

Cherokee, Nantahala, & Pisgah National Forests



Recreation Realignment Report

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August, 2001

Web Series: SRS-4901-2001-12

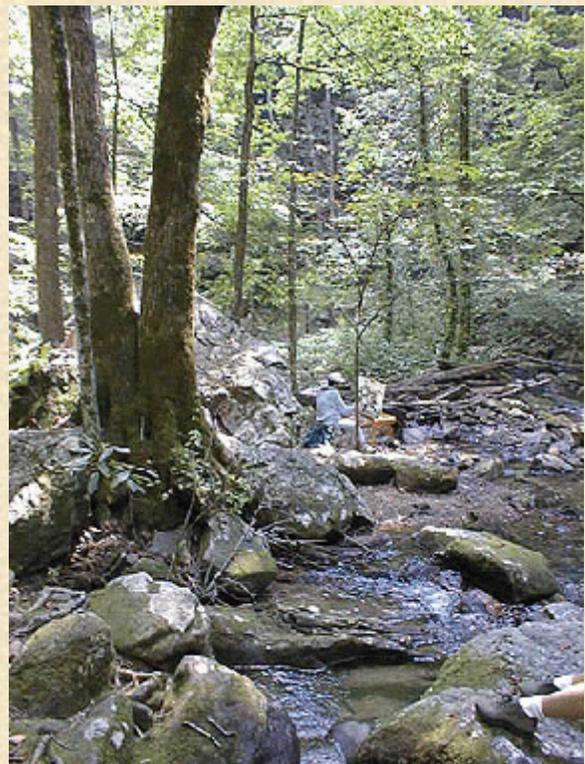


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Recreation Realignment Analysis¹

August, 2001

Introduction

As the USDA Forest Service encourages a more business-like approach to recreation management, National Forest managers need to know (1) their client base and what their outdoor recreation preferences are; (2) how local populations are shifting and changing; and (3) what recreation services and facilities other agencies or private businesses are providing in the area. By understanding these dimensions of demand, National Forests can evaluate the need to realign their recreation programs to match regional and local demand conditions. This report is meant to provide current research-based information to help Forest staff in their realignment decisions.

Report Objectives and Data Sources

The objective of this report is to provide recreation managers information they can use to make recreation realignment decisions. An assumption underlying this report is that recreation realignment should be based on public demands for recreation opportunities and that current survey data can help managers better understand public demands. To measure demand, researchers at the Athens Research Lab have drawn a 75-mile straight-line market area radius around each forest. Using available survey data, the report summarizes who lives in this *market area*, their recreation participation and demographic change profiles, and the equity implications of managing for different recreation activities. The recreation participation survey data presented is from the National Survey on Recreation and the Environment (NSRE), an on-going national telephone survey sponsored by the US Forest Service. U.S. Census and the Woods and Poole, Inc. econometric projections are the sources for demographic data.

On Analysis Assumptions

The 75-Mile Market Area

Analyses in this assessment are based on a 75-mile market area. At least two considerations justify this 75-mile radius. First, past research has demonstrated that most national forest trips originate from within a 75-mile (1 ½ hour driving time) radius. Thus, most recreation trips derive from within the market area. Second, variation in preferences varies surprisingly little for broad population groups (i.e. age strata) across geographic areas. While these factors reassure us that the use of the market area

¹ For clarification or further assistance, contact Ken Cordell at kcordell@fs.fed.us or call 706-559-4263.

provides a reasonable basis for guiding realignment decisions, the market area assumption does not hold in all cases. In particular, this assumption excludes the minority of recreationists who travel long distances to participate in activities -- the avid backpacker, rockclimber, and snowbirder. Some forests are known for high-quality experiences among these niche users. We have designed a special exercise to account for enthusiasts and niche markets later in this report.

Combining Forests

Some reports have market areas that include two or more nearby Forests. This has been done for efficiency in producing reports, but also in recognition that these nearby forests share local markets and have similar geography and demographic patterns. A list of reports for individual and combinations of forests follows:

Realignment Reports Prepared

1. Ocala and Osceola National Forests
2. Apalachicola and Conecuh National Forests
3. Talladega, William Bankhead, and Tuskegee National Forests
4. Delta, Homochitto, Bienville, Desoto National Forests
5. Tombigbee and Holly Springs National Forests
6. Kisatchie, Sabine, Angelina, Davy Crockett, and Sam Houston National Forests
7. Ouachita and Ozark National Forests
8. Oconee and Sumter National Forests
9. Uwharrie National Forest
10. Francis Marion National Forest
11. Croatan National Forest
12. Chattahoochee National Forest
13. Nantahala, Pisgah, Cherokee National Forest
14. Jefferson National Forest
15. George Washington National Forest
16. Daniel Boone National Forest

Vision of Interactive Session: How to Use this Report

1. This report is designed to be used in a facilitated workshop. It consists of 10 “analysis” steps which are designed to familiarize workshop participants with four broad sets of data describing: (1) Who lives in the market area, and what their recreation preferences are (Steps 1-3); (2) How population is expected to grow and how this will impact recreation demand (Step 4-6); (3) What the “niche” recreation settings or activities are on the Forest and what segments of the population will or will not be served if these activities are emphasized (i.e., what the “Civil Rights — Title VI” implications of providing different niche activities are) (Steps 7-8); (4) What other local private suppliers in the market area are providing (Step 9); and finally, Summary Reflections and Conclusions (Step 10).
2. The report has been divided into the following 10 “steps”:

3. The 10-Step Program to Recreation Realignment
 - a. Step 1 Population Analysis - Summarizes population change in the market area;
 - b. Step 2 Recreation Participation Analysis/Activity Segmentation - Summarizes overall outdoor recreation participation and then segments these activities into three types;
 - c. Step 3 Analysis of Highest Growth Outdoor Recreation Activities, 1995 - 2001 by type
 - d. Step 4 Detailed Recreation Participation Analysis by Demographic Strata - Overviews population composition and expected growth of 7 major demographic groups (age, gender, race, income, household type, urban-rural, and disability status) for forest-based outdoor recreation activities;
 - e. Step 5 Activity Score Summary Sheet - Summarizes frequency of forest-based activities from exercises in step 4;
 - f. Step 6 Summing Activity Scores Over Steps 2-4;
 - g. Step 7 Niche Activity Exercise - An exercise where each Forest identifies their most important Niche Activities;
 - h. Step 8 Equity Analysis - An exercise that identifies what populations are being served by the management of these activity settings;
 - i. Step 9 Private Suppliers of Outdoor Recreation Analysis - An overview of what other suppliers in the market area provide, and;
 - j. Step 10 Summary, Concerns and Follow-up - An opportunity for participants to record observations, concerns, and questions raised in steps 1-9.

Working through the steps above and using managers' local knowledge of users, their resource, and other providers in a National Forest market area, it is envisioned that a Forest can better target recreation provision for the benefit of the public. All information provided in this report is the product of available data. Not all potentially useful data is available; however. This report provides as much current data as possible within a limited timeframe and budget for use in realignment decisions. This report has been designed for use in an interactive meeting or workshop. Appendices have been designed for reference during the workshop and to be kept as a desk reference for future use.

Report Contents

- I. Report Text
 - < The Realignment Context: Some General Observations About Outdoor Recreation in the Southern Region.
 - < Analysis Steps 1-10 with graphics and bullet statements highlighting key findings and guiding managers through 10 analytical exercises or steps exploring the customer base, its recreation participation profiles, and its changing demographic composition.
- II. Appendices
 - < A complete set of formatted data tables:
 - < Appendix I: descriptive statistics about counties in the market area;
 - < Appendix II: detailed population growth and demographic data describing changes in the market area, including state and regional comparisons, temporal comparisons (1990 -

- 2000) and projections out to 2020.
- < Appendix III: total participation profiles for 1995 and 2001 by activity for over 40 activities and detailed demographic information describing who participates in these activities;
 - < Appendix IV: non-Forest Service outdoor recreation providers in market area.

The Realignment Context:

Some General Observations About Outdoor Recreation in the Southern Region²

- < Top recreation activities in which Southerners participate include walking for pleasure, attending family gatherings, visiting nature centers, sightseeing, driving for pleasure, picnicking, viewing or photographing natural scenery, and visiting historic sites. Far down the list in popularity are high technology, high skill activities such as rock climbing and whitewater kayaking that often occupy much of the attention of forest recreation managers.
- < Participation in most outdoor recreation activities has been growing steadily over the last few years. Of forest-based activities, viewing and photographing fish, wildlife, birds, wild flowers, and native trees are among the fastest growing in the South. Other fast growing activities include jet skiing, kayaking, day hiking, and backpacking.
- < To Southerners, outdoor recreation is a highly important part of their lifestyles. But because of climate and types of forest settings, the abundance of forests in the South, in comparison with other less forested regions of the country, does not result in higher forest recreation participation.
- < Twenty-six percent of residents of the South participate in gathering a wide variety of non-timber forest products (NTFPs). Most do so non-commercially. Sustaining availability of some NTFP resources will depend in large part on institutional capacities for education, monitoring, incentives, land management, and other conservation actions.
- < Numerous recreation opportunities of many types are available across the South. They are found in a wide variety of settings, ranging from large tracts of undeveloped land to highly developed theme parks in largely urban settings, both in public and private ownerships.
- < Of public ownerships, federal tracts typically are large and mostly undeveloped. They fill a niche of providing backcountry recreation. State parks and forests are usually smaller and more

