

12. CLIMATE, LAND USE, AND RECREATION

Tennessee offers great variety in climate and topography, with elevations of more than 6,600 feet at the eastern boundary to about 200 feet at the Mississippi River.

The Army Corps of Engineers maintains the Cumberland River areas in Tennessee, while TVA maintains all Tennessee River areas except for National Wildlife Refuge areas (managed by the U.S. Fish and Wildlife Service). The U.S. Department of the Interior, National Park Service, maintains the Great Smoky Mountains National Park and a variety of other areas. The Cherokee National Forest is managed by the U.S. Department of Agriculture, National Forest Service. The Tennessee Department of Conservation has primary responsibility for state-owned parks and recreation areas.

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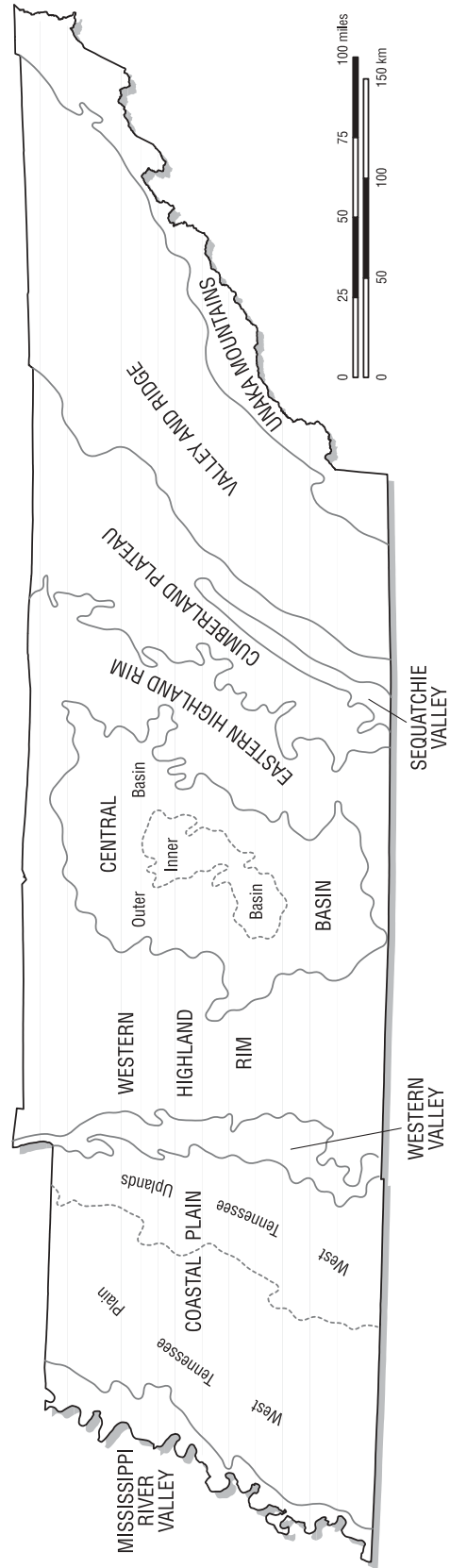
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FIGURE 12.1
Physiographic Map of Tennessee



Source: Map courtesy of the University of Tennessee Cartographic Services Laboratory.

TABLE 12.1 — CLIMATOLOGICAL DATA, SELECTED METROPOLITAN STATIONS, 30-YEAR NORMALS, 1971—2000 [Temperatures in degrees Fahrenheit]

Weather station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
BRISTOL - Elevation 1,500 feet, Latitude 36°28'N, Longitude 82°24'W													
Normal daily temperature	34.2	38.0	46.5	54.6	63.0	70.7	74.2	72.8	66.6	55.0	45.5	37.3	54.9
Normal daily minimum temperature	24.3	27.0	34.6	42.0	51.0	59.5	63.5	61.7	54.7	41.8	33.6	26.8	43.4
Normal daily maximum temperature	44.1	48.9	58.4	67.1	74.9	81.8	84.8	83.9	78.5	68.2	57.4	47.8	66.3
Normal monthly precipitation (inches)	3.5	3.4	3.9	3.2	4.3	3.9	4.2	3.0	3.1	2.3	3.1	3.4	41.3
Average heating degree days ¹	939	745	561	306	110	11	3	2	52	303	570	843	4,445
Average cooling degree days ²	0	0	1	10	61	198	304	260	116	6	0	0	956
CHATTANOOGA - Elevation 671 feet, Latitude 35°02'N, Longitude 85°12'W													
Normal daily temperature	39.4	43.4	51.4	59.6	67.7	75.4	79.6	78.5	72.1	60.4	50.3	42.4	60.0
Normal daily minimum temperature	29.9	32.6	40.0	47.0	56.2	64.6	69.4	68.3	61.7	48.5	39.5	32.7	49.2
Normal daily maximum temperature	48.8	54.1	62.8	72.1	79.1	86.2	89.8	88.7	82.5	72.3	61.1	52.0	70.8
Normal monthly precipitation (inches)	5.4	4.9	6.2	4.2	4.3	4.0	4.7	3.6	4.3	3.3	4.9	4.8	54.5
Average heating degree days ¹	797	618	432	195	48	2	0	0	16	180	442	697	3,427
Average cooling degree days ²	0	0	5	32	124	312	450	418	229	35	2	1	1,608
CLARKSVILLE - Elevation 382 feet, Latitude 36°38'N, Longitude 87°21'W													
Normal daily temperature	35.2	39.9	48.8	57.7	66.3	74.7	79.0	77.3	70.6	58.7	48.2	39.2	58.0
Normal daily minimum temperature	25.0	28.6	36.4	44.4	53.8	62.9	67.5	65.4	58.2	45.2	36.2	28.9	46.0
Normal daily maximum temperature	45.4	51.1	61.2	71.0	78.7	86.4	90.4	89.1	82.9	72.2	60.1	49.4	69.8
Normal monthly precipitation (inches)	4.1	4.2	5.4	4.3	5.0	4.4	4.3	3.3	3.8	3.3	4.6	5.2	51.8
Average heating degree days ¹	924	705	504	242	93	4	0	2	33	242	507	802	4,058
Average cooling degree days ²	0	0	1	24	132	295	432	381	199	47	1	0	1,512
JACKSON - Elevation 433 feet, Latitude 35°36'N, Longitude 88°55'W													
Normal daily temperature	37.8	42.6	51.3	60.1	68.6	76.7	80.3	78.8	72.1	61.1	50.3	41.5	60.1
Normal daily minimum temperature	28.7	32.5	40.6	48.6	57.7	66.0	69.7	67.5	60.6	48.7	39.9	32.1	49.4
Normal daily maximum temperature	46.9	52.7	62.0	71.6	79.5	87.3	90.8	90.0	83.6	73.4	60.7	50.8	70.8
Normal monthly precipitation (inches)	4.3	4.3	5.1	5.1	5.6	5.2	4.7	2.9	3.8	3.3	5.1	5.4	54.8
Average heating degree days ¹	842	627	432	184	50	1	0	0	19	175	444	730	3,504
Average cooling degree days ²	0	0	8	37	161	349	472	426	232	53	4	0	1,742

TABLE 12.1 — CLIMATOLOGICAL DATA, SELECTED METROPOLITAN STATIONS, 30-YEAR NORMALS, 1971—2000 [Temperatures in degrees Fahrenheit]
(Continued)

