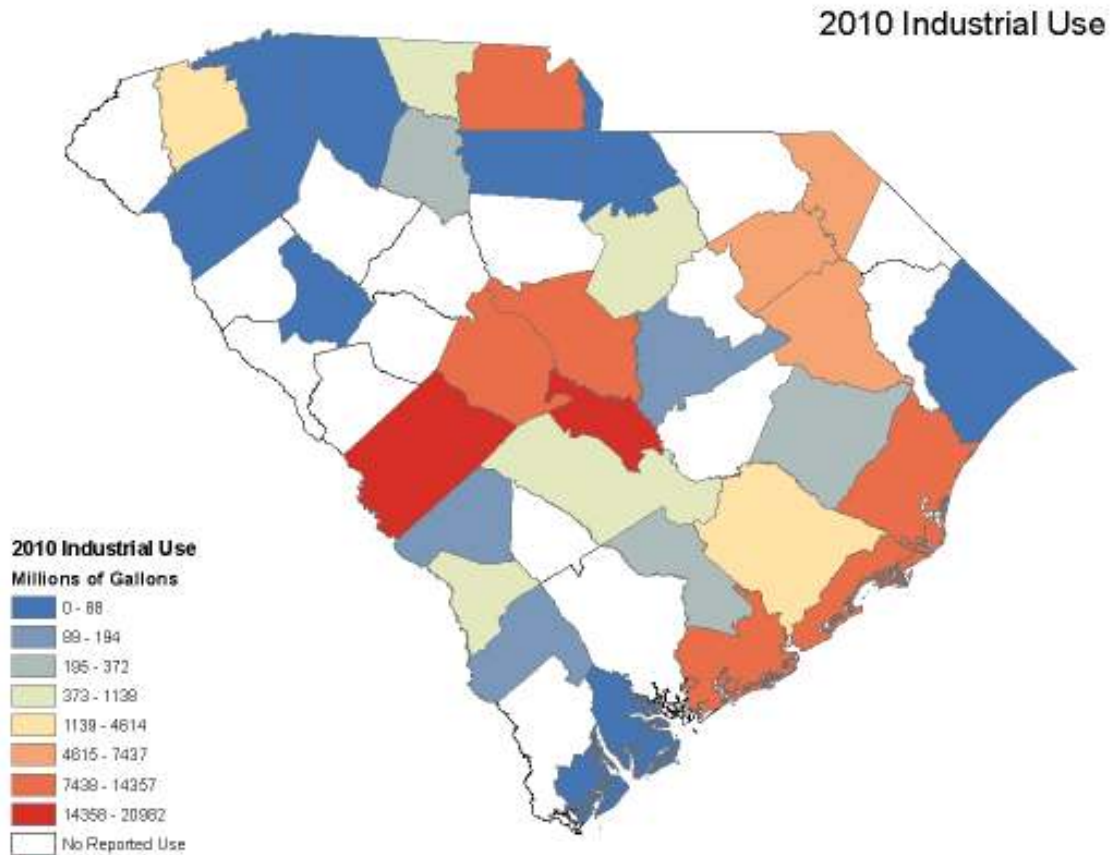
## Hydroelectric Water Use

Hydroelectric facilities employ energy from flowing water to generate electricity. Hydroelectric facilities utilize *impoundments* (reservoirs), *diversion* (run-of river), or *pumped storage* (reversible turbines). Water use is typically non-consumptive flow-through, with temporary diversion from down stream users. Reported water use for 30 hydroelectric sources accounted for approximately 12.32 trillion gallons.



## *Industrial Use*

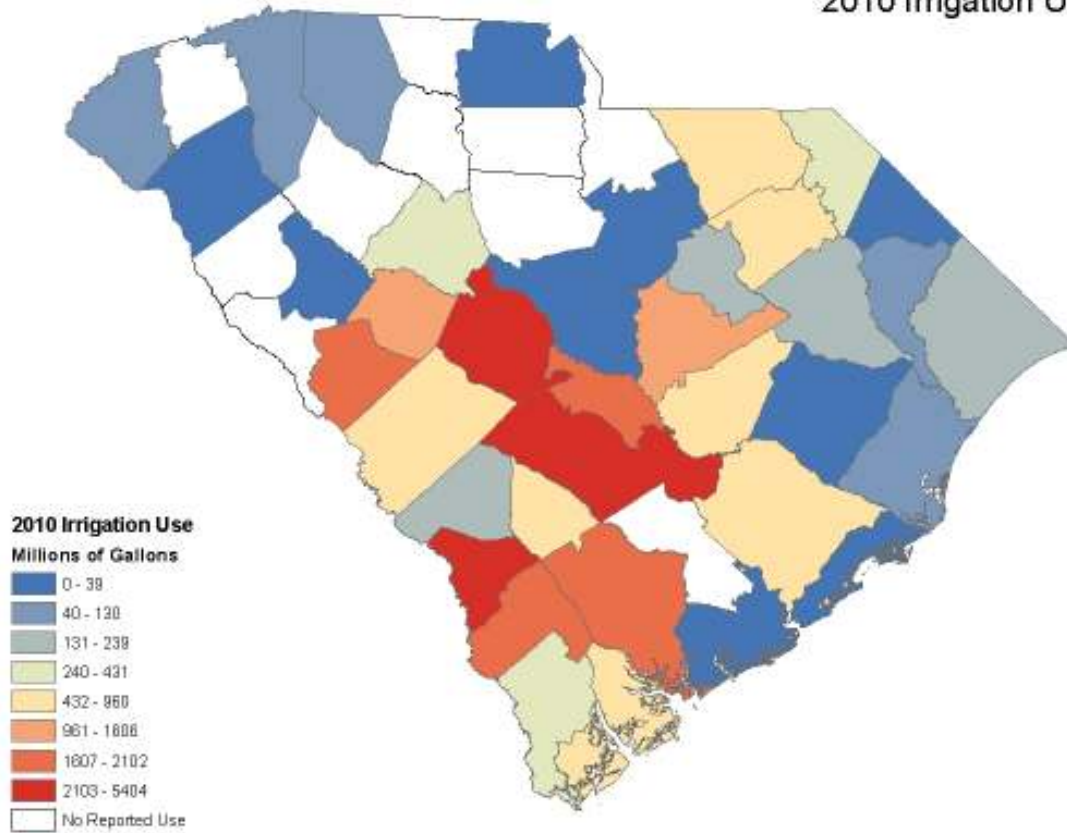
Water withdrawal for industrial use from 89 reporting industries totaled 133.12 billion gallons, with 50 surface water sources accounting for 124.88 billion gallons and 244 groundwater sources accounting for 8.24 billion gallons. Water use at industrial facilities is predominantly cooling water (contact and non-contact) with return to surface water systems through permitted NPDES discharges



## *Irrigation Use*

Water withdrawal for irrigation use from 222 reporting entities totaled 31.17 billion gallons, with 268 surface water sources accounting for 10.42 billion gallons and 575 groundwater sources accounting for 20.76 billion gallons

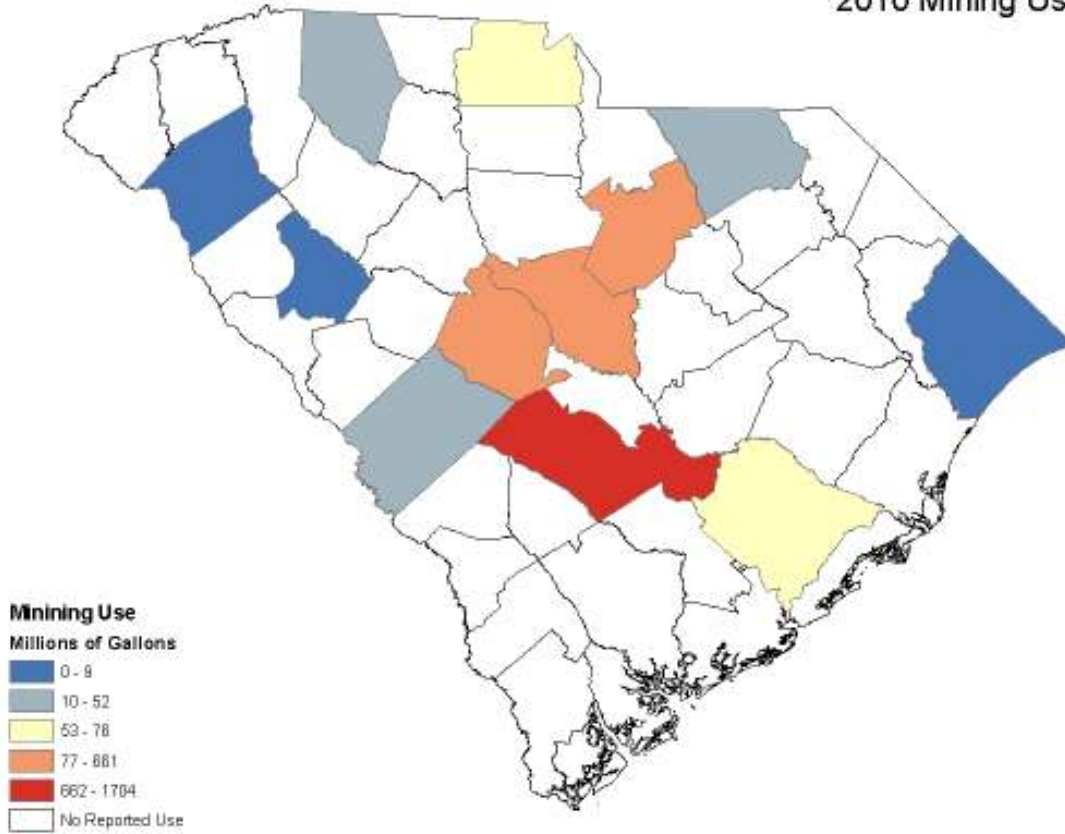
2010 Irrigation Use



## *Mining*

Water withdrawal associated with mining activities at 14 reporting facilities totaled 3.57 billion gallons, with 12 surface water sources accounting for 934.35 million gallons and 7 groundwater sources accounting for 2.64 billion gallons.