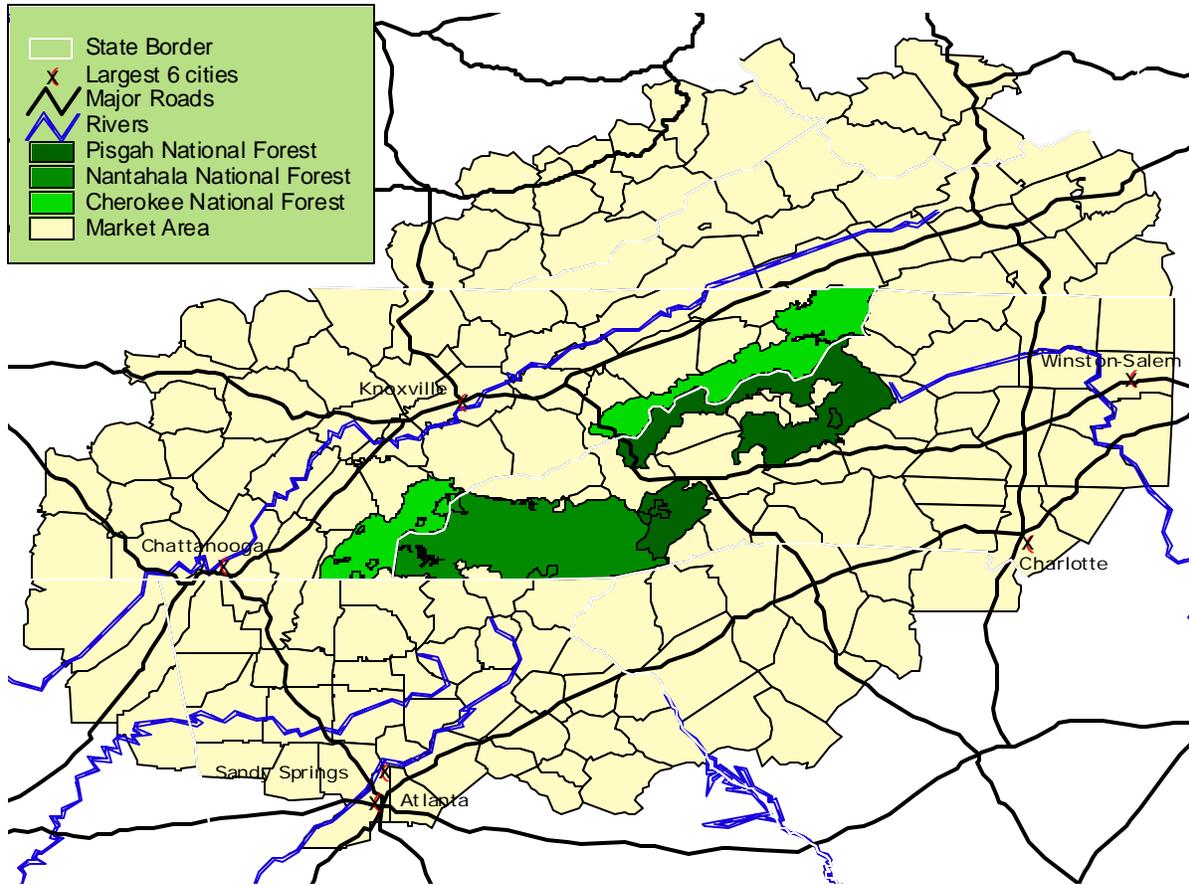
² Cordell, H. Ken and Michael A. Tarrant. 2002. Socio-6: Forest-based Outdoor Recreation. Wear, David N. and John G. Greis (eds.). Southern Forest Resource Assessment Final Report. General Technical Report SRS-xx. Asheville, NC: US Department of Agriculture, Forest Service, Southern Research Station.

developed. They provide camping, picnicking, swimming, fishing, nature interpretation, and scenery.

- < The outdoor recreation supply potentials of public lands will depend on policy evolution. On Southern National Forests, greater protection of roadless lands is likely, while at the same time recreation is increasingly finding its way to the tops of the priority lists of national forest managers. These trends are not as yet, but should be linked by explicit policies. National Parks will serve a different supply role because they are managed first to protect park resources and secondly for public enjoyment. On Fish and Wildlife Service refuges, recreation is viewed as an incidental or secondary use and is not allowed unless it is directly related to a refuge's primary purposes.
- < While continuing to grow, adjust and adapt, Southern state land systems, especially state parks, have reached a point of seeming maturity as a recreation resource, except for expansion of high-end resort developments which provide better sources of revenue.
- < Recreation access to private land is increasingly limited to the owners themselves, their families or friends, and lessees. The number of Southern private owners allowing the public to recreate on their land has been decreasing over time.
- < Accommodating future public recreation demand increases will likely fall mostly to public providers, most of whom will likely continue to face significant budget and capacity constraints. Some of this pressure would be reduced if private owners, the primary group of forest owners in the Region, were willing to open more of their vast forested land holdings to public recreation. Current trends are not promising, however. Increasing demands for off-road vehicle use, hunting, fishing, and other of the more consumptive recreational activities are likely to bring about more recreation participant/land owner conflicts over time.
- < As forest recreation demands grow, recreation activities are likely to conflict more with each other, especially on trails, in backcountry, at developed sites, on flat water (large rivers and lakes), in streams and whitewater, and on roads and their nearby environs. Typically a greater degree of conflict is perceived by one group of recreation users (usually traditional and non-motorized users) than is perceived by other groups (usually non-traditional and mechanized/motorized users).
- < Depending on the characteristics of recreation use, the forest site, and site management, recreation can have a variety of impacts on soils, water, vegetation and animal life. Almost all types of recreation activity have impacts, but this is especially so for motorized uses.
- < Forested areas in the South with heavy recreation pressures include the coastal Carolinas; coastal Florida; coastal Alabama, Mississippi, and Louisiana; the "Piedmont Crescent," south central Mississippi, the Ozark and Ouachita Mountains, and northeastern West Virginia.

Step 1. – Population Analysis

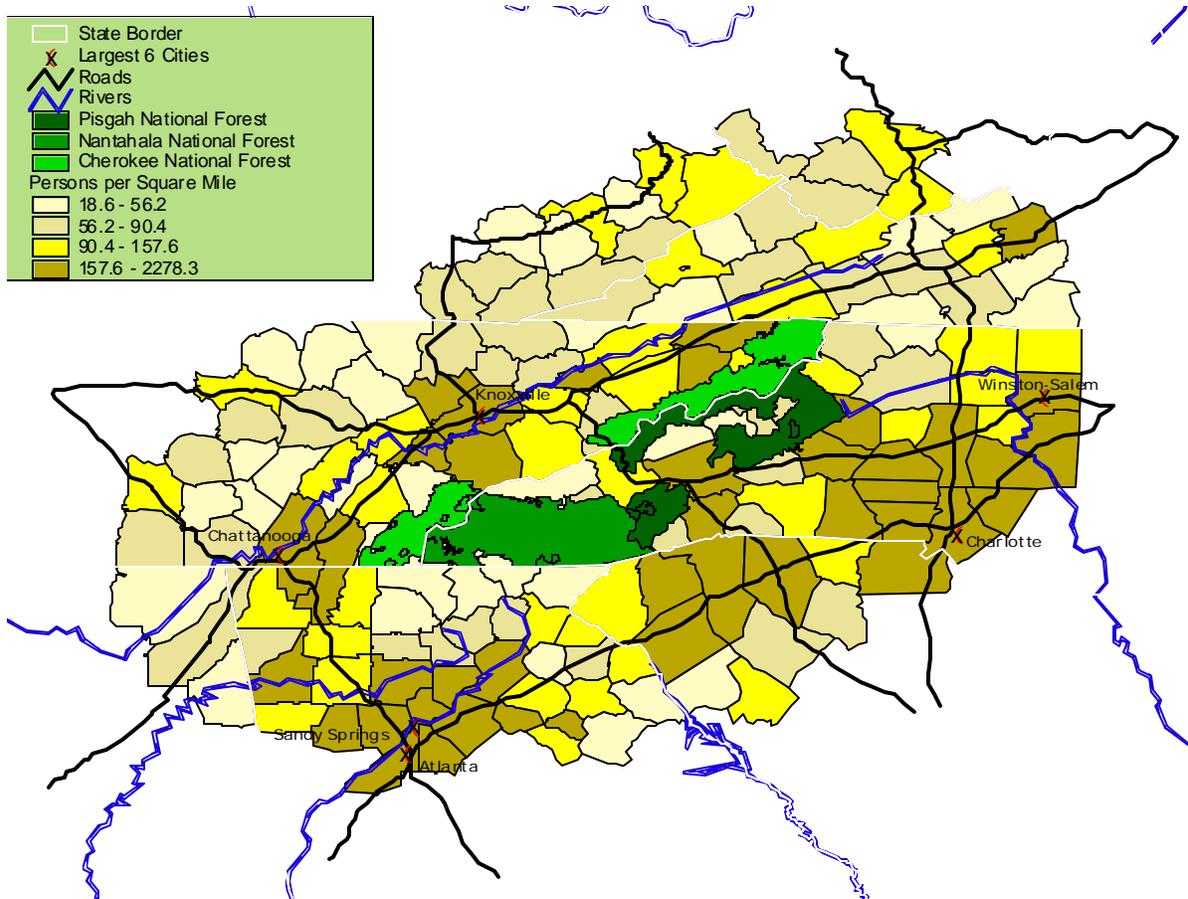
Step 1.1 -- The Market Area Defined



- < Throughout this report, data will be presented under the heading “Market Area.” The Market Area is defined as all counties that fall within a 75-mile straight-line radius from the forest border. The market area of this report for the Cherokee, Nantahala, and Pisgah National Forests is shown above.

