



Report No. 127

Use Inventory

**Municipal and Industrial
Water Use in South Carolina**

**State of South Carolina
Water Resources Commission**



August 1977

STATE OF SOUTH CAROLINA
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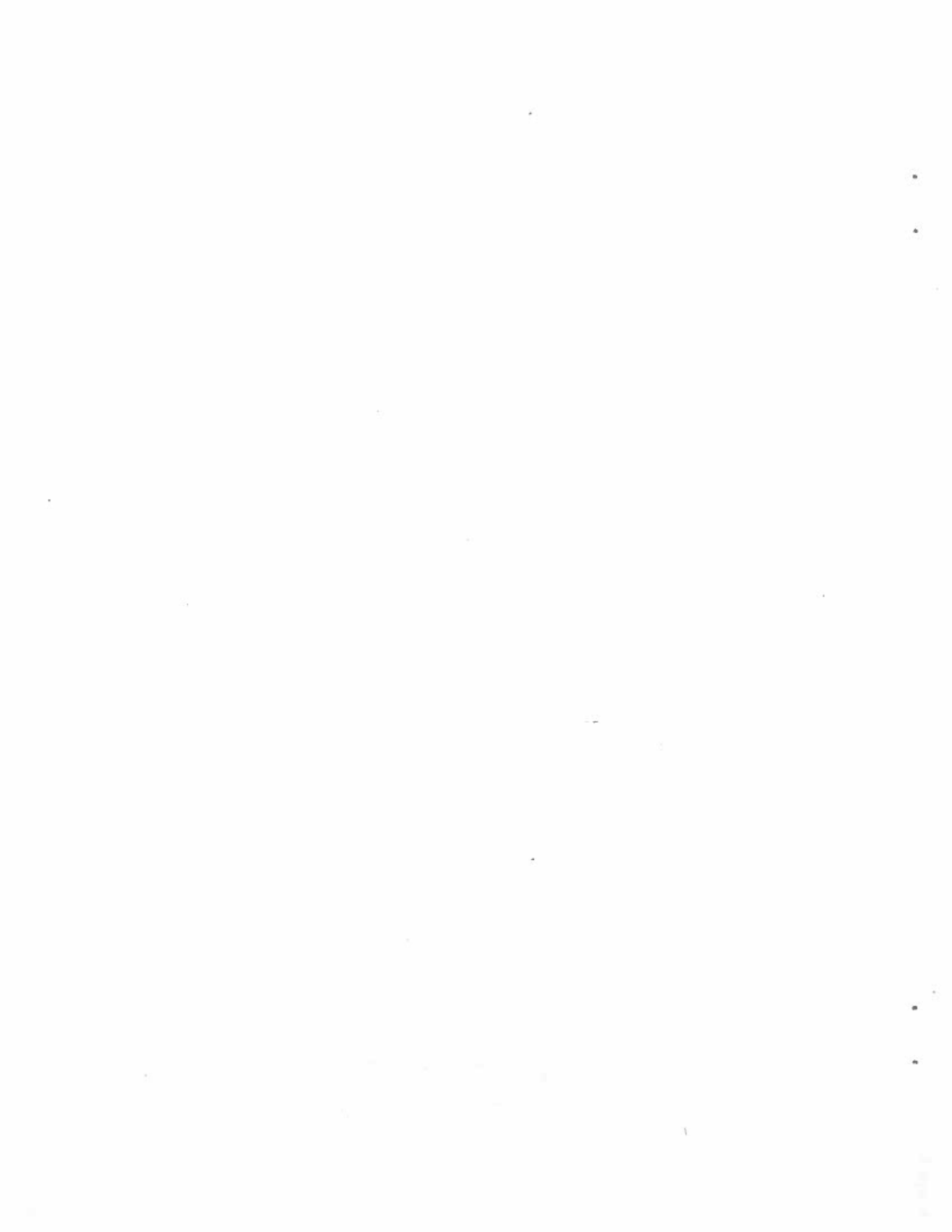
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MUNICIPAL AND INDUSTRIAL WATER USE
IN SOUTH CAROLINA

By
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August, 1977

South Carolina Water Resources Commission
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INTRODUCTION

Perhaps the most valuable natural resource a State can possess is an ample supply of clean, fresh water. South Carolina is a State so favored. Her water resources are presently ample and, except in a few troubled areas, still reasonably clean and fresh. Keeping them so under the mounting pressure of an increasing population and burgeoning industry presents a challenge as well as a grave responsibility. Water managers must correctly anticipate future problems and take timely and suitable actions to cope with them. Water facts of all kinds are a prerequisite to sound decisions. Important among such facts are periodic assessments of water use. The use of water often reduces the quantity or degrades the quality of the remaining supply; frequently it does both. Because the use of water affects the resource, an adequate evaluation of South Carolina's water resources requires a knowledge of not only how much water is available, but also of how much water is used, where it is used and how it is used.

MUNICIPAL WATER SUPPLY

Sources of Data

This inventory summarizes water-use data for 172 public water systems that in 1976 were serving a population of 1,697,645 and using 311,141,097 gallons of water per day (Table 1). In the Water Use Inventory of 1970 (Water Resources Commission, 1970), 154 systems were inventoried with a total water use of 302,000,000 gallons per day. The present day use increased 3 percent during the six year period.

The primary source of data was derived from a questionnaire sent to public water utilities by the ten Regional Planning Councils in South Carolina. Data for the smaller water systems and for those not responding to the questionnaire were obtained from two supplemental sources: (1) records of the South

1/ Water Use in South Carolina, 1970

Carolina Department of Health and Environmental Control and (2) by telephone interviews with municipal water managers for cities that did not respond to the questionnaire.

Summary

Use of water for municipal supply is summarized by sub-basin in Table 2. A more detailed summary by county is shown for each sub-basin. Total water use for this purpose was inventoried as 311,141,097 gallons per day (gpd), of which 118,288,696 gpd (38 percent) was furnished to industrial water users and 192,852,401 gpd (62 percent) served residential needs.

Public water systems served a population of 1,697,645 or approximately 60 percent¹ of the State's population in 1976.

Daily Per Capita Use

The average daily per capita use of water from public supplies is a useful parameter for generalizing experience and comparing municipal water use in different communities or areas. Data collected during the present inventory are believed to provide a reasonably reliable estimate of daily per-capita use from public water supplies in South Carolina.

The column heading "Total Average Daily Water Use"(gpd) State summary by sub-basin (Table 2) and "Municipal Water Supply Facilities" tables for each sub-basin (tables 5A-19A) show average water use for all purposes -residential and industrial. In the same tables under the heading "Average Daily Industrial Use from Municipal Systems (gpd)" the amount of water purchased from municipalities by industries is shown. The per-capita water usage for each municipality and sub-basin was computed by subtracting the water sold to industries from the total average daily water use to reflect a reasonable estimate for a per-person use of water in each municipality and sub-

1 Based on population 2,784 as projected for 1974 by the U.S. Army Corps of Engineers, South Atlantic Division, Intra-Governmental Order Number SADPO-75-1, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C.

basin. These per-capita usages ranged from a low in the Little Pee Dee sub-basin of 73 gallons per day to a high of 180 gallons per day in the Congaree sub-basin.

Water Supply Capacity

The water supply capacity for each system is either the filtration plant capacity as used in surface water sources or the combined pumping capacity of all wells in a system. Presently, the total average daily water used by municipal systems are utilizing 51 percent of the total statewide capacity. However, when evaluating the capacity of a system, it should be compared with the maximum daily demand which usually averages approximately 25 percent more than the average daily demand. When all municipal systems in the State are evaluated on this basis, 64 percent of the total capacity is utilized.

Population Served

The population served by public water systems was calculated by multiplying the number of water services as supplied by the utilities, by the average number of people per occupied housing unit in the appropriate county. The data on people per housing unit were obtained from the Bureau of Census, General Housing Characteristics; 1970.

INDUSTRIAL WATER SUPPLIES

Summary

In this inventory, an industry is considered to be self-supplied if any of the water it uses is obtained from its privately owned water supply facilities. Many self-supplied industries also use additional water purchased from public water systems. Water purchased by industry is not included here, but is included under the category of municipal water supply facilities.

Industries use their self-supplied water for many purposes including condenser cooling, processing, washing, conveying, air conditioning, boiler feeding and sanitation. Not all of these uses require water of the same quality, and many industrial plants find it advantageous to use water from different sources for different purposes. For example, a plant may use untreated surface water pumped directly from a river for condensor cooling, while using water from a well as a public supply for the more critical requirements of processing and boiler feed.

Use of self-supplied water in industry is shown by sub-basin in Table 3. A more detailed summary by county is shown for each sub-basin.

The total water used by 239 self-supplied industries is 1,136,368,582 gpd, of which 442,606,826 gpd is process water and 693,761,756 gpd is recycled water.

A comparison of industrial water use in 1970 with the current use can only be made in the process water used by industry. The 1970 Water Use Inventory did not include recycled water use for the majority of industries. In 1970 there were 183 industries operating private water systems; currently there are 239 privately operated industrial water systems. A small percentage of this increase may be attributed to a more thorough reporting procedure by industries. The use of industrial water, in the category as described

above, has increased 17 percent or approximately 64,000,000 gpd over the six year period.

Source of Data

The industrial water use data were obtained through a joint effort by the S.C. Water Resources Commission and the S.C. Department of Labor by adding water usage information to an industrial questionnaire which is sent annually to all industries in South Carolina by the S.C. Department of Labor.

WATER DISTRICTS

Summary

The final category inventoried in this report is water distributed by water districts in South Carolina. This category includes 92 water systems that served a population of 173,369 for a total water use of 54,598,399 gpd as shown in Table 4. A more detailed summary by county is shown for each sub-basin.

Sources of Data

The data sources for this category were the same as for municipal water systems.

STATE SUMMARY

Sub-Basins

For the purpose of this report, South Carolina is divided into fifteen (15) sub-basins within the four (4) major river basins (Pee Dee, Santee, Savannah and Ashley-Combahee-Edisto). They are as follows: Ashley, Black, Broad, Combahee, Congaree, Cooper, Edisto, Great Pee Dee, Little Pee Dee, Lynches, Saluda, Santee, Savannah, Waccamaw and Wateree.

Water Supply Sources

South Carolina has a total of 503 water supply systems. Industries in the State operate 239 of these systems and use 1,136 million gallons per day (mgpd). There are 172 municipal systems using 312 mgpd. Water districts make up the remaining 92 systems and use 55 mgpd.

A total of 1,871,014 people or 67 percent of the State's population is served by either a municipal water system or water districts.

The total average daily water use for all categories in this report is 1,502,108,078 gallons per day (gpd). The following table is a summary for municipal, industrial and water districts and includes totals for all data inventoried in this report.

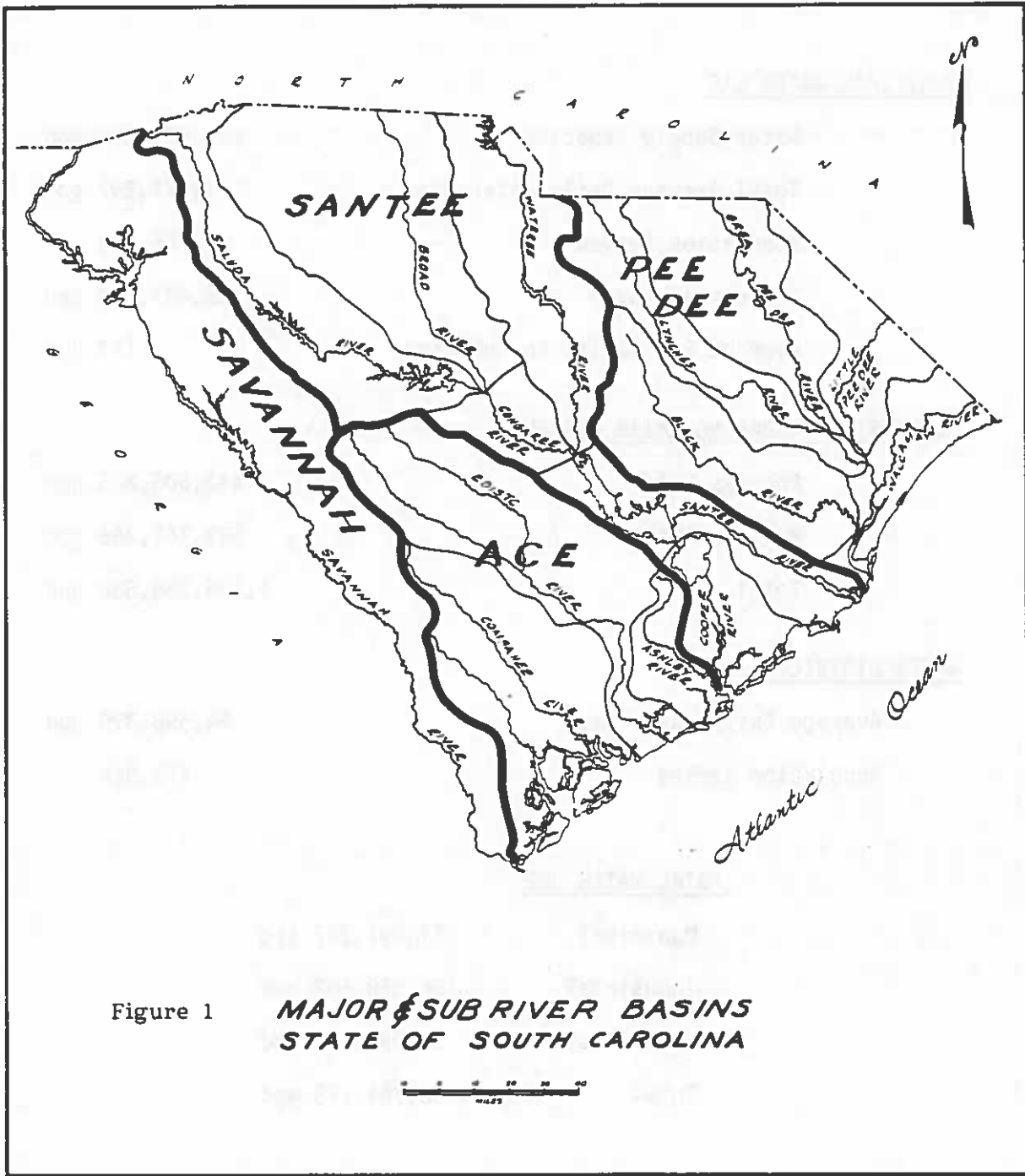


Figure 1

**MAJOR & SUB RIVER BASINS
STATE OF SOUTH CAROLINA**

TABLE I
STATE SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	610,603,200 gpd
Total Average Daily Water Use	311,872,297 gpd
Population Served	1,705,199
Industrial Water	118,497,629 gpd
Average Per Capita Consumption	113 gpd

INDUSTRIAL OPERATING WATER SYSTEMS

Process Water	442,606,826 gpd
Recycled Water	693,761,756 gpd
Total	1,136,368,582 gpd

WATER DISTRICTS

Average Daily Water Use	54,598,399 gpd
Population Served	173,369

TOTAL WATER USE

Municipal	311,797,297 gpd
Industrial	1,136,368,582 gpd
Water Districts	54,598,399 gpd
Total	1,502,764,278 gpd

TABLE 2

Water Demand Analysis
Municipal Water Supply Facilities

STATE SUMMARY

Sub-Basin	No. of Water Systems	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Ashley	2	2,000,000	2,260,000	24,859	85	150,000
Black	11	23,810,000	13,433,000	59,947	110	6,854,000
Broad	14	184,500,000	73,697,667	442,160	133	14,849,156
Combahee	26	20,191,200	6,873,875	40,445	90	3,227,000
Congaree	3	4,960,000	2,674,000	14,545	180	50,000
Cooper	6	50,914,000	66,612,237	171,113	74	54,002,000
Edisto	22	30,438,600	14,720,475	118,639	89	4,214,208
Great Pee Dee	13	23,508,000	13,504,000	95,547	106	3,350,000
Little Pee Dee	8	10,237,000	3,458,900	28,997	73	1,328,500
Lynches	12	9,439,000	3,228,848	25,785	77	1,232,423
Saluda	18	132,238,000	61,610,500	365,375	118	18,408,270
Santee	7	4,060,000	1,150,000	11,400	90	119,942
Savannah	15	57,250,000	27,437,006	153,400	134	7,570,463
Waccamaw	8	27,581,400	9,569,589	67,578	120	1,445,000
Wateree	7	25,476,000	10,911,000	85,409	108	1,696,667
TOTAL	172	606,603,200	311,872,297	1,705,199	113	118,497,629

TABLE 3
Industries Operating Water Systems
STATE SUMMARY

Sub-Basin	Water Use (gpd)		Total Water Use (gpd)	Number of Industrial Water Sources
	Process Water	Recycled Water		
Ashley	224,000	3,925,000	4,149,000	3
Black	3,288,500	127,500	3,416,000	7
Broad	39,562,136	21,164,918	60,727,054	42
Combahee	3,522,500	9,456,000	12,978,500	12
Congaree	26,616,805	18,839,218	45,456,023	14
Cooper	5,682,300	1,966,280	7,648,580	8
Edisto	15,472,600	3,814,750	19,287,350	14
Great Pee Dee	53,252,562	177,323,000	230,575,562	39
Little Pee Dee	879,936	160,978	1,040,914	4
Lynches	6,047,402	1,430,000	7,477,402	8
Saluda	10,729,039	1,425,980	12,155,019	18
Santee	967,235	0	967,235	3
Savannah	55,266,257	26,242,700	81,508,957	32
Waccamaw	32,927,600	309,312,300	342,239,900	12
Wateree	188,167,954	118,573,132	306,741,086	23
TOTAL	442,606,826	693,761,756	1,136,368,582	239

TABLE 4
Water Districts
STATE SUMMARY

Sub-Basin	No. of Systems	Average Daily Water Use (gpd)	Population Served
Ashley	1	47,600	839
Black	4	507,200	5,315
Broad ¹	14	9,218,532	16,338
Combahee	12	34,657,607	14,897
Congaree	1	10,000	500
Cooper	1	10,556	504
Edisto	5	99,800	1,975
Great Pee Dee	3	70,000	581
Little Pee Dee	1	73,000	5,861
Lynches	3	117,000	2,013
Saluda	4	1,014,000	16,775
Santee	None		
Savannah	34	7,312,024	84,220
Waccamaw	5	503,000	4,156
Wateree	5	958,000	19,395
TOTAL	92	54,598,399	173,369

¹52,332 people served by water districts are included in the City of Spartanburg population served.