Weather station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
KNOXVILLE - Elevation 962 feet, Latitude 35° 49'N, Longitude 83° 59'W													
Normal daily temperature	37.6	41.8	49.7	57.8	66.0	73.8	77.7	76.9	70.8	58.8	49.0	40.9	58.4
Normal daily minimum temperature	28.9	31.8	39.1	46.6	55.6	63.9	68.5	67.3	60.8	47.7	38.9	31.9	48.4
Normal daily maximum temperature	46.3	51.7	60.3	69.0	76.3	83.6	86.9	86.4	80.7	69.9	59.0	49.8	68.3
Normal monthly precipitation (inches)	4.6	4.0	5.2	4.0	4.7	4.0	4.7	2.9	3.0	2.7	4.0	4.5	48.2
Average heating degree days ¹	841	652	467	227	65	3	0	0	22	210	470	733	3,690
Average cooling degree days ²	0	1	5	27	110	282	408	381	205	28	3	0	1,450
MEMPHIS - Elevation 265 feet, Latitude 35° 04'N, Longitude 89° 59'W													
Normal daily temperature	39.9	44.9	53.5	62.1	70.6	78.7	82.5	81.2	74.8	63.8	52.3	43.3	62.3
Normal daily minimum temperature	31.3	35.5	43.7	51.9	60.8	68.8	72.9	71.2	64.3	52.5	42.6	34.5	52.5
Normal daily maximum temperature	48.6	54.4	63.3	72.4	80.4	88.5	92.1	91.2	85.3	75.1	62.1	52.2	72.1
Normal monthly precipitation (inches)	4.2	4.3	5.6	5.8	5.2	4.3	4.2	3.0	3.3	3.3	5.8	5.7	54.7
Average heating degree days ¹	770	565	366	144	22	0	0	0	13	121	381	659	3,041
Average cooling degree days ²	1	2	15	72	210	426	554	504	307	84	11	1	2,187
NASHVILLE - Elevation 580 feet, Latitude 36° 07'N, Longitude 86° 41'W													
Normal daily temperature	36.8	41.3	50.1	58.5	67.1	75.1	79.1	77.9	71.3	59.9	49.3	40.5	58.9
Normal daily minimum temperature	27.9	31.2	39.4	47.1	56.7	65.0	69.5	68.0	61.0	48.6	39.5	31.5	48.8
Normal daily maximum temperature	45.6	51.4	60.7	69.8	77.5	85.1	88.7	87.8	81.5	71.1	59.0	49.4	69.0
Normal monthly precipitation (inches)	4.0	3.7	4.9	3.9	5.1	4.1	3.8	3.3	3.6	2.9	4.5	4.5	48.1
Average heating degree days ¹	859	664	462	217	56	2	0	0	24	189	460	744	3,677
Average cooling degree days ²	0	0	9	37	136	321	453	416	229	46	5	0	1,652

Note: Normals are computed over the thirty-year period from 1971 to 2000. They are updated after every tenth year.

1. One heating degree day is accumulated for each degree that the daily mean temperature falls below 65°F.

2. One cooling degree day is accumulated for each degree that the daily mean temperature exceeds 65°F.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, U.S. Climate Normals, 1971--2000. <<http://lwf.ncdc.noaa.gov/oa/climate/normal/usnormals.html>> (Accessed 8 October 2002).

TABLE 12.2 — CLIMATOLOGICAL DATA, SELECTED TENNESSEE WEATHER STATIONS, 30-YEAR NORMALS, 1971—2000 [Temperatures in degrees Fahrenheit]

Weather station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Allardt	34.5	38.5	46.5	54.8	62.5	69.8	73.5	72.2	66.3	55.8	46.4	38.1
Athens	36.5	40.2	48.4	56.6	64.9	72.9	76.9	75.9	69.9	58.0	48.2	39.7
Bolivar	37.3	41.7	50.5	59.5	67.7	75.7	79.6	78.0	71.4	60.1	49.8	41.0
Brownsville	37.2	42.1	51.1	60.2	68.9	77.0	80.6	78.9	72.3	61.0	50.4	41.1
Carthage	35.4	39.1	47.8	56.4	64.8	73.2	77.5	76.5	70.3	58.4	48.2	39.4
Celina	35.1	39.1	47.4	55.5	64.3	72.9	76.7	75.4	68.9	57.9	47.8	39.0
Centerville	37.4	41.8	50.8	59.2	67.0	74.2	77.8	76.6	70.3	59.3	49.2	40.7
Cleveland	38.0	42.0	49.8	57.6	65.6	73.5	77.5	76.4	70.1	58.6	48.6	41.0
Columbia	35.6	39.7	47.5	56.0	64.5	72.8	77.2	76.1	69.3	57.7	47.6	39.4
Cookeville	35.5	38.8	47.4	55.7	64.3	72.5	76.5	75.2	68.8	57.5	47.8	39.2
Copperhill	37.7	41.0	48.1	55.8	63.9	71.2	75.6	74.6	68.5	57.4	48.7	40.8
Covington	36.9	41.5	50.6	59.8	68.8	77.1	80.6	78.6	71.9	61.1	50.2	40.9
Crossville	35.1	39.1	47.1	55.2	63.0	70.4	74.4	73.2	67.1	56.2	46.9	38.8
Dayton	36.2	40.5	48.8	57.4	65.4	73.3	76.9	76.0	70.1	58.3	48.1	39.3
Dickson	35.7	40.3	49.1	57.7	65.7	73.3	77.2	76.1	69.8	58.7	48.4	39.6
Dover	34.2	38.7	48.4	57.6	65.7	73.8	77.8	76.3	69.5	57.8	48.0	38.3
Dresden	34.4	39.3	48.8	58.1	66.8	75.1	78.7	77.1	70.7	59.2	48.6	38.7
Dyersburg	38.4	43.6	52.6	61.4	70.2	78.0	81.2	79.5	72.7	62.3	51.4	42.0
Elizabethton	34.5	37.7	45.6	53.7	62.7	70.5	74.3	73.0	67.3	55.9	46.4	37.7
Erwin	35.5	39.2	47.1	54.7	62.7	70.6	74.2	73.3	67.6	56.3	47.2	39.1
Fayetteville	38.5	42.9	50.6	58.2	66.6	74.1	77.7	76.7	70.4	59.1	49.6	41.6
Franklin	35.1	39.2	47.9	56.3	65.0	73.2	77.4	75.9	69.3	57.8	47.5	39.0
Gatlinburg	36.3	39.2	47.0	54.4	62.3	69.6	73.3	72.0	66.4	55.7	46.8	39.3
Greeneville	33.4	36.8	44.5	52.1	61.1	69.3	73.5	72.0	65.7	53.7	44.4	36.4
Huntingdon	33.2	37.6	46.6	55.8	64.5	72.9	76.7	75.0	68.1	56.2	45.8	36.8
Jefferson City	34.7	39.1	47.1	55.5	64.9	72.3	76.2	74.5	68.4	56.3	47.0	38.3
Kingsport	35.6	39.1	47.4	56.0	65.0	72.4	76.2	74.7	68.9	57.3	47.5	39.0
Kingston Springs	34.6	38.7	47.8	56.2	64.7	73.0	77.1	75.9	69.0	57.3	47.4	38.6
Lafayette	37.5	42.3	51.0	59.4	67.1	74.6	78.3	76.9	70.7	60.1	50.1	41.1
Lawrenceburg	36.8	40.6	49.5	57.7	65.3	72.8	76.7	75.6	69.3	58.2	48.6	40.3

TABLE 12.2 — CLIMATOLOGICAL DATA, SELECTED TENNESSEE WEATHER STATIONS, 30-YEAR NORMALS, 1971—2000 [Temperatures in degrees Fahrenheit]
(Continued)