Step 1. – Population Analysis

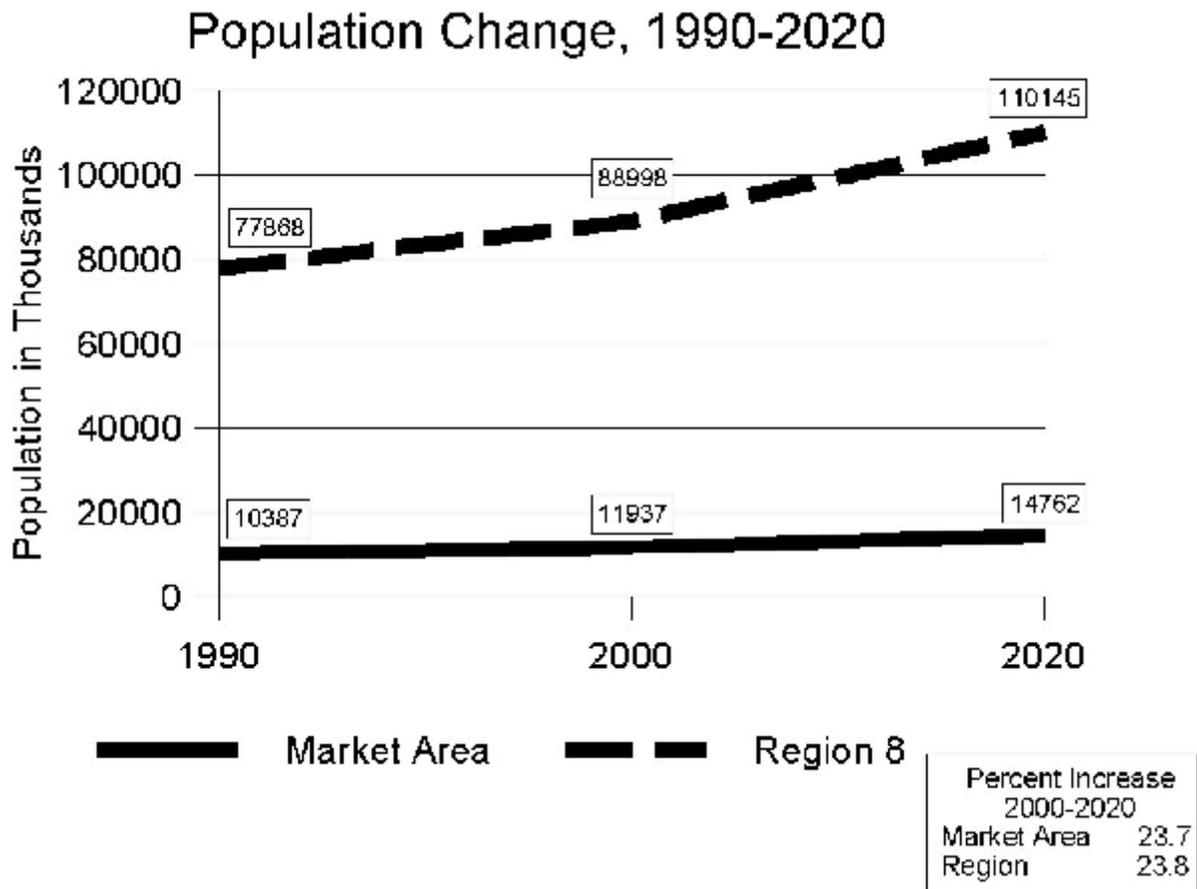
Step 1.2 -- Persons Per Square Mile by County in Market Area



- < This map shows the number of persons per square mile by county in the market area. Counties with the darkest shading have the most dense populations (157.6 - 2278.3 persons per square mile).
- < Its clear that many of the more dense counties in this market area occur along major highway corridors including Interstates 20, 77, and 95 in South Carolina and North Carolina, Interstate 75 in Georgia, and Interstate 40 in Tennessee.
- < As population in the market area grows and develops, public lands in the area will increasingly be seen as a place of relaxation, a quiet, peaceful retreat from the built community.

Step 1. – Population Analysis

Step 1.3 -- Total Population, 1990 - 2020, and Projected Percent Change 2000 - 2020 in Market Area and Region



Source: Table I. 1

- < This figure shows total market area and regional population, 1990 - 2020.
- < You currently have 11,936,500 persons in your market area.
- < As you can see from the inset box, this market area has about the same expected growth as the region as a whole. As such, you can probably expect about the same pressure from recreation on your Forest as forests in the region as a whole (cf. Table I a.2).

Step 1. – Population Analysis

Step 1.4 -- Fastest and Slowest Growing Counties, 2000- 2020

Fastest Growing	Projected Percent Change, 2000-2020	Slowest Growing	Projected Percent Change, 2000-2020
1) Paulding, GA	73.7	1) Buchanan, VA	0.3
2) Oconee, GA	69.5	2) Union, SC	0.1
3) Forsyth, SC	69.4	3) Overton, TN	-0.8
4) White, GA	67.0	4) Grayson, VA	-3.3
5) Cherokee, GA	66.7	5) McDowell, WV	-15.4

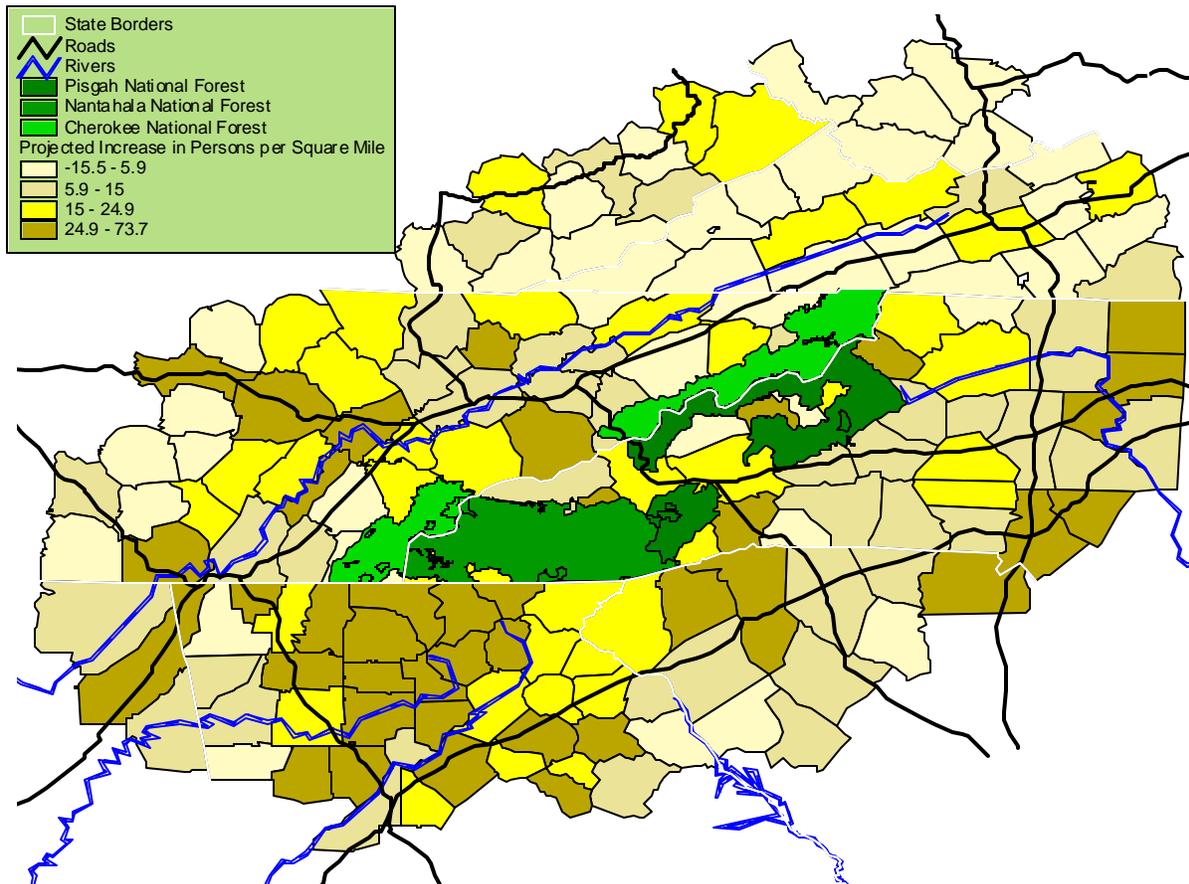
- < The table above lists the 5 fastest and 5 slowest growing counties in your market area. For a complete list of all counties by population growth, see Appendix I, Table 1 “Overview of Market Area”.
- < **Exercise:** Using the box below, list all the counties which are adjacent to your management area. List all that you can recall. Then go to Appendix I, Table 1 and record the projected population growth for each county you listed. This will familiarize you with population change in your work area.

Step 1.5 -- Projected Population Change in Counties Nearest My Districts (Source: Table I. 1)

County Name	Projected Population Change 2000-2020 (%)

Step 1. – Population Analysis

Step 1.6 -- Projected Increase in Persons Per Square Mile 2000 - 2020



- < The map on this page shows the projected growth in persons per square mile in your market area. The counties with the darkest yellow shading are increasing most in density (i.e., in persons per square mile).
- < **Exercise:** Noting the population trends and changes that are expected and the geographic patterns of faster- or slower-growth counties, take a moment to reflect on the implications concerning which Forest corridors and recreation areas might be most impacted in the future. Record your observations below:

Step 1.7 -- Observations on Locational Implications of Growth on my Forest and Districts

Step 2. – Recreation Participation Analysis and Segmentation of Activities

- < Population growth and change represents one important dimension of recreation realignment. As populations grow there is likely to be greater recreation demand, but for which activities?
- < In Steps 2-4 to follow, we will explore 3 separate dimensions of demand. First, we explore the 20 top activities in the region in terms of overall participation (Step 2). Second, we explore the fastest growing activities (Step 3). Finally, we look at activity demand by demographic strata and growth in demographic strata (Step 4). Then, in Steps 5 and 6 we combine these dimensions to arrive at a “big picture” of market area recreation demand.
- < Step 2: The table on the following page -- “Top 20 Recreation Activities in Order of Popularity” -- represents a first “cut” in understanding demand for outdoor recreation. It presents the 20 most popular outdoor activities in the region as a whole by the percentage and number of persons participating at least once/year. As broadly enjoyed outdoor activities, these can be thought of as representing core general demands of the public at large for outdoor recreation.
- < Take a minute to review the most popular activities in the region in order of popularity.
- < In order to target outdoor recreation activities most relevant to forest settings *and to your market area* we next segment these activities into three types.