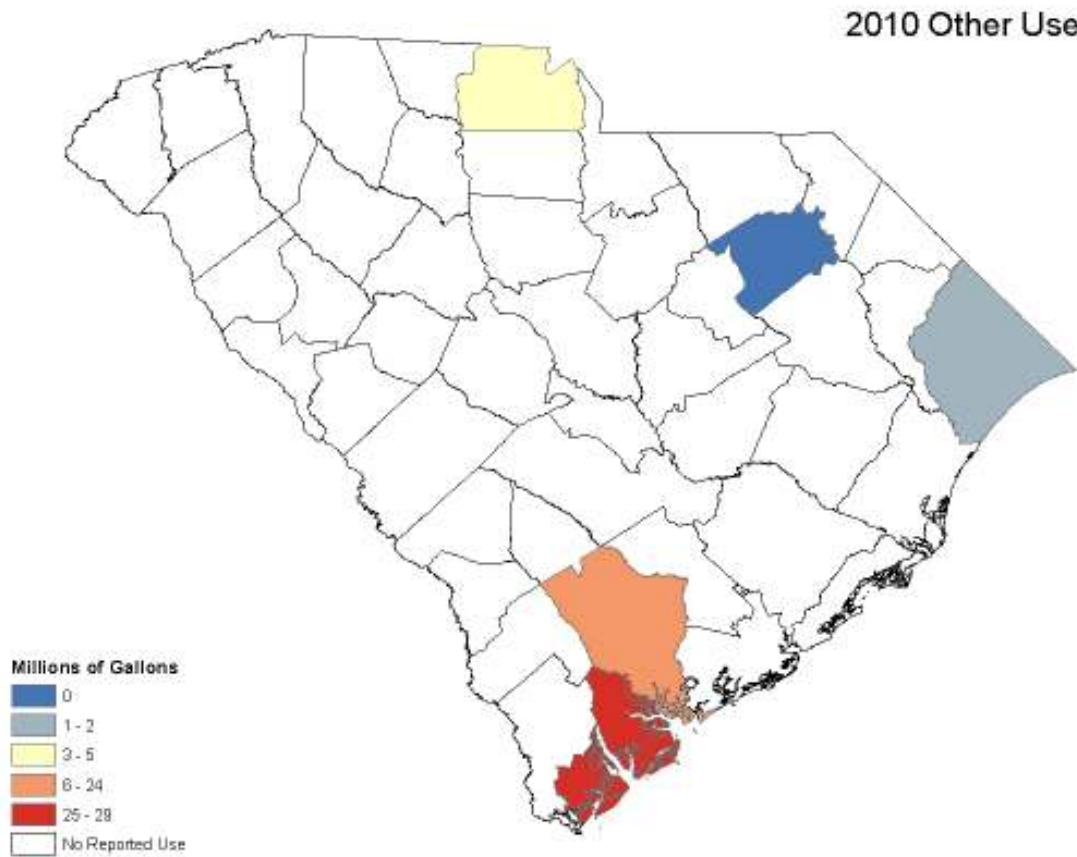
2010 Mining Use





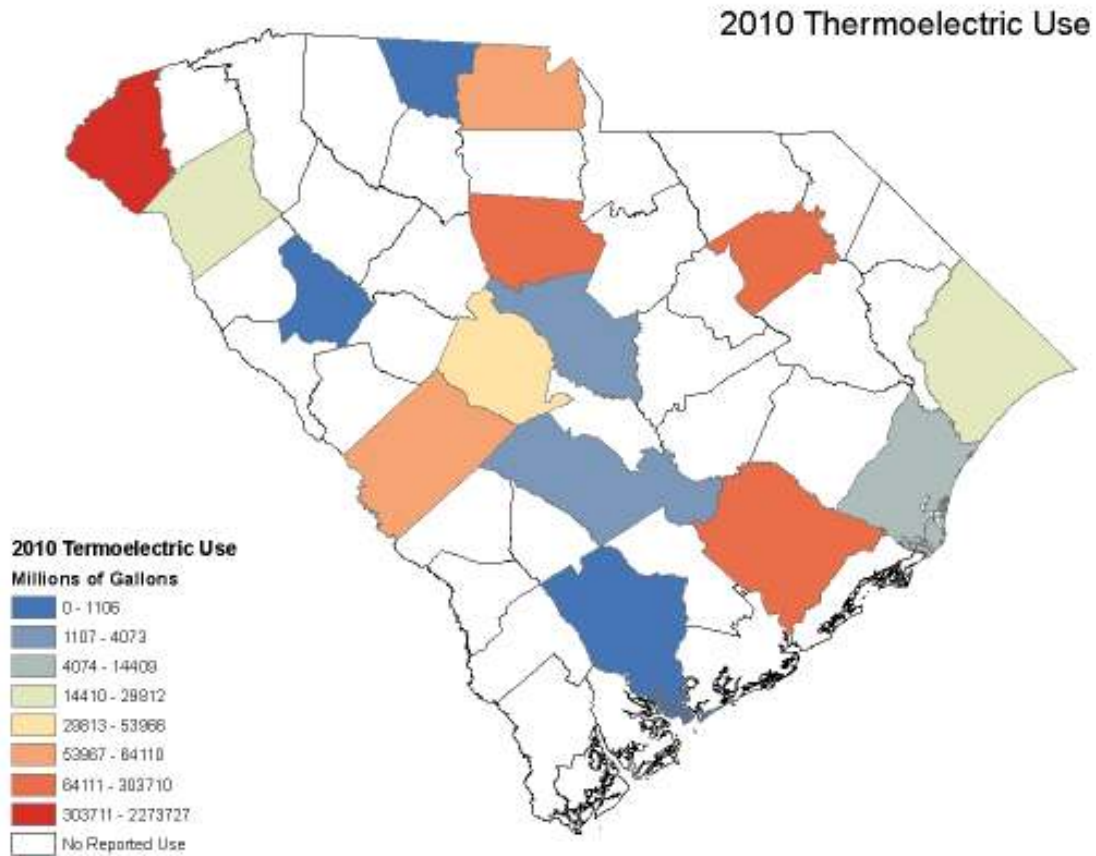
## *Other Uses*

Water withdrawal for other, non-specific use from 6 reporting facilities totaled 59.48 million gallons, with 24 groundwater source accounting for 54.95 million gallons and 1 surface water source accounting for 4.53 million gallons.



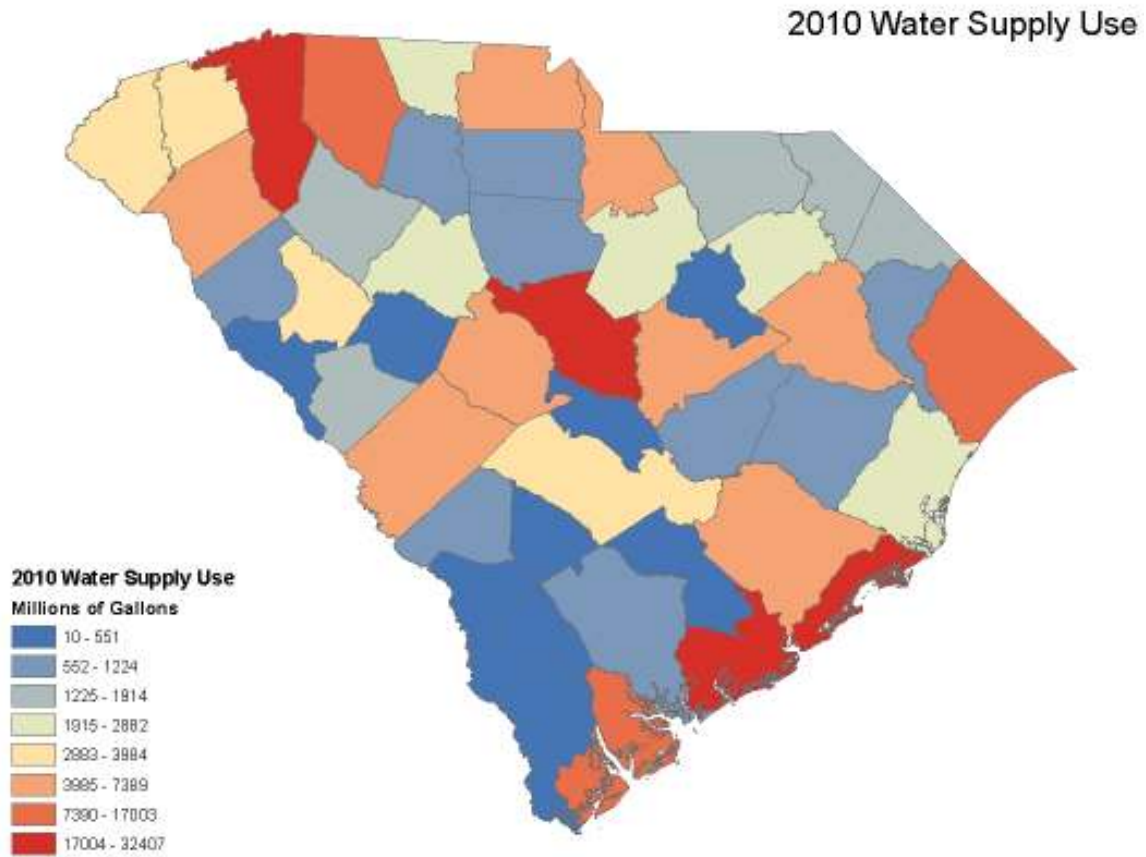
## *Thermoelectric Water Use*

Thermoelectric facilities generate electricity by superheating water to steam then passing the steam under pressure to turbines. Boilers are fired by coal, nuclear power or residual fuel oil. Large volumes of cooling water are required to condense the steam to the liquid state. Reported water use for 19 thermoelectric facilities accounted for than 3.24 trillion gallons, with 15 groundwater source accounting for 2.02 billion gallons and 29 surface water sources accounting for 3.23 trillion gallons.