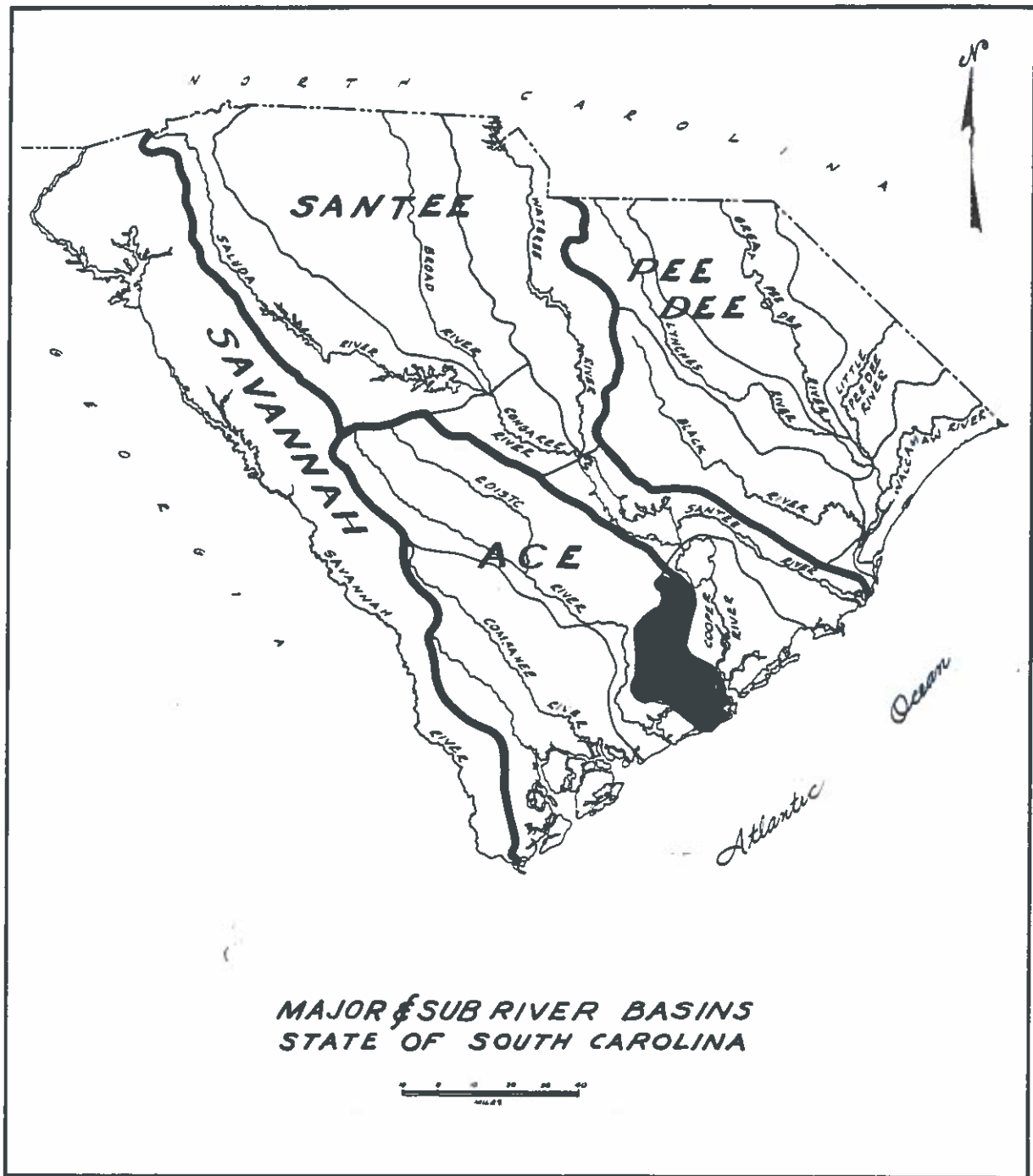


Figure 2: Ashley River Sub-Basin

TABLE 5
ASHLEY SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	2,000,000	gpd
Total Average Daily Water Use	2,260,000	gpd
Population Served	24,859	
Industrial Water	150,000	gpd
Average Per Capita Consumption	85	gpd

INDUSTRIAL WATER SUPPLIES

Process Water	224,000	gpd
Recycled Water	3,925,000	gpd
Total	4,149,000	gpd

WATER DISTRICTS

Average Daily Water Use	47,600	gpd
Population Served	839	

TOTAL WATER USE

Municipal	2,000,000	gpd
Industrial	4,149,000	gpd
Water Districts	47,600	gpd
Total	6,196,600	gpd

TABLE 5A
Water Demand Analysis
Municipal Water Supply Facilities

ASHLEY RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
-14- Berkeley County (none)						
Charleston County						
Hollywood	No system					
Ravenel	No system					
Folly Island	Charleston					
Ridgewood	No system					
Lincolnton	No system					
Sub-Total						
Dorchester County						
Summerville	Surface & Charleston Wells	1,000,000	2,200,000	24,059	85	150,000
Ridgeville		1,000,000	60,000	800	75	0
Sub-Total		2,000,000	2,260,000	24,859		150,000
SUB BASIN TOTAL		2,000,000	2,260,000	24,859	85	150,000

TABLE 5B
Industrial Water Supplies
ASHLEY RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Berkeley (none)				
Charleston Kerr-McGee	75,000	425,000	500,000	Ground
Sub-Total	75,000	425,000	500,000	
Dorchester Exxon Chemicals Co. Ribon Fabric Division	144,000	3,500,000	3,644,000	Ground
Briteline Extrusion Inc.	5,000		5,000	Ground
Sub-Total	149,000	3,500,000	3,649,000	
SUB BASIN TOTAL	224,000	3,925,000	4,149,000	

TABLE 5C
 Water Districts
 ASHLEY RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Berkeley County Sangaree Water District	Ground Water	47,600	839
Sub Total		47,600	839
Charleston County (none)			
Dorchester County (none)			
SUB BASIN TOTAL		47,600	839

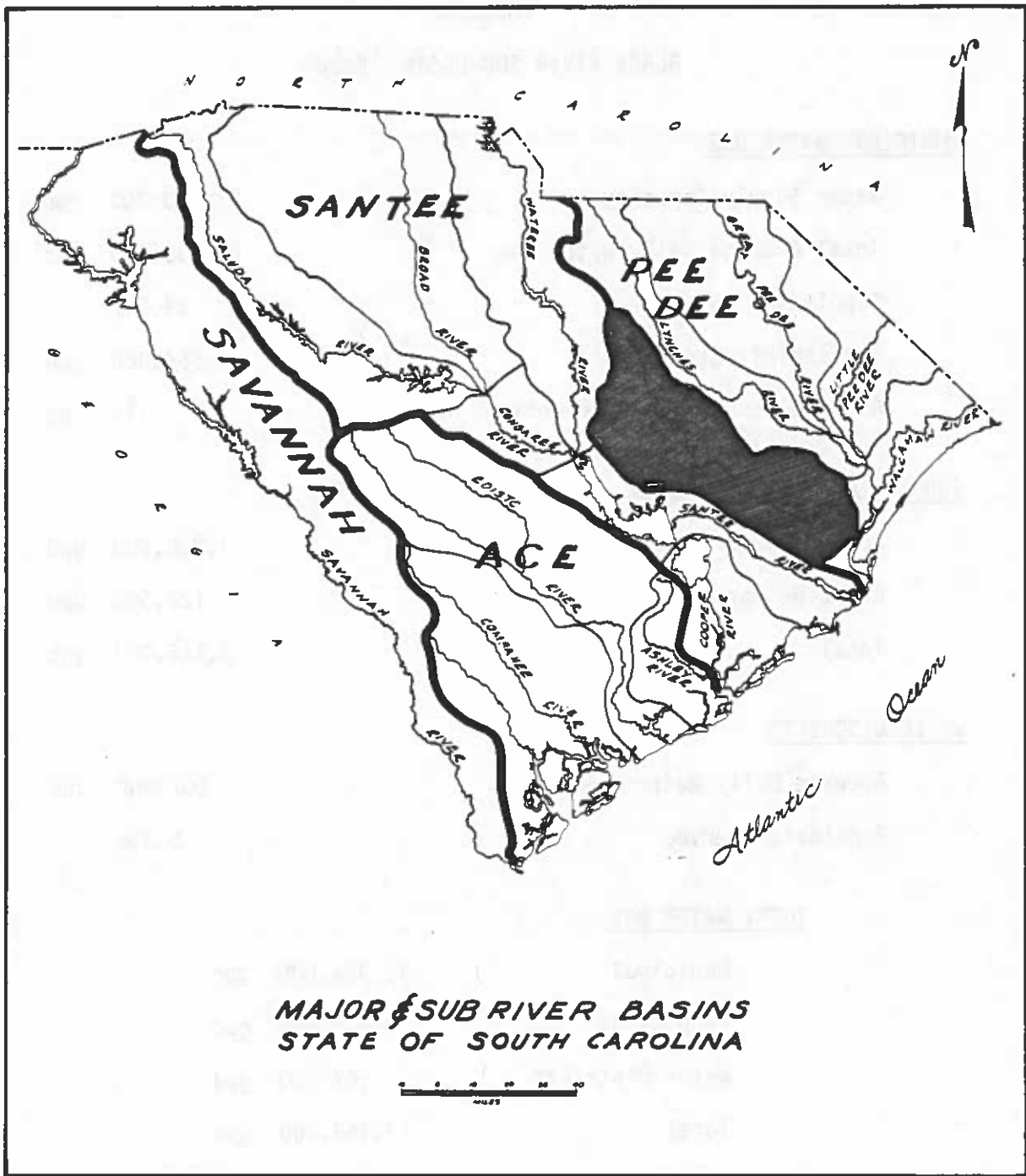


Figure 3: Black River Sub-Basin

TABLE 6
BLACK RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	23,810,000	gpd
Total Average Daily Water Use	13,433,000	gpd
Population Served	59,947	
Industrial Water	6,854,000	gpd
Average Per Capita Consumption	110	gpd

INDUSTRIAL WATER SUPPLIES

Process Water	3,288,500	gpd
Recycled Water	127,500	gpd
Total	3,416,000	gpd

WATER DISTRICTS

Average Daily Water Use	507,200	gpd
Population Served	5,315	

TOTAL WATER USE

Municipal	13,433,000	gpd
Industrial	3,416,000	gpd
Water Districts	507,200	gpd
Total	17,356,200	gpd

TABLE 6A

Water Demand Analysis
Municipal Water Supply Facilities

BLACK RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Clarendon County Manning Turbeville	Wells	5,112,000	523,000	5,872	69	118,000
	Wells	75,000	50,000	652	75	1,000
Sub-Total		5,187,000	573,000	6,524		119,000
Florence County Olanta	Wells	936,000	90,000	805	37	60,000
Sub-Total		936,000	90,000	805		60,000
Georgetown County Andrews	Wells	985,000	836,000	3,800	115	400,000
Sub-Total		985,000	836,000	3,800		400,000
Kershaw County (none)						
Lee County Bishopville	Wells	1,500,000	750,000	4,860	149	26,000
Sub-Total		1,500,000	750,000	4,860		26,000

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TABLE 6A (con't.)

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Sumter County						
Mayesville	Wells	432,000	75,000	918	82	0
Sumter	Wells	13,000,000	10,500,000	36,000	119	6,225,000
Sub-Total		13,432,000	10,575,000	36,918		6,225,000
Williamsburg County						
Kingstree	Wells	1,476,000	500,000	5,856	81	24,000
Cades	No system					
Stuckey	Wells	75,000	18,000	164	110	0
Greeleyville	Wells	75,000	56,000	700	80	0
Lane	Wells	144,000	35,000	320	109	0
Trio	No system					
Sub-Total		1,770,000	609,000	7,040		24,000
SUB BASIN TOTAL		23,810,000	13,433,000	59,947	110	6,854,000

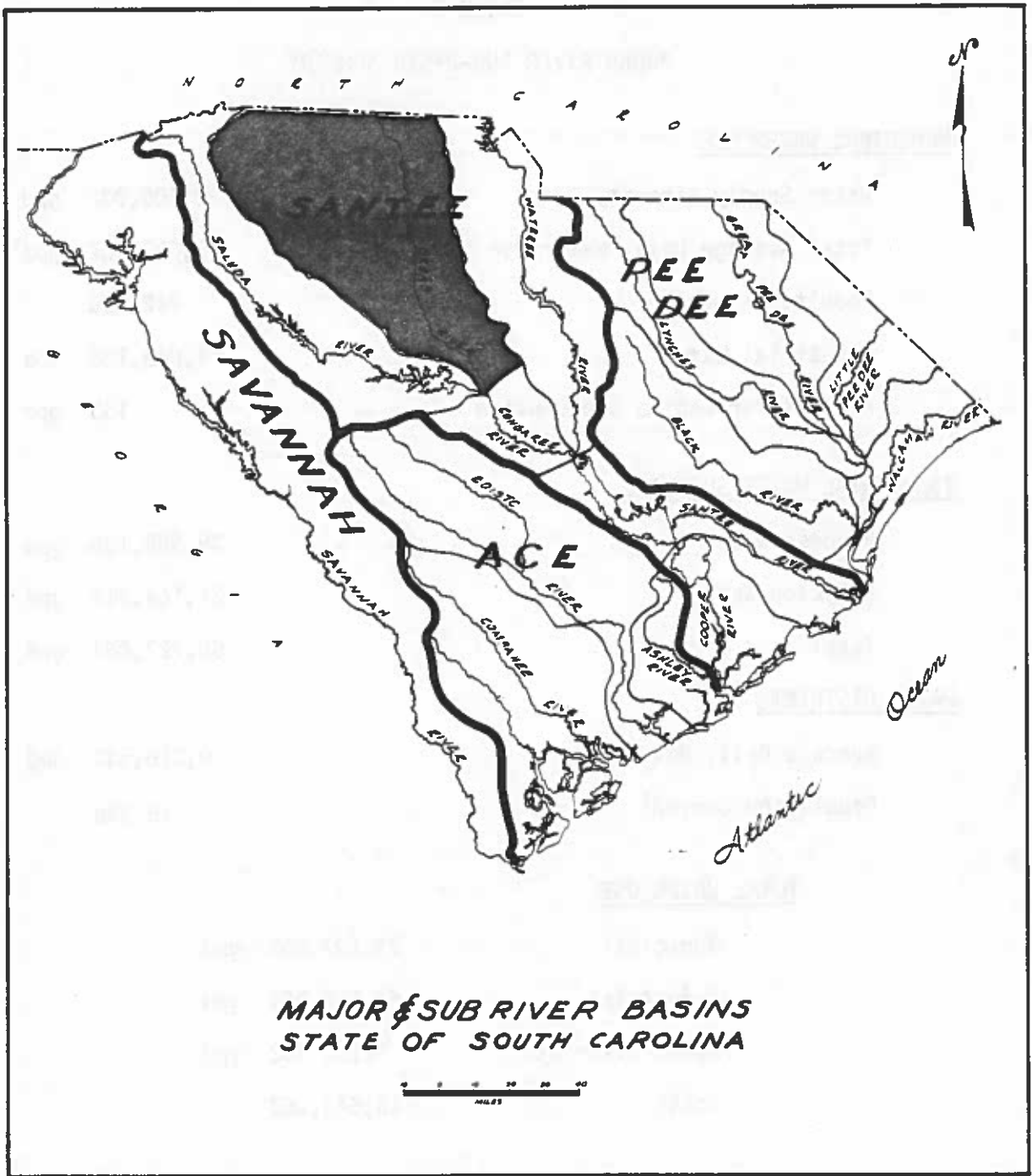
TABLE 6B
Industrial Water Supplies
BLACK RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Clarendon				
Georgia Pacific Corp.	86,000	42,000	128,000	Surface
Sub-Total	86,000	42,000	128,000	
Florence				
(none)				
Georgetown				
(none)				
Kershaw				
(none)				
Lee				
(none)				
Sumter				
Sifco Industries	16,500		16,500	Ground
Southern Coating & Chemical	60,000		60,000	Ground
Sumter Wood Preserving Co.	12,500	500	13,000	Surface & Ground
Lady Madison, Inc.	100,000		100,000	
Sub-Total	189,000	500	189,500	
Williamsburg				
W.D. Evans	13,500		13,500	Ground
Travenol Laboratories	3,000,000	85,000	3,085,000	
Sub-Total	3,013,500	85,000	3,098,500	
SUB BASIN TOTAL	3,288,500	127,500	3,416,000	

TABLE 6C
Water Districts
BLACK RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Clarendon County (none)			
Kershaw County (none)			
Lee County (none)			
Sumter County			
Wedgefield Station	Ground Water	38,400*	480
High Hills Water District	Ground Water	48,800*	610
Sub-Total		87,200	1,090
Florence County (none)			
Georgetown County			
Georgetown Rural	Ground Water	371,000	3,175
Browns Ferry Water District	Ground Water	49,000	1,050
Sub-Total		420,000	4,225
Williamsburg County (none)			
SUB BASIN TOTAL		507,200	5,315

* Estimate



**MAJOR & SUB RIVER BASINS
STATE OF SOUTH CAROLINA**

Figure 4: Broad River Sub-Basin

TABLE 7
BROAD RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	184,500,000	gpd
Total Average Daily Water Use	73,697,667	gpd
Population Served	442,160	
Industrial Water	14,849,156	gpd
Average Per Capita Consumption	133	gpd

INDUSTRIAL WATER SUPPLIES

Process Water	39,562,136	gpd
Recycled Water	21,164,918	gpd
Total	60,727,054	gpd

WATER DISTRICTS

Average Daily Water Use	9,218,532	gpd
Population Served ¹	16,338	

TOTAL WATER USE

Municipal	73,697,667	gpd
Industrial	60,727,054	gpd
Water Districts	9,218,532	gpd
Total	143,643,253	

¹52,332 people served by water districts are included in the City of Spartanburg's population served.