Step 2.1 -- Top 20 Activities in the Region in Order of Popularity (Source: Table III. 3a)

Activity	Region 8	
	Percent participated 2001	Number (millions) participated 2001
Walk for pleasure	81.0	55.97
Family gathering	72.3	49.96
View/photograph natural scenery	55.5	38.35
Visit nature centers, etc.	53.1	36.69
Sightseeing	51.4	35.52
Driving for pleasure	50.6	34.96
Picnicking	49.1	33.93
Visit historic sites	43.1	29.78
View wildlife	42.5	29.37
Swimming in natural water	40.0	27.64
Bicycling	34.2	23.63
View birds	30.8	21.28
Visit a wilderness	29.5	20.38
Warmwater fishing	28.5	19.69
Gather mushrooms, berries, etc.	26.9	18.59
Day hiking	26.2	18.10
Visit waterside besides beach	25.9	17.90
View or photograph fish	25.5	17.62
Developed camping	21.9	15.13
Visit archeological sites	19.7	13.61

Step 2.2 -- Segmentation of Activities

Step 2.2a -- Type I Activities - These are activities that are *broadly popular across demographic groups in your market area*. Because of their common popularity, it is recommended that managers broadly provide these wherever possible, especially those with more than 50 percent participation.

Type I Activities - Broadly Popular Activities in Market Area; Percent and Number of Participants (in millions) (Source: Table III. 3b)

	% Participated	# Participants
Walk for pleasure	84.1	7.73
Family gathering	76.0	6.99
View/photograph natural scenery	62.7	5.76
Sightseeing	58.5	5.38
Picnicking	57.9	5.32
Driving for pleasure	57.5	5.28
Visit nature centers, nature, museums, etc.	57.0	5.24
Visit historic sites	46.6	4.28
Boating	35.4	3.25
Bicycling	30.9	2.84
Motorboating	27.1	2.49

< **Exercise:** In the space provided below, record all activities that over 50 percent of the public in your market area enjoys at least once/year.

Step 2.2a1 — Activities Enjoyed by at least 50 percent of your Market Area.

< For the remainder of the report, we focus on Type II and Type II activities. These are activities

at the mid-levels of popularity (Type II) and “niche” activities (Type III).

Step 2.2b — Type II Activities - These are activities in the mid-range of popularity which are *especially suitable for National Forests*. It is recommended that managers provide opportunities for the most popular of these activities among residents of your market area. This idea of focusing on the most popular activities will be carried forward later in this analysis (in Step 6) where activities are scored across multiple criteria, popularity being one.

Type II Activities -- Activities Especially Suitable for NFs settings; Percent and Number of Participants (in millions) (Source: Table III. 3d)

	% Participated	# Participants
View or photograph wildflowers, trees, or other natural vegetation	47.2	4.34
View wildlife	46.9	4.31
Swimming in streams, lakes, ponds, or the ocean	42.7	3.92
View birds	35.0	3.22
Visit a wilderness or other primitive, roadless area	34.7	3.19
Day hiking	33.7	3.10
Gather mushrooms, berries, and other non-timber products	31.1	2.86
Visit waterside besides beach	29.2	2.68
Warmwater fishing	28.9	2.66
View or photograph fish	23.7	2.18
Developed camping	22.2	2.04
Drive off-road	20.6	1.89
Mountain biking	17.7	1.63
Primitive camping	16.1	1.48
Backpacking	10.7	0.98
Small game hunting	9.0	0.83

Big game hunting	8.4	0.77
Horseback riding on trails	7.9	0.73

Step 2.2c — Type III Activities - Niche Activities are activities that take advantage of unique, high quality opportunities and representing mostly enthusiast users on your forest. Because of their special nature, it is recommended you emphasize when your resources are unique and high quality.

Type III Activities - Niche Activities for Forests with Unique Resources; Percent and Number of Participants (in millions) (Source: Table III. 3f)

	% Participated	# Participants
Visit archeological sites	19.9	1.83
Coldwater fishing	17.8	1.64
Rafting	11.2	1.03
Saltwater fishing	10.2	0.94
Waterskiing	9.5	0.87
Canoeing	7.3	0.67
Snorkeling or scuba diving	6.5	0.60
Kayaking	2.1	0.19
Migrating bird hunting	1.1	0.10

Step 3. – Analysis of Fastest Growing Outdoor Recreation Activities

(Source: Table III, 3e)

Activity	Absolute change, 1995 to 2001	Percent change in number of participants, 1995 to 2001
View or photograph fish	1.19	107.9
View wildlife	1.97	73.1
Day hiking	1.13	47.8
View birds	1.07	41.1
Drive off-road	0.61	39.2
Small game hunting	0.22	28.6
Backpacking	0.23	23.0
Warmwater fishing	0.60	21.4
Swimming in streams, lakes, ponds, or the ocean	0.83	19.6
Horseback riding on trails	0.15	17.9
Primitive camping	0.27	15.0
Developed camping	0.33	12.1
Big game hunting	0.11	10.5

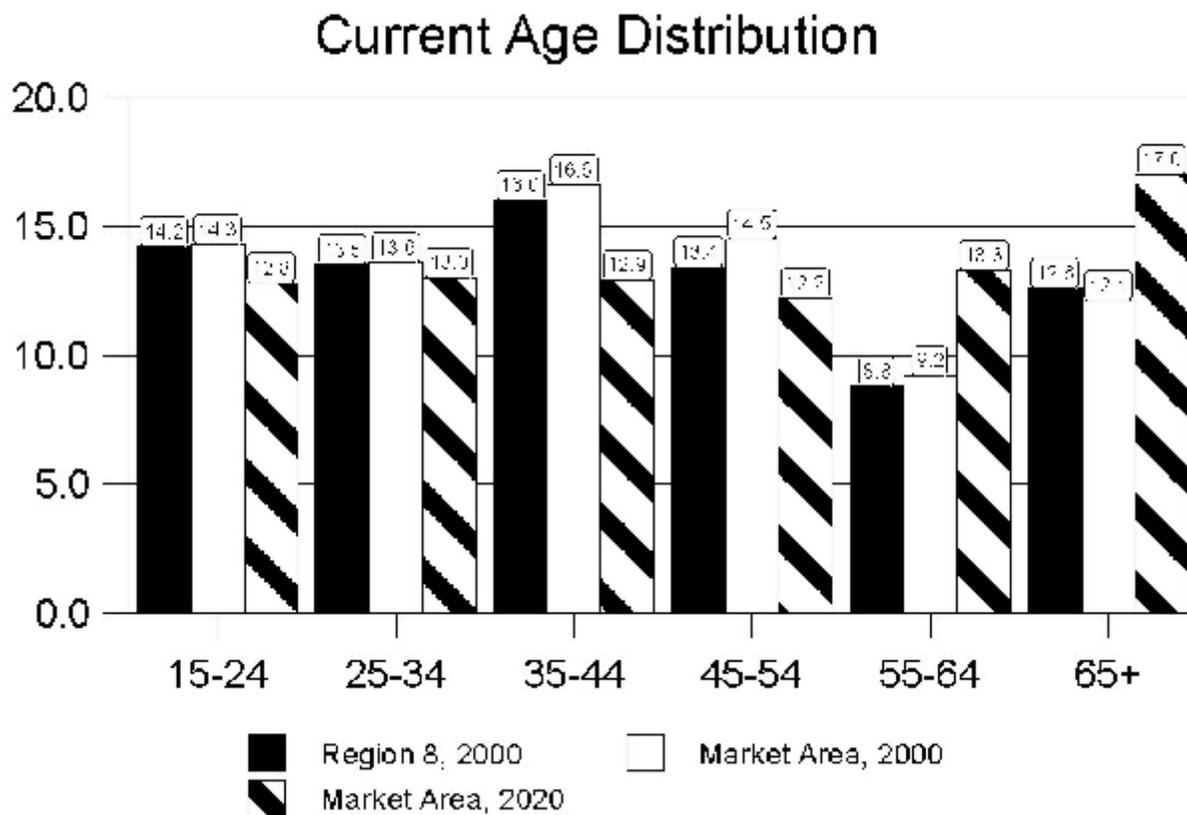
- < A second important dimension of demand in the market area is captured by considering which outdoor recreation activities are growing fastest in terms of total participation. Some activities are in decline while others are increasing in demand. In this table, Type II activities are organized by rate of growth from 1995-2001 in your market area. Those which have experienced the highest rate of growth are at the top of table.

- < **Exercise:** In the space provided below, please record the fastest growing Type II activities in your market area. Record up to 6 activities. Remember the absolute change numbers are in millions of participants.

Step 3.1 -- Fastest Growing Activities in your Market Area

Step 4. – Recreation Participation Analysis by Demographic Strata

< We have overviewed 2 dimensions of demand, total participation (i.e., most popular activity) and fastest growing activity 1995-2001. In Step 4, we walk through an analysis the recreation preferences of each of 7 demographic categories (e.g., age, gender, household size, race, income, urban-rural status and disability status). For each one, first we summarize the distribution of the population by strata (e.g. age strata). Second, we consider the current recreation preferences of each strata. Finally, we examine the projected growth of each strata and consider the implications of this projected growth for recreation demand. We start with age and proceed from there. In the end, we will summarize what we have learned about demand in the market area across all demographic groups.