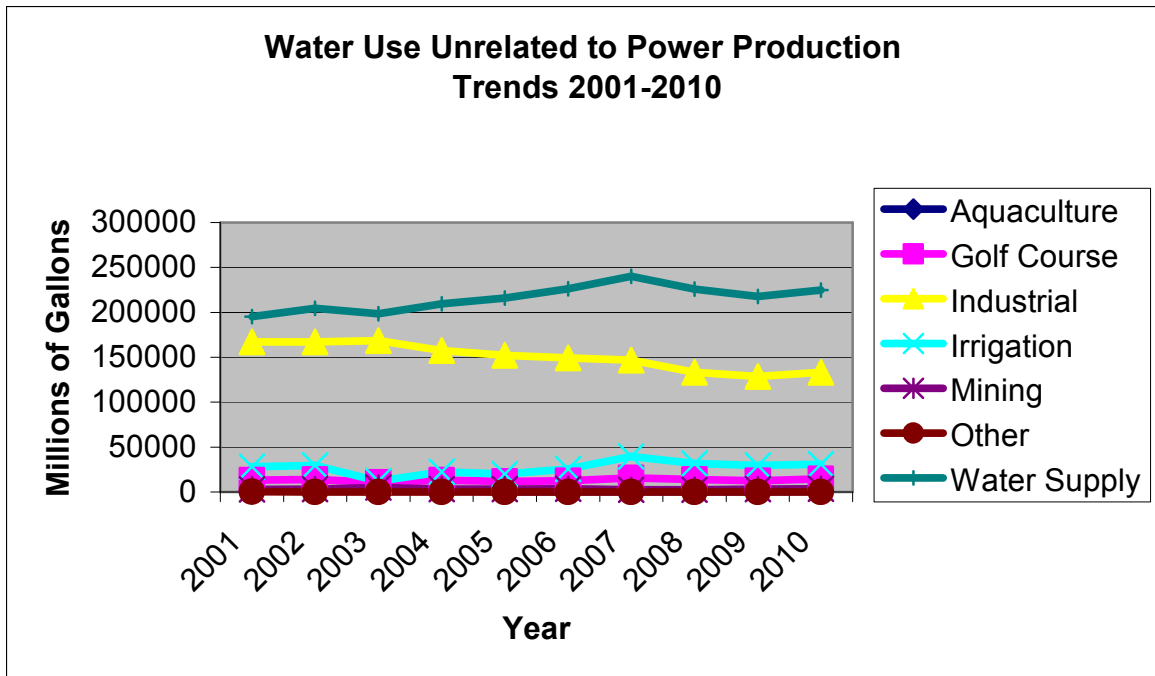
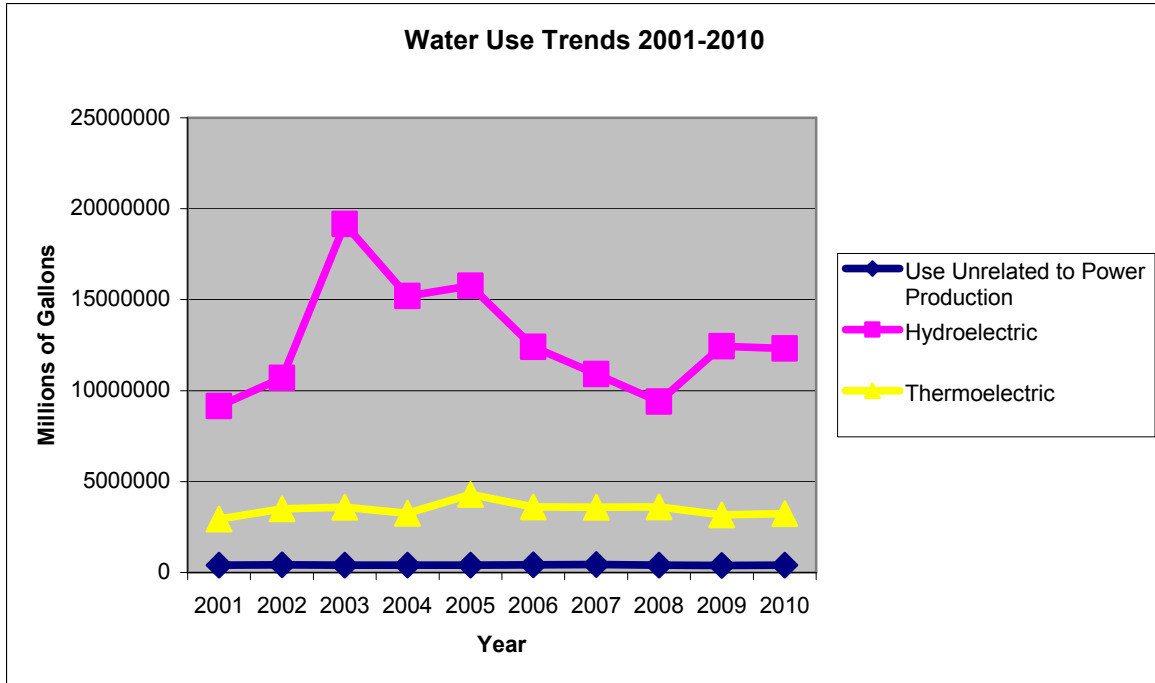


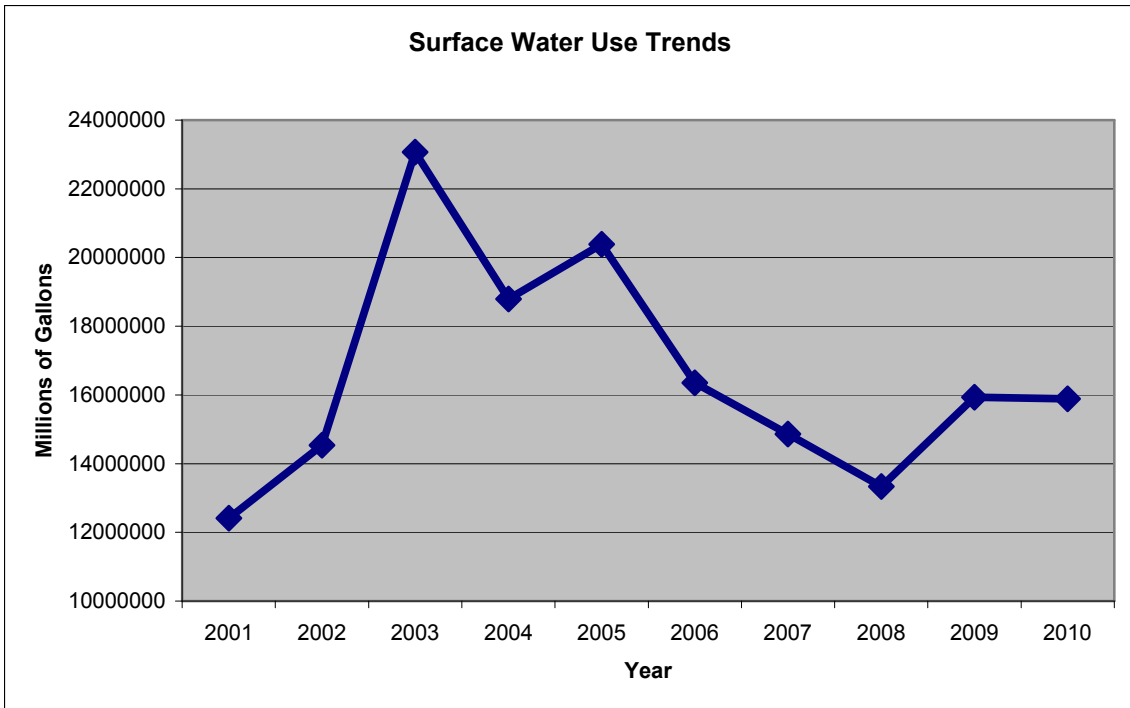
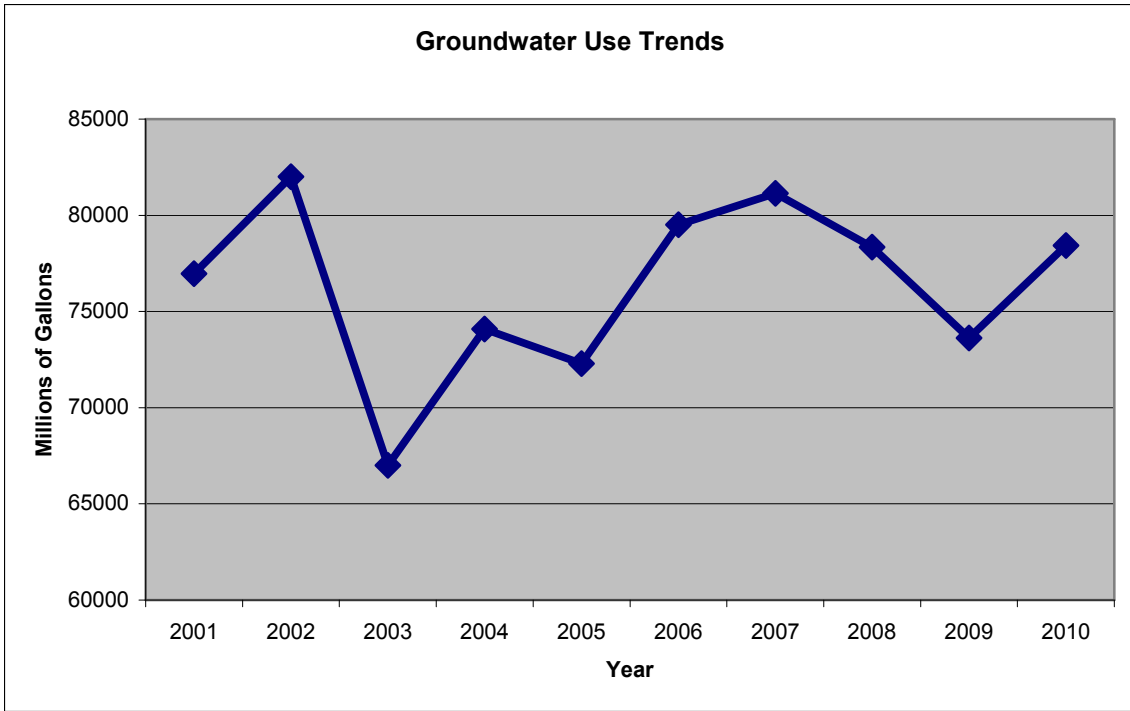
## *Water Supply*