TABLE 7A

Water Demand Analysis
Municipal Water Supply Facilities

BROAD RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Cherokee County Gaffney Blacksburg	Surface Gaffney	9,000,000	7,000,000	22,440	134	4,000,000
Sub-Total		9,000,000	7,000,000	22,440		4,000,000
Chester County (none)						
Fairfield County Winnsboro	Surface	2,000,000	900,000	8,630	52	450,000
Sub-Total		2,000,000	900,000	8,630		450,000
Greenville County Greer Travelers Rest	Surface Greenville	8,000,000	3,700,000	20,944	128	1,013,158
Sub-Total		8,000,000	3,700,000	20,944		1,013,158
Laurens County Clinton	Surface	6,000,000	2,000,000	12,250	158	64,275
Sub-Total		6,000,000	2,000,000	12,250		64,275
Newberry County Whitmire Pomaria Peak	Surface No system No system	500,000	466,667	3,520	57	266,667
Sub-Total		500,000	466,667	3,520		266,667

con't

TABLE 7A (con't.)

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Richland County						
Columbia	Surface	105,000,000	30,000,000	203,419	147	42,056
Blythwood	No system					
Sub-Total		105,000,000	30,000,000	203,419		42,056
Spartanburg County						
Landrum	Surface	1,000,000	475,000	3,300	119	83,000
Spartanburg ¹	Surface	42,000,000	23,600,000	141,014	125	6,000,000
Sub-Total		43,000,000	24,075,000	144,314		6,083,000
Union County						
Union	Surface	7,200,000	4,000,000	14,850	108	2,400,000
Jonesville	Surface	500,000	200,000	1,980	86	30,000
Carlisle	Wells	15,000	15,000	545	27	0
Sub-Total		7,715,000	4,215,000	17,375		2,430,000
York County						
Hickory Grove	Wells	216,000	16,000	408	39	0
Sharon	Wells	69,000	25,000	360	69	0
York	Surface	3,000,000	1,300,000	8,500	94	500,000
Sub-Total		3,285,000	1,341,000	9,268		500,000
SUB BASIN TOTAL		184,500,000	73,697,667	442,160	133	14,849,156

¹ Includes water use by water districts

TABLE 7B
Industrial Water Supplies
BROAD RIVER SUB-BASIN

County and Industry	Water Use(gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Cherokee County				
Victor Cotton Oil Co.	22,000	52,000	74,000	Ground
Deering Milliken	2,647,258		2,647,258	Surface
Vulcan Materials	800,000	720,000	1,520,000	Surface & Ground
Timken Company	90,500	10,000,000	10,090,500	Surface
Burlington Industries				
Cherokee Falls Plant	65,000	55,000	120,000	Ground
Burton Dixie Corp.	14,000		14,000	Ground
Boren Clay Products	17,500		17,500	Ground
Sub-Total	3,656,258	10,827,000	14,483,258	
Chester County				
Spring Mills-Leroy Plt.	113,789	43,939	157,728	Surface
Spring Mills-Frances Plt.	85,238	39,821	125,059	Surface
Spring Mills-Elliott Plt.	115,808		115,808	Surface
Contractors & Materials	40,000	40,000	80,000	Surface
Virginia Chemicals	200,000		200,000	Surface
sub-Total	554,835	123,760	678,595	
Fairfield County				
Martin Marietta Aggregates	960,000	816,000	1,776,000	Surface
Nylene Corporation	15,000		15,000	Ground
Sub-Total	975,000	816,000	1,791,000	
Greenville County				
Textube Corporation	270,000	175,000	445,000	Ground
Groce Laboratories	10,000	9,000	19,000	Ground
Southern Worsted Mills	88,000		88,000	
Sub-Total	368,000	184,000	552,000	

Con't.

TABLE 7B (con't.)

County and Industry	Water Use(gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Laurens County				
Carolina Comm. Heat	1,000	864,000	865,000	Ground
Vulcan Materials Co.	200,000	180,000	380,000	Surface & Ground
Clinton Mills, Inc.	300,000	400,000	700,000	Surface
W R Grace & Co.	4,300,000	4,300,000	8,600,000	Surface
Sub-Total	4,801,000	5,744,000	10,545,000	
Newberry County (none)				
Richland County				
Richtex	22,500		22,500	Ground
Carolina Ceramics	5,000		5,000	Ground
Sub-Total	27,500		27,500	
Spartanburg				
Bommer Spring Hinge	12,000		12,000	Ground
Spartanburg Abattoir	10,000		10,000	Ground
Reeves Brothers	48,500		48,500	Ground
Metromont Sand Corp.	50,000	50,000	100,000	Surface
Spartanburg Coca Cola Co.	8,748		8,748	
Jackson Mills No. 2	93,600		93,600	Ground
M. Lowenstein & Son	12,000,000	1,000,000	13,000,000	Surface
Bachelder-Blasius	23,000	15,000	38,000	Ground
Wadsworth Industries	274,000		274,000	Ground
Spartan Minerals Division				
Lithium Corp.	50,000	25,000	75,000	Surface
Vulcan Materials Co.	1,500,000	1,300,000	2,800,000	Surface & Ground
Neisco Industries	4,000		4,000	Ground
Southern Wood Piedmont Co.	16,465	55,158	71,623	Surface
Sub-Total	14,090,313	2,445,158	16,535,471	

TABLE 7B (con't.)

County and Industry	Water Use(gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Union County				
Deering Milliken Excelsior Finishing Co.	1,546,399		1,546,399	Surface
Cone Mills Corporation	3,250,000	1,000,000	4,250,000	Surface
Deering Milliken Lockhart Mill	475,831		475,831	Surface
United Merchants & mfgrs.	200,000	25,000	225,000	From own system
Sub-Total	5,472,230	1,025,000	6,497,230	
York County				
G & W Packing Company	17,000		17,000	Ground
Screen Prints	9,600,000		9,600,000	Ground
Sub-Total	9,617,000		9,617,000	
-29- SUB BASIN TOTAL	39,562,136	21,164,918	60,727,054	

TABLE 7C
Water Districts
BROAD RIVER SUB-BASINS

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Cherokee County			
Daniel Morgan	Gaffney	40,000	931
Grassy Pond		112,800	1,880
Draytonville Water District	Lake Welch	112,320	1,872
Goucher Water Co.	Gaffney	22,500	776
Sub-Total		287,620	7,321
Spartanburg County			
Metro Sub-Dist. B	Ground Water	381,000	2,500
Woodruff-Roebuck Water District	Spartanburg	2,000,000	*
Enoree-Riverdale	Ground Water	110,000	788
Liberty-Chesnee-Fingerville	Spartanburg	1,000,000	*
Blue Ridge Water District	Greer	300,000	
Startex-Jackson			
Wethford-Duncan Water District	Spartanburg	2,250,000	*
Inman-Campobello Water District	Spartanburg	1,600,000	*
Una Water District	Spartanburg	1,000,000	
Sub-Total		8,641,000	55,620
Laurens County			
Rabon Creek Water District	Laurens	289,912	5,729
Sub-Total		289,912	5,729

con't.

TABLE 7C (Con't.)

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Chester County (none)			
York County (none)			
Newberry County (none)			
Fairfield County Mid-County	Ground	2,000	500
Sub-Total		2,000	500
Richland County (none)			
Union County			
Santuck-Hebron	Union		
Rocky Creek	Union		
Browns Creek	Union		
Meansville	Union		
Lucksville	Union		
Loverslane	Union		
Sardis	Union		
Sub-Total			
SUB BASIN TOTAL		9,218,532	16,338

* Included with City of Spartanburg

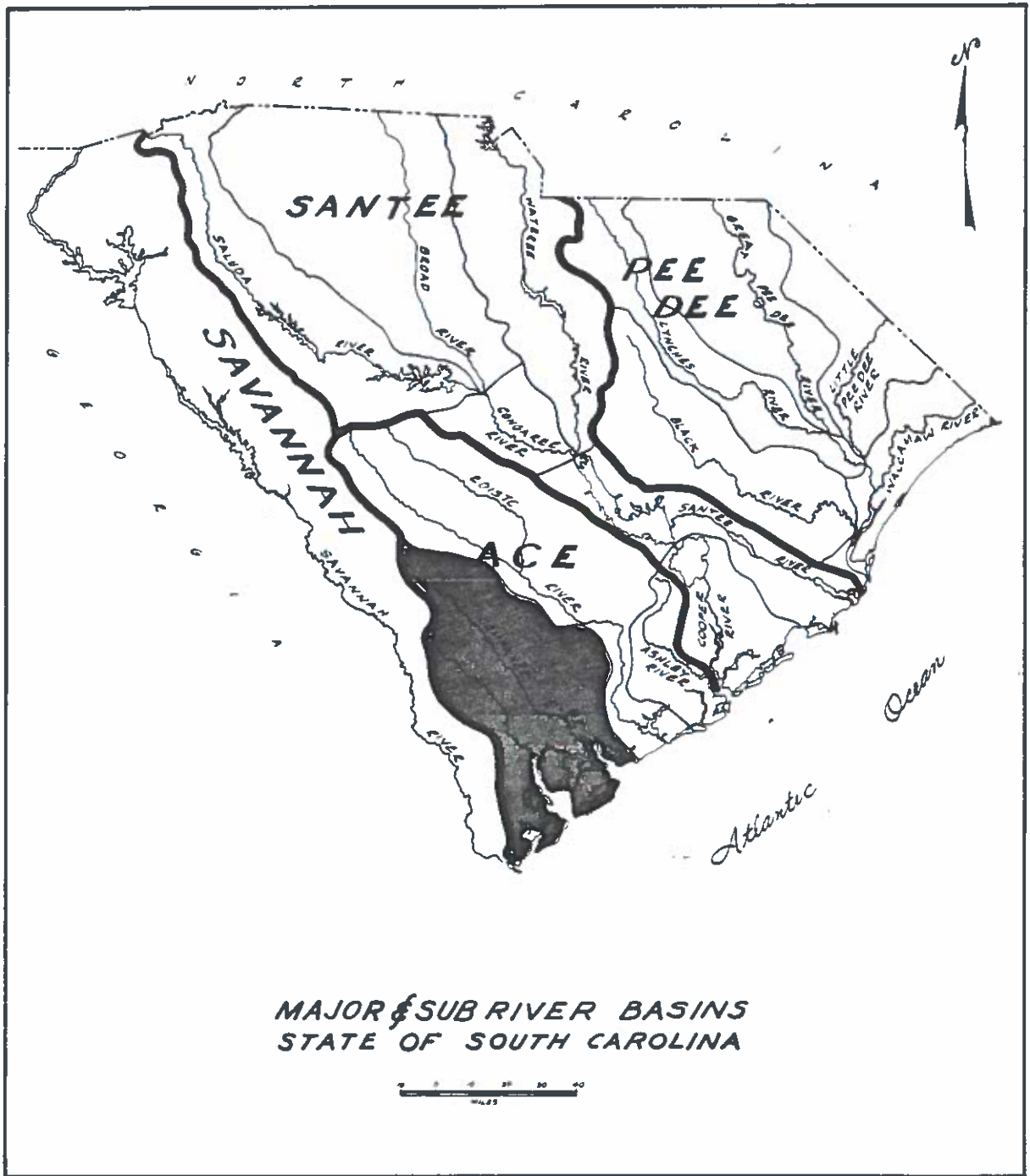


Figure 5: Combahee River Sub-Basin

TABLE 8

COMBAHEE SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	20,191,200 gpd
Total Average Daily Water Use	6,873,875 gpd
Population Served	40,445
Industrial Water	3,227,000 gpd
Average Per Capita Consumption	90 gpd

INDUSTRIAL WATER SUPPLIES

Process Water	3,522,500 gpd
Recycled Water	9,456,000 gpd
Total	12,978,500 gpd

WATER DISTRICTS

Average Daily Water Use	14,805,232 gpd
Population Served	14,897

TOTAL WATER USE

Municipal	6,873,875 gpd
Industrial	12,978,500 gpd
Water Districts	14,805,232 gpd
Total	34,657,607 gpd

TABLE 8A

Water Demand Analysis
Municipal Water Supply Facilities

COMBAHEE RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Allendale County						
Allendale	Wells	1,650,000	275,000	5,220	35	91,000
Fairfax	Wells	425,000	200,000	2,708	74	0
Sycamore	Wells	50,000	5,000	158	32	0
Ulmer	Wells	130,000	30,000	380	79	0
Sub-Total		2,255,000	510,000	8,466		91,000
Bamberg County						
Ehrhardt	Wells	135,000	35,000	805	43	0
Govan	Wells	60,000	5,000	94	53	0
Olar	Wells	250,000	100,000	1,050	95	0
Sub-Total		445,000	140,000	1,949		0
Barnwell County						
Barnwell	Wells	4,750,000	3,250,000	5,075	147	2,505,000
Blackville	Wells	1,692,000	384,000	2,975	129	0
Elko	Wells	100,000	10,375	291	36	0
Hilda	Wells	25,000	15,000	315	48	0
Williston	Wells	1,087,200	1,000,000	3,500	114	600,000
Kline	No system					
Sub-Total		7,654,200	4,659,375	12,156		3,105,000
Beaufort County						
Beaufort	Beaufort & Jasper Water Authority, Savannah Sub-Basin					
Sub-Total						

con't.

TABLE 8A continued

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Colleton County						
Hendersonville	No system					
Lodge	Wells	172,000	21,000	189	111	0
Ruffin	Wells	60,000	20,000	395	51	0
Smoaks	Wells	570,000	10,000	210	48	0
Williams	Wells	302,000	15,000	231	65	0
Sub-Total		1,104,000	66,000	1,025		
Hampton County						
Brunson	Wells	86,000	65,000	875	74	0
Estill	Wells	400,000	320,000	4,300	74	0
Furman	Wells	40,000	10,000	140	71	0
Scotia	Wells	130,000	12,000	105	114	0
Hampton	Wells	2,880,000	391,500	4,200	86	31,000
Luray	Wells	150,000	15,000	121	124	0
Varnville	Wells	1,267,000	150,000	1,628	92	0
Yemassee	Wells	280,000	85,000	875	97	0
Sub-Total		5,233,000	1,048,500	12,244		31,000
Jasper County						
Hardeeville	Wells	1,600,000	200,000	2,592	77	0
Ridgeland	Wells	1,900,000	250,000	2,013	124	0
Sub-Total		3,500,000	450,000	4,605		0
SUB BASIN TOTAL		20,191,200	6,873,875	40,445	90	3,227,000

TABLE 8B

Industrial Water Supplies
COMBAHEE RIVER SUB-BASIN

County and Industry	Water Use(gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Allendale				
J.P. Stevens & Co.	355,000	100,000	455,000	Ground
Sub-Total	355,000	100,000	455,000	
Bamberg				
Kearse Mfg. Co.	15,000	30,000	45,000	Ground & Surface
Sub-Total	15,000	30,000	45,000	
Barnwell				
E.T. Barwick Ind., Inc.	250,000		250,000	Ground
Sub-Total	250,000		250,000	
Beaufort				
Coastal Seafood Co.	5,000		5,000	Ground
Ocean, Lake & River Fish Co.	5,000		5,000	Ground
Porpoise Fish Company	70,000		70,000	Ground
Lowenstein & Sons, Inc.	5,000		5,000	Ground
Burton Block	10,500		10,500	Ground
American Color & Chemical Co.	200,000		200,000	Ground
Sub-Total	295,500		295,500	
Colleton				
(none)				
Hampton				
Deloach Food Company	7,000		7,000	Ground
Westinghouse Elect.	1,400,000	8,186,000	9,586,000	Ground
Sub-Total	1,407,000	8,186,000	9,593,000	
Jasper				
Deerfield Sand & Mining Co.	1,200,000	1,140,000	2,340,000	Surface
Sub-Total	1,200,000	1,140,000	2,340,000	
SUB BASIN TOTAL	3,522,500	9,456,000	12,978,500	

TABLE 8C

Water Districts

COMBAHEE RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Allendale County			
Ind. Park Water District	Ground water	4,000	Industrial
Sub-Total		4,000	
Barnwell County			
(none)			
Bamberg County			
(none)			
Beaufort County			
Broad Creek	Ground water	488,602	2,097
Sea Pines	Ground water	8,449,138	9,090
Public Service Dist.#1	Ground water	217,026	1,400
Forest Beach	Ground water	619,313	1,750
Palmetto Dunes Golf Course	Ground water	880,273	
Hilton Head Plantation	Ground water	258,770	385
Spanish Wells Golf Course	Ground water	49,229	
Hilton Head Golf Course	Ground water	40,849	
Hilton Head Water Co.	Ground water	27,577	175
Sea Pines Golf Course	Ground water	3,770,455	
Sub-total		14,801,232	14,897
Colleton County			
(none)			
Jasper County			
(none)			
SUB BASIN TOTAL		14,805,232	14,897