Step 4.1 – Age

(Source: Table II. 2b,c)

< The age distribution of the population differs to some extent from market area to market area. In part, this is related to the strength of area economies, migration and immigration. The age distribution is important to consider in recreation management because people’s outdoor recreation activities are highly age dependent. The previous figure shows the distribution of ages in the region and market area.

Step 4.1.a – Current Age Distribution

< The table below lists favored activities by age strata. The activities listed for each strata below are those in which the age strata makes up a disproportionately greater share of the participants compared to their percentage of the population as a whole. This can be interpreted as activities each age strata favors. If you manage for such favored activities, which activities would you emphasize?

Favored Activities by Age Strata (Source: Table III. 4b1-6)

Age Strata	Favored Activities	Percent of Age Strata in Market Area
15-24	1. Small game hunting 2. Backpacking 3. Primitive Camping	14.3
25-34	1. Drive off-road 2. Mountain biking 3. Big game hunting	13.6
35-44	1. View or photograph fish 2. Developed camping 3. Visit waterside besides beach	16.6
45-54	1. Horseback riding on trails 2. View or photograph fish 3. View or photograph wildflowers, trees, or other natural vegetation	14.5

55-64	1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife	9.2
65+	1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife	12.1

Step 4.1.b – Future Age Distribution

How Will Population Age Structure Change 2000 - 2020? (Source: Table II. 2e)

Age Group	Market Area		Region 8	
	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020
15-24	184.3	10.8	1,865.6	14.7
25-34	290.6	17.9	2,460.7	20.5
35-44	-70.2	-3.5	-708.3	-5.0
45-54	73.0	4.2	826.0	6.9
55-64	872.6	79.6	6,339.3	80.6
65 & older	1,064.4	74.0	7,363.5	65.4

- < In the future, the population of the United States is expected to age. The median age in the United States has risen steadily since the 1800s in part due to increases in medical technology and hygiene, and rising real income. In 1850, the median age was 18.9 years, in 1990 in was 32.8. By 2020, the median age is expected to increase 8.5 percent to about 38 years. As the population ages, their recreation preference profile will change. Activities that older people like to do will become more popular and enjoy increases in demand on recreation areas.
- < The table above shows percent increases in each of the age strata in the market area, 2000 - 2020.

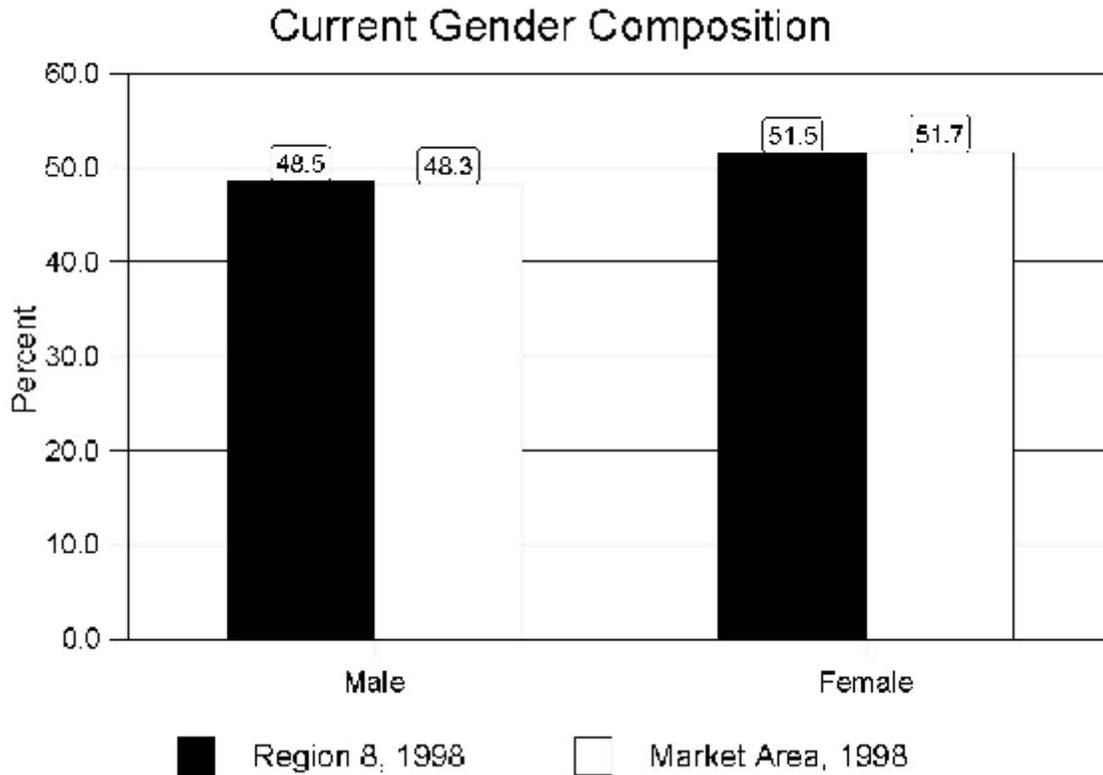
- < 65+, 55-64, and 25-34 are the highest growth strata (in absolute numbers) in the market area.
- < Given the aging of the market area, which activities does this suggest you might market to/provide more of in the future?

Step 4.1.c – Favored Activities of Fastest Growing Age Groups

(Source: Table III. 4b1-6)

High Growth Age Strata	Favored Activities
65+	<ol style="list-style-type: none">1. View birds2. View or photograph wildflowers, trees, or other natural vegetation3. View wildlife
55-64	<ol style="list-style-type: none">1. View birds2. View or photograph wildflowers, trees, or other natural vegetation3. View wildlife
25-34	<ol style="list-style-type: none">1. Drive off-road2. Mountain biking3. Big game hunting

Step 4.2 – Gender



(Source: Table II. 8)

Step 4.2.a – Current Gender Composition

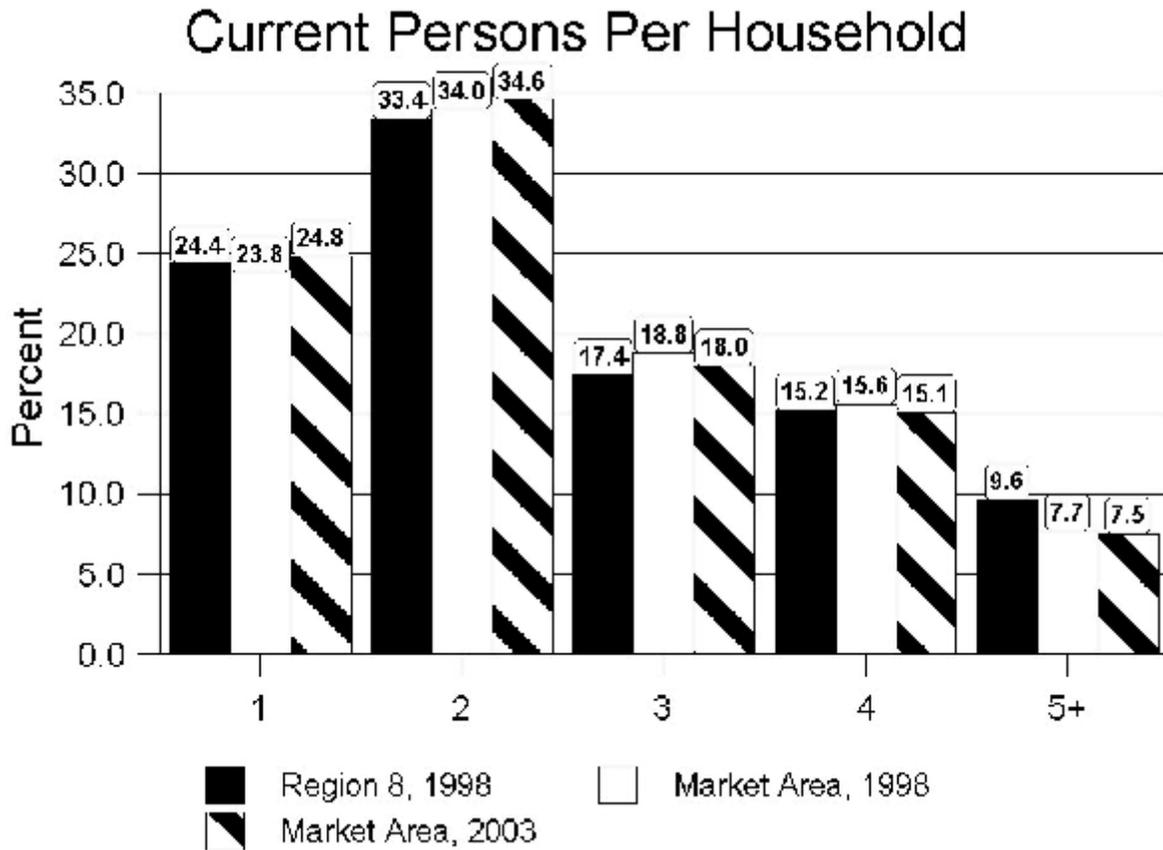
- < Gender is highly important as well as a determinant of the activities people chose. Women prefer some activities in much higher numbers than men. Thus the gender distribution and different preferences of men and women are important considerations in supplying outdoor recreation programs to serve the public. The figure above shows the gender distribution in the region and market area.
- < If you marketed for activities disproportionately preferred by gender, which activities would you emphasize?