Water withdrawal for public water supply from 224 reporting suppliers totaled 224.73 billion gallons, with 79 surface water sources accounting for 184.14 billion gallons and 777 groundwater sources accounting for 40.59 billion gallons



## Water Use Trends





***Appendix A: Surface and Groundwater Use Summary Table***

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Abbeville	Groundwater	Water Supply	3.165	0.205	0.168	0.259	0.283	0.275	0.273	0.326	0.288	0.316	0.309	0.228	0.235
Abbeville	Surface Water	Hydroelectric	17632	3332	3340	2639	1812	1347	1564	398	178	426	965	481	1150
Abbeville	Surface Water	Water Supply	795.478	57.766	54.996	58.69	59.427	62.4	69.681	75.047	75.892	74.773	75.027	65.233	66.546
Aiken	Groundwater	Golf Course	51.87	0.609	0.783	1.643	2.165	5.436	9.46	5.63	8.064	4.87	3.994	5.4	3.816
Aiken	Groundwater	Industrial	1004.778	77.09	59.617	82.46	97.842	94.368	86.516	88.317	95.248	86.984	84.388	76.423	75.525
Aiken	Groundwater	Irrigation	315.25	3.8	3.9	7	45.2	60.6	66.3	52.3	42.55	13.4	11.2	5.4	3.6
Aiken	Groundwater	Mining	33.408	0	6.912	12.096	2.88	11.52	0	0	0	0	0	0	0
Aiken	Groundwater	Water Supply	5218.388	362.672	321.149	357.847	487.04	508.844	495.374	504.824	490.714	506.499	469.392	374.997	339.036
Aiken	Evaporation	Thermoelectric	0.234	0.003	0.002	0.001	0.018	0.024	0.063	0.036	0.032	0.027	0.017	0.003	0.008
Aiken	Surface Water	Golf Course	283.754	0.24	1.276	12.29	34.461	35.803	33.967	48.549	22.438	51.87	26.185	16.017	0.658
Aiken	Surface Water	Industrial	19940.715	1753.12	1535.12	1662.395	1534.12	1503.12	1432.12	2111.12	2234.12	1525.12	1644.12	1484.12	1522.12
Aiken	Surface Water	Irrigation	428	10	15	20	30	58	70	74	56	40	30	15	10
Aiken	Surface Water	Thermoelectric	64110	6209	5837	1455	3975	4847	8142	7977	8279	6992	3465	1475	5457
Aiken	Surface Water	Water Supply	2170.996	106.556	83.449	100.131	199.461	247.974	251.018	265.131	224.72	269.08	201.106	117.269	105.101
Allendale	Groundwater	Industrial	733.04	63.53	63.2	64.97	57.53	69.05	67.45	61.58	63.45	55.45	63.89	51.34	51.6
Allendale	Groundwater	Irrigation	2683.804	0.492	0.488	43.593	186.81	331.018	391.713	433.004	495.171	434.974	239.623	114.789	12.129
Allendale	Groundwater	Water Supply	464.771	36.585	33.102	36.291	40.795	40.269	42.798	43.499	39.361	41.857	37.961	35.163	37.09
Allendale	Surface Water	Irrigation	666.73	0	0	22.2	25.2	127.35	152.9	93.68	129.3	90.1	24.9	1.1	0
Anderson	Evaporation	Thermoelectric	526	40	24	10	15	35	71	133	125	45	0	0	28
Anderson	Surface Water	Golf Course	110.054	1.068	1.617	5.634	10.932	13.568	15.86	18.456	18.718	13.254	7.498	2.834	0.615
Anderson	Surface Water	Hydroelectric	263.649	36.927	39.802	37.528	29.619	29.203	27.087	13	11.628	6.147	7.065	8.61	17.033
Anderson	Surface Water	Industrial	46.44	3.5	3.14	4.4	3.6	3.6	4.1	4.1	4	3.6	4	5	3.4
Anderson	Surface Water	Irrigation	22.8	0	0	0	0	1.5	4.3	5.7	6.1	2.8	2.4	0	0
Anderson	Surface Water	Mining	0	0	0	0	0	0	0	0	0	0	0	0	0
Anderson	Surface Water	Thermoelectric	29285.678	3501.529	2326.625	899.073	1752.915	3501.503	5250.588	3949.692	3132.071	1589.094	99.145	146.686	3136.757
Anderson	Surface Water	Water Supply	7226.237	571.886	493.598	540.512	621.789	641.879	664.827	695.913	682.021	673.038	563.59	551.373	525.811
Bamberg	Groundwater	Irrigation	408.649	0	1.3	7.5	30.087	65.324	80.752	79.692	67.635	52.461	13.174	8.656	2.068

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Bamberg	Groundwater	Water Supply	489.817	45.5	36.654	41.058	41.477	48.832	49.412	49.612	44.874	35.032	31.344	31.268	34.754
Bamberg	Surface Water	Irrigation	551.719	5.2	8.048	14.467	36.873	71.189	95.357	114.535	67.049	51.726	31.81	36.514	18.951
Barnwell	Groundwater	Industrial	158.2	13.4	12.1	13.4	13	13.4	13	13.5	13.5	13.1	13.4	13	13.4
Barnwell	Groundwater	Irrigation	129.75	0	0	0	6.3	10.7	33.95	59.2	15.6	4	0	0	0
Barnwell	Groundwater	Water Supply	768.215	49.504	46.295	58.287	69.977	76.747	77.124	79.817	71.773	77.386	54.148	52.846	54.311
Barnwell	Surface Water	Golf Course	75.366	0.65	0.4	6.2	8.946	10	10.5	12	13.3	8.2	4.34	0.43	0.4
Barnwell	Surface Water	Irrigation	109.6	0	0	0.9	8.9	22.6	24.9	26.1	17.9	7.1	1.2	0	0
Beaufort	Groundwater	Aquaculture	22.936	0.001	0.001	1.721	3.001	3.002	3.002	1.302	1.302	1.301	2.301	3.001	3.001
Beaufort	Groundwater	Golf Course	1432.1975	9.7595	14.143	48.131	138.022	164.921	212.807	207.608	151.817	174.587	137.784	124.11	48.508
Beaufort	Groundwater	Industrial	37.63	2.993	2.778	3.314	3.364	3.219	3.471	3.274	3.419	3.053	3.119	2.736	2.89
Beaufort	Groundwater	Irrigation	595.667	0.02	0.14	29.395	88.814	163.098	171.026	44.259	32.559	41.759	20.987	2.647	-0.037
Beaufort	Groundwater	Other	28.76	3.33	1.34	2.09	1.79	2.48	2.96	2.63	2.62	2.27	2.29	2.39	2.57
Beaufort	Groundwater	Water Supply	4645.5044	239.824	188.123	251.97	417.526	469.046	512.735	615.997	507.1914	443.426	429.265	316.659	253.742
Beaufort	Surface Water	Aquaculture	267	9.2	9.2	9.2	9.2	9.2	9.2	35.7	35.7	35.7	34.5	35.7	34.5
Beaufort	Surface Water	Golf Course	1787.002	41.996	41.086	85.941	181.948	192.238	228.42	255.401	182.447	199.038	185.043	131.701	61.743
Beaufort	Surface Water	Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
Beaufort	Surface Water	Water Supply	9034.321	418.493	413.029	466.712	615.757	841.58	851.31	1037.985	907.528	968.362	983.478	800.231	729.856
Berkeley	Groundwater	Golf Course	12.5	0	0	0	2	2	2	2	2	2	0.5	0	0
Berkeley	Groundwater	Hydroelectric	0.434	0.036	0.034	0.03	0.043	0.057	0.061	0.028	0.034	0.026	0.027	0.029	0.029
Berkeley	Groundwater	Industrial	1027.05	89.972	80.198	93.182	77.087	93.548	90.308	87.268	99.707	93.472	55.41	82.39	84.508
Berkeley	Groundwater	Irrigation	0.24	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Berkeley	Groundwater	Thermoelectric	14.136	2.347	1.087	1.346	1.298	1.15	1.068	1.649	1.241	1.019	0.748	0.622	0.561
Berkeley	Groundwater	Water Supply	61.16	5.715	4.761	4.694	5.209	5.023	4.77	5.316	5.487	4.779	5.131	4.848	5.427
Berkeley	Evaporation	Thermoelectric	1.943	0.136	0.175	0.256	0.303	0.187	0.253	0.194	0.174	0.065	0	0.065	0.135
Berkeley	Surface Water	Golf Course	12.5	0	0	0	2	2	2	2	2	2	0.5	0	0
Berkeley	Surface Water	Hydroelectric	1245244.4	108847.07	93083.85	132329.63	99034.72	105002.18	99578.02	102496.15	103417.74	91395.786	102816.71	99657.65	107584.9
Berkeley	Surface Water	Industrial	3586.889	268.096	255.517	295.364	292.969	300.782	313.001	340.917	337.478	302.558	291.72	295.89	292.597
Berkeley	Surface Water	Irrigation	886.77	36.39	47.76	42.36	74.91	106.3	104.95	98.59	103.99	93.2	79.53	52.19	46.6