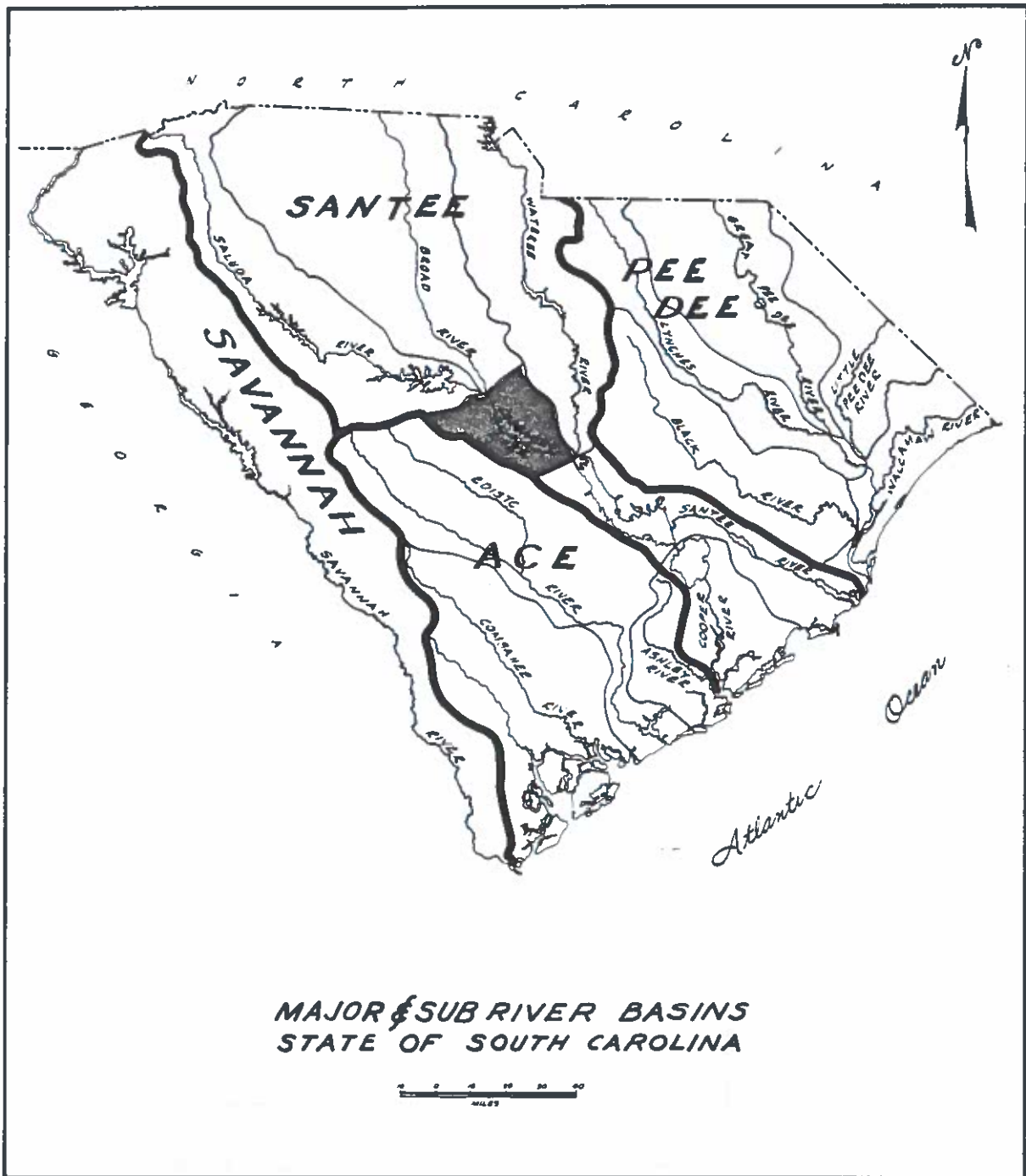


Figure 6: Congaree River Sub-Basin

TABLE 9

CONGAREE RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	4,960,000	gpd
Total Average Daily Water Use	2,674,000	gpd
Population Served	14,545	
Industrial Water	50,000	gpd
Average Per Capita Consumption	180	gpd

INDUSTRIAL WATER SUPPLIES

Process Water	26,616,805	gpd
Recycled Water	18,839,218	gpd
Total	45,456,023	gpd

WATER DISTRICTS

Average Daily Water Use	10,000	gpd
Population Served	500	

TOTAL WATER USE

Municipal	2,674,000	gpd
Industrial	45,456,023	gpd
Water Districts	10,000	gpd
Total	48,140,023	gpd

TABLE 9A

Water Demand Analysis
Municipal Water Supply Facilities

CONGAREE RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal systems (gpd)
Calhoun County (none)						
Lexington County Cayce	Surface	4,500,000	2,500,000	13,345	184	50,000
Red Bank	Surface	288,000	30,000	210	143	0
Sub-Total		4,788,000	2,530,000	13,555		50,000
Richland County Eastover	Wells	172,000	144,000	990	145	
Sub-Total		172,000	144,000	990		
SUB BASIN TOTAL		4,960,000	2,674,000	14,545	180	50,000

TABLE 9B

Industrial Water Supplies

CONGAREE RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Calhoun				
Carolina Eastman Co.	21,772,335	326,589	22,098,924	Surface
Sub-Total	21,772,335	326,589	22,098,924	
Lexington				
Foster-Dixiana Sand, Inc.		432,000	432,000	Ground
Owens Industrial Products	10,470		10,470	Ground
Southern Plastics Co.	100,000		100,000	Ground
Pennsylvania Glass Sand Corp.	1,152,000	5,760,000	6,912,000	Ground & Surface
Owen Electric Steel Co of S C		3,131,229	3,131,229	Surface
Martin Marietta Aggregates	1,728,000		1,728,000	Surface
Caughmans Meat Plant	5,000		5,000	Ground
Sub-Total	2,995,470	9,323,229	12,318,699	
Richland				
Shakespere Company	25,000	50,000	75,000	Ground
Martin Marietta Aggregates	264,000	224,400	488,400	Ground
Mustard Coleman Const. Co.		10,000	10,000	
Trip Asphalt Co.		25,000	25,000	Surface
Columbia Products	40,000		40,000	Ground
Westinghouse Nuclear Fuel	1,520,000	8,880,000	10,400,000	Ground
Sub-Total	1,849,000	9,189,400	11,038,400	
SUB BASIN TOTAL	26,616,805	18,839,218	45,456,023	

TABLE 9C

Water Districts

CONGAREE RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Lexington County Gaston Rural Sub-Total	Ground Water	10,000 10,000	500 500
Richland County (none)			
Calhoun County (none)			
SUB BASIN TOTAL		10,000	500

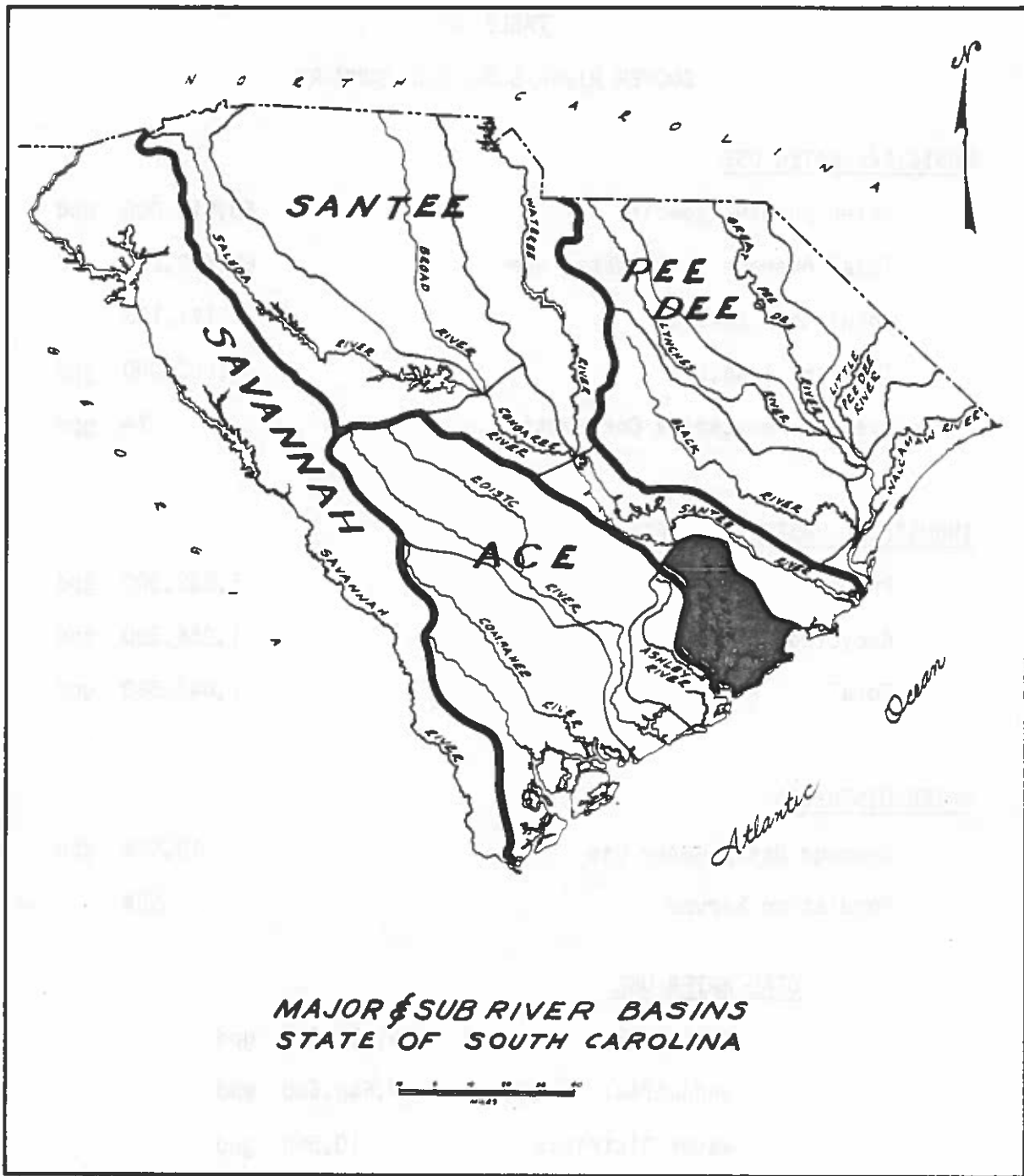


Figure 7: Cooper River Sub-Basin

TABLE 10
COOPER RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	50,914,000	gpd
Total Average Daily Water Use	66,612,237	gpd
Population Served	171,113	
Industrial Water	54,002,000	gpd
Average Per Capita Consumption	74	gpd

INDUSTRIAL WATER SUPPLIES

Process Water	5,682,300	gpd
Recycled Water	1,966,280	gpd
Total	7,648,580	gpd

WATER DISTRICTS

Average Daily Water Use	10,556	gpd
Population Served	504	

TOTAL WATER USE

Municipal	66,612,237	gpd
Industrial	7,648,580	gpd
Water Districts	10,556	gpd
Total	74,271,373	gpd

TABLE 10A

Water Demand Analysis
Municipal Water Supply Facilities

COOPER RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Berkeley County						
Bonneau	No system					
Moncks Corner	Wells	864,000	250,000	4,750	52	2,000
Goose Creek	Wells	1,500,000	980,000	10,640	92	0
Sub-Total		2,364,000	1,230,000	15,390		2,000
Charleston County						
Mt. Pleasant	Wells	2,500,000	900,000	11,900	76	0
Sullivans Island	Wells	250,000	147,237	2,791	53	0
Isle of Palms	Wells	1,800,000	335,000	5,032	67	0
Charleston ¹	Surface	44,000,000	64,000,000	136,000	74	54,000,000
Sub-Total		48,550,000	65,382,237	155,723		54,000,000
SUB BASIN TOTAL		50,914,000	66,612,237	171,113	74	54,002,000

¹ The city supplies untreated water to several industries on their system.

TABLE 10B
Industrial Water Supplies
COOPER RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Berkeley				
Verona Division-Baychem Corp.	4,300,000	1,200,000	5,500,000	Ground
Martin Marietta Aggregates	676,800	575,280	1,252,080	Ground
Westbury Concrete Co., Inc.	5,500		5,500	Ground
Quality Molding	65,000	65,000	130,000	
Sub-Total	5,047,300	1,840,280	6,887,580	
Charleston				
R/M Industrial Products Co.	464,664		464,664	Ground
Mobile Chemical Co.	325,000	10,000	335,000	Ground
Bird & Son, Inc.	285,000	101,000	386,000	Ground
Swift Chemical Co.	25,000	15,000	40,000	Ground
Sub-Total	635,000	126,000	761,000	
Dorchester				
(none)				
SUB BASIN TOTAL	5,682,300	1,966,280	7,648,580	

TABLE 10C

Water Districts

COOPER RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Berkeley (none)			
Charleston Bulls Bay Water District	Ground	10,556	504
Sub-Total		10,556	504
SUB BASIN TOTAL		10,556	504

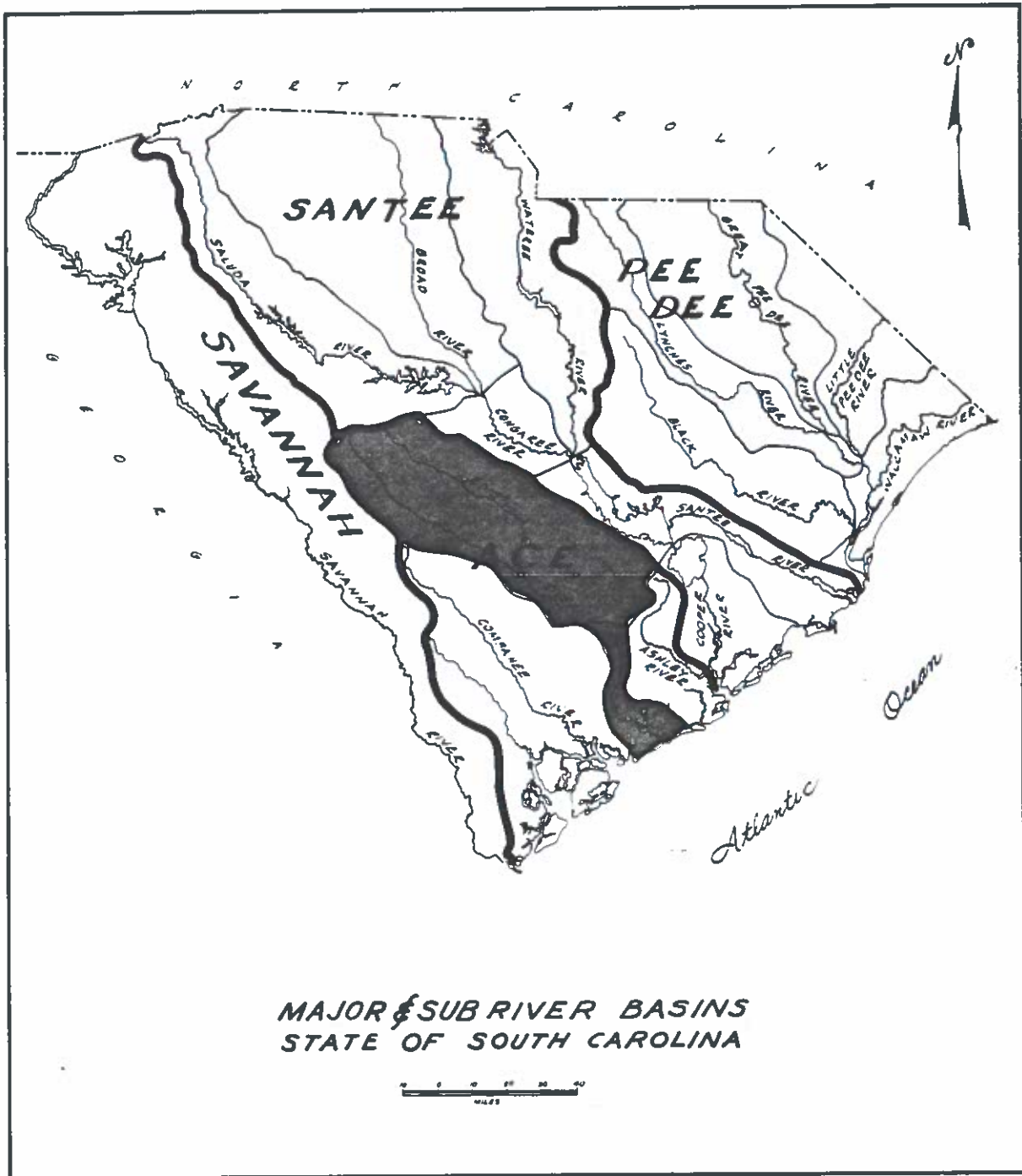


Figure 8: Edisto River Sub-Basin

TABLE 11

EDISTO RIVER SUB BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	30,438,600	gpd
Total Average Daily Water Use	14,720,475	gpd
Population Served	118,639	
Industrial Water	4,214,208	gpd
Average Per Capita Consumption	89	gpd

INDUSTRIAL WATER SUPPLY

Process Water	15,472,600	gpd
Recycled Water	3,814,750	gpd
Total	19,287,350	gpd

WATER DISTRICTS

Average Daily Water Use	99,880	gpd
Population Served	1,975	

TOTAL WATER USE

Municipal	14,720,475	gpd
Industrial	19,287,350	gpd
Water Districts	99,880	gpd
Total	34,107,705	gpd

TABLE 11A

Water Demand Analysis
Municipal Water Supply Facilities

EDISTO RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Aiken County						
Aiken	Surface	3,000,000	2,700,000	29,934	90	0
Monetta	Wells	216,000	17,000	290	59	0
Perry	Wells	86,400	27,513	586	43	2,303
Sally	Wells	432,000	54,000	573	85	5,422
Wagener	Wells	750,000	100,000	1,225	82	0
Sub-Total		4,484,400	2,898,513	32,608		7,725
Bamberg County						
Bamberg	Wells	1,000,000	400,619	4,464	60	131,500
Denmark	Wells	1,857,600	500,000	4,500	102	38,883
Sub-Total		2,857,600	900,619	8,964		170,383
Barnwell County (none)						
Berkeley County (none)						
Calhoun County						
Cameron	Wells	172,000	35,000	475	74	0
Sub-Total		172,000	35,000	475		0
Charleston County (none)						

con't.

TABLE 11A (con't.)

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Colleton County						
Cottageville	No system					
Jacksonboro	No system					
Walterboro	Wells	8,308,000	3,300,000	13,258	136	1,500,000
Sub-Total		8,308,000	3,300,000	13,258		1,500,000
Dorchester County						
Harleyville	Wells	216,000	50,000	802	62	0
Reevesville	No system					
St. George	Wells	849,600	107,143	2,592	41	0
Sub-Total		1,065,600	157,143	3,394		0
Edgefield County						
Trenton	(Edgefield County Water & Sewer Authority (Savannah River Sub-Basin))					
Johnston	(Edgefield County Water & Sewer Authority (Savannah River Sub-Basin))					
Sub-Total						
Lexington County						
Batesburg	Surface	2,000,000	549,200	5,100	65	220,000
Leesville	Wells	864,000	500,000	2,924	68	300,000
Pelion	Wells	86,000	25,000	400	63	0
Swansea	Wells	302,000	75,000	11,364	55	0
Sub-Total		3,252,000	1,149,200	9,788		520,000

Con't.