Weather station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Lebanon	35.2	39.2	48.1	56.8	65.7	74.3	78.3	76.7	69.8	58.0	48.1	39.1
Lenoir City	37.3	40.9	49.4	57.8	66.4	74.7	78.7	77.6	71.4	59.3	49.3	40.7
Lewisburg	35.4	39.0	47.8	56.0	64.9	73.3	77.4	76.0	69.2	57.7	47.6	38.7
Lexington	36.9	41.6	50.2	58.9	67.6	76.2	79.7	78.5	72.2	60.2	49.8	40.5
Linden	36.6	41.0	49.5	58.0	66.3	74.3	78.3	76.9	70.4	58.5	48.8	40.1
Livingston	35.1	38.7	47.3	55.7	64.2	72.5	76.1	74.8	68.4	56.9	47.2	39.9
Martin	34.0	38.8	48.2	57.5	66.6	75.3	79.3	77.5	70.4	59.0	48.1	38.3
McMinnville	38.8	42.7	50.8	58.6	66.0	73.5	77.0	75.9	70.0	59.2	49.9	42.1
Milan	33.9	38.3	47.5	56.9	65.7	73.7	77.3	75.5	68.7	57.4	47.1	37.8
Monteagle	34.7	39.2	47.3	56.0	63.7	70.9	74.6	73.8	68.3	57.6	47.7	38.6
Morristown	35.5	39.2	47.5	55.7	64.4	72.4	76.6	75.4	69.2	57.6	47.4	38.8
Moscow	39.5	44.5	53.0	61.0	68.8	76.1	79.6	78.2	71.8	60.8	51.8	42.9
Mountain City	31.3	34.6	42.7	50.4	59.0	66.4	70.2	68.8	63.2	51.6	43.0	34.7
Mt. Leconte	24.8	26.5	33.2	41.0	48.9	55.7	58.8	57.4	52.7	45.1	35.7	28.4
Mount Pleasant	36.8	40.9	50.0	58.9	67.0	75.1	78.9	77.4	70.7	59.1	49.0	40.0
Murfreesboro	35.4	39.2	48.3	56.9	65.7	74.0	78.1	76.7	70.0	58.1	48.3	39.2
Newbern	34.8	39.6	48.8	58.7	67.6	75.8	79.5	77.5	70.6	59.4	48.6	39.1
Newport	36.9	40.4	48.7	56.8	65.0	72.8	76.4	75.1	68.8	57.0	47.5	39.5
Norris	33.8	37.6	46.2	54.5	62.8	70.5	74.4	73.3	67.5	55.9	45.9	37.2
Oak Ridge	36.6	40.6	48.8	57.2	65.6	73.3	77.3	76.2	70.0	58.4	47.7	39.4
Oneida	33.5	37.0	45.1	53.4	61.7	69.9	74.0	72.6	66.4	54.8	45.6	36.9
Paris	33.8	38.4	47.9	57.1	65.6	73.8	77.7	76.4	69.6	58.0	47.7	38.2
Pikeville	37.8	41.7	50.0	57.8	65.4	72.7	76.6	75.4	69.7	58.6	48.6	40.6
Portland	34.5	38.9	48.3	57.6	66.4	74.6	78.8	77.3	70.7	59.0	48.6	38.6
Pulaski	36.9	40.9	49.8	58.2	66.3	74.0	78.1	77.1	70.5	59.3	49.3	40.7
Ripley	36.6	41.4	50.4	59.6	68.2	76.3	80.1	78.5	72.0	61.4	50.3	40.4
Rockwood	35.2	38.5	46.8	55.7	63.9	71.9	75.7	74.4	68.5	56.7	46.7	38.3
Rogersville	36.1	40.1	48.6	56.5	64.4	71.6	75.3	74.2	68.5	57.2	47.6	39.3
Samburg	33.4	38.4	48.1	57.6	66.7	75.2	79.1	76.9	70.0	58.8	48.4	38.5
Savannah	38.2	42.5	52.2	60.5	68.2	75.7	79.3	78.2	71.9	61.3	51.1	42.0

TABLE 12.2 — CLIMATOLOGICAL DATA, SELECTED TENNESSEE WEATHER STATIONS, 30-YEAR NORMALS, 1971—2000 [Temperatures in degrees Fahrenheit]
(Continued)

Weather station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Selmer	37.5	41.9	50.8	59.1	67.4	75.1	78.9	77.6	71.3	60.0	50.0	41.2
Sevierville	35.4	39.3	47.5	56.0	64.8	72.6	76.2	75.0	69.0	57.0	47.0	38.7
Shelbyville	37.5	41.5	50.2	58.1	66.4	74.1	78.0	77.1	70.7	59.4	49.3	40.9
Smithville	34.3	37.7	46.5	54.9	63.7	72.0	75.8	74.4	67.9	56.4	46.5	38.1
Sparta	38.7	42.2	50.5	58.5	66.0	73.6	77.3	76.0	70.0	59.1	49.8	42.0
Springfield	34.1	38.2	47.4	56.4	65.1	73.4	77.3	75.7	69.2	57.9	47.8	38.3
Tazewell	33.2	36.5	44.6	53.0	62.2	70.4	74.6	73.4	67.2	54.6	44.8	36.5
Tullahoma	36.9	40.8	49.1	57.2	65.3	73.2	77.0	76.0	69.8	58.7	48.7	40.4
Union City	33.6	38.3	47.7	57.1	66.5	75.0	78.6	76.5	69.5	58.2	47.5	38.0
Waverly	34.7	39.0	47.8	57.0	65.7	73.7	77.7	76.3	69.1	57.5	47.1	38.4
Waynesboro	36.1	39.9	48.4	56.8	65.0	73.2	77.2	75.9	69.6	57.9	48.1	39.6
Winchester	39.4	43.6	51.6	59.3	66.7	74.3	77.5	76.8	70.7	60.1	50.9	42.9
Woodbury	35.8	39.3	48.1	56.4	64.9	73.2	77.0	75.9	69.4	57.7	47.7	39.2

Note: Normals are computed over the thirty-year period from 1971 to 2000. They are updated after every tenth year.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, U.S. Climate Normals, 1971--2000.
<<http://lwf.ncdc.noaa.gov/oa/climate/normal/usnormals.html>> (Accessed 8 October 2002).

TABLE 12.3 — TRAVEL-GENERATED EMPLOYMENT, BY CATEGORY, TENNESSEE, 1995 AND 2000

	2000		1995	
	Employment (1,000)	Percent of total	Employment (1,000)	Percent of total
TOTAL	176.9	100.0	140.7	100.0
Public transportation	54.2	30.6	35.6	25.3
Auto transportation	3.6	2.0	3.5	2.5
Lodging	24.3	13.7	20.8	14.8
Food service	63.5	35.9	52.5	37.3
Entertainment and recreation	14.2	8.0	14.5	11.3
General retail trade	14.4	8.1	11.2	8.0
Travel planning	2.8	1.6	2.8	2.0

Note: Detail may not add to total due to independent rounding.

Source: U.S. Travel Data Center, The Economic Impact of Travel on Tennessee Counties, 2000, a study prepared for the Tennessee Department of Tourist Development; and earlier editions.

TABLE 12.4 — ESTIMATES OF TRAVEL ECONOMIC IMPACT, TENNESSEE, 1985—2000
SELECTED YEARS

	2000	1995	1990	1985
Travel expenditures (\$1,000,000)	9,933.0	8,002.2	5,779.2	3,755.7
Travel-generated payroll (\$1,000,000)	4,175.5	2,863.0	1,963.0	794.6
Travel-generated employment (1,000)	169.4	147.6	125.8	83.4
Travel-generated state tax revenue (\$1,000,000)	525.7	435.4	295.9	173.9
Travel-generated local tax revenue (\$1,000,000)	291.9	204.8	144.9	65.8
Out-of-state visitor expenditures (billions of dollars)	n.a.	6.3	4.8	2.5
Out-of-state travelers (1,000,000)	24.9	27.1	26.5	18.6

Note: Detail may not add to total due to independent rounding.

n.a. not available

Source: U.S. Travel Data Center, The Economic Impact of Travel on Tennessee Counties, 2000, a study prepared for the Tennessee Department of Tourist Development; and earlier editions.