County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Berkeley	Surface Water	Mining	75.978	0	0	0	0	12.096	18.144	9.072	15.12	8.064	6.3	4.41	2.772
Berkeley	Surface Water	Thermoelectric	176722.406	16865.898	15338.71	17967.585	17931.61	13312.172	18761.06	18755.877	18426.143	9561.361	1601.246	8307.373	19893.37
Berkeley	Surface Water	Water Supply	6517.7	514	438.9	492.3	525.3	605.9	611.7	614.3	560.5	572.6	558.6	510.7	512.9
Calhoun	Groundwater	Golf Course	35.1	0.7	0.7	1.2	2	3.2	4.5	8.6	7.8	4.5	0.9	0.4	0.6
Calhoun	Groundwater	Industrial	157.39	12.748	11.876	13.772	14.217	13.022	13.101	12.487	14.554	12.259	12.184	14.358	12.812
Calhoun	Groundwater	Irrigation	1889.298	0	0.2	16.65	122.23	271.621	446.122	449.819	197.326	137.209	123.665	82.857	41.599
Calhoun	Groundwater	Water Supply	277.741	22.718	18.201	19.655	23.413	25.726	24.892	24.806	23.269	26.241	22.647	24.827	21.346
Calhoun	Surface Water	Golf Course	34.8	0.4	0.4	0.5	3	4.5	7.6	7.8	5	3.9	0.8	0.5	0.4
Calhoun	Surface Water	Industrial	19912.684	1433.497	1295.083	1391.49	1575.835	1754.725	1922.284	2085.743	2072.105	1875.287	1779.325	1473.089	1254.221
Calhoun	Surface Water	Irrigation	113.999	0	0	0	3.781	13.971	28.848	34.134	22.288	10.077	0	0.9	0
Charleston	Groundwater	Golf Course	627.322	4.116	3.625	10.923	54.258	66.584	91.13	92.025	86.984	75.18	56.789	63.382	22.326
Charleston	Groundwater	Industrial	77.548	6.943	5.579	6.063	6.93	7.282	6.653	6.695	5.84	6.093	6.26	6.83	6.38
Charleston	Groundwater	Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
Charleston	Groundwater	Water Supply	1541.112	74.791	64.346	75.66	144.091	184.938	212.938	166.12	139.164	171.813	133.908	99.404	73.939
Charleston	Surface Water	Golf Course	400.162	3.97	4.235	14.584	47.645	53.139	56.432	53.891	42.302	54.477	39.88	22.724	6.883
Charleston	Surface Water	Industrial	10190.353	803.995	732.304	777.123	810.237	853.391	865.515	837.685	1130.916	938.083	822.681	795.25	823.173
Charleston	Surface Water	Irrigation	4.7	0	0	0	0.4	0.6	0.75	0.2	0.75	0.75	0.75	0.5	0
Charleston	Surface Water	Water Supply	30865.762	2411.572	2053.124	2213.504	2418.327	2646.472	2822.704	2873.673	2826.332	2984.421	2733.724	2451.509	2430.4
Cherokee	Groundwater	Thermoelectric	0	0	0	0	0	0	0	0	0	0	0	0	0
Cherokee	Groundwater	Water Supply	44.95	4.025	3.55	4.075	4.075	3.925	2.325	3.875	3.925	3.75	3.825	3.775	3.825
Cherokee	Surface Water	Hydroelectric	515959	63120	65496	68293	57965	50648	40568	23787	32618	17229	25597	27126	43512
Cherokee	Surface Water	Industrial	600.32	52.32	40.87	49.34	45.96	55.07	60.47	54.99	55.29	47.35	44.7	43.4	50.56
Cherokee	Surface Water	Water Supply	2455.5	171.2	157.5	177.4	180.4	206.4	230.5	236.6	232	236.7	213.6	233.5	179.7
Chester	Groundwater	Golf Course	25.6	0	0	0	0	6.4	6.4	6.4	6.4	0	0	0	0
Chester	Groundwater	Industrial	6.295	1.358	1.166	0.479	0.081	0.091	0.076	0.077	0.125	0.085	0.086	0.278	2.393
Chester	Surface Water	Golf Course	14	0	0	0	2.1	1	2.6	2.8	1.8	2.5	0.8	0.4	0
Chester	Surface Water	Hydroelectric	1822153	326514	337561	233047	184637	120119	134841	100972	89610	74851	55722	49718	114561
Chester	Surface Water	Industrial	23.903	2.271	1.205	0.931	0.713	0.883	0.956	3.457	2.766	2.95	3.328	1.945	2.498
Chester	Surface Water	Water Supply	974.42	85.35	78.07	79.14	73.92	81.14	78.35	87.52	85.74	86.48	80.56	74.27	83.88

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Chesterfield	Groundwater	Irrigation	617.229	5.168	7.253	15.799	82.463	92.732	109.373	58.967	61.788	92.58	80.023	8.863	2.22
Chesterfield	Groundwater	Mining	52.135	5.242	3.991	3.274	0.451	3.667	7.783	6.156	4.469	3.094	5.767	3.895	4.346
Chesterfield	Groundwater	Water Supply	987.679	78.47	65.256	69.113	79.646	83.592	91.238	89.702	89.098	89.575	86.233	78.3	87.456
Chesterfield	Surface Water	Golf Course	105.099	0.221	0.2	1.662	10.881	11.978	15.009	16.924	17.782	16.643	11.076	2.591	0.132
Chesterfield	Surface Water	Irrigation	40	0	0	0	4	4	4	4	8	8	8	0	0
Chesterfield	Surface Water	Water Supply	926.725	69.814	61.598	71.843	74.34	81.844	85.477	83.105	88.392	86.164	80.267	73.113	70.768
Clarendon	Groundwater	Golf Course	30.53	0.87	0.71	0.84	3.24	4.11	3.57	4.51	3.27	3.31	2.78	1.98	1.34
Clarendon	Groundwater	Irrigation	508.218	6.779	6.384	11.832	14.818	48.367	48.851	47.207	58.588	57.271	60.828	80.555	66.738
Clarendon	Groundwater	Water Supply	689.624	61.488	54.749	54.109	56.033	62.075	60.283	61.82	58.573	59.309	55.687	51.444	54.054
Clarendon	Surface Water	Golf Course	55.86	1.34	1.16	2.97	5	6.17	9.12	8.66	7.85	5.22	5.06	1.98	1.33
Clarendon	Surface Water	Irrigation	42.72	0.663	0.794	1.844	4.938	4.679	6	6.662	6.529	4.548	2.966	2.176	0.921
Colleton	Groundwater	Golf Course	86	0	1.3	3.6	12.6	9.9	12	13.5	6.6	19.3	2.1	2.1	3
Colleton	Groundwater	Irrigation	2098.4	0.3	23.5	80.5	149.7	299.4	334.1	336.5	301	282.5	253.4	37.3	0.2
Colleton	Groundwater	Other	24.15	0.12	0.23	0.06	0.07	2.05	4.29	3.95	0.03	1.7	3.53	3.89	4.23
Colleton	Groundwater	Water Supply	909.657	56.08	57.707	55.979	74.705	83.817	95.879	98.226	85.741	80.185	78.867	71.898	70.573
Colleton	Surface Water	Golf Course	202.3	9.3	8.1	10.8	13.2	13.3	20.5	31.5	26.6	21.9	25.2	10.2	11.7
Colleton	Surface Water	Irrigation	4	0	0	0	1	1	1	1	0	0	0	0	0
Colleton	Surface Water	Thermoelectric	1106.222	67.284	5.184	6.264	31.644	88.992	159.732	150.811	219.51	167.994	69.444	119.491	19.872
Darlington	Groundwater	Golf Course	56.36	0	0	0	4.6	7.8	8	9.9	9.97	8.49	6	1.2	0.4
Darlington	Groundwater	Industrial	1212.955	115.159	97.23	99.336	101.581	108.81	96.194	111.544	90.96	94.963	105.463	87.575	104.14
Darlington	Groundwater	Irrigation	291.064	1.522	0.862	1.212	7.372	39.075	57.881	125.19	39.914	11.596	3.84	1.54	0.06
Darlington	Groundwater	Nuclear Power	364.206	30.806	27.821	30.833	30.012	30.979	30.054	31.083	31.035	29.942	30.851	29.834	30.956
Darlington	Groundwater	Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Darlington	Groundwater	Water Supply	2418.784	196.176	175.771	195.42	207.502	231.495	225.813	209.677	202.727	208.967	192.293	179.324	193.619
Darlington	Evaporation Increased	Nuclear Power	1966.59	234.942	250.647	230.376	50.206	46.881	53.362	137.765	307.506	252.679	68.289	106.864	227.073
Darlington	Surface Water	Golf Course	94.295	0.08	0.79	4.578	6.16	12.259	12.04	16.755	15.359	9.9	11.187	2.887	2.3
Darlington	Surface Water	Industrial	5394.829	444.643	381	398.578	387.448	425.984	481.451	493.151	436.138	471.144	461.759	553.949	459.584
Darlington	Surface Water	Irrigation	313.246	0.627	0.502	1.217	5.77	24.03	67.3	100.55	72.28	26.04	8.84	5.35	0.74