TABLE 11A (con't.)

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Orangeburg County						
Branchville	Wells	288,000	50,000	1,357	34	3,600
Holly Hill	Wells	305,000	152,000	2,340	65	0
North	Wells	160,000	120,000	1,800	67	0
Norway	Wells	250,000	30,000	385	78	0
Orangeburg	Surface	8,000,000	5,750,000	41,850	89	2,012,500
Springfield	Wells	864,000	78,000	1,120	70	0
Bowman	Wells	432,000	100,000	1,300	77	0
Rowesville	Orangeburg					
Woodford	No system					
Livingston	No system					
Neeses	No system					
Cope	No system					
Cordova	No system					
Sub-Total		10,299,000	6,280,000	50,152		2,016,100
SUB BASIN TOTAL		30,438,600	14,720,475	118,639	89	4,214,208

TABLE 11B

Industrial Water Supplies

EDISTO RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Aiken (none)				
Bamberg (none)				
Barnwell (none)				
Berkeley (none)				
Calhoun Continental Grain Processing	1,440,000	750,000	2,190,000	Ground
Sub-Total	1,440,000	750,000	2,190,000	
Charleston (none)				
Colleton Colleton Tile & Concrete Co.	10,000		10,000	Ground
Walterboro Veneer Co.	4,300	1,500	5,800	Ground
Sub-Total	14,300	1,500	15,800	
Dorchester Giant Portland Cement	1,000,000		1,000,000	Ground
Becker Sand & Gravel Co.	1,500,000	1,350,000	2,850,000	Surface
Star Redi-Mix Inc.	5,100		5,100	Ground
Sub-Total	2,505,100	1,350,000	3,855,100	
con't.				

TABLE 11B (con't.)

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Edgefield (none)				
Lexington (none)				
Orangeburg				
Ethyl Corporation	1,500,000	500,000	2,000,000	Surface
Kemmerlin Meats, Inc.	85,000		85,000	Ground
Deerfield Sand Co.	240,000	228,000	468,000	Surface
Santee Portland Cement	4,492,800	344,800	4,837,600	Ground
J F Cleckley and Company	12,000	12,000	24,000	Ground
Edisto Asphalt Co.	14,400	7,200	21,600	Ground
Holly Hill Lbr. Co.	1,669,000	21,250	1,690,250	Ground
Greenwood Mills Plant # 17	3,500,000	600,000	4,100,000	Ground
Sub-Total	11,513,200	1,713,250	13,226,450	
Saluda (none)				
SUB BASIN TOTAL	15,472,600	3,814,750	19,287,350	

TABLE 11C
 Water Districts
 EDISTO RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Edgefield County (none)			
Lexington County (none)			
Aiken County New Holland	Ground	17,880	298
Sub-Total		17,880	298
Barnwell County (none)			
Bamberg County (none)			
Calhoun County (none)			
Orangeburg County			
Bull Swamp Water District	Ground	No data	
Silver Springs Water District	Ground	13,000	525
Sub-Total		13,000	525
Berkeley County (none)			
Charleston County (none)			
Dorchester County (none)			
Colleton County			
Water Co. Edisto Beach	Ground	49,000	980
Edisto Water Co.	Ground	20,000	172
Sub-Total		69,000	1,152
SUB BASIN TOTAL		99,880	1,975

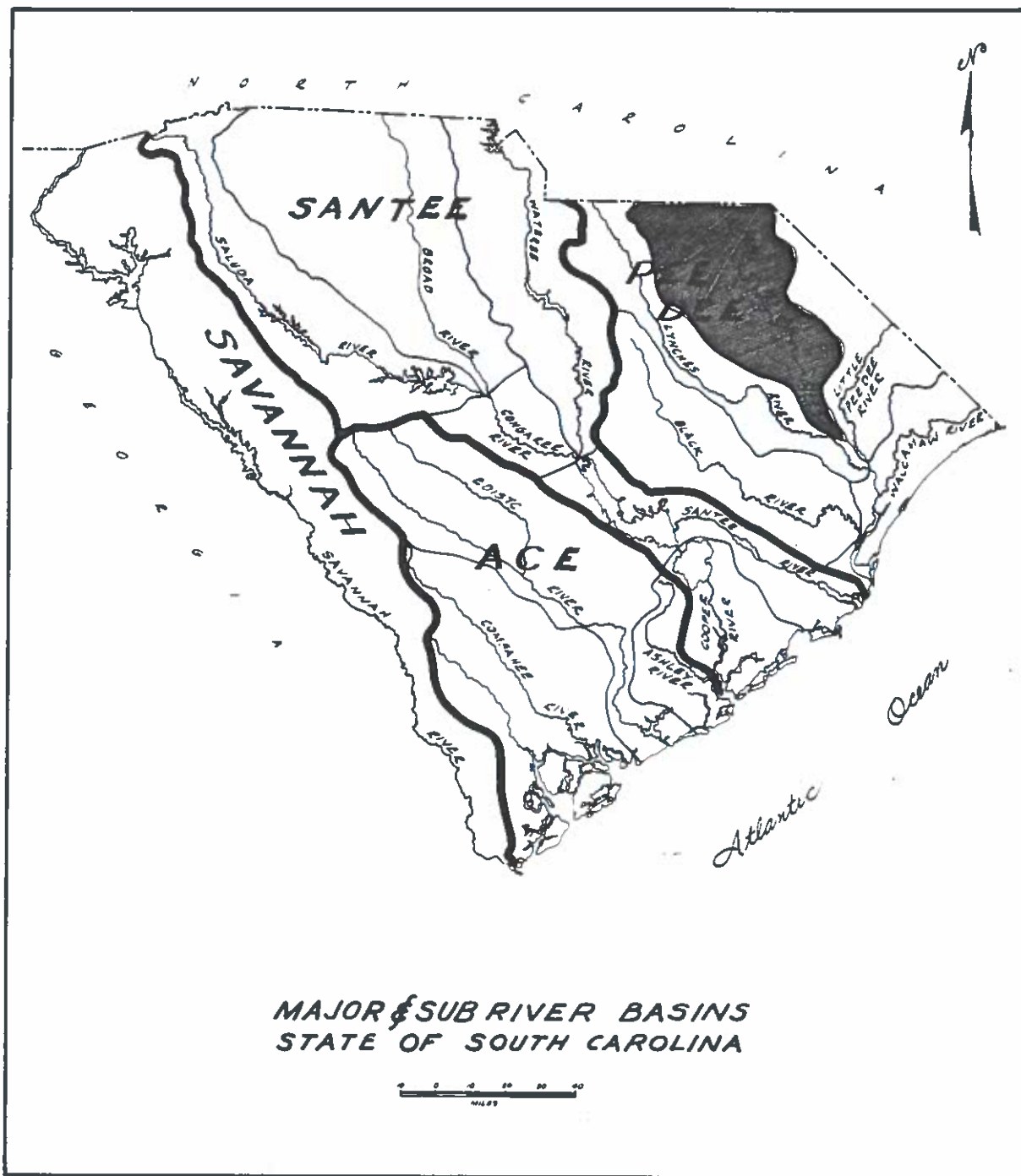


Figure 9: Great Pee Dee River Sub-Basin

TABLE 12

GREAT PEE DEE RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	23,508,000	gpd
Total Average Daily Water Use	13,504,000	gpd
Population Served	95,547	
Industrial Water	3,350,000	gpd
Average Per Capita Consumption	106	gpd

INDUSTRIAL WATER SUPPLY

Process Water	53,252,562	gpd
Recycled Water	177,323,000	gpd
Total	230,575,562	gpd

WATER DISTRICTS

Average Daily Water Use	70,000	gpd
Population Served	581	

TOTAL WATER USE

Municipal	13,504,000	gpd
Industrial	230,575,562	gpd
Water Districts	70,000	gpd
Total	244,149,562	gpd

TABLE 12A

Water Demand Analysis
Municipal Water Supply Facilities

GREAT PEE DEE RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Chesterfield County						
Cheraw	Surface	3,000,000	2,100,000	8,250	140	945,000
Chesterfield	Surface	1,000,000	225,000	2,611	84	5,000
Mt. Croghan	Chesterfield					
Pageland	Surface	1,200,000	500,000	4,844	81	108,000
Ruby	Pageland					
Patrick	Wells	70,000	30,000	500	60	0
Sub-Total		5,270,000	2,855,000	16,205		1,058,000
Darlington County						
Crestview	No system					
Darlington	Wells	1,380,000	900,000	9,245	70	250,000
Hartsville	Wells	3,900,000	1,500,000	12,000	100	303,000
Pineridge	No system					
Dovesville	No system					
Society Hill	Wells	432,000	60,000	817	73	0
Sub-Total		5,712,000	2,460,000	22,062		553,000
Dillon County (none)						
Florence County						
Florence	Wells	6,660,000	5,500,000	35,175	135	743,000
Quimby	Wells	288,000	75,000	1,029	73	0
Sub-Total		6,948,000	5,575,000	36,204		743,000

con't.

TABLE 12A (con't.)

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Marion County						
Marion	Wells	2,160,000	1,000,000	9,100	72	348,000
Sellers	No system					
Sub-Total		2,160,000	1,000,000	9,100	72	348,000
Marlboro County						
Bennettsville	Wells	3,000,000	1,400,000	10,000	79	608,000
Clio	Wells	368,000	174,000	1,100	122	40,000
Tatum	No system					
Wallace	Wells	50,000	40,000	876	46	0
Sub-Total		3,418,000	1,614,000	11,976		648,000
SUB BASIN TOTAL		23,508,000	13,504,000	95,547	106	3,350,000

TABLE 12B

Industrial Water Supplies

GREAT PEE DEE RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Chesterfield				
Cheraw Yarn Mills	25,000		25,000	Ground Surface (Rhodes Branch)
Becker Sand & Gravel Co. Bennettsville Plant	7,200,000	3,800,000	11,000,000	
Becker Sand & Gravel Co. Cheraw Plant	2,800,000	2,500,000	5,300,000	Surface Ground
F.I. Williams Co., Inc.	60,000		60,000	
Sub-Total	10,085,000	6,300,000	16,385,000	
Darlington				
American Can Company Dixie Cup Division	300,000		300,000	Ground Surface
Sonoco Products	3,380,000	52,220,000	55,600,000	
International Mineral & Chemical	10,000		10,000	Ground Surface
Darlington Veneer Co.	32,000		32,000	
Burlington Industries, Inc. Society Hill Plant	5,227,896		5,227,896	Surface
Fiber Industries Inc. Palmetto Plant	500,000	43,200,000	43,700,000	
Roller Bearing Co. of America	5,500		5,500	Ground
Nucor Steel	1,500,000	1,300,000	2,800,000	
Asphalt Products	30,000		30,000	Ground
Sub-Total	10,985,396	96,720,000	107,705,396	

TABLE 12B (con't.)

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Florence				
McCall Farms, Inc.	25,000		25,000	Ground
Union Carbide Corp.	90,000		90,000	Ground
Ready Mix Concrete Co.	9,000		9,000	Ground
Southeastern Steel Co.				
Florence Plant	3,000		3,000	Ground
Koppers Co.	100,000	40,000	140,000	Ground
J.P. Stevens Co.				
Cypress Plant	34,000		34,000	Ground
E.I. DuPont Co.	8,000,000		8,000,000	Surface
Florence Concrete	15,000		15,000	Ground
City Ice & Fuel	20,000		20,000	Ground
Carolina Veneer	10,000		10,000	Ground
King Veneer	9,000		9,000	Ground
S.C. Industries Inc.	13,500,000	69,000,000	82,500,000	Surface
Sub-Total	21,815,000	69,040,000	90,855,000	
Marion				
AVM of S.C. Inc.	143,000		143,000	Ground
Coastal Coca Cola	39,500	12,000	51,500	Ground
Marion Lumber	15,000		15,000	Ground
Coastal Lumber	10,000		10,000	Ground
Sub-Total	207,500	12,000	219,500	

con't.

TABLE 12B (con't.)

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Marlboro		100,000	600,000	Ground
Mohasco Industries	500,000		110,916	Ground
Oak River Mills	110,916		12,000	Ground
Marnat Packing Co.	12,000			
Firestone Synthetic Fibers				Surface
Lawrence Stone Plant # 3		500,000	1,100,000	
Becker Sand & Gravel Co.	600,000		5,700,000	Surface
Bennettsville Plant		2,700,000	8,750	Ground
Becker Sand & Gravel Co.	3,000,000		7,841,000	Surface/Ground
Blenheim Plant	8,750		12,000	Ground
Palmetto Brick	5,895,000	1,946,000	26,000	Ground
J.P. Stevens & Co.-Delta Plt.	12,000			
Powell Mfg. Co., Inc.	21,000	5,000	15,410,666	
Pepsi Cola Bottling	10,159,666	5,251,000		
Sub-Total				
	53,252,562	177,323,000	230,575,562	
SUB BASIN TOTAL				

TABLE 12C
 Water Districts
 GREAT PEE DEE SUB BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Chesterfield County			
Plainview Rural	Ground Water	4,000	114
Cash Rural	Ground Water	1,000	217
Sub-Total		5,000	331
Darlington County (none)			
Dillon County (none)			
Florence County (none)			
Marion County			
Marion Rural	Ground Water	65,000	250
Sub-Total		65,000	250
Marlboro County (none)			
Georgetown County (none)			
SUB BASIN TOTAL		70,000	581

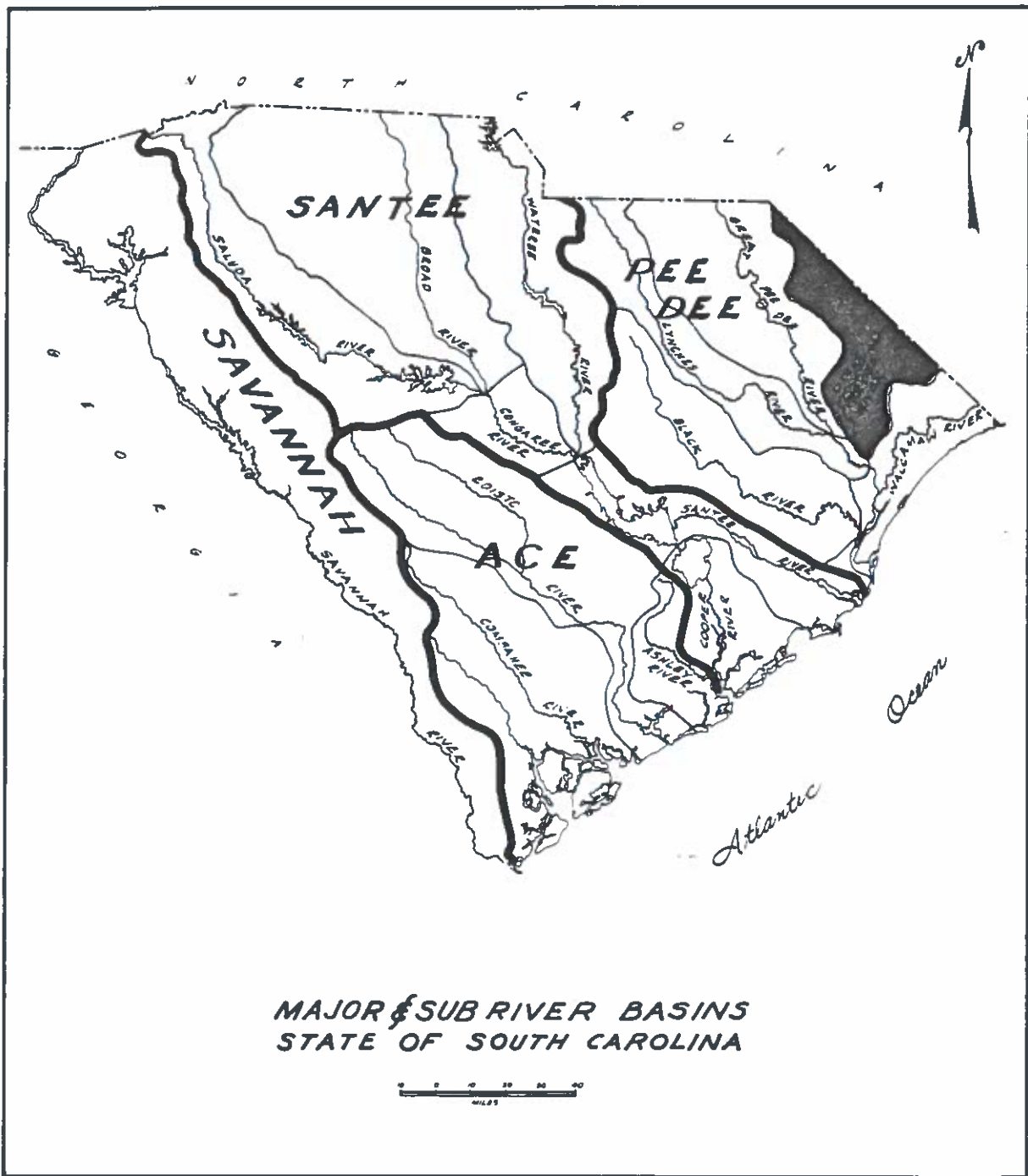


Figure 10: Little Pee Dee River Sub-Basin

TABLE 13

LITTLE PEE DEE SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	10,237,000	gpd
Total Average Daily Water Use	3,458,900	gpd
Population Served	28,997	
Industrial Water	1,328,500	gpd
Average Per Capita Consumption	73	gpd

INDUSTRIAL WATER SUPPLY

Process Water	879,936	gpd
Recycled Water	160,978	gpd
Total	1,040,914	gpd

WATER DISTRICTS

Average Daily Water Use	73,000	gpd
Population Served	5,861	

TOTAL WATER USE

Municipal	3,458,900	gpd
Industrial	1,040,914	gpd
Water Districts	73,000	gpd
Total	4,572,814	gpd