TABLE 12.5 — TRAVEL EXPENDITURES AND TRAVEL-GENERATED STATE AND LOCAL TAX RECEIPTS AND EMPLOYMENT, TENNESSEE AND COUNTIES, 1995 AND 2000 [Expenditures and receipts in millions of dollars; employment in thousands]

County	2000				1995			
	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment
Anderson	66.75	4.20	1.42	0.80	60.61	3.94	1.16	0.81
Bedford	18.90	1.14	0.73	0.21	15.56	0.95	0.54	0.20
Benton	15.33	0.97	1.62	0.14	12.35	0.80	1.10	0.12
Bledsoe	2.58	0.15	0.41	0.02	2.30	0.13	0.31	0.02
Blount	162.73	9.59	5.54	2.30	135.26	8.35	4.03	1.97
Bradley	74.35	4.68	1.56	0.89	61.77	3.99	1.18	0.81
Campbell	35.37	2.09	1.82	0.43	30.45	1.82	1.33	0.42
Cannon	2.68	0.17	0.18	0.01	2.20	0.14	0.13	0.01
Carroll	12.82	0.79	0.48	0.11	11.39	0.70	0.38	0.11
Carter	20.24	1.29	1.26	0.16	16.64	1.09	0.91	0.15
Cheatham	11.59	0.68	0.39	0.12	10.13	0.60	0.30	0.13
Chester	5.19	0.36	0.16	0.03	4.87	0.35	0.13	0.03
Claiborne	11.65	0.69	0.87	0.13	11.48	0.68	0.69	0.16
Clay	5.03	0.29	0.44	0.05	4.61	0.27	0.35	0.06
Cocke	26.99	1.61	1.19	0.39	24.84	1.50	0.95	0.39
Coffee	43.11	2.62	1.12	0.53	36.87	2.31	0.87	0.53
Crockett	5.27	0.31	0.23	0.06	3.95	0.23	0.16	0.05
Cumberland	66.30	3.88	2.75	0.90	48.69	2.93	1.82	0.77
Davidson	2,957.30	148.42	74.79	57.10	2,228.43	115.04	47.30	44.95
Decatur	7.39	0.45	1.30	0.04	6.54	0.42	0.96	0.04
DeKalb	20.79	1.21	2.71	0.21	14.71	0.87	1.62	0.17
Dickson	36.68	2.24	0.89	0.48	30.74	1.93	0.68	0.44
Dyer	27.18	1.72	0.63	0.33	22.09	1.45	0.46	0.28
Fayette	4.59	0.28	0.25	0.03	3.72	0.23	0.18	0.03
Fentress	8.11	0.49	0.54	0.08	6.83	0.41	0.39	0.08

TABLE 12.5 — TRAVEL EXPENDITURES AND TRAVEL-GENERATED STATE AND LOCAL TAX RECEIPTS AND EMPLOYMENT, TENNESSEE AND COUNTIES, 1995 AND 2000 [Expenditures and receipts in millions of dollars; employment in thousands] (Continued)

County	2000				1995			
	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment
Franklin	13.64	0.87	0.63	0.12	12.06	0.78	0.49	0.12
Gibson	24.38	1.63	0.72	0.18	21.61	1.48	0.56	0.19
Giles	15.18	0.97	0.65	0.14	12.55	0.82	0.47	0.14
Grainger	10.89	0.63	2.08	0.08	9.95	0.59	1.61	0.07
Greene	47.68	2.98	1.26	0.49	36.42	2.31	0.87	0.45
Grundy	5.61	0.35	0.99	0.02	4.54	0.30	0.66	0.02
Hamblen	53.60	3.36	1.17	0.51	45.29	2.91	0.89	0.52
Hamilton	545.13	32.15	11.90	7.32	453.41	27.23	8.88	6.98
Hancock	0.84	0.05	0.17	0.01	0.71	0.05	0.12	0.00
Hardeman	17.45	1.09	0.99	0.16	11.48	0.74	0.57	0.12
Hardin	22.94	1.42	1.94	0.19	17.01	1.07	1.24	0.17
Hawkins	20.88	1.23	1.14	0.20	17.53	1.03	0.83	0.20
Haywood	10.27	0.66	0.45	0.09	8.13	0.54	0.31	0.08
Henderson	15.53	0.99	0.49	0.14	12.91	0.83	0.36	0.14
Henry	39.76	2.36	5.04	0.34	33.85	2.06	3.66	0.33
Hickman	4.94	0.29	0.47	0.04	3.99	0.24	0.33	0.04
Houston	3.77	0.22	0.40	0.04	2.90	0.17	0.29	0.03
Humphreys	21.34	1.17	1.39	0.25	18.06	0.98	1.00	0.25
Jackson	1.65	0.10	0.20	0.01	1.49	0.09	0.15	0.01
Jefferson	29.25	1.80	2.12	0.31	23.43	1.49	1.53	0.27
Johnson	6.99	0.41	0.53	0.07	5.96	0.35	0.40	0.07
Knox	549.45	30.48	13.05	8.53	441.32	25.41	9.01	7.54
Lake	8.14	0.47	0.60	0.12	7.66	0.45	0.48	0.12
Lauderdale	10.49	0.63	0.83	0.08	8.39	0.50	0.60	0.07
Lawrence	24.00	1.55	0.65	0.21	19.66	1.31	0.48	0.21

TABLE 12.5 — TRAVEL EXPENDITURES AND TRAVEL-GENERATED STATE AND LOCAL TAX RECEIPTS AND EMPLOYMENT, TENNESSEE AND COUNTIES, 1995 AND 2000 [Expenditures and receipts in millions of dollars; employment in thousands] (Continued)

County	2000				1995			
	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment
Lewis	4.08	0.24	0.20	0.05	3.40	0.20	0.15	0.04
Lincoln	13.73	0.89	0.43	0.13	11.73	0.78	0.33	0.13
Loudon	23.05	1.44	0.58	0.26	20.51	1.31	0.46	0.27
McMinn	24.93	1.54	0.61	0.26	22.27	1.38	0.49	0.26
McNairy	7.63	0.46	0.42	0.06	6.18	0.37	0.30	0.06
Macon	4.76	0.28	0.25	0.05	4.05	0.24	0.19	0.04
Madison	116.94	7.09	2.49	1.58	97.42	6.08	1.90	1.48
Marion	19.53	1.19	0.70	0.23	15.53	0.95	0.50	0.21
Marshall	17.09	1.09	0.45	0.17	14.77	0.96	0.35	0.18
Maury	60.45	3.78	1.25	0.57	46.60	2.93	0.87	0.54
Meigs	5.90	0.34	0.76	0.04	4.24	0.25	0.51	0.04
Monroe	27.26	1.63	1.83	0.30	23.53	1.42	1.35	0.30
Montgomery	98.08	6.31	1.86	1.12	83.48	5.56	1.47	1.14
Moore	1.04	0.06	0.05	0.01	1.00	0.06	0.04	0.01
Morgan	3.01	0.19	0.38	0.01	2.62	0.17	0.27	0.01
Obion	32.54	2.00	0.97	0.36	29.45	1.83	0.79	0.38
Overton	5.10	0.33	0.32	0.04	4.20	0.28	0.22	0.04
Perry	4.81	0.26	1.25	0.02	4.43	0.24	0.93	0.02
Pickett	5.06	0.29	0.73	0.05	4.12	0.24	0.51	0.05
Polk	15.43	0.88	1.41	0.19	11.45	0.66	1.00	0.17
Putnam	67.24	4.15	1.36	0.78	58.85	3.67	1.08	0.79
Rhea	21.59	1.30	1.43	0.24	19.75	1.20	1.13	0.25
Roane	35.26	2.18	1.82	0.37	30.47	1.91	1.42	0.35
Robertson	23.54	1.57	0.63	0.21	18.42	1.28	0.44	0.20
Rutherford	130.12	8.14	2.76	1.50	103.83	6.79	2.00	1.33