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Darlington	Surface Water	Nuclear Power	223381	25337	23083	23525	6039	4017	4416	16524	25913	24862	21097	23095	25473
Dillon	Groundwater	Aquaculture	0	0	0	0	0	0	0	0	0	0	0	0	0
Dillon	Groundwater	Irrigation	38.8	0	0	0	0	1.2	6.1	16.4	13.7	1.4	0	0	0
Dillon	Groundwater	Water Supply	1572.03	127.911	111.525	123.913	125.832	135.516	135.142	136.399	140.445	131.951	124.742	124.227	154.427
Dorchester	Groundwater	Golf Course	11	0	0	0	1	1.5	0	3	2	2	1.5	0	0
Dorchester	Groundwater	Industrial	332.692	24.309	19.05	21.801	25.833	27.523	35.237	33.344	30.668	33.575	29.163	25.189	27
Dorchester	Groundwater	Water Supply	404.121	30.278	28.536	32.295	33.926	39.312	40.427	34.202	37.42	37.232	31.326	27.979	31.188
Dorchester	Surface Water	Golf Course	16	0	0	0	2	3	0	4	3	2	2	0	0
Dorchester	Surface Water	Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0
Edgefield	Groundwater	Golf Course	143.65	0	0	0	8.45	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
Edgefield	Groundwater	Irrigation	18	0	0	0	2	4	4	6	2	0	0	0	0
Edgefield	Surface Water	Golf Course	39	0	0	2	5	5	6	6	5	5	5	0	0
Edgefield	Surface Water	Hydroelectric	993249.85	100784.18	111394	120044.11	80298.94	78813.23	84703.71	79934.41	100003.51	59774.69	56883.54	62602.02	58013.47
Edgefield	Surface Water	Irrigation	2053.31	0	11.5	75.2	174	262.15	362	393.1	354.06	239.8	125.5	51	5
Edgefield	Surface Water	Water Supply	1709.05	116.48	91.48	102.02	140.15	160.47	165.47	165.88	178.82	161.1	172.74	143.77	110.67
Fairfield	Groundwater	Water Supply	56.3901	4.9	4.222	4.142	4.295	5.367	5.3551	5.443	5.444	4.988	4.32	3.931	3.983
Fairfield	Evaporation	Nuclear Power	5236.739	444.764	401.723	444.764	430.417	444.764	430.417	444.764	444.764	430.417	444.764	430.417	444.764
Fairfield	Surface Water	Hydroelectric	1222293.2	112222.01	88460.72	128886.17	127620.5	131379.52	125802.7	91864.54	118694.85	87997.27	70826.75	59387.63	79150.52
Fairfield	Surface Water	Nuclear Power	298472.812	25350.028	22896.87	25349.093	24531.77	25349.836	24532.58	25350.486	25349.617	24532.383	25349.803	24531.2	25349.14
Fairfield	Surface Water	Water Supply	794.608	58.39	43.484	46.034	53.488	64.988	72.676	72.133	69.706	68.669	59.91	54.004	131.126
Florence	Groundwater	Golf Course	73.832	1.832	1.093	2.345	10.941	9.956	7.311	7.299	10.355	9.506	7.598	4.031	1.565
Florence	Groundwater	Industrial	436.812	16.39	12.551	34.381	31.323	40.518	33.642	40.875	44.735	45.492	43.375	48.681	44.849
Florence	Groundwater	Irrigation	91.748	1.3	1.299	1.348	5.485	13.622	18.45	14.733	7.113	12.513	7.393	5.536	2.956
Florence	Groundwater	Water Supply	5152.175	398.638	341.135	361.358	433.291	413.618	389.888	540.176	549.377	538.839	437.017	364.411	384.427
Florence	Surface Water	Golf Course	174.845	0.317	0.125	0.726	26.86	26.844	20.393	24.663	24.262	30.492	15.06	4.722	0.381
Florence	Surface Water	Industrial	7000.401	532.35	500.67	545.627	547.616	584.005	595.457	628.729	655.591	631.883	604.845	572.32	601.308
Florence	Surface Water	Irrigation	105	0	0	0	14	32	27	30	0	0	0	2	0
Florence	Surface Water	Water Supply	851.93	97.18	92.7	99.16	56.4	108.23	121.94	20.3	9.41	27.96	74.64	74.53	69.48

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Georgetown	Groundwater	Golf Course	32.29	0	0	0	1.4	5.1	8.7	7.99	3.1	2.8	1.4	0.9	0.9
Georgetown	Groundwater	Industrial	118.082	9.265	9.636	3.022	2.083	6.732	12.413	15.314	16.041	10.897	8.525	8.776	15.378
Georgetown	Groundwater	Irrigation	6	0	0	0	3	0	0	3	0	0	0	0	0
Georgetown	Groundwater	Water Supply	925.812	73.594	65.42	87.244	76.758	80.807	74.5	76.463	76.091	75.433	79.696	75.879	83.927
Georgetown	Surface Water	Golf Course	1269.153	39.223	40.197	45.787	126.416	166.754	168.356	143.223	133.627	152.946	115.726	86.416	50.482
Georgetown	Surface Water	Industrial	14238.76	1146.62	1012	859.32	1086.28	1270.29	1283.71	1321.96	1300.81	1244.46	1200.2	1206.39	1306.72
Georgetown	Surface Water	Irrigation	124.485	1.988	2.833	4.206	10.391	15.411	19.974	22.248	21.289	10.168	7.524	4.936	3.517
Georgetown	Surface Water	Thermoelectric	14409.083	270.405	139.44	177.038	167.175	304.56	518.1	453.54	384.9	433.14	65.775	11178.57	316.44
Georgetown	Surface Water	Water Supply	1956.064	130.097	107.287	121.558	158.7	185.633	206.663	216.713	197.195	185.586	160.154	143.233	143.245
Greenville	Groundwater	Golf Course	31.674	0.294	0.498	0.702	1.882	2.882	4.772	5.672	4.952	5.059	3.467	0.926	0.568
Greenville	Groundwater	Industrial	71.332	5.186	6.598	7.594	7.735	6.776	6.401	5.326	5.868	5.021	4.215	5.365	5.247
Greenville	Groundwater	Water Supply	23.6	1.8	1	1.2	1.6	2.3	2.5	2.8	2.3	2.6	2	1.7	1.8
Greenville	Surface Water	Golf Course	475.824	3.238	6.792	23.613	35.936	42.687	77.349	77.932	82.384	71.086	39.799	11.294	3.714
Greenville	Surface Water	Hydroelectric	116019	15710	16079	14768	14391	13608	12633	5156	6097	2604	2780	4857	7336
Greenville	Surface Water	Irrigation	83.69	0	0	1	5	5	15.48	21.87	17.34	12	5	1	0
Greenville	Surface Water	Water Supply	25298.2	1733.57	1531.36	1710.6	2102.59	2246.08	2406.66	2797.4	2417.22	2545.62	2337.77	1864.25	1605.08
Greenwood	Groundwater	Golf Course	0.067	0.001	0.001	0.001	0.002	0.006	0.011	0.013	0.014	0.011	0.005	0.001	0.001
Greenwood	Groundwater	Industrial	4.335	0.077	0.077	0.155	0.232	0.387	0.542	0.697	0.697	0.697	0.542	0.155	0.077
Greenwood	Groundwater	Irrigation	1.2	0.04	0.04	0.1	0.15	0.2	0.2	0.15	0.1	0.1	0.04	0.04	0.04
Greenwood	Groundwater	Water Supply	0	0	0	0	0	0	0	0	0	0	0	0	0
Greenwood	Surface Water	Golf Course	47.45	0	0	1.817	5.355	5.903	9.168	8.43	9.662	5.162	1.953	0	0
Greenwood	Surface Water	Hydroelectric	288415.097	55775.12	54783.39	27104.46	21716.25	22793.352	23701.15	9294.417	16472.651	8171.706	9402.61	13574.98	25625.02
Greenwood	Surface Water	Industrial	1.255	0.003	0.003	0.002	0.164	0.217	0.002	0.301	0.003	0.165	0.01	0.228	0.157
Greenwood	Surface Water	Mining	8.5	0	0	0	0	0	0	0	0	0	0	7	1.5
Greenwood	Surface Water	Thermoelectric	85.256	9.955	8.964	10.864	10.401	10.765	9.306	5.704	4.988	1.519	1.58	4.504	6.706
Greenwood	Surface Water	Water Supply	3918.72	296.681	257.61	285.102	311.336	343.453	379.915	402.671	358.772	353.099	338.59	292.72	298.771
Hampton	Groundwater	Aquaculture	162.83	4.65	9.85	17.7	25.7	9.7	20.28	16.85	24.2	17	9.85	3.7	3.35
Hampton	Groundwater	Golf Course	40	0.1	0.1	0.3	3.6	5.9	7.4	7	6.4	6.8	1.5	0.6	0.3
Hampton	Groundwater	Industrial	193.9	8.9	8.3	10	10.5	13.6	15.4	15.9	41.6	18.1	16.6	11.6	23.4

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Hampton	Groundwater	Irrigation	1818.3959	20.33	50.702	40.931	137.044	216.4848	392.5156	407.965	188.547	186.705	88.9355	63.55	24.686
Hampton	Groundwater	Water Supply	545.112	40.843	39.751	43.231	40.723	45.82	49.918	52.023	49.822	46.924	52.595	43.299	40.163
Hampton	Surface Water	Irrigation	90.972	0	15.2	16.3	6.5	0	3.5	7.084	8.876	5.48	17.28	10.752	0
Horry	Groundwater	Golf Course	711.1514	3.6	5.645	33.812	75.858	92.672	121.7564	100.22	78.498	95.926	55.374	33.539	14.251
Horry	Groundwater	Industrial	87.691	8.256	7.667	6.764	6.164	7.03	8.055	8.733	8.817	7.361	5.707	5.14	7.997
Horry	Groundwater	Irrigation	130.616	1.061	0.58	1.921	12.556	17.483	6.848	9.849	7.433	22.099	11.834	23.731	15.221
Horry	Groundwater	Other	2.043	0.207	0.591	0.494	0.191	0	0	0	0.186	0.009	0	0.365	0
Horry	Groundwater	Water Supply	1928.741	127.94	135.681	151.269	181.327	195.132	197.431	203.669	157.245	160.924	152.697	130.3	135.126
Horry	Surface Water	Golf Course	3110.4367	31.829	47.711	126.372	357.149	449.747	448.751	378.9491	352.8291	417.934	277.097	180.816	41.2525
Horry	Surface Water	Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0
Horry	Surface Water	Irrigation	25.423	0.251	0.51	1.043	3.481	3.594	4.795	3.476	3.331	3.172	1.301	0.353	0.116
Horry	Surface Water	Mining	0	0	0	0	0	0	0	0	0	0	0	0	0
Horry	Surface Water	Thermoelectric	26880.22	2008.1	2190.96	1429.9	1250	1536.2	3762	3887.4	3639.3	2240.4	1295.8	1254	2386.16
Horry	Surface Water	Water Supply	15074.7	996.8	854.5	1029.2	1268.8	1436.1	1617.8	1743	1621.5	1404.4	1194.2	957.2	951.2
Jasper	Groundwater	Aquaculture	0	0	0	0	0	0	0	0	0	0	0	0	0
Jasper	Groundwater	Golf Course	47.644	0.131	0	0	1.203	12.432	14.214	15.62	0	0	0	4.044	0
Jasper	Groundwater	Irrigation	430.842	2.898	1.104	12.846	48.518	39.653	87.287	78.46	38.603	66.429	32.978	21.1	0.966
Jasper	Groundwater	Water Supply	353.791	28.367	25.369	26.856	29.392	29.062	32.277	33.632	33.485	29.503	31.006	27.354	27.488
Jasper	Surface Water	Golf Course	0	0	0	0	0	0	0	0	0	0	0	0	0
Jasper	Surface Water	Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
Kershaw	Groundwater	Golf Course	42	0	0	1	3	6	6	6	8	6	6	0	0
Kershaw	Groundwater	Industrial	378.786	28.992	27.866	33.653	28.012	30.572	29.74	31.104	34.158	28.915	31.335	36.363	38.076
Kershaw	Groundwater	Water Supply	758.769	64.712	53.777	56.718	62.822	69.887	69.141	74.576	67.753	61.511	65.761	56.136	55.975
Kershaw	Surface Water	Golf Course	83.277	0.045	0	1.027	8.552	10.796	11.906	12.202	13.933	14.686	9.492	0.45	0.188
Kershaw	Surface Water	Hydroelectric	1071664	214007	239789	138078	97312	58690	68861	56360	50784	34908	24599	29730	58546
Kershaw	Surface Water	Industrial	759.203	60.611	56.613	63.041	59.59	64.003	69.783	74.56	70.894	69.257	62.424	53.759	54.668
Kershaw	Surface Water	Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
Kershaw	Surface Water	Mining	527.967	19.772	30.409	48.478	28.621	49.232	56.856	35.562	27.304	44.997	27.301	89.169	70.266
Kershaw	Surface Water	Water Supply	1641.523	122.058	105.721	109.489	136.607	157.198	155.511	160.687	151.726	155.934	139.785	118.267	127.54