TABLE 13A

Water Demand Analysis
Municipal Water Supply Facilities

LITTLE PEE DEE RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity (gpd)	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Dillon County						
Dillon	Wells	1,130,000	1,000,000	8,740	90	210,000
Lake View	Wells	657,000	82,500	1,387	59	0
Latta	Wells	1,656,000	125,000	2,740	42	8,700
Sub-Total		3,443,000	1,207,500	12,867		218,700
Horry County						
Aynor	Wells	720,000	71,400	1,020	51	19,000
Loris	Wells	2,304,000	254,000	2,400	82	57,800
Sub-Total		3,024,000	325,400	3,420		76,800
Marion County						
Mullins	Wells	3,000,000	1,500,000	9,000	56	1,000,000
Nichols	Wells	100,000	41,000	810	51	0
Sub-Total		3,100,000	1,541,000	9,810		1,000,000
Marlboro County						
McColl	Wells	670,000	385,000	2,900	121	33,000
Sub-Total		670,000	385,000	2,900		33,000
SUB BASIN TOTAL		10,237,000	3,458,900	28,997	73	1,328,500

TABLE 13B

Industrial Water Supplies

LITTLE PEE DEE RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Dillon				
Rownd & Son Inc.	8,936	5,898	14,834	Ground
Mohasco Industries	750,000	100,000	850,000	Ground
Caro-Maid Ice Cream Co., Inc.	120,000	-0-	120,000	Ground
Sub-Total	878,936	105,898	984,834	
Horry				
Hardee Manufacturing	1,000	55,080	56,080	Ground
Sub-Total	1,000	55,080	56,080	
Marion				
(none)				
Marlboro				
(none)				
SUB BASIN TOTAL	879,936	160,978	1,040,914	

TABLE 13C

Water Districts

LITTLE PEE DEE RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Dillon County Trico Water Co.	Ground Water	73,000	5,861
Sub-Total		73,000	5,861
Marion County (none)			
Marlboro County (none)			
Horry County (none)			
SUB-BASIN TOTAL		73,000	5,861

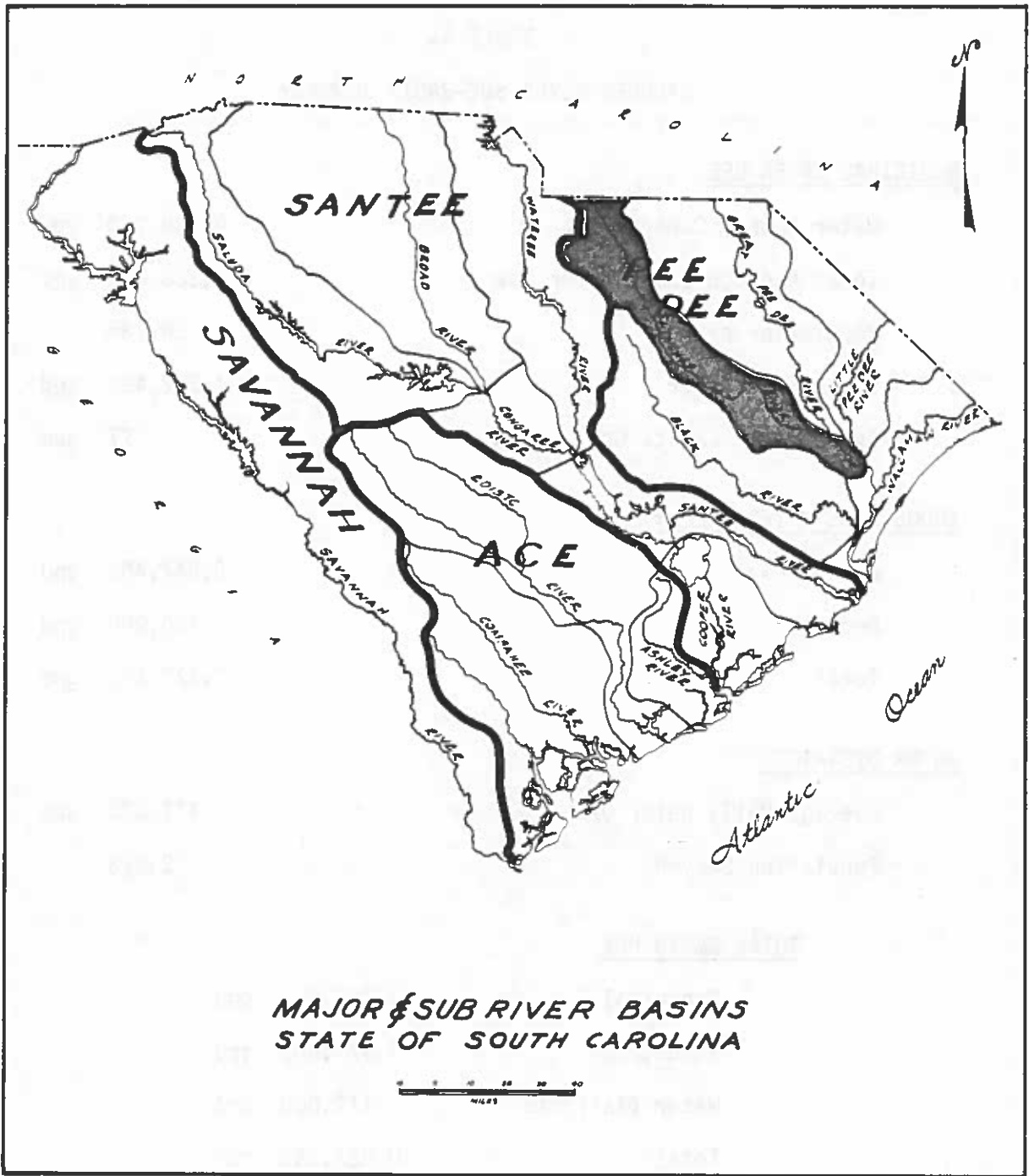


Figure 11: Lynches River Sub-Basin

TABLE 14
LYNCHEs RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	9,439,000	gpd
Total Average Daily Water Use	3,228,848	gpd
Population served	25,785	
Industrial Water	1,232,423	gpd
Average Per Capita Consumption	77	gpd

INDUSTRIAL WATER SUPPLY

Process Water	6,047,402	gpd
Recycled Water	1,430,000	gpd
Total	7,477,402	gpd

WATER DISTRICTS

Average Daily Water Use	117,000	gpd
Population Served	2,013	

TOTAL WATER USE

Municipal	3,228,848	gpd
Industrial	7,477,402	gpd
Water Districts	117,000	gpd
Total	10,823,250	gpd

TABLE 14A
Water Demand Analysis
Municipal Water Supply Facilities

LYNCHES RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Chesterfield County						
Jefferson	Surface	800,000	600,000	928	108	500,000
McBee	Wells	821,000	200,000	1,113	60	133,000
Sub-Total		1,621,000	800,000	2,041		633,000
Darlington County						
Lamar	Well	375,000	112,700	1,610	70	0
Lydia	No system					
Sub-Total		375,000	112,700	1,610		0
Florence County						
Coward	No system					
Johnsonville	Wells	1,008,000	300,000	1,925	87	133,000
Lake City	Wells	1,800,000	797,048	7,000	67	329,623
Pamplico	Wells	650,000	150,000	1,550	92	7,000
Timmonsville	Wells	1,080,000	300,000	2,625	111	8,300
Scranton	Wells	86,000	44,100	735	60	0
Sub-Total		4,624,000	1,591,148	13,835		477,923
Lancaster County						
Heath Springs	Lancaster District					
Lee County						
Elliott	No system					
Lynchburg	Wells	389,000	60,000	612	98	0
Sub-Total		389,000	60,000	612		0

con't.

TABLE 14A (con't.)

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Kershaw County						
Bethune	Wells	550,000	50,000	897	55	500
Kershaw	Surface	380,000	315,000	4,290	63	46,000
Sub-Total		930,000	365,000	5,187		46,500
Sumter County (none)						
Williamsburg County						
Hemingway	Wells	1,500,000	300,000	2,500	90	75,000
Sub-Total		1,500,000	300,000	2,500		75,000
SUB BASIN TOTAL		9,439,000	3,228,848	25,785	77	1,232,423

TABLE 14B
Industrial Water Supplies
LYNCHEs RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Chesterfield (none)				
Darlington (none)				
Florence				
J.P. Stevens & Co.	67,000		67,000	Ground
Becker Sand & Gravel	1,500,000	1,350,000	2,850,000	Surface
Pine Bay Dairy	20,000		20,000	Ground
Wellman Industries	1,000,000	80,000	1,080,000	Ground
Sub-Total	2,587,000	1,430,000	4,017,000	
Kershaw				
Kendall Co. Bethune Plt.	1,608,156		1,608,156	Ground
Sub-Total	1,608,156		1,608,156	
Lancaster				
Mineral Mining Corp.	8,000		8,000	Ground
Springs Mills Inc.	194,246		194,246	Surface
Sub-Total	202,246		202,246	
Lee				
Reeves Brothers, Inc.	1,650,000		1,650,000	Ground
Sub-Total	1,650,000		1,650,000	
Williamsburg (none)				
SUB BASIN TOTAL	6,047,402	1,430,000	7,477,402	

TABLE 14C

Water Districts

LYNCHES RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Kershaw County			
Cassatt Water District	Ground Water	90,000	1,558
Bethune Rural	Ground Water	27,000	455
Sub-Total		117,000	2,013
Lee County (none)			
Sumter County (none)			
Chesterfield County (none)			
Darlington County (none)			
Florence County Lynch Water District	Ground Water	No Data Available	
Williamsburg County (none)			
SUB BASIN TOTAL		117,000	2,013

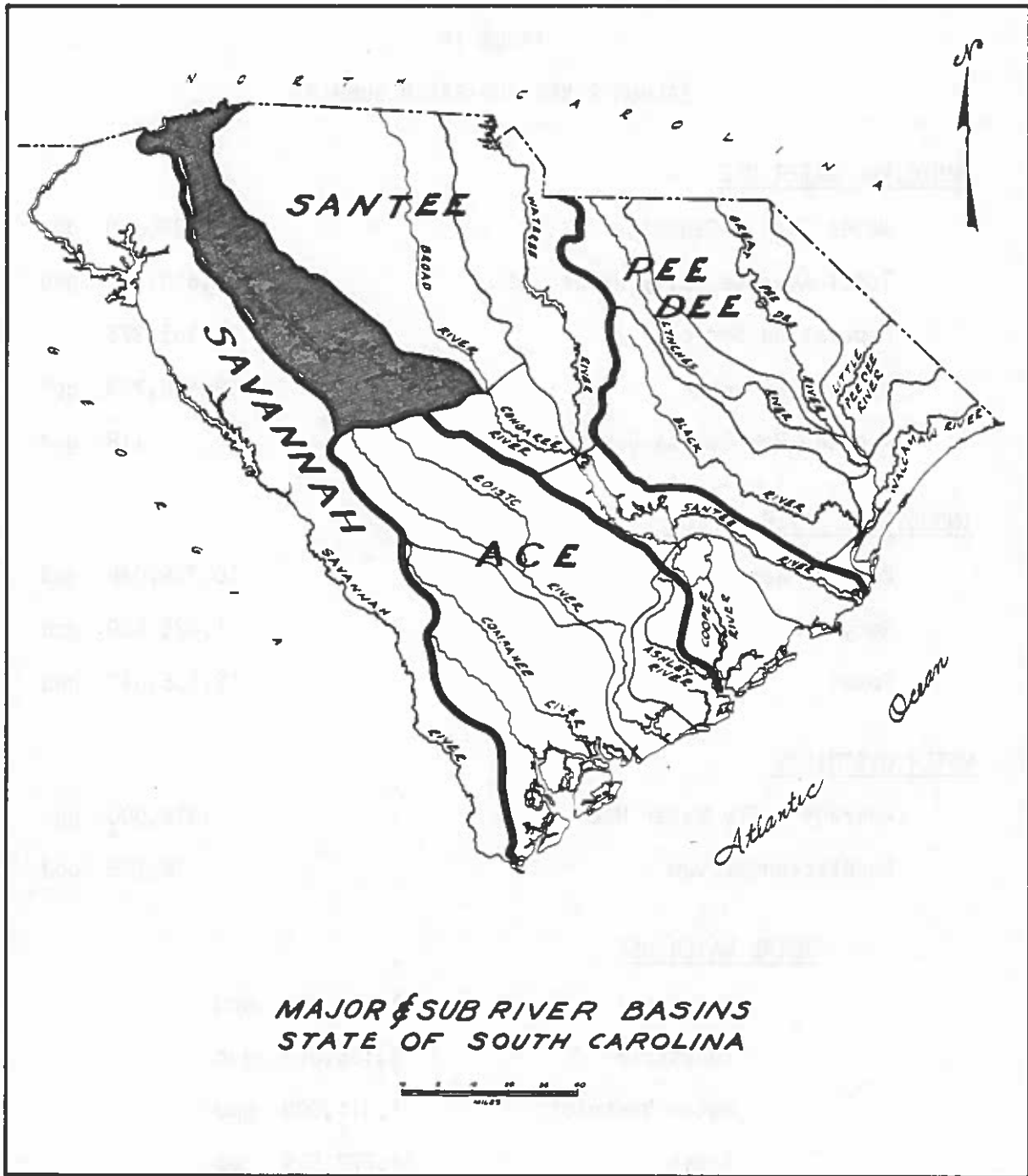


Figure 12: Saluda River Sub-Basin

TABLE 15
SALUDA RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	132,238,000	gpd
Total Average Daily Water Use	61,610,500	gpd
Population Served	365,375	
Industrial Water	18,408,270	gpd
Average Per Capita Consumption	118	gpd

INDUSTRIAL WATER SUPPLY

Process Water	10,729,039	gpd
Recycled Water	1,425,980	gpd
Total	12,155,019	gpd

WATER DISTRICTS

Average Daily Water Use	1,014,000	gpd
Population Served	16,775	gpd

TOTAL WATER USE

Municipal	61,610,500	gpd
Industrial	12,155,019	gpd
Water Districts	1,014,000	gpd
Total	74,779,519	gpd

TABLE 15A

Water Demand Analysis
Municipal Water Supply Facilities

SALUDA RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Abbeville County Donalds	Belton-Honea Path Water Authority					
Anderson Belton-Honea Path Water Authority	Surface	3,500,000	1,640,000	14,409	108	78,000
Pelzer	Wells	320,000	170,000	2,345	72	0
West Pelzer	Wells	100,000	66,000	1,225	54	0
Williamston	Surface	1,000,000	800,000	5,100	111	233,000
Sub-Total		4,920,000	2,676,000	23,079		311,000
Greenville County Greenville	Surface	90,000,000	40,000,000	229,760	121	12,200,000
Piedmont Water Co.	Wells	200,000	125,000	2,368	53	0
Sub-Total		90,200,000	40,125,000	232,128		12,200,000
Greenwood County Greenwood	Surface	9,500,000	6,500,000	28,700	139	2,500,000
Hodges	No system					
Ninety Six	Greenwood					
Ware Shoals	Reigel Textile					
Sub-Total		9,500,000	6,500,000	28,700		2,500,000

con't.

TABLE 15A (con't.)

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Laurens County						
Cross Hill	No system					
Gray Court	Wells	275,000	42,500	920	45	1,000
Laurens	Surface	4,000,000	2,500,000	14,500	112	880,000
Joanna	Well	432,000	300,000	3,000	49	152,982
Sub-Total		4,617,000	2,842,500	18,420		1,033,982
Lexington County						
Chapin	Wells	76,000	38,000	515	64	5,000
Lexington	Surface	3,360,000	450,000	3,485	57	250,000
W. Columbia	Surface	4,800,000	3,300,000	20,400	137	500,000
Sub-Total		8,236,000	3,788,000	24,400		755,000
Newberry County						
Little Mountain	Wells	40,000	15,000	250	60	
Newberry	Surface	5,000,000	1,500,000	14,173	73	458,288
Prosperity	Wells	625,000	210,000	1,175	54	146,000
Silverstreet	Newberry					
Sub-Total		5,665,000	1,725,000	15,598		604,288
Pickens County						
Easley	Surface	9,000,000	3,900,000	22,050	132	1,000,000
Sub-Total		9,000,000	3,900,000	22,050		1,000,000
Richland County (none)						

con't.

TABLE 15A (con't.)

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Saluda County						
Ridge Spring	Well	100,000	54,000	1,000	50	4,000
Saluda Ward	Newberry Water District					
	No system					
Sub-Total		100,000	54,000	1,000		4,000
SUB BASIN TOTAL		132,238,000	61,610,500	365,375	118	18,408,270

TABLE 15B
Industrial Water Supplies
SALUDA RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Abbeville (none)				
Anderson				
Bieglow-Sanford	18,500		18,500	Ground
Sub-Total	18,500		18,500	
Greenville				
Riegel Textile Corp.	35,000		35,000	Ground
Vulcan Materials	1,100,000	1,000,000	2,100,000	Ground
National Plastics Inc.	12,716	40,000	52,716	Ground
Roy Metal Finishing Co.	30,000		30,000	Ground
Gilliams Provision	5,000		5,000	Ground
Sloan Construction	17,750	15,980	33,730	Ground & Surface
Cone Mill Corp.	1,975,000	350,000	2,325,000	Surface
Models Coat Inc.	15,000		15,000	Ground
Sub-Total	3,190,466	1,405,980	4,596,446	
Greenwood				
Riegel Textile Corp.	3,506,375		3,506,375	Surface
Greenwood Mills-Sloan Plant	47,000		47,000	Surface
Greenwood Mills-Adams Plant	45,000		45,000	Surface
Greenwood Mills-Ninty Six Plant	75,832		75,832	Surface
Sub-Total	3,674,207		3,674,207	
Laurens (none)				

con't.

TABLE 15B (con't.)