TABLE 12.5 — TRAVEL EXPENDITURES AND TRAVEL-GENERATED STATE AND LOCAL TAX RECEIPTS AND EMPLOYMENT, TENNESSEE AND COUNTIES, 1995 AND 2000 [Expenditures and receipts in millions of dollars; employment in thousands] (Continued)

County	2000				1995			
	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment	Total travel expenditures	State tax receipts	Local tax receipts	Travel-generated employment
Scott	8.02	0.46	0.47	0.09	6.45	0.36	0.35	0.07
Sequatchie	4.44	0.27	0.32	0.03	3.75	0.23	0.23	0.03
Sevier	1,011.29	56.39	29.19	16.21	728.10	41.70	19.73	13.82
Shelby	2,310.70	101.75	64.14	51.31	1,783.11	81.27	37.10	38.73
Smith	6.70	0.42	0.29	0.05	5.97	0.37	0.22	0.05
Stewart	4.57	0.28	0.67	0.03	4.23	0.26	0.53	0.03
Sullivan	183.24	10.57	4.97	2.55	138.50	8.30	3.29	2.07
Sumner	64.07	4.03	1.45	0.72	43.65	2.86	0.88	0.52
Tipton	16.20	1.05	0.52	0.14	14.48	0.96	0.41	0.14
Trousdale	2.32	0.14	0.08	0.02	1.77	0.10	0.05	0.02
Unicoi	5.82	0.34	0.47	0.07	5.29	0.31	0.37	0.07
Union	4.48	0.26	0.66	0.03	3.96	0.23	0.49	0.03
Van Buren	7.01	0.40	0.73	0.08	6.33	0.38	0.56	0.08
Warren	18.42	1.13	0.73	0.17	15.17	0.95	0.54	0.17
Washington	130.42	7.95	3.01	1.55	106.60	6.60	2.20	1.47
Wayne	7.46	0.45	0.47	0.07	5.81	0.35	0.32	0.07
Weakley	13.33	0.83	0.45	0.12	12.01	0.74	0.35	0.13
White	11.21	0.74	0.52	0.06	8.74	0.60	0.36	0.06
Williamson	143.89	8.78	2.92	1.65	100.90	6.43	1.88	1.28
Wilson	58.45	3.59	1.72	0.67	46.37	2.94	1.23	0.62
TENNESSEE	9,932.96	525.67	291.88	169.43	7,720.84	421.59	193.52	138.63

Note: Estimates represent expenditures by U.S. residents traveling away from home overnight, or on day trips of 200 round-trip miles or more.

Source: U.S. Travel Data Center, The Economic Impact of Travel on Tennessee Counties, 2000, a study prepared for the Tennessee Department of Tourist Development.

TABLE 12.6 — LAND AND INLAND WATER AREA, TENNESSEE AND COUNTIES [In square miles]

County	Total area	Land area	Inland water area
Anderson	344.82	337.51	7.31
Bedford	474.83	473.67	1.17
Benton	436.20	394.84	41.37
Bledsoe	406.71	406.32	0.40
Blount	566.65	558.56	8.08
Bradley	331.50	328.72	2.78
Campbell	498.25	480.07	18.19
Cannon	265.71	265.64	0.06
Carroll	599.86	599.02	0.84
Carter	347.62	341.05	6.57
Cheatham	307.13	302.66	4.47
Chester	288.74	288.52	0.22
Claiborne	441.55	434.28	7.27
Clay	259.25	236.11	23.14
Cocke	443.15	434.40	8.75
Coffee	434.46	428.84	5.62
Crockett	265.47	265.27	0.21
Cumberland	684.95	681.61	3.34
Davidson	526.11	502.26	23.85
Decatur	344.91	333.90	11.01
DeKalb	328.98	304.57	24.41
Dickson	491.28	489.87	1.42
Dyer	526.48	510.50	15.98
Fayette	706.23	704.50	1.73
Fentress	498.97	498.64	0.33
Franklin	575.77	554.52	21.25
Gibson	603.59	602.67	0.92
Giles	611.17	610.93	0.25
Grainger	302.44	280.33	22.11
Greene	624.11	621.69	2.42
Grundy	361.14	360.56	0.58
Hamblen	175.77	161.03	14.74
Hamilton	575.72	542.44	33.28
Hancock	223.50	222.29	1.21
Hardeman	670.39	667.55	2.84
Hardin	596.31	577.86	18.45
Hawkins	499.63	486.66	12.97
Haywood	534.15	533.20	0.95
Henderson	525.91	520.02	5.89
Henry	593.45	561.68	31.77
Hickman	612.70	612.52	0.18
Houston	206.92	200.21	6.71
Humphreys	556.72	532.22	24.50
Jackson	319.56	308.88	10.67
Jefferson	314.33	273.81	40.51
Johnson	302.73	298.47	4.26
Knox	525.78	508.46	17.32
Lake	193.79	163.42	30.38
Lauderdale	507.14	470.45	36.69
Lawrence	617.91	617.17	0.74

TABLE 12.6 — LAND AND INLAND WATER AREA, TENNESSEE AND COUNTIES [In square miles]
(Continued)

County	Total area	Land area	Inland water area
Lewis	282.48	282.09	0.38
Lincoln	570.63	570.23	0.39
Loudon	247.31	228.88	18.43
McMinn	432.22	430.28	1.94
McNairy	560.84	560.04	0.79
Macon	307.19	307.13	0.06
Madison	558.63	557.00	1.63
Marion	512.32	498.36	13.96
Marshall	376.10	375.36	0.75
Maury	615.52	612.86	2.66
Meigs	216.78	194.86	21.92
Monroe	652.58	634.91	17.67
Montgomery	543.84	539.28	4.57
Moore	130.38	129.18	1.21
Morgan	522.40	522.04	0.35
Obion	555.35	544.91	10.43
Overton	434.82	433.38	1.43
Perry	422.90	414.89	8.00
Pickett	174.58	162.92	11.66
Polk	442.35	435.05	7.30
Putnam	402.56	401.05	1.50
Rhea	336.39	315.94	20.45
Roane	394.98	360.98	34.00
Robertson	476.67	476.47	0.20
Rutherford	623.94	618.91	5.03
Scott	533.22	532.09	1.13
Sequatchie	266.02	265.85	0.18
Sevier	597.73	592.29	5.45
Shelby	783.63	754.53	29.10
Smith	325.35	314.41	10.94
Stewart	493.20	458.48	34.72
Sullivan	429.69	413.02	16.67
Sumner	543.12	529.30	13.81
Tipton	474.72	459.37	15.35
Trousdale	116.64	114.24	2.40
Unicoi	186.49	186.14	0.35
Union	247.13	223.56	23.57
Van Buren	274.59	273.46	1.14
Warren	434.08	432.69	1.40
Washington	329.80	326.31	3.49
Wayne	735.59	733.96	1.63
Weakley	581.81	580.19	1.62
White	379.39	376.58	2.80
Williamson	583.62	582.68	0.94
Wilson	583.20	570.57	12.63
TENNESSEE	42,143.27	41,217.12	926.15

Source: U.S. Census Bureau, 2000 Census
<<http://factfinder.census.gov/servlet/BasicFactsServlet>> (Accessed 7 October 2002).