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Lancaster	Groundwater	Golf Course	9.636	0	0	0.074	1.465	1.415	1.618	1.658	1.357	1.724	0.283	0.038	0.004
Lancaster	Surface Water	Golf Course	40.357	0	0	0.2	5.123	0.365	8.411	9.365	7.718	7.056	1.953	0.152	0.014
Lancaster	Surface Water	Hydroelectric	1001037	199816	187822	135464	99056	60577	69839	50560	45267	36782	28325	26470	61059
Lancaster	Surface Water	Industrial	23.024	1.825	0.753	0.871	2.211	3.783	5.283	4.228	1.048	1.07	0.58	0.544	0.828
Lancaster	Surface Water	Water Supply	6353.17	461.5	406.12	431.76	523.66	576.03	584.8	629.9	596.5	621.4	601.6	469.7	450.2
Laurens	Surface Water	Golf Course	83.95	0.3	0.7	5.23	5.2	8.78	15.11	15.18	14.47	11.38	6.3	0.8	0.5
Laurens	Surface Water	Hydroelectric	107.652	19.484	17.217	12.971	9.31	10.988	10.754	5.245	4.237	1.374	2.933	4.628	8.511
Laurens	Surface Water	Water Supply	1772.274	153.136	132.323	145.495	146.347	137.239	154.528	157.922	152.263	162.109	153.485	132.805	144.622
Lee	Groundwater	Irrigation	163.463	0	0	0	2.16	23.157	37.548	48.267	29.801	22.53	0	0	0
Lee	Groundwater	Water Supply	551.174	44.699	41.103	47.12	49.218	50.396	47.72	47.507	47.98	45.423	43.75	41.75	44.508
Lee	Surface Water	Irrigation	8.64	0	0	0	2.88	0	0	0	4.32	1.44	0	0	0
Lexington	Groundwater	Industrial	343.909	23.176	22.321	28.158	27.286	29.342	28.885	29.17	33.192	34.571	27.74	32.803	27.265
Lexington	Groundwater	Irrigation	3045.638	16.188	14.912	22.399	79.452	332.636	663.745	577.394	393.355	408.908	357.567	128.11	50.972
Lexington	Groundwater	Mining	374.19	1.1	56.56	7.68	50.63	64.05	2.3	53.94	80.4	2.9	18.26	2	34.37
Lexington	Groundwater	Water Supply	510.087	39.746	32.029	36.4	42.386	50.569	48.761	50.006	44.561	46.581	40.07	35.535	43.443
Lexington	Surface Water	Golf Course	193.24	2.25	1.75	5.9	15.75	26.2	25.5	31.65	26.4	28.08	20.71	5.9	3.15
Lexington	Surface Water	Hydroelectric	266051.6	75313	80511.92	32944.56	14502.66	15262.53	19277.64	4927.73	1846.39	4645.62	577.54	5479.47	10762.54
Lexington	Surface Water	Industrial	12505.482	1088.69	892.592	908.392	1002.642	1046.917	1093.616	1205.937	1213.092	1113.688	1036.575	954.293	949.048
Lexington	Surface Water	Irrigation	791.957	7.013	7.135	16.868	60.361	109.174	125.002	112.231	73.332	107.139	101.842	52.912	18.948
Lexington	Surface Water	Mining	286.48	12.09	14.49	29.4	27.68	21.68	30.56	32.09	24.62	28.98	26.35	20.04	18.5
Lexington	Surface Water	Thermoelectric	53965.57	4742.94	4418.15	3749.43	3597.67	4738.12	4924.08	5161.64	5047.02	5008.32	2781.25	4729.83	5067.12
Lexington	Surface Water	Water Supply	6641.935	443.65	392.47	436.15	609.16	693.32	680.08	701.04	656.9	648.44	559.32	413.28	408.125
Marion	Groundwater	Golf Course	23	0	0	0	0	4.3	5.2	6.5	7	0	0	0	0
Marion	Groundwater	Irrigation	53.67	0	0	0.583	0.621	4.425	5.975	14.525	18.425	7.453	0.583	0.54	0.54
Marion	Groundwater	Water Supply	1172.024	90.894	87.302	94.995	95.708	103.715	101.276	105.644	103.066	101.828	97.715	91.824	98.057
Marion	Surface Water	Golf Course	49.5	0	1	1	5	6	6	11	12	6	1	0.5	0
Marion	Surface Water	Irrigation	9.5	0	2	2	1	0	0	0	0	0	4.5	0	0
Marlboro	Groundwater	Industrial	147.165	11.614	12.38	12.107	12.729	13.296	15.12	12.693	13.918	11.53	12.316	9.178	10.284
Marlboro	Groundwater	Irrigation	201.713	0.9	0.9	0.6	14.959	38.364	34.318	37.109	44.303	19.7	6.7	3.56	0.3

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Marlboro	Groundwater	Water Supply	1063.067	86.818	72.883	81.13	81.373	82.614	89.591	90.055	97.541	98.63	98.479	89.134	94.819
Marlboro	Surface Water	Golf Course	1.515	0	0	0.1	0.2	0.25	0.28	0.28	0.28	0.1	0.025	0	0
Marlboro	Surface Water	Industrial	5998.14	500.331	454.735	492.515	473.204	474.18	514.722	551.501	556.449	531.652	512.34	415.797	520.714
Marlboro	Surface Water	Irrigation	140.509	0	0	0	10.32	28.478	45.173	28.503	19.634	8.401	0	0	0
Marlboro	Surface Water	Water Supply	329	29	27	26	28	32	33	31	27	26	25	22	23
McCormick	Surface Water	Golf Course	65.963	0.311	0.654	1.471	4.554	4.638	10.293	17.885	9.455	12.033	3.246	1.213	0.21
McCormick	Surface Water	Water Supply	414.32	35.27	28.865	28.795	34.503	35.997	46.027	39.895	42.152	34.934	28.146	24.868	34.868
Newberry	Groundwater	Irrigation	101.1	4.75	4.75	4.75	4.8	6.05	7.55	18	20.05	14.25	6.35	5.05	4.75
Newberry	Groundwater	Water Supply	14.67	1.35	0.98	1.29	1.2	1.33	1.17	1.37	1.36	1.09	1.16	1.06	1.31
Newberry	Surface Water	Golf Course	13.96	0	0	0	0.01	0.5	1.6	4.5	4.5	2.8	0.05	0	0
Newberry	Surface Water	Irrigation	218.888	2.08	7.08	23.8	24.8	25.47	25.355	25.149	33.424	25.83	17.9	5.8	2.2
Newberry	Surface Water	Water Supply	2310.385	187.539	163.736	182.833	185.392	194.346	194.824	212.571	215.844	218.881	201.4	174.47	178.549
Oconee	Groundwater	Water Supply	29.5	2.03	1.66	2.07	1.94	2.26	2.28	3.45	2.96	3.19	3.17	2.51	1.98
Oconee	Evaporation	Nuclear Power	7719	736	648	691	635	577	681	710	664	647	587	471	672
Oconee	Surface Water	Golf Course	108.514	0.264	0.713	3.534	5.1	10.31	16.749	23.116	14.373	20.987	10.728	2.419	0.221
Oconee	Surface Water	Hydroelectric	17.337	2.683	2.535	2.031	1.745	1.664	1.613	0.877	0.876	0.527	0.652	0.83	1.304
Oconee	Surface Water	Irrigation	84.4	2.1	2.1	3.6	6.8	6.8	10.4	13.65	13.9	9.3	8.05	5.6	2.1
Oconee	Surface Water	Nuclear Power	2266008	176688	142158	117900	133862	164036	246069	257738	264821	236018	172707	183287	170724
Oconee	Surface Water	Water Supply	3635.536	291.792	238.032	250.186	278.391	308.594	324.672	374.775	355.67	347.765	313.473	272.943	279.243
Orangeburg	Groundwater	Golf Course	60.963	0.004	0.09	0.195	11.363	12.101	12.908	4.025	3.393	6.981	7.045	2.572	0.286
Orangeburg	Groundwater	Industrial	417.2	35.3	28.2	33.8	33.3	35.2	33.5	39.3	41.4	39.8	31.2	32.4	33.8
Orangeburg	Groundwater	Irrigation	3953.044	33.636	39.262	108.668	235.091	530.183	676.055	646.257	580.071	541.47	377.729	141.341	43.281
Orangeburg	Groundwater	Mining	1703.8	148.24	131.44	183.19	139.73	106.57	145.65	98.97	143.94	144.61	153.82	153.82	153.82
Orangeburg	Groundwater	Thermoelectric	1638.299	157.51	138.135	141.054	88.402	100.399	152.429	153.084	156.963	145.618	141.757	132.837	130.111
Orangeburg	Groundwater	Water Supply	522.349	46.358	40.738	39.983	42.937	46.255	45.91	45.183	44.44	45.834	42.443	38.834	43.434
Orangeburg	Surface Water	Golf Course	13.664	0.921	0.942	0.844	1.387	1.293	1.864	1.012	1.067	1.479	1.621	0.725	0.509
Orangeburg	Surface Water	Industrial	175.9	15.3	12.5	15.3	16.8	15.3	14.6	14.7	16.4	14.1	15.3	11.3	14.3
Orangeburg	Surface Water	Irrigation	1451.132	8.427	7.583	17.332	104.688	170.851	309.585	325.997	346.651	102.169	34.873	19.102	3.874