Favored Activities by Gender Strata (Source: Table III. 4a1-2)

Gender Strata	Favored Activities	Percent of Gender Group in Market Area
Female	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife 4. Swimming in streams, lakes, ponds, or the ocean 5. Developed camping 	51.7
Male	<ol style="list-style-type: none"> 1. Small game hunting 2. Big game hunting 3. Drive off-road 4. Primitive camping 5. Backpacking 	48.3

< Because the gender distribution does not tend to vary across time (i.e. the proportion of males and females generally stays the same), we will not consider the projected change in gender composition, as we will for other demographic categories.

Step 4.3 – Household Size



(Source: Table II. 3b)

Step 4.3.a – Current Household Distribution

- < The household type varies somewhat from market area to market area. In part, this is related to the age, wealth and ethnic structure of an area. Different household types (families, singles, childless couples, retirees, etc) may have different recreation setting and experience preferences. The figure above shows the distribution of regional and market area residents by household size.
- < If you managed for household types, which activities would you emphasize?

Favored Activities by Household Type (Source: Table III. 4c1-5)

Household Type Strata	Favored Activities	Percent of Household Type Group in Market Area
1 person household	1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. Visit a wilderness or other primitive, roadless area	23.8
2 person household	1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife	34.0
3 persons household	1. Drive off-road 2. Small game hunting 3. Big game hunting	18.8
4 person household	1. Small game hunting 2. Warmwater fishing 3. Backpacking	15.6
5 or more	1. Backpacking 2. Day hiking 3. Mountain biking	7.7

Step 4.3.b – Future Household Distribution

How Will Household Structure Change 1998 - 2003? (Source: Table II. 3e)

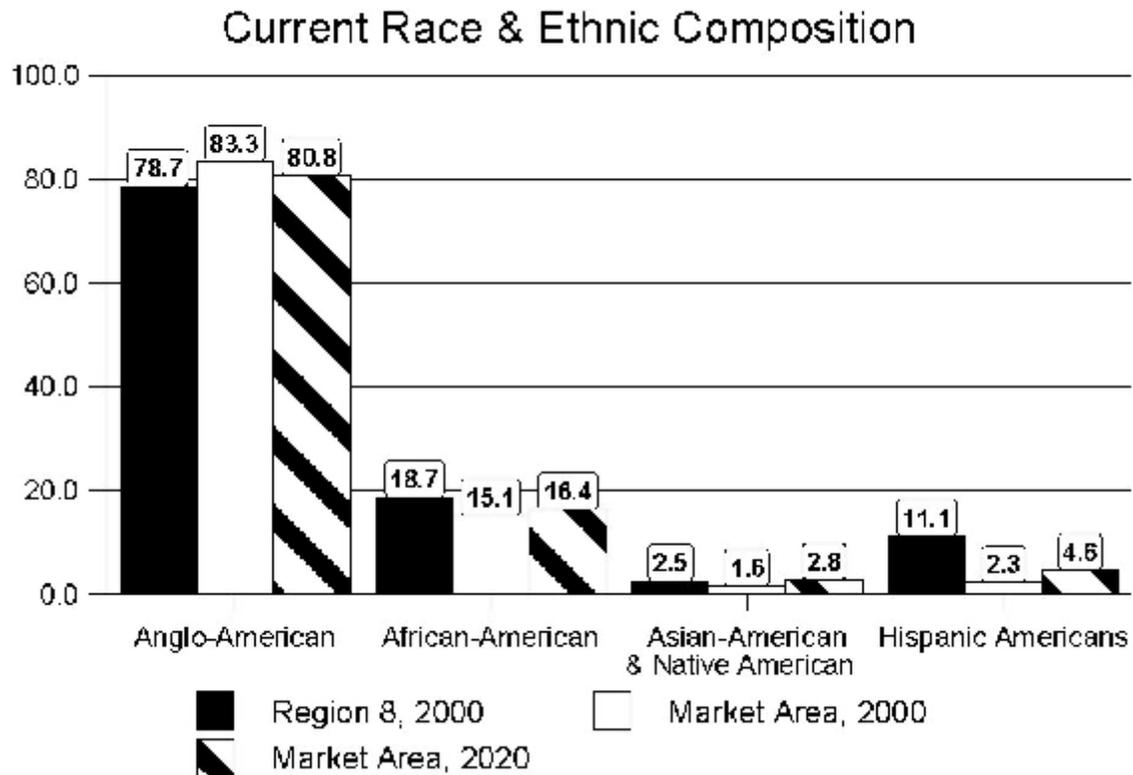
Household Size	Market Area		Region 8	
	Absolute change, 1998-2003	Percent change, 1998-2003	Absolute change, 1998-2003	Percent change, 1998-2003
1 person	157.4	14.6	961.5	12.1
2 person	186.9	12.2	1080.5	9.9
3 person	41.9	4.9	174.2	3.1
4 person	47.3	6.7	241.4	4.8
5 persons or more	20.7	5.9	134.0	4.3

- < In the future in the United States the population will continue to age and young people are expected to continue to delay marriage until their mid- and late- 20s. As these trends “mature” in the future, there are likely to be fewer larger households in the United States as a whole.
- < The table above shows percent increases in each of the household strata in the market area, 1998 - 2003.
- < 2-person, 1-person, and 4-person households are the highest growth strata.
- < Given the nature of changing household structure to smaller sized households in the market area, which outdoor recreation activities would you want to consider providing more of in the future?

Step 4.3.c – Favored Activities of Fastest Growing Household Size

High Growth Household Type Strata	Favored Activities
Highest growth	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife
2 nd Highest growth	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. Visit a wilderness or other
3 rd Highest growth	<ol style="list-style-type: none"> 1. Small game hunting 2. Warmwater fishing 3. Backpacking

Step 4.4 – Race & Ethnicity



(Source: Table II. 4c)

Step 4.4.a – Current Race/Ethnic Distribution

- < Shifting racial and cultural ethnicity of the population is one of the most dramatic of social changes occurring in the United States. While a little less pronounced in this region than in others, growth of the Hispanic and Asian populations in the U.S. is occurring at rates sufficient for size of these groups to exceed the African American population before the end of the century. The race and ethnic distribution is important to consider in recreation management because people's outdoor recreation activities tend to differ across race strata. The figure above shows the distributions of residents in the region and market area residents by race/ethnicity.
- < If you managed for recreation activities preferred by one race class more than the population as a whole, what activities would you emphasize?

Favored Activities by Race Strata (Source: Table III. 4d1-4)

Race Group Strata	Favored Activities	Percent of Race Group in Market Area
Anglo Americans	1. Day hiking 2. Primitive camping 3. Big game hunting	83.3
African American	1. Mountain biking 2. View or photograph wildflowers, trees, or other natural vegetation 3. View birds	15.1
Asian Americans/ American Indians	1. Backpacking 2. Developed camping 3. Drive off-road	1.6
Hispanic Americans	1. Day hiking 2. Mountain biking 3. View or photograph wildflowers, trees, or other natural vegetation	2.3

Step 4.4.b – Current Race/Ethnic Distribution

How Will the Race and Ethnicity of the Population Change 2000 - 2020? (Source: Table II. 4h)

Race/ethnicity	Market Area		Region 8	
	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020
Anglo American	1,152.1	13.1	14,545.5	20.8
African American	332.6	22.6	4,825.3	28.9
Asian/American Indian	65.0	54.0	1,776.3	79.3
Hispanic American	172.6	161.1	7,931.9	80.2

< Over the next 50 years, the racial composition is projected to change dramatically in the United States. Between 1990 and 2050, the proportion of Anglo Americans are expected to decline from more than 76 percent to just over 50 percent. Shortly thereafter, Anglo Americans will no longer be a numerical majority. Considerable growth is expected in Hispanic populations in

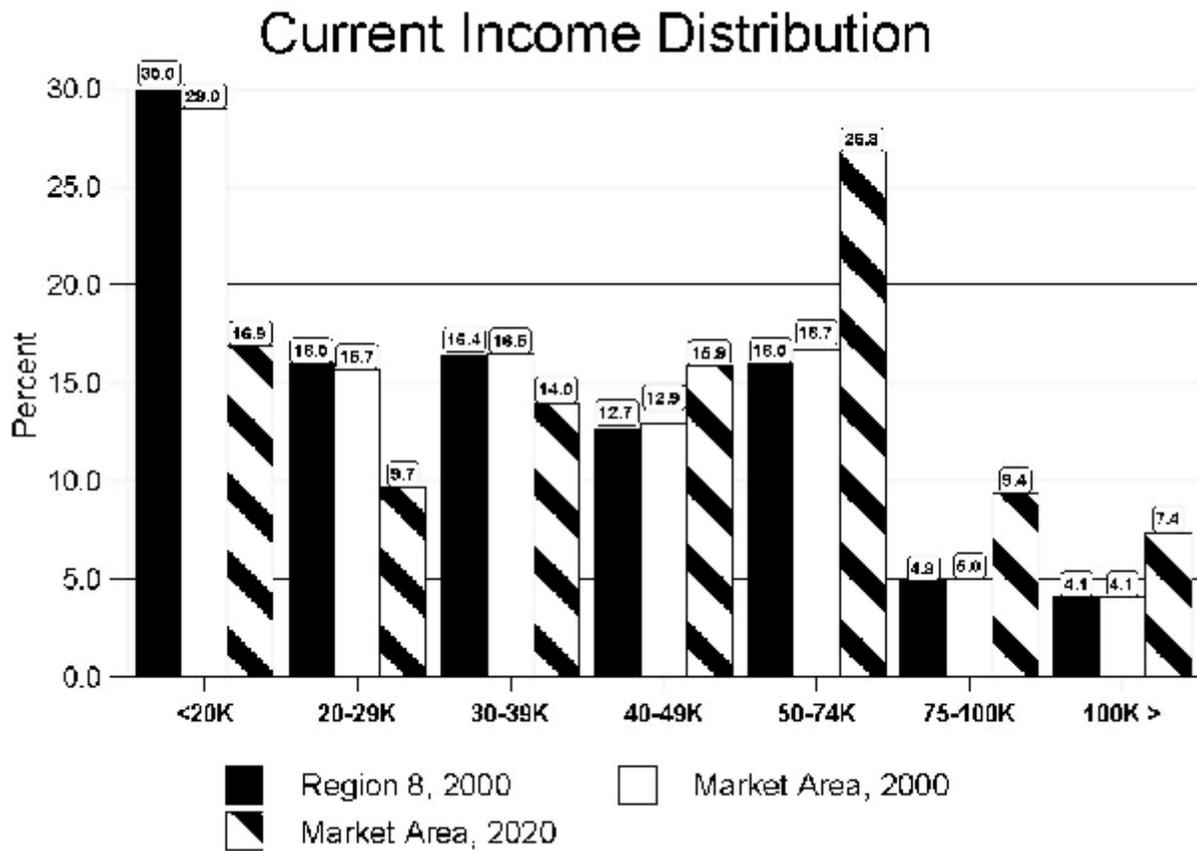
particular. As increases occur more in some race strata than others, the activities that these strata participate in are likely to experience increased demand.