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Lexington Carolina Steel & Wire	35,000		35,000	Ground Surface
General Electric Co.	3,257,866		3,257,866	
Sub-Total	3,292,866		3,292,866	
Newberry Kendall Co. Oakland Plt.	130,000	20,000	150,000	Ground
Sub-Total	130,000	20,000	150,000	
Pickens The Singer Co.	334,000		334,000	Ground
Richland (none)				
Saluda W.M. Gentry & Son	89,000		89,000	Ground
Sub-Total	89,000		89,000	
SUB BASIN TOTAL	10,729,039	1,425,980	12,155,019	

TABLE 15C
Water Districts
SALUDA RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Anderson County			
Big Creek Water & Sewer District	Williamston	300,000	3,135
Saluda Valley Powdersville Water Company, Inc.	Easley	600,000	8,400
Sub-Total		900,000	11,535
Pickens County			
Cedar Park	Burdin Lake & Saluda Lake	64,000	3,740
Sub-Total		64,000	3,740
Abbeville County (none)			
Greenwood County (none)			
Laurens County (none)			
Saluda County (none)			
Lexington County			
Gilbert-Summit	Ground Water	50,000	1,500
Sub-Total		50,000	1,500
Newberry County (none)			
Richland County (none)			
SUB-BASIN TOTAL		1,014,000	16,775

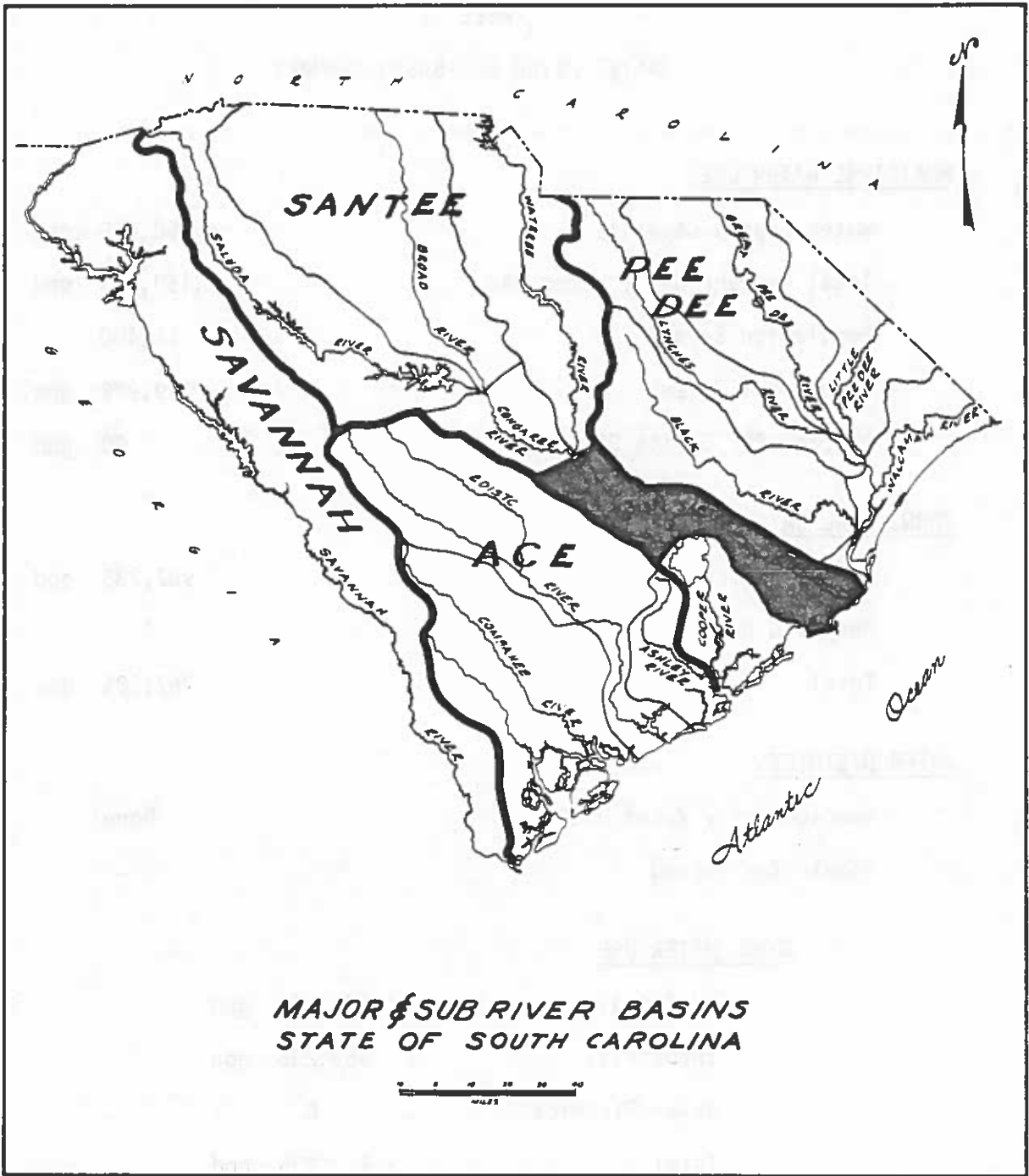


Figure 13: Santee River Sub-Basin

TABLE 16
SANTEE RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	4,060,000	gpd
Total Average Daily Water Use	1,150,000	gpd
Population Served	11,400	
Industrial Water	119,942	gpd
Average Per Capita Consumption	90	gpd

INDUSTRIAL WATER SUPPLY

Process Water	967,235	gpd
Recycled Water	0	
Total	967,235	gpd

WATER DISTRICTS

Average Daily Water Use	None
Population Served	-

TOTAL WATER USE

Municipal	1,150,000	gpd
Industrial	967,235	gpd
Water Districts	0	
Total	2,117,235	gpd

TABLE 16A

Water Demand Analysis
Municipal Water Supply Facilities

SANTEE RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water use(gpd)	Average Daily Industrial Use From Municipal Systems (gpd)
Berkeley County						
Jamestown	Wells	50,000	15,000	200	75	0
St. Stephen	Wells	360,000	100,000	1,900	47	10,000
Sub-Total		410,000	115,000	2,100		10,000
Calhoun County						
St. Matthews	Wells	1,000,000	350,000	3,960	86	10,500
Sub-Total		1,000,000	350,000	3,960		10,500
Charleston County						
McClellanville	No system					
Clarendon County						
Summerton	Wells	1,880,000	310,000	2,000	122	65,442
Sub-Total		1,880,000	310,000	2,000		65,442
Georgetown (none)						
Orangeburg County						
Elloree	Wells	500,000	275,000	2,160	112	34,000
Santee	No system					
Eutawville	Wells	130,000	25,000	480	52	0
Sub-Total		630,000	300,000	2,640		34,000

con't.

TABLE 16A (con't.)

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water use(gpd)	Average Daily Industrial Use From Municipal Systems (gpd)
Sumter County						
Pinewood	Wells	140,000	75,000	700	107	0
Sub-Total		140,000	75,000	700	107	0
Williamsburg County (none)						
SUB BASIN TOTAL		4,060,000	1,150,000	11,400	90	110,942

TABLE 16B

Industrial Water Supplies

SANTEE RIVER SUB-BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Berkeley				
Albany Felt Co.	256,300		257,300	Ground
Santee River Wool	400,000		400,000	Ground & Surface
Georgia Pacific Corp.	309,935		309,935	Surface
Sub-Total	967,235		967,235	
Calhoun				
(none)				
Charleston				
(none)				
Clarendon				
(none)				
Georgetown				
(none)				
Orangeburg				
(none)				
Sumter				
(none)				
Williamsburg				
(none)				
SUB BASIN TOTAL	967,235		967,235	

TABLE 16C
 Water Districts
 SANTEE RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Calhoun County (none)			
Clarendon County (none)			
Sumter County (none)			
Georgetown County (none)			
Williamsburg County (none)			
Berkeley County (none)			
Charleston County (none)			

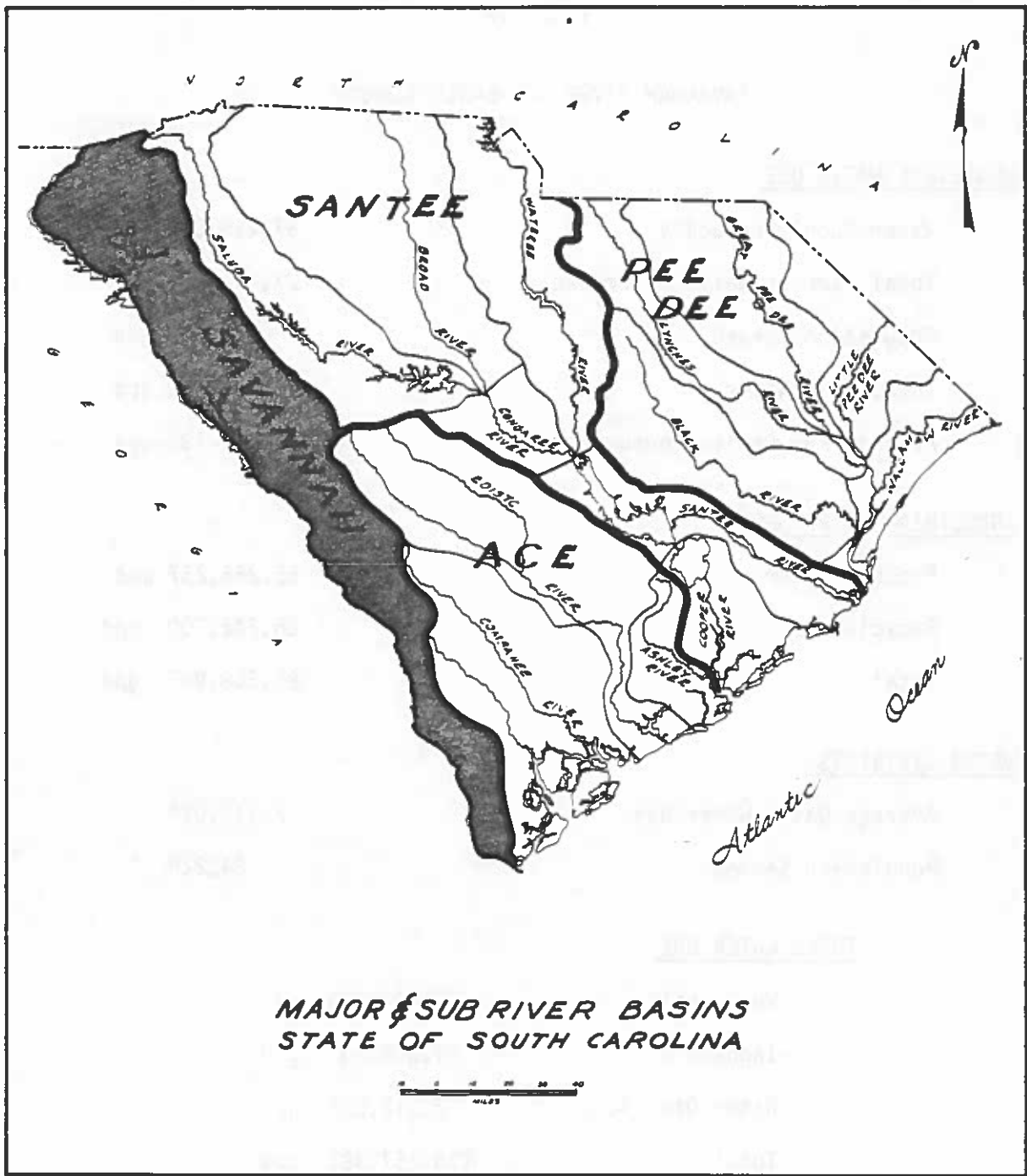


Figure 14: Savannah River Sub-Basin

TABLE 17

SAVANNAH RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	57,250,000 gpd
Total Average Daily Water Use	27,437,006 gpd
Population Served	145,846 gpd
Industrial Water	7,361,530 gpd
Average Per Capita Consumption	138 gpd

INDUSTRIAL WATER SUPPLY

Process Water	55,266,257 gpd
Recycled Water	26,242,700 gpd
Total	81,508,957 gpd

WATER DISTRICTS

Average Daily Water Use	7,312,024
Population Served	84,220

TOTAL WATER USE

Municipal	27,437,006 gpd
Industrial	81,508,957 gpd
Water Districts	7,312,024 gpd
Total	116,257,987 gpd

TABLE 17A
Water Demand Analysis
Municipal Water Supply Facilities

SAVANNAH RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Abbeville County						
Abbeville	Surface	6,000,000	1,500,000	7,700	86	840,000
Calhoun Falls	Surface	1,000,000	350,000	3,120	65	147,325
Due West	Belton-Honea Path					
Antreville	No system					
Lowndesville	No system					
Sub-Total		7,000,000	1,850,000	10,820		987,325
Aiken County						
North Augusta	Surface	4,000,000	1,600,000	17,680	90	0
New Ellenton	Wells	1,000,000	400,000	3,720	108	0
Jackson	Wells	1,000,000	200,000	2,412	81	3,650
Graniteville	Surface	2,000,000	2,000,000	1,550	129	1,800,000
Sub-Total		8,000,000	4,200,000	25,362		1,803,650
Allendale County (none)						
Anderson County						
Anderson(Duke Power)	Surface	18,000,000	8,020,500	40,800	162	1,427,500
Pendleton	Duke Power					
Sub-Total		18,000,000	8,020,500	40,800		1,427,500
Hampton County						
Garnett	No system					
Scotia	No system		(system in Combahee Basin)			
Sub-Total	No systems		in Hampton County			

TABLE 17A (con't.)

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Jasper County						
Beaufort-Jasper Water Authority	Surface	8,000,000	4,627,000	35,000	129	100,000
Sub-Total		8,000,000	4,627,000	35,000		100,000
McCormick County						
McCormick	Surface	2,500,000	1,000,000	2,800	210	412,438
Mt. Carmel	No system					
Plum Branch	No system					
Parksville	No system					
Sub-Total		2,500,000	1,000,000	2,800		412,438
Oconee County						
Walhalla	Surface	2,000,000	1,400,000	9,920	101	400,000
Seneca	Surface	4,000,000	1,800,000	7,000	200	400,000
Westminister	Surface	1,450,000	1,000,000	4,800	141	325,000
Salem	Wells	50,000	39,506	624	54	5,617
Newry	No system					
Oakway	No system					
Tokeena	No system					
Fairplay	No system					
Sub-Total		7,500,000	4,239,506	22,344		1,130,617
Pickens County						
Pickens ¹	Surface	5,000,000	2,500,000	5,000	300	1,000,000
Liberty	Surface	1,250,000	1,000,000	3,720	134	500,000
Sub-Total		6,250,000	3,500,000	8,720		1,500,000
SUB BASIN TOTAL		57,250,000	27,437,006	145,846		7,361,530

¹ Population does not include water districts served by Pickens.

TABLE 17B

Industrial Water Supplies
SAVANNAH RIVER SUB-BASIN

County and Industry	Water Use(gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Abbeville				
J.P. Stevens & Co.	40,000		40,000	Ground
Due West Oil Mill	40,000		40,000	Ground
Bigelow Sanford Inc.	612,000		612,000	Surface
Sub-Total	692,000		692,000	
Aiken				
United Merchants	4,000,000		4,000,000	Surface
Kimberly Clark Corp.	5,000,000		5,000,000	Surface
Graniteville Co.(8 plants)	6,000,000		6,000,000	Surface
JM Huber Corp.	2,230,400	64,800	2,295,200	Ground
Southeastern Clay Co.		70,000	70,000	Surface
Augusta Sand & Gravel Co.	950,000	132,500	1,082,500	Ground
Cyprus Mines Corp.	375,000		375,000	Ground
United Merchants & Mfgrs.	714,286		714,286	Surface
DuPont*	25,130,000		25,130,000	
Sub-Total	44,399,686	267,300	44,666,986	
Allendale				
(none)				
Anderson				
Starr Mills	13,000		13,000	Ground
Excelsior Finishing Plant	1,500,406		1,500,406	Surface
American Bakeries	312,500		312,500	Ground
Martin & Son Meat Processing	5,300		5,300	Ground
West Point Pepperel Inc.	127,000	7,000	134,000	Ground
Jackson Mills	128,045	86,400	214,445	Ground
Riegel Textile Corp.	1,525,000		1,525,000	Surface
J.E. Murphy & Sons	12,000		12,000	Ground
Tribble Const. Co.	25,000		25,000	
Deering Milliken	46,320		46,320	Ground
Sub-Total	3,694,571	93,400	3,787,971	

* partial water use, cooling water is classified information-1970 data.

TABLE 17B (con't.)

County and Industry	Water Use(gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Barnwell				
Allied-Gulf Nuclear Services - Not in Operation				
Edgefield				
Kendall Company	35,000		35,000	Ground
Sub-Total	35,000		35,000	
Greenwood County				
(none)				
Hampton				
(none)				
Jasper				
(none)				
McCormick				
(none)				
Oconee				
Chicopee Mfg. Co.	50,000	272,000	322,000	Ground
J.P. Stevens & Co.	4,470,000	1,500,000	5,970,000	Surface
Sub-Total	4,520,000	1,772,000	6,292,000	
Pickens				
Vulcan Materials Co.	1,500,000	1,300,000	2,800,000	Ground & Surface
American Enka Company	415,000	22,800,000	23,215,000	Surface
Thomas Sand Co.	10,000	10,000	20,000	Surface
Sub-Total	1,925,000	24,110,000	26,035,000	
SUB BASIN TOTAL	55,266,257	26,242,700	81,508,957	

TABLE 17C

Water Districts
SAVANNAH RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Anderson County			
Homeland Park Water Comm.	Duke Power Company	146,000	397
Saluda Power Service	Burdine Creek & Saluda River	210,000	5,250
Sandy Springs	Lake Hartwell	133,000	3,910
Hwy 88 Water District	Ground Water		1,001
Starr-Iva Water District	Duke Power Company	520,000	2,400
West Anderson	Lake Hartwell	150,000	1,848
Hammond Water	Lake Hartwell	400,000	1,879
Broadway Water & Sewer District	Duke Power Co.	49,000	1,731
Sub-Total		1,608,000	18,416
Oconee County			
Pioneer District	Westminister	185,000	4,480
Sub-Total		185,000	4,480
Greenville County			
Blue Ridge Water Dept.	South Tyger River	250,000	6,125
Sub-Total		250,000	6,125
Pickens County			
Early Central Water District	12 Mile Creek and Burdines Creek	530,000	4,650
Six Mile District	Pickens	270,000	3,377
Bethlehem	Pickens	214,367	2,151
East Clemson Water District	City of Central	227,600	2,632
Easley-Norris	12 Mile Creek	335,000	4,185
Cedar Park		64,000	800
Big Rock Water District	Ground Water	4,000	56
Rural Southside Water District	Easley & Liberty	353,000	2,418
Twelve Mile Water District	Pickens	37,000	462
Griffin Midway	Pickens	84,000*	1,050
Holly Springs			
Dacusville - Cedar Rock	Pickens	133,333	2,589
Sub-Total		2,252,300	24,370

TABLE 17C con't.