TABLE 12.7 — NATIONAL PARKS, ACREAGE, AND RECREATIONAL VISITS, TENNESSEE, 1990—2001, SELECTED YEARS, [Visits in thousands]

Name of park	Tennessee part		Total recreational visits by park			
	Acreage	2001 visits	2001	2000	1995	1990
Andrew Johnson National Historic Site	16	49.6	49.6	59.9	63.2	71.0
Big South Fork National River	120,000	549.9	916.5	864.2	892.3	794.5
Chickamauga and Chattanooga National Military Park	8,095	375.0	749.9	838.4	1,036.8	955.1
Cumberland Gap National Historic Park	20,273	0.0	887.5	1,520.4	1,020.4	897.8
Fort Donelson National Battlefield	552	226.4	226.4	219.0	216.4	285.7
Great Smoky Mountains National Park	241,206	5,150.7	9,197.7	10,175.8	9,080.4	8,151.8
Natchez Trace Parkway ¹	52	721.8	5,552.4	5,737.2	5,849.1	5,505.3
Obed Wild and Scenic River	5,101	193.1	193.1	240.2	232.2	104.9
Shiloh National Military Park	3,753	356.8	356.8	261.5	330.4	337.2
Stones River National Battlefield	330	192.1	192.1	186.2	258.3	192.4

Note: Data for Appalachian National Scenic Trail are not reported. Data collection may not be comparable from year to year.

1. Tennessee acreage is not reported separately.

Source: U.S. Department of the Interior, National Park Service, National Park Service Statistical Abstract 2001, and earlier editions; and direct correspondence.

TABLE 12.8 — SELECTED STATISTICS ON THE GREAT SMOKY MOUNTAINS NATIONAL PARK, TENNESSEE-NORTH CAROLINA, 1960—2001, SELECTED YEARS

Visitor activity	2001	2000	1999	1998
Total number of visitors ¹	9,196,408	10,175,816	10,283,600	9,989,396
Campground campers in tents	146,724	177,170	191,169	191,418
Campground campers in trailers or recreational vehicles	125,147	128,172	133,961	141,109
Campers in organized groups	21,613	24,812	25,459	10,784
Backcountry campers ²	76,919	80,654	92,994	101,486

Visitor activity	1990	1980	1970	1960
Total number of visitors ¹	8,152,000	8,441,000	6,778,500	4,528,500
Campground campers in tents	182,927	198,189	274,300	336,900
Campground campers in trailers or recreational vehicles	166,774	207,223	314,400	23,600
Campers in organized groups	25,771	26,793	n.a.	n.a.
Backcountry campers	77,061	81,500	88,600	19,100
Picnickers	400,375	470,161	627,400	558,800
Hikers using park trails	324,625	328,951	304,800	203,800
Horseback riders	77,919	60,468	43,700	24,000
Bicycle riders (Cades Cove Loop)	40,254	16,942	n.a.	n.a.

Note: Starting on January 1, 1988, the method for computing recreational visits was modified; therefore, figures for years after 1987 are not comparable to earlier years. Also, data were not collected on picnickers, hikers, horse and bicycle riders after 1990.

1. Includes categories not shown separately.

2. Beginning in 2000, campers at the five horse camps are excluded.

Source: U.S. Department of the Interior, National Park Service, National Park Service Statistical Abstract 2001, and earlier editions; and direct correspondence.

TABLE 12.9 — NUMBER OF VISITORS TO THE GREAT SMOKY MOUNTAINS NATIONAL PARK, NORTH CAROLINA-TENNESSEE, MONTHLY, 1970—2001, SELECTED YEARS [In thousands]

Month	2001	2000	1995	1990	1985	1980	1975	1970
TOTAL	9,196	10,176	9,080	8,152	9,319	8,441	8,542	6,779
January	298	311	264	189	174	208	173	104
February	362	444	277	235	198	192	191	126
March	468	525	446	373	422	260	353	228
April	707	725	679	597	599	553	491	325
May	758	847	691	626	632	716	771	544
June	1,086	1,167	1,165	1,062	1,216	1,106	1,222	1,017
July	1,373	1,704	1,352	1,395	1,611	1,439	1,492	1,335
August	1,121	1,148	1,172	1,158	1,391	1,410	1,612	1,325
September	990	1,009	954	914	996	803	714	601
October	1,096	1,209	1,070	888	1,340	1,076	983	807
November	596	669	533	468	503	448	356	208
December	343	417	478	247	237	231	183	160

Note: Beginning in 1988, a new method of computing visitation yields figures that are not comparable to earlier years. The change in computations had a greater impact on the winter months (October--April).

Source: U.S. Department of the Interior, National Park Service, January news releases, and direct correspondence.

TABLE 12.10—NUMBER OF VISITORS TO THE CHEROKEE NATIONAL FOREST, BY TYPE OF ACTIVITY, FISCAL YEAR 1993 [In thousands]

Activity	Visitors	Activity	Visitors
Automobile travel	1,776	Picnicking	798
Bicycling	71	Recreation summer homes	50
Boating and sailing	251	Resorts	165
Camping	2,124	Sports and games	110
Fishing	552	Swimming related activities	785
Hiking and walking	450	Viewing scenery	670
Horseback riding	102	White-water activities	485
Hunting	726	Winter sports	42
Off-road vehicle travel	352	Other	393
		TOTAL	9,985

Note: Data are revised every ten years. Cherokee National Forest has 628,265 total acres; within this, there are 29 campgrounds, 29 picnic grounds, 9 swimming beaches, 13 boat launching sites.

Source: U.S. Department of Agriculture, Forest Service, Cleveland, Tennessee, direct correspondence.

TABLE 12.11—STATE PARKS AND RECREATION AREAS: LOCATION, ACREAGE, AND NUMBER OF VISITS, TENNESSEE

Name of park	County	Size (acres)	Number of visits fiscal year 1995
Bicentennial Capitol Mall	Davidson	19	n.a.
Big Cypress Tree	Weakley	330	41,745
Big Hill Pond	McNairy	4,218	145,692
Big Ridge	Union	3,642	266,164
Bledsoe Creek Camping Park	Sumner	164	222,658
Booker T. Washington	Hamilton	353	347,024
Burgess Falls	Putnam-White	155	199,554
Cedars of Lebanon	Wilson	832	622,127
Chickasaw	Chester-Hardeman	1,280	644,343
Cordell Hull	Pickett	n.a.	n.a.
Cove Lake	Campbell	673	1,204,870
Cumberland Mountain	Cumberland	1,562	1,444,698
Cumberland Trail	Campbell	90	n.a.
David Crockett Birth Place	Greene	67	295,744
David Crockett State Park	Lawrence	1,071	877,374
Dunbar Cave/Port Royal	Montgomery-Robertson	136	112,026
Edgar Evins	DeKalb	6,279	382,786
Fall Creek Falls	Bledsoe-Van Buren	20,000	934,654
Fort Loudoun	Monroe	407	202,431
Fort Pillow	Lauderdale	1,629	76,313
Frozen Head	Morgan	11,651	173,541
Harrison Bay	Hamilton	1,199	710,399
Henry Horton	Marshall	1,141	1,373,011
Hiwassee/Ocoee Rivers	Polk	181	688,397
House Mountain	Knox	525	17,797
Indian Mountain	Campbell	213	383,251
Johnsonville	Humphries	550	48,108
Long Hunter	Davidson-Rutherford-Wilson	2,315	514,979
Meeman-Shelby Forest	Shelby	12,467	1,136,792
Montgomery Bell	Dickson	3,751	798,687
Mousetail Landing	Perry	1,219	212,636
Natchez Trace	Benton-Carroll-Henderson	11,100	1,638,141
Nathan Bedford Forrest	Benton-Humphreys	2,587	504,465
Norris Dam	Anderson-Campbell	4,038	904,339
Old Stone Fort	Coffee	796	284,733
Panther Creek	Hamblen	1,965	920,016
Paris Landing	Henry	773	1,500,889
Pickett	Pickett	865	510,368
Pickwick Landing	Hardin	1,392	1,564,806
Pinson Mounds	Madison	1,086	101,538
Port Royal	Robertson	34	53,947
Radnor Lake	Davidson	957	1,026,392
Red Clay	Bradley	258	188,630
Reelfoot Lake	Lake-Obion	338	728,962
Roan Mountain	Carter	1,998	622,812
Rock Island	Warren-White	870	431,004
Sgt. Alvin C. York	Fentress	20	n.a.
South Cumberland \1	Franklin-Grundy-Marion	11,510	1,099,605
Standing Stone	Overton	1,055	287,449
Sycamore Shoals	Carter	49	232,936
Tim's Ford	Franklin	413	622,260
T. O. Fuller	Shelby	384	267,036
Warriors' Path	Sullivan	870	2,087,614

1. The South Cumberland Park is made up of seven smaller parks or areas.

n.a. not available.