- < The table above shows percent increases in each of the race strata in the market area, 2000 - 2020.
- < Anglo American, African American, and Hispanic American groups are the highest growth strata.
- < Given the changing racial composition in the market area, which activities would you want to consider providing more of in the future?

Step 4.4.c – Favored Activities of Fastest Growing Race Group

High Growth Race Group Strata	Favored Activities
Highest growth race group	<ol style="list-style-type: none"> 1. Day hiking 2. Primitive camping 3. Big game hunting
2 nd highest growth race group	<ol style="list-style-type: none"> 1. Mountain biking 2. View or photograph wildflowers, trees, or other natural vegetation 3. View birds
3 rd highest growth race group	<ol style="list-style-type: none"> 1. Day hiking 2. Mountain biking 3. View or photograph wildflowers, trees, or other natural vegetation

Step 4.5 – Income



(Source: Table II. 5b)

Step 4.5.a – Current Income Distribution

- < Income is very much linked to recreation participation choices. Incomes in the South have been rising, but not uniformly. Some counties still have persistently high levels of poverty and some have actually declined a little in real income. Income gains or losses in a market area can provide another source of information about how to align recreation management with demand conditions.
- < If you marketed to current income groups, which activities would you emphasize?

Favored Activities by Income Strata (Source: Table III. 4e1-11)

Income Strata (dollars) K=1,000	Favored Activities	Percent of Income Group in Market Area
< \$20,000	1. Gather mushrooms, berries, and other non-timber products 2. Drive off-road 3. Mountain biking	29.0
\$20-29,999	1. Primitive camping 2. Small game hunting 3. Backpacking	15.7
\$30-39,999	1. Big game hunting 2. Drive off-road 3. Developed camping	16.5
\$40-49,999	1. Horseback riding on trails 2. View or photograph fish 3. Developed camping	12.9
\$50-74,999	1. Big game hunting 2. Backpacking 3. Horseback riding on trails	16.7
\$75-99,999	1. Visit waterside besides beach 2. Warmwater fishing 3. Mountain biking	5.0
\$100,000 >	1. Backpacking 2. Visit a wilderness or other primitive, roadless area 3. Mountain biking	4.1

Step 4.5.b – Income Distribution

How Will Population Income Change 2000 - 2020? (Source: Table II. 5e)

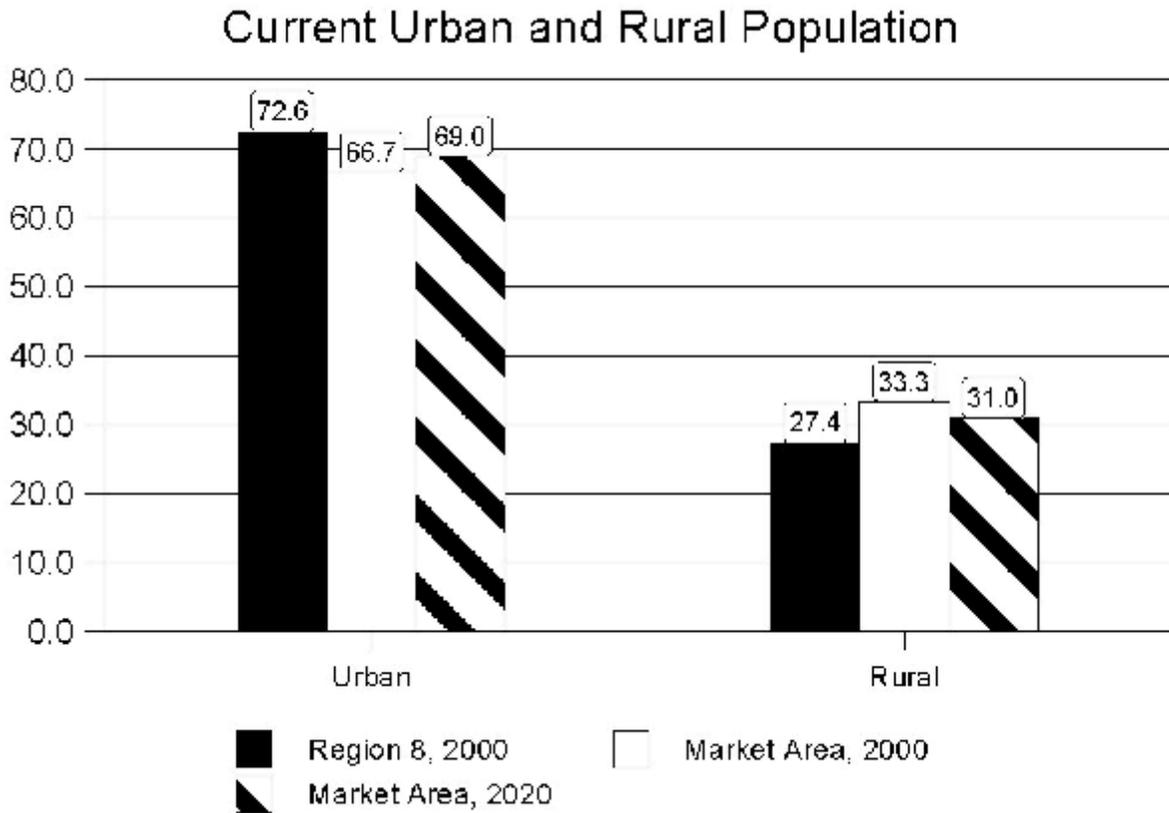
Income category	Market Area		Region 8	
	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020
< \$20,000	-363.8	-27.2	-1,351.7	-28.3
\$20,000-29,999	-167.4	-23.0	-1,278.2	-23.9
\$30,000-39,999	43.3	5.7	231.9	4.2
\$40,000-49,999	322.7	54.0	2,519.8	59.5
\$50,000-74,999	775.1	100.4	2,897.0	100.9
\$75,000-99,999	311.4	133.6	2,005.4	122.1
\$100,000 >	239.0	125.9	756.4	123.1

- < In the future, income in the United States is expected to rise. The table above shows percent increases in each of the income strata in the market area, 2000-2020.
- < \$50,000-74,999; \$40,000-\$49,999; and \$75,000-\$99,999 groups are the highest growth strata in the market area.
- < Given the changing income composition in the market area, which activities would you want to consider providing more of in the future?

Step 4.5.c – Favored Activities of Fastest Growing Income Group

High Growth Income Strata	Favored Activities
Highest growth income group	1. Big game hunting 2. Backpacking 3. Horseback riding on trails
2 nd highest growth income group	1. Horseback riding on trails 2. View or photograph fish 3. Developed camping

3 rd highest growth income group	<ol style="list-style-type: none"> 1. Visit waterside besides beach 2. Warmwater fishing 3. Mountain biking
---	--



Step 4.6 – Urban and Rural

Step 4.6.a – Current Urban and Rural Distribution

(Source: Table II. 6b)

- < The urban/rural distribution of the population differs from market area to market area. Urban populations are growing at much faster rates and numbers than rural populations. If a Forest’s market area has a large urban population, it can expect higher demand and for that demand to increase at higher rates than their rurally-situated counterparts. Also, the urban-rural character of the population is important to consider in recreation management because people’s outdoor

recreation activities differ accordingly. The figure above shows the distribution of the regional and market area population according to urban and rural status.

< If you marketed to urban or rural groups, which activities would you emphasize?

Favored Activities by Urban/Rural Strata (Source: Table III. 4f1-2)

Urban/Rural Strata	Favored Activities	Percent of Urban/Rural Group in Market Area
Urban	1. Swimming in streams, lakes, ponds, or the ocean 2. Visit waterside besides beach 3. View birds 4. Mountain biking 5. View or photograph fish	66.7
Rural	1. Big game hunting 2. Small game hunting 3. Drive off-road 4. Primitive camping 5. Gather mushrooms, berries, and other non-timber products	33.3

Step 4.6.b – Future Urban and Rural Distribution

How Will Urban/Rural Populations Change 2000 - 2020? (Source: Table II. 6e)

	Market Area		Region 8	
	Absolute change, 2000 to 2020	Percent change, 2000 to 2020	Absolute change, 2000 to 2020	Percent change, 2000 to 2020
Urban	2,225.6	28.0	18,276.6	28.3
Rural	599.7	15.1	2,870.4	11.8

< Over the next 50 years, all markets in the United States that contain urban areas are expected to significantly increase their rates of rural land conversion as suburbs sprawl out into rural lands. Between 1992 and 1997 in the United States, nearly 16 million acres of farm, forest and other open land was converted to developed uses. These developments tend to follow highway corridors radiating out from the nation’s urban areas. As more areas become urban in character, the activities urban people participate in are likely to experience increased demand.