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Abbeville County (none)			
Edgefield County (none)			
Greenwood County (none)			
McCormick County (none)			
Saluda County (none)			
Aiken County			
Langley	Ground Water	130,000	1,330
College Acres	Ground Water	65,000	1,264
Bath Water District	Ground Water	75,000	1,207
Beech Island Water District	Ground Water	500,000	4,590
Talatha District	Ground Water	40,000	1,000
Breezy Hill Water & Sewer Co.	Ground Water	437,724	5,056
Burnettown Water District	Ground Water	150,000	1,200
Montmorenci	Ground Water	423,000	4,232
Warrenville	Ground Water	300,000	788
Valley Public Service Authority	Ground Water	533,000	3,880
Belvedere Water District	Ground Water	362,000	6,160
Sub-Total		3,015,724	30,707
Allendale County (none)			
Barnwell County (none)			
Hampton County			
Miley Community	Ground Water	1,000	122
Sub-Total		1,000	122
SUB BASIN TOTAL		7,312,024	84,220

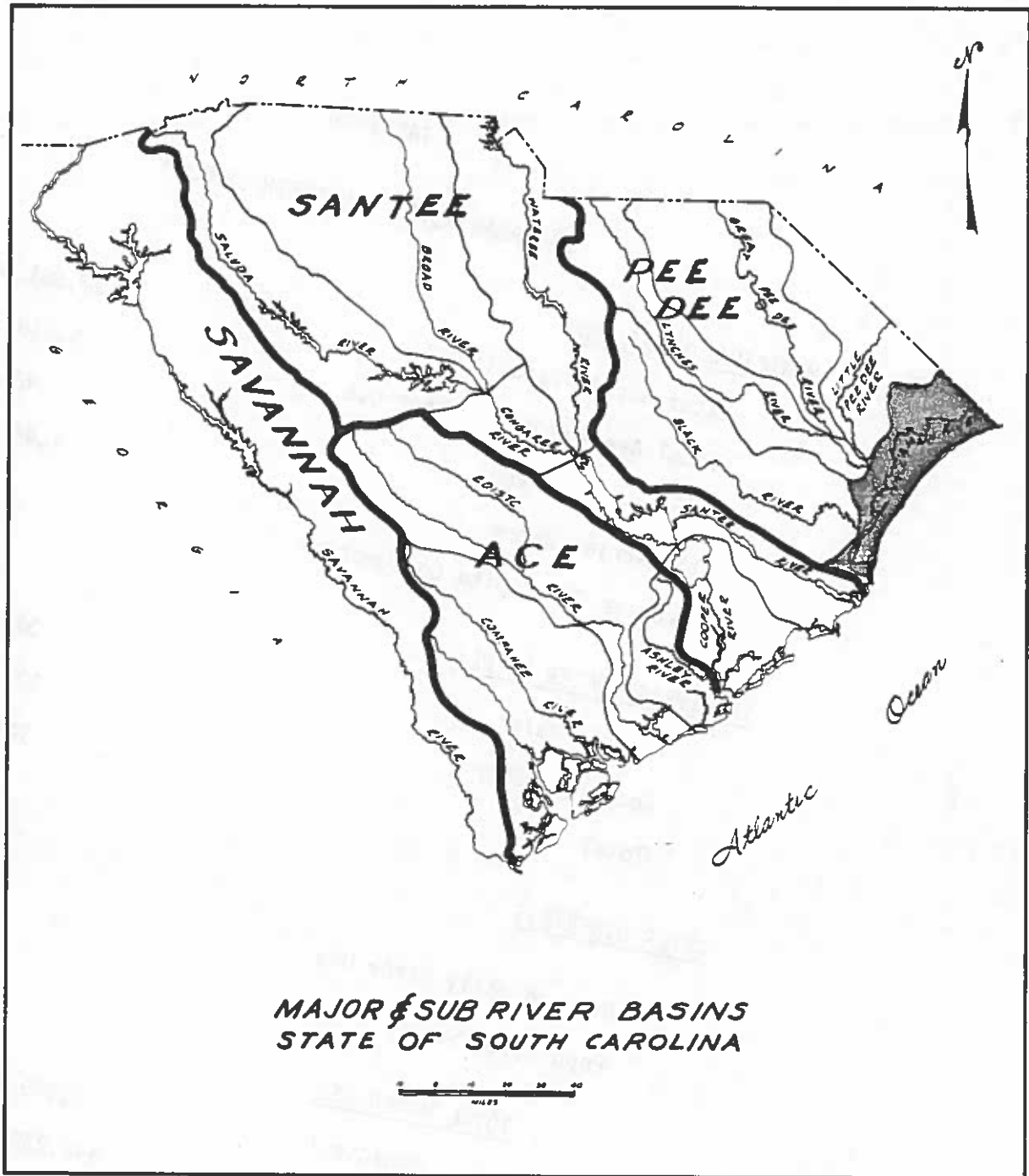


Figure 15: Waccamaw River Sub-Basin

TABLE 18

WACCAMAW RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	27,581,400	gpd
Total Average Daily Water Use	9,569,589	gpd
Population Served	67,578	
Industrial Water	1,445,000	gpd
Average Per Capita Consumption	120	gpd

INDUSTRIAL WATER SUPPLY

Process Water	32,927,600	gpd
Recycled Water	309,312,300	gpd
Total	342,239,900	gpd

WATER DISTRICTS

Average Daily Water Use	503,000	gpd
Population Served	4,156	

TOTAL WATER USE

Municipal	9,569,589	gpd
Industrial	342,239,900	gpd
Water Districts	503,000	gpd
Total	352,312,489	gpd

TABLE 18A

Water Demand Analysis
Municipal Water Supply Facilities

WACCAMAW RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per Capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Georgetown County						
Georgetown	Surface	7,152,000	3,025,000	12,920	135	1,275,000
Garden City	Wells	680,000	340,000	4,000	85	0
Pawleys Island	Wells	475,000	60,000	1,680	36	0
Murrells Inlet	No system					
Sub-Total		8,307,000	3,425,000	18,600		1,275,000
Horry County						
Conway	Wells	2,880,000	917,000	11,325	66	170,000
Surfside Beach	Wells	1,008,000	260,000	3,600	72	0
Myrtle Beach	Wells	10,634,400	4,109,589	19,380	212	0
N. Myrtle Beach	Wells	4,032,000	814,000	13,940	58	0
Little River	Wells	720,000	44,000	733	60	0
Sub-Total		19,274,400	6,144,589	48,978		170,000
SUB BASIN TOTAL		27,581,400	9,569,589	67,578	120	1,445,000

TABLE 18B
Industrial Water Supplies
WACCAMAW RIVER BASIN

County and	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Georgetown				
Georgetown Ferreduction Corp.	584,000	11,000,00	11,584,000	Surface
Georgetown Coca Cola	17,000		17,000	Ground
International Paper Co.	31,632,800	298,297,300	329,930,100	Surface
Georgetown Canada Dry Bottling	18,000	15,000	33,000	Ground
International Paper Co.(con't.)	105,000		105,000	Surface
Sub-Total	32,356,800	309,312,300	341,669,100	
Horry				
Georgia Pacific Corp.	50,000		50,000	Ground
Waccamaw Clay Inc.	60,000		60,000	Ground
Grand Strand Ice Co.	240,000		240,000	Ground
Horry Ice Co., Inc.	72,000		72,000	Ground
United Merchants & Mfgrs.	28,800		28,800	Ground
Pepsi Cola - Conway	48,000		48,000	Ground
Ocean Drive Ice Co.	72,000		72,000	Ground
Sub-Total	570,800		570,800	
SUB BASIN TOTAL	32,927,600	309,312,300	342,239,900	

-100-

TABLE 18C
 Water Districts
 WACCAMAW RIVER SUB BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Georgetown County (none)			
Horry County			
Conway Rural	Ground Water	262,000	140
Bucksport District	Ground Water	No Data	
Platt Water Company	Ground Water	No Data	
Briarcliff Acres	Ground Water	74,000	1,233
Carolina Utilities	Ground Water	167,000	2,783
Sub-Total		503,000	
SUB BASIN TOTAL		503,000	4,156

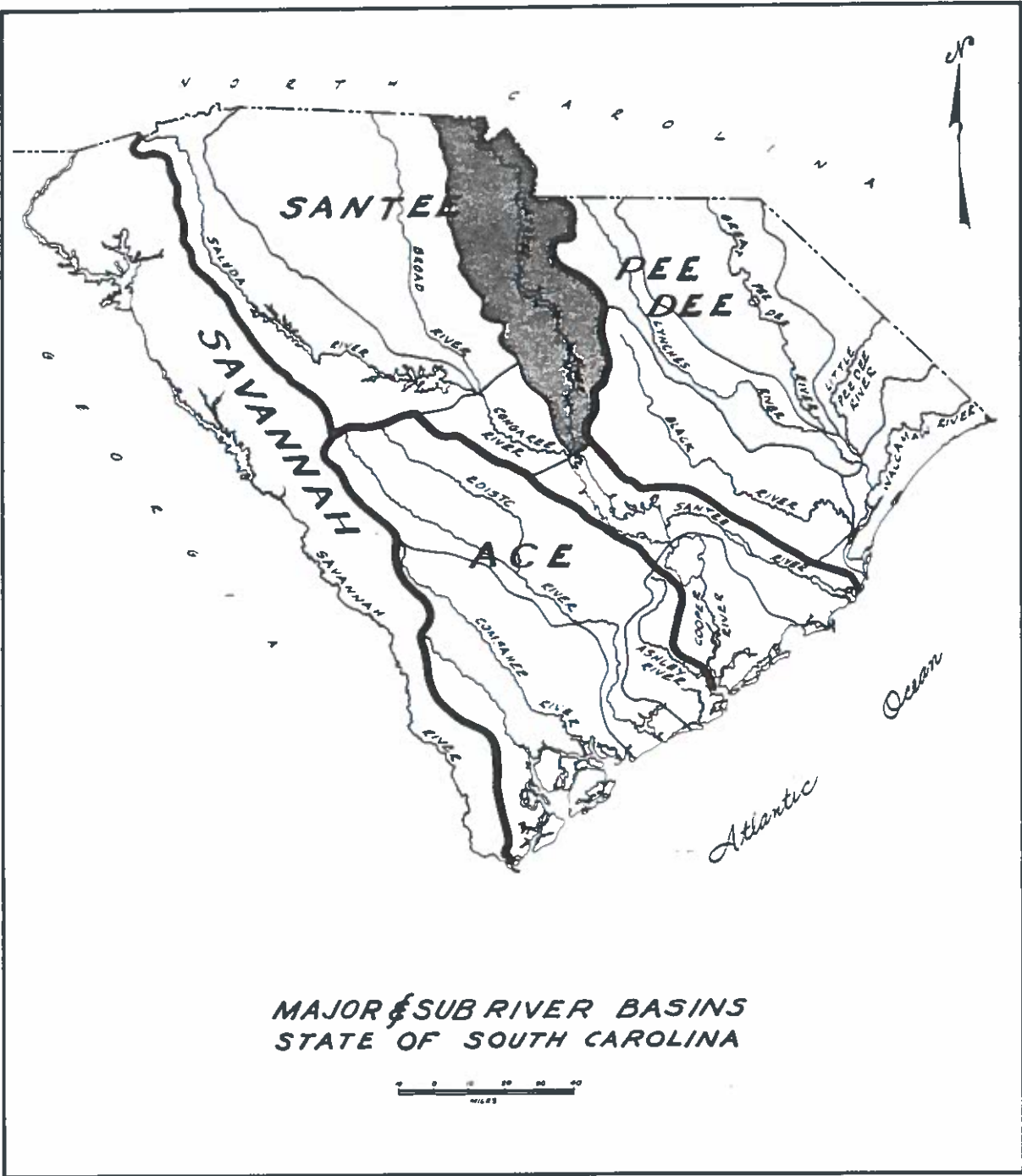


Figure 16: Wateree River Sub-Basin

TABLE 19

WATEREE RIVER SUB-BASIN SUMMARY

MUNICIPAL WATER USE

Water Supply Capacity	25,476,000	gpd
Total Average Daily Water Use	10,911,000	gpd
Population Served	85,409	
Industrial Water	1,696,667	gpd
Average Per Capita Consumption	108	gpd

INDUSTRIAL WATER SUPPLY

Process Water	188,167,954	gpd
Recycled Water	118,573,132	gpd
Total	306,741,086	gpd

WATER DISTRICTS

Average Daily Water Use	958,000	gpd
Population Served	19,395	

TOTAL WATER USE

Municipal	10,911,000	gpd
Industrial	306,741,086	gpd
Water Districts	958,000	gpd
Total	318,610,086	gpd

TABLE 19A

Water Demand Analysis
Municipal Water Supply Facilities

WATEREE RIVER SUB-BASIN

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Chester County						
Chester	Surface	7,000,000	3,500,000	18,136	138	1,000,000
Richburg	No system					
Lando	No system					
Fort Lawn	Chester Metro Auth.					
Great Falls	Chester Metro Auth.					
Sub-Total		7,000,000	3,500,000	18,136	138	1,000,000
Fairfield County						
Ridgeway	Wells	100,000	42,000	600	70	0
Sub-Total		100,000	42,000	600		0
Kershaw County						
Camden	Surface	4,000,000	1,700,000	19,250	87	30,000
Elgin	Wells	1,209,600	150,000	825	121	50,000
Sub-Total		5,209,600	1,850,000	20,075		80,000
Lancaster County						
Lancaster	The City of Lancaster purchases water from Springs Mills					
Lee County						
(none)						
Richland County						
(none)						

TABLE 19A (con't.)

County and Municipality	Water Source	Water Supply Capacity	Total Average Daily Water Use (gpd)	Population Served by Municipal Systems	Per capita Consumption excluding Industrial Water Use (gpd)	Average Daily Industrial Use from Municipal Systems (gpd)
Sumter County						
Rembert	Wells	144,000	19,000	258	74	0
Sub-Total		144,000	19,000	258	74	0
York County						
Clover	Wells	1,022,400	500,000	5,540	69	116,667
Rock Hill	Surface	12,000,000	5,000,000	40,800	110	500,000
Sub-Total		13,022,400	5,500,000	46,340		616,667
SUB BASIN TOTAL		25,476 000	10,911,000	85,409	108	1,696,667

TABLE 19B

Industrial Water Supplies

WATEREE RIVER BASIN

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Chester				
Manetta Mills, Inc.	240,000		240,000	Surface
Sub-Total	240,000		240,000	
Fairfield (none)				
Kershaw				
Hardwicke Chemical	4,000		4,000	Ground
Wateree Chemical	4,000		4,000	Ground
Whitehead Brothers Co.	10,000	6,000,000	6,010,000	Surface
Elgin Forest Products	5,000	3,500	8,500	Ground
Wedron Silica Division	20,000,000	20,000,000	40,000,000	Surface
E.I. DuPont De Nemours & Co.	3,945,707	13,450,802	17,396,509	Surface & Ground
Sub-Total	23,968,707	39,454,302	63,423,009	
Lancaster				
Springs Mills, Inc.-Lancaster	875,219		875,219	Surface
Springs Mills, Inc.-Grace Pt.	9,360,053	9,360,053	18,720,106	Surface
Springs Mills, Inc.-Oxford	233,244		233,244	Surface
Southern Screen Eng.	22,000		22,000	Ground
Ashe Brick Co.	25,000		25,000	Ground
Donald Parker Const. Co.		20,000	20,000	Surface
Sub-Total	10,515,516	9,380,053	19,895,569	

Con't.

TABLE 19B (con't.)

County and Industry	Water Use (gpd)		Total Water Use	Water Source
	Process Water	Recycled Water		
Lee				
(none)				
Richland				
(none)				
Sumter				
Becker Sand & Gravel	3,600,000		3,600,000	Surface
Sub-Total	3,600,000		3,600,000	
York				
Plastech, Inc.	6,000		6,000	Surface
Queen City Plastics, Inc.	500	172,800	173,300	Ground
EFP Products Div.	7,000	6,800	13,800	Ground & Surface
M.Lowenstein & Son	8,500,000	1,000,000	9,500,000	Surface
Springs Mills-White Plt.	113,171	13,017	126,188	Surface
Springs Mills-Ft. Mill Plt.	311,220		311,220	Surface
Celanese Corp.	103,783,840	68,546,160	172,330,000	Surface
Cannon Mills Co.	122,000		122,000	Ground
Bowaters Carolina	37,000,000		37,000,000	Surface
Sub-Total	149,843,731	69,738,777	219,582,508	
SUB BASIN TOTAL	188,167,954	118,573,132	306,741,086	

TABLE 19C

Water Districts

WATEREE RIVER SUB-BASIN

County and Water District	Water Source	Average Daily Water Use (gpd)	Population Served
Chester County Midfort Water District	Chester Metro Water Authority	50,000	850
Sub-Total		50,000	850
Lancaster County Lancaster District	Bear Creek	750,000	16,400
Sub-Total		750,000	16,400
York County (none)			
Fairfield County (none)			
Richland County (none)			
Kershaw County LUgoff Water Park	Ground Water	115,000	1,502
Charlott Thompson	Ground Water	40,000	562
Liberty Hill	Ground Water	3,000	81
Sub-Total		158,000	2,145
Lee County (none)			
Sumter County (none)			
SUB BASIN TOTAL		958,000	19,395