Source: Tennessee Department of Conservation, Division of State Parks, direct correspondence.

TABLE 12.12—EXTREME AND MEAN ELEVATIONS, SOUTHEASTERN STATES AND UNITED STATES [Elevations in feet]

State	Highest point		Lowest point		Approximate mean elevation
	Name	Elevation	Name	Elevation	
TENNESSEE	Clingmans Dome	6,643	Mississippi River	178	900
Alabama	Cheaha Mountain	2,405	Gulf of Mexico	Sea level	500
Arkansas	Magazine Mountain	2,753	Oachita River	55	650
Florida	Sec. 30, T6N, R20W, Walton County ¹	345	Atlantic Ocean	Sea level	100
Georgia	Brasstown Bald	4,784	Atlantic Ocean	Sea level	600
Kentucky	Black Mountain	4,139	Mississippi River	257	750
Louisiana	Driskill Mountain	535	New Orleans	-8	100
Mississippi	Woodall Mountain	806	Gulf of Mexico	Sea level	300
North Carolina	Mount Mitchell	6,684	Atlantic Ocean	Sea level	700
South Carolina	Sassafras Mountain	3,560	Atlantic Ocean	Sea level	350
Virginia	Mount Rogers	5,729	Atlantic Ocean	Sea level	950
West Virginia	Spruce Knob	4,861	Potomac River	240	1,500
UNITED STATES	Mt. McKinley (Alaska)	20,320	Death Valley (CA)	-282	2,500

1. Sec. denotes section; T, township; R, range; N, north; W, west.

Source: U.S. Census Bureau, Statistical Abstract of the United States, 2001.

Legend for Figure 12.2

State Natural Areas	State Parks and Recreation Areas	State Parks and Recreation Areas, cont.	Other State Areas
1 Big Cypress Tree	2 Big Hill Pond	33 MouseTail Landing	48 Cordeil Hull Birthplace and Museum
3 Burgess Falls	17 Big Ridge	34 Natchez Trace	49 Justin P. Wilson Cumberland Trail
4 Dunbar Cave	18 Bledsoe Creek	35 Norris Dam	State Park*
5 Frozen Head	19 Booker T. Washington	36 Panther Creek	50 Davy Crockett Birthplace
6 Rando Lake	20 Cedars of Lebanon	37 Paris Landing	52 Old Stone Fort State Archaeological Park
	21 Chickasaw	38 Pickett	53 Pinson Mounds State Archaeological Park
State Historical Areas	22 Cove Lake	39 Pickwick Landing	
7 Harpeth Scenic River and Narrows	23 Cumberland Mountain	40 Reelfoot Lake	National Parks
8 Bicentennial Capitol Mall	24 David Crockett	41 Roan Mountain	55 Andrew Johnson
9 Fort Loudoun	25 Edgar Evins	42 Rock Island	56 Big South Fork
10 Fort Pillow	26 Fall Creek Falls	43 South Cumberland ¹	57 Chickamauga
11 Sgt. Alvin C. York	27 Harrison Bay	44 Standing Stone	58 Cumberland Gap
12 Johnsonville	28 Henry Horton	45 Tims Ford	59 Fort Donnelson
13 Nathan Bedford Forrest	29 Indian Mountain	46 T.O. Fuller	60 Greag Smoky Mountains
14 Port Royal	30 Long Hunter	47 Warrior's Path	61 Shiloh
15 Red Clay	31 Meeman-Shelby Forest	48 Hiwassee/Ocoee River State Park	62 Stones River
16 Sycamore Shoals	32 Montgomery Bell	51 Hiwassee/Ocoee River State Park	63 Obed Wild and Scenic River
			64 Natchez Trace Parkway and NST



Note: Does not include national forests.

1. South Cumberland is comprised of seven separate parks and state areas.

Source: Tennessee Department of Tourist Development and Tennessee Department of Conservation, <<http://www.state.tn.us/environment/parks>>. * Justin P. Wilson Cumberland Trail State Park, 65 miles of the Cumberland Trail are now open. Upon completion, this State Park (trail) will be 230 miles long, cutting through 10 counties from Cumberland Gap National Historic Park at the TN-VA-KY border to the Signal Point near Chattanooga.

TABLE 12.13—STATE PARKS AND RECREATION AREAS: ACREAGE, VISITORS AND REVENUE, SOUTHEASTERN STATES AND UNITED STATES, 1985—2000, SELECTED YEARS

State	Acreage 2000 (in 1,000)	Visitors ¹ (1,000)				Revenue, 2000	
		2000	1995	1990	1985	Total (\$1,000)	Percent of operating budget
TENNESSEE	141	30,182	29,656	26,093	19,998	28,451	55.3
Alabama	50	5,878	6,213	5,800	6,122	25,213	84.4
Arkansas	51	6,643	7,491	6,765	6,098	13,502	47.7
Florida	547	16,672	11,798	14,124	14,305	28,577	45.2
Georgia	76	16,124	15,880	14,924	11,616	18,172	38.4
Kentucky	44	7,792	8,530	26,704	22,992	50,607	66.8
Louisiana	36	1,715	1,435	1,090	1,258	3,484	23.2
Mississippi	24	4,198	4,263	3,703	4,468	7,266	38.8
North Carolina	159	12,400	11,974	8,549	6,554	3,500	15.5
South Carolina	80	9,247	10,565	7,236	9,188	16,057	62.2
Virginia	73	5,717	4,573	3,688	3,497	6,477	41.6
West Virginia	196	7,990	9,082	8,470	8,704	18,036	61.1
UNITED STATES	12,807	786,610	745,604	722,819	661,916	677,911	41.6

1. Includes overnight visitors.

Source: U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States, 2001, and earlier editions.

TABLE 12.14—FEDERALLY OWNED LAND 1999, AND LAND BY AGENCY, SOUTHEASTERN STATES, AS OF SEPTEMBER 30, 1989 [In acres]

State	Federally-owned land, 1999		Federally-owned land, 1989		Forest Service 1989	Park Service 1989
	Total (1,000 acres)	Percent of state	Total (1,000 acres)	Percent of state		
TENNESSEE	1,658	6.2	1,322	5.0	62,541.6	265,951.0
Alabama	1,234	3.8	550	1.7	62,164.1	6,348.4
Arkansas	3,238	9.6	3,421	10.3	2,496,952.4	97,706.2
Florida	3,066	8.8	3,355	9.7	110,008.9	2,172,338.1
Georgia	1,864	5.0	2,292	6.2	867,370.7	34,270.5
Kentucky	1,234	4.8	1,391	5.5	667,461.0	62,440.4
Louisiana	1,159	4.0	6,537	23.4	6,002,965.3	9,115.8
Mississippi	1,647	5.5	1,670	5.6	1,104,364.4	102,068.5
North Carolina	2,356	7.5	1,141	3.7	122,560.4	357,762.9
South Carolina	1,107	5.7	434	2.3	60,538.3	21,021.8
Virginia	2,284	9.0	1,918	7.6	1,043,522.6	354,368.6
West Virginia	1,178	7.6	2,099	13.6	1,884,948.2	29,108.0