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Orangeburg	Surface Water	Thermoelectric	0	0	0	0	0	0	0	0	0	0	0	0	0
Orangeburg	Surface Water	Water Supply	2753.671	230.24	193.092	207.953	220.613	241.657	232.169	245.181	263.938	264.394	245.813	212.218	196.403
Pickens	Surface Water	Golf Course	386.926	2.779	2.947	13.415	28.153	37.658	66.494	71.05	63.826	65.813	27.211	6	1.58
Pickens	Surface Water	Hydroelectric	2369692	203303	167350	117921	182430	291484	315284	344292	366299	145030	60133	81695	94471
Pickens	Surface Water	Industrial	2591.305	40.616	44.125	43.216	136.689	285.126	459.081	437.067	417.487	322.379	294.909	72.153	38.457
Pickens	Surface Water	Water Supply	3984.418	295.4	247.872	268.053	310.108	335.848	374.221	439.508	370.218	391.962	353.033	294.595	303.6
Richland	Groundwater	Aquaculture	30	0	1	1	2	6.5	3	4	3	3	5	1	0.5
Richland	Groundwater	Golf Course	60.215	0.015	0.015	0.605	3.562	6.271	10.569	11.648	12.306	8.499	6.105	0.605	0.015
Richland	Groundwater	Industrial	760.954	68.132	59.368	62.91	58.854	63.521	60.308	68.752	66.42	63.268	62.655	61.23	65.536
Richland	Groundwater	Irrigation	34.718	0	0	0	0	2.35	2.58	1.984	2.41	6.35	6	6.52	6.524
Richland	Groundwater	Mining	408.9	37.2	35.52	37.74	34.32	31.5	29.04	29.52	37.32	35.4	31.98	32.4	36.96
Richland	Groundwater	Water Supply	286.4643	23.146	21.347	22.7323	23.889	26.877	23.73	26.222	27.359	24.051	22.87	21.492	22.749
Richland	Surface Water	Aquaculture	101.4	1.4	2.4	8.6	15.2	9.2	11.5	16.1	21.1	8.3	5.3	2.2	0.1
Richland	Surface Water	Golf Course	374.922	0.068	0.778	3.773	37.514	42.351	47.901	60.339	53.289	68.899	33.899	10.028	6.083
Richland	Surface Water	Hydroelectric	257513.84	29646.92	34372.38	44690.03	42125.46	31059.81	20967.75	11849.27	17904.51	3241.33	3929.97	1448.51	16277.9
Richland	Surface Water	Industrial	10243.315	850.504	783.176	800.284	761.781	831.792	876.146	948.51	932.553	875.831	847.576	858.577	876.585
Richland	Surface Water	Irrigation	0.51	0	0	0	0.1	0.16	0.15	0.1	0	0	0	0	0
Richland	Surface Water	Thermoelectric	4073.32	367.17	286.5	328.21	324.08	361.59	383.11	393.92	351.95	268.11	305.62	326.3	376.76
Richland	Surface Water	Water Supply	23587	1602	1394	1627	1936	2057	2150	2383	2615	2319	2048	1715	1741
Saluda	Groundwater	Water Supply	9.647	0.184	0.624	0.616	1.136	0.794	1.124	1.064	1.194	0.529	1.496	0.886	0
Saluda	Surface Water	Irrigation	1447	2	2	50	114.5	228.2	342.2	323.3	227.3	119.7	37.8	0	0
Spartanburg	Groundwater	Golf Course	34.4461	0.326	0.345	0.5959	1.0246	2.7048	5.4334	5.6214	5.7834	5.4348	5.3552	1.7036	0.118
Spartanburg	Groundwater	Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0
Spartanburg	Groundwater	Water Supply	24.76	0.71	1.35	1.81	1.79	2.37	2.34	2.77	2.29	2.45	2.35	2.15	2.38
Spartanburg	Surface Water	Aquaculture	35.04	2.976	2.688	2.976	2.88	2.976	2.88	2.976	2.976	2.88	2.976	2.88	2.976
Spartanburg	Surface Water	Golf Course	354.603	1.4798	2.6553	10.019	34.575	34.012	47.28	57.698	48.593	55.409	40.563	18.2826	4.0363
Spartanburg	Surface Water	Hydroelectric	7295.42	1585.92	1425.16	1655.36	1025.76	1196.96	393.66	2.3	3.4	1.6	2.2	1.4	1.7
Spartanburg	Surface Water	Irrigation	111.7	2.1	2.9	6.8	9.1	9.1	11.6	15.2	15.9	15.5	12.2	7.1	4.2
Spartanburg	Surface Water	Mining	35.422	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.004	3.402	2.916



County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
Spartanburg	Surface Water	Water Supply	12916.224	972.957	697.878	902.371	982.454	1147.836	1185.415	1276.633	1281.357	1257.749	1182.121	1022.989	1005.464
Sumter	Groundwater	Golf Course	75.567	1	1.1	1.424	7.33	6.77	7.04	12.633	10.51	14.12	9.05	3.59	1
Sumter	Groundwater	Industrial	156.631	16.049	17.484	16.154	11.368	10.289	9.909	10.564	13.402	12.31	14.046	14.065	10.991
Sumter	Groundwater	Irrigation	1122.565	0	9.21	24.54	93.085	191.955	329.031	190.937	146.923	97.398	26.416	13.07	0
Sumter	Groundwater	Water Supply	5374.985	449.76	360.569	428.179	430.453	470.737	477.04	487.441	482.843	473.493	458.249	415.124	441.097
Sumter	Surface Water	Golf Course	153.853	0.171	0.196	2.313	20.864	23.034	20.895	21.262	19.642	26.265	14.655	4.317	0.239
Sumter	Surface Water	Irrigation	483.25	0	0	32.25	37.25	68.95	102.05	107.75	97.75	30.45	6.8	0	0
Union	Groundwater	Industrial	3.686	0.107	0.218	0.23	0.224	0.24	1.194	0.253	0.241	0.215	0.262	0.257	0.245
Union	Surface Water	Golf Course	10	0	0	1	1	1	2	2	2	1	0	0	0
Union	Surface Water	Hydroelectric	310611.21	38202.74	41246.72	46581.59	41833.37	38052.25	27665.42	10772.4	16139.52	7183.74	12848.33	14734.39	15350.74
Union	Surface Water	Industrial	330.1	26.7	26.7	31.7	28.3	26.7	30	21.7	30	30	26.7	28.3	23.3
Union	Surface Water	Water Supply	1224.431	95.997	81.062	85.742	91.21	97.99	115.05	123.97	122.6	122.28	98.09	96.81	93.63
Williamsburg	Groundwater	Industrial	372.4	39	34.4	39	33.5	35.6	33.6	25	22.5	27.6	26.5	26.9	28.8
Williamsburg	Groundwater	Irrigation	6.84	0	0	0	0	1.14	0.5	1.6	2.2	1.4	0	0	0
Williamsburg	Groundwater	Water Supply	776.741	60.67	51.872	64.058	58.422	68.491	71.776	69.848	70.076	59.066	59.766	74.424	68.272
Williamsburg	Surface Water	Golf Course	27.072	0.576	0.576	1.152	1.152	2.304	4.608	4.608	4.608	1.152	4.608	1.152	0.576
Williamsburg	Surface Water	Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
York	Groundwater	Golf Course	155.41	0.25	2.9	3.25	14.56	21.75	28	21.4	26.8	23.9	4.5	4.9	3.2
York	Groundwater	Industrial	2.974	0.166	0.224	0.17	0.118	0.114	0.078	0.162	0.097	0.577	0.654	0.312	0.302
York	Groundwater	Mining	65.16	8.16	9.96	5.88	3.24	4.74	4.26	3.12	8.4	7.62	3.42	4.26	2.1
York	Groundwater	Water Supply	14.431	0	0	0	0	0	0	0	0	3.394	4.306	4.052	2.679
York	Evaporation	Nuclear Power	11995	1087	844	1078	1052	1094	1054	1102	1097	799	676	1026	1086
York	Surface Water	Golf Course	255.0824	3.2004	5.5	11.6	17.31	28.052	40.926	41.527	40.341	33.237	16.336	12.448	4.605
York	Surface Water	Hydroelectric	818158	174427	169119	95795	86742	47603	51885	35241	34881	31489	23798	20360	46818
York	Surface Water	Industrial	11320.4	912.96	869.48	915.96	889.8	928.96	955.8	996.96	943.96	1021.8	999.96	859.8	1024.96
York	Surface Water	Irrigation	4	0	0	0	0	0	1	2	1	0	0	0	0
York	Surface Water	Nuclear Power	47136	3734	3222	3394	3753	3865	3800	4642	4784	4284	4281	3705	3672
York	Surface Water	Other	4.53	0.1	0.12	0.3	0.32	0.41	0.55	0.6	0.72	0.75	0.35	0.21	0.1

County	Source Type	Use Type	2010 Total	January	February	March	April	May	June	July	August	September	October	November	December
York	Surface Water	Water Supply	6004.366	427.634	376.961	409.083	461.885	505.54	580.801	614.667	575.693	601.573	563.684	441.087	445.758