State	Fish and Wildlife Service	Military services	Veterans Administration	Corps of Engineers	Tennessee Valley Authority	Department of Energy
	1989	1989	1989	1989	1989	1989
TENNESSEE	40,533.1	115,236.8	922.4	272,324.8	559,902.3	3,646.9
Alabama	13,544.5	171,813.2	674.0	69,654.9	221,711.6	0.0
Arkansas	220,858.5	94,350.0	295.1	508,412.3	0.0	1.0
Florida	204,650.8	674,047.6	534.2	19,483.3	0.0	0.0
Georgia	464,682.5	548,042.0	378.4	362,741.9	9,507.9	0.0
Kentucky	2,153.8	160,605.6	264.1	335,251.7	161,383.2	0.0
Louisiana	328,219.6	119,344.9	80.6	69,293.8	0.0	0.0
Mississippi	130,723.7	18,760.7	290.7	255,277.5	10,570.8	0.0
North Carolina	276,699.4	307,920.3	325.8	44,083.7	21,845.6	0.0
South Carolina	146,188.2	107,482.8	145.7	96,851.5	0.0	0.0
Virginia	103,182.1	277,734.3	1,273.5	109,964.3	1,624.5	11.0
West Virginia	455.3	49.8	424.2	84,134.7	0.0	0.0

Note: Percentages computed by the Center for Business and Economic Research using total land area from the Census of Population and Housing, 1990: Summary Tape File 1A.

1. Total includes categories not detailed separately.

Source: U.S. Census Bureau, Statistical Abstract of the United States, 2001; and General Services Administration, Public Buildings Service, direct correspondence.

TABLE 12.15—NATIONAL FOREST LAND, SOUTHEASTERN STATES AND UNITED STATES, AS OF SEPTEMBER 30, 1999 [In thousands of acres]

State	Total ¹	National forest system ²	Other lands within boundaries
TENNESSEE	1,212	634	578
Alabama	1,288	665	623
Arkansas	3,539	2,579	960
Florida	1,379	1,147	232
Georgia	1,856	865	991
Kentucky	2,102	693	1,409
Louisiana	1,024	604	420
Mississippi	2,310	1,159	1,151
North Carolina	3,166	1,244	1,922
South Carolina	1,375	613	762
Virginia	3,224	1,659	1,565
West Virginia	1,870	1,033	837
UNITED STATES	23,133	12,261	10,872

1. Comprises publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, land utilization projects, research and experimental areas, and other areas.

2. Federally owned land within the "Gross area within unit boundaries."

Source: U.S. Census Bureau, Statistical Abstract of the United States, 2001.

TABLE 12.16—NUMBER OF HAZARDOUS WASTE SITES ON THE NATIONAL PRIORITY LIST, SOUTHEASTERN STATES AND UNITED STATES, 1990—2000, SELECTED YEARS

State	2000	1999	1998	1997	1996	1995	1990
TENNESSEE	14	15	15	16	15	18	14
Alabama	15	13	12	13	13	13	12
Arkansas	12	12	11	11	12	12	10
Florida	53	51	53	54	53	55	51
Georgia	15	15	16	16	15	14	13
Kentucky	15	16	16	16	16	20	17
Louisiana	16	17	15	17	18	17	11
Mississippi	3	3	3	3	3	4	2
North Carolina	25	26	24	23	23	23	22
South Carolina	25	26	25	26	26	25	23
Virginia	31	29	27	25	25	24	20
West Virginia	9	8	7	7	7	7	5
UNITED STATES	1,279	1,260	1,245	1,231	1,245	1,270	1,197

Source: U.S. Census Bureau, Statistical Abstract of the United States, 2001 and earlier editions.

TABLE 12.17—WATER WITHDRAWN, BY SOURCE AND BY USE, SOUTHEASTERN STATES AND UNITED STATES, 1995 [In millions of gallons per day, except as noted]

State	Total	Per capita, fresh gallons per day)	Water withdrawn				Use			Consumptive use, fresh water ³
			Source	Surface water	Irrigation	Public supply ¹	Industrial ²	Thermo- electric		
TENNESSEE	10,100	1,920	435	9,640	24	831	868	8,300	233	
Alabama	7,100	1,670	445	6,650	139	875	753	5,200	532	
Arkansas	8,800	3,540	5,460	3,340	5,940	419	187	1,780	4,140	
Florida	18,200	509	4,340	13,800	3,470	2,360	649	11,600	2,780	
Georgia	5,820	799	1,190	4,630	722	1,250	676	3,070	1,170	
Kentucky	4,420	1,150	226	4,190	12	521	375	3,450	318	
Louisiana	9,850	2,270	1,350	8,500	769	677	2,580	5,480	1,930	
Mississippi	3,200	1,140	2,590	614	1,740	377	294	375	1,570	
North Carolina	9,290	1,070	535	8,750	239	939	385	7,420	713	
South Carolina	6,200	1,690	322	5,880	53	614	703	4,810	321	
Virginia	8,260	826	358	7,900	30	911	622	6,620	218	
West Virginia	4,620	2,530	146	4,470	0	217	1,330	3,010	352	
UNITED STATES	401,500	1,280	77,500	324,000	134,000	43,600	26,200	190,000	100,000	

Note: Total includes "Use" categories not shown separately.

1. Includes domestic withdrawals for normal household purposes.

2. Includes water used in mining.

3. Water that has been evaporated, transpired, or incorporated into products, plant or animal tissue and thus is not available for immediate reuse.

Source: U.S. Census Bureau, Statistical Abstract of the United States, 2001.

TABLE 12.18—EXPENDITURES FOR WILDLIFE-ASSOCIATED RECREATION, BY STATE WHERE SPENDING TOOK PLACE, SOUTHEASTERN STATES AND UNITED STATES, 2001
[In thousands of dollars]

State	Wildlife-associated expenditures			Fishing and hunting expenditures		
	Total ¹	Trip-related	Equipment	Total ¹	Trip-related	Equipment
TENNESSEE	1,716,100	589,981	975,315	1,267,557	383,253	762,864
Alabama	2,306,670	633,611	1,297,544	1,680,270	554,080	889,908
Arkansas	1,290,326	411,178	656,098	1,046,336	391,133	451,545
Florida	6,211,889	2,886,641	2,941,961	4,636,408	2,211,257	2,103,920
Georgia	1,664,546	561,262	908,864	1,128,775	437,998	544,162
Kentucky	1,844,927	334,023	1,232,252	1,243,377	284,247	903,456
Louisiana	1,608,468	574,843	933,472	1,440,048	519,418	836,133
Mississippi	973,984	286,452	593,915	670,508	250,343	350,268
North Carolina	2,455,216	702,566	1,525,904	1,628,333	544,043	951,343
South Carolina	1,337,821	502,654	753,025	1,081,448	413,609	603,575
Virginia	1,897,217	546,206	997,273	1,108,574	373,855	626,544
West Virginia	503,147	207,721	238,348	339,636	128,861	157,881
UNITED STATES	108,390,818	28,070,831	64,493,795	69,976,330	19,908,392	40,954,202

Note: In addition to hunting and fishing, the total includes amount spent for wildlife-watching activities.
Data are from a survey of persons 16 years old and older.

1. Total includes categories not shown separately.

Source: U.S. Department of the Interior, Fish and Wildlife Service and U.S. Department of Commerce, U.S. Census Bureau. 2001 National Survey of Fishing, Hunting and Wildlife-Associated Recreation. <<http://www.census.gov>> (Accessed 7 October 2002.)