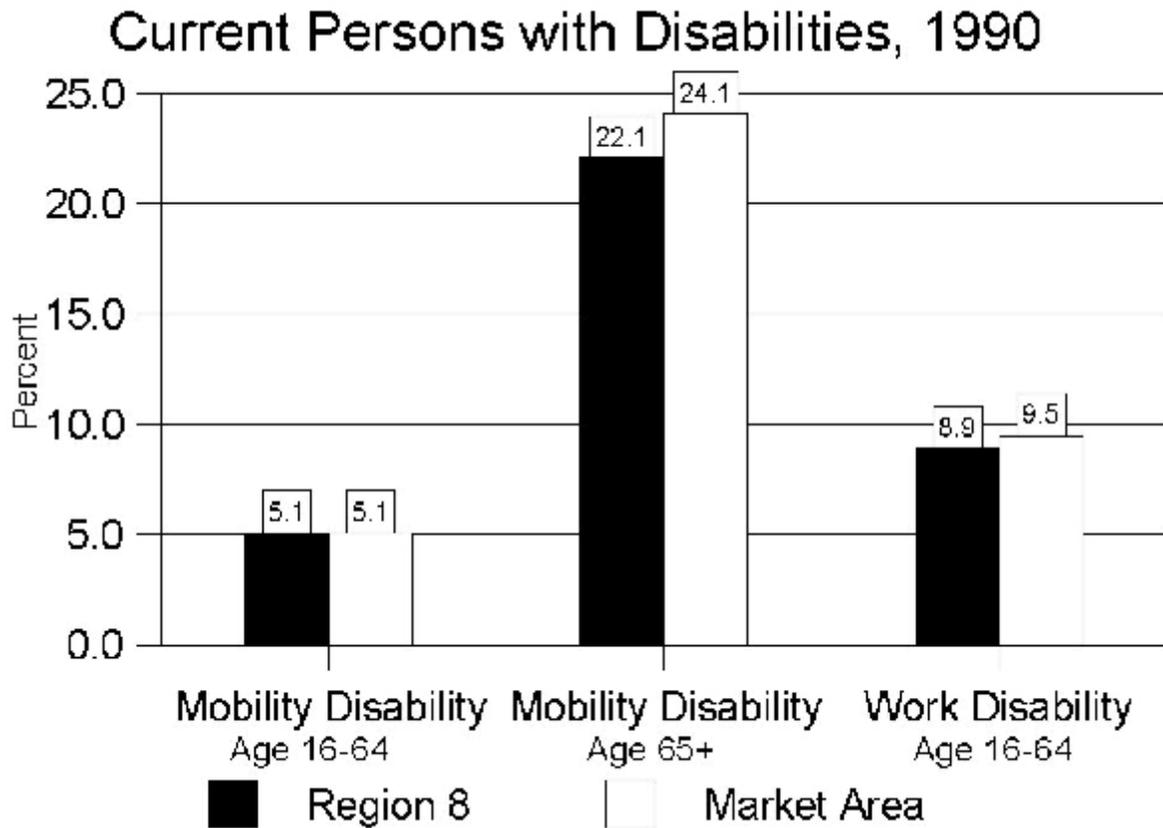
< The table above shows percent increases in each of the strata in the market area, 2000-2020.

- < Urban areas are the highest growth category in the market area.
- < Given the changing urban/rural character of the market area, which activities would you want to consider providing more of in the future?

Step 4.6.c – Favored Activities of Fastest Growing Urban and Rural Groups

High Growth Strata	Favored Activities
Highest growth group	<ol style="list-style-type: none"> 1. Swimming in streams, lakes, ponds, or the ocean 2. Visit waterside besides beach 3. View birds

Step 4.7 – Disability



(Source: Table II. 7)

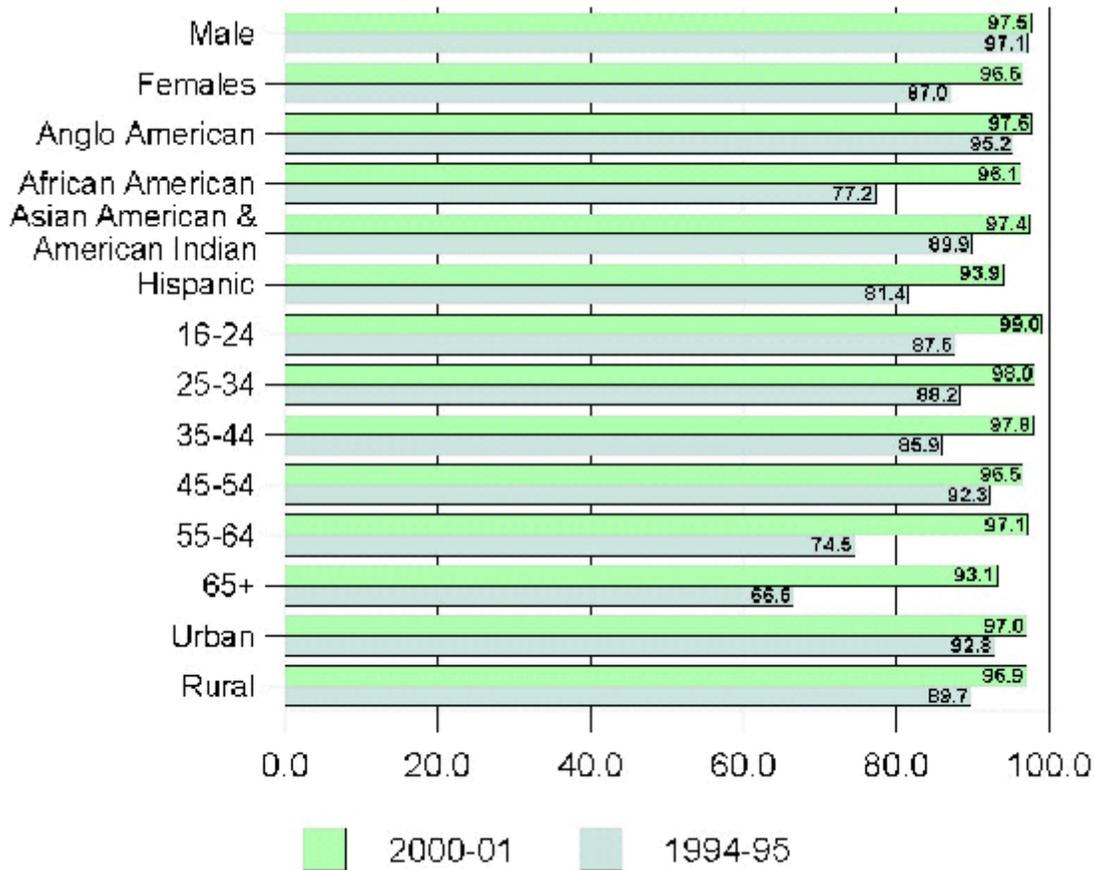
Step 4.7.a – Current Disability Distribution

- < As a percentage of the population, the disabled population varies little from market area to market area. However, the disabled population is important to consider in recreation management because people's outdoor recreation activities are highly defined by disability status. The figure above shows the distribution in the region and market area of residents by disability status.
- < If you managed to provide outdoor recreation settings for activities disproportionately enjoyed by disabled populations, which activities would you emphasize?

Favored Activities by Disability Strata (Source: Table III. 4g1-2)

Disability Strata	Favored Activities
Physical disability	<ol style="list-style-type: none">1. View birds2. View wildlife3. Swimming in streams, lakes, ponds, or the ocean
Other disability	<ol style="list-style-type: none">1. View birds2. Swimming in streams, lakes, ponds, or the ocean3. View wildlife

Step 4.8 – Recreation Participation Analysis by Demographic Strata



< In the preceding pages covering Step 4, we have overviewed the favored activities of demographic groups and emphasized those growing the fastest. Before summing occurrence scores of activities across demographic categories, one more factor will be considered as a part of Step 4. Participation by some demographic groups—such as women’s participation in activities—have been increasing over time faster than by other demographic groups. For example, women report participating in activities 9.5 percent more in 2001 than in 1995. Higher rates of participation mean more overall demand. This suggests increased emphasis should be placed on the activities of demographic groups demonstrating the greatest increases in participation.

- < The previous graph shows the increased participation 1995 -2001 for all demographic groups for the region as a whole.³ If you managed for the fastest growing groups in participation over time, what activities would you emphasize?
- < The greatest increases in participation between 1995 and 2001 across all demographic groups occurred among 65 +, 55-64, Hispanic American, African American and Female demographic groups.
- < Because of their increases in participation, if you market more to these groups, what would you emphasize?

High Growth Strata	Favored Activities
1 st) 65+	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife
2 nd) 55-64	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife
3 rd) Hispanic American	<ol style="list-style-type: none"> 1. Day hiking 2. Mountain biking 3. View or photograph wildflowers, trees, or other natural vegetation
4 th) African American	<ol style="list-style-type: none"> 1. Mountain biking 2. View or photograph wildflowers, trees, or other natural vegetation 3. View birds
5 th) Females	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife

³ Income data is not available for this variable because income strata in the 1995 and 2001 NSRE are non-comparable.

Step 5. – Summing Step 4 Activity Scores Across Demographic Strata

Activity Ranking: Summary of Scoring Weights across all Demographic Segments

- < Now we are ready to sum scores across all the activities in Step 4 - the demographic analyses - into one table. The table on the current page cumulates and rank orders the activities according to how many times they occurred in step 4 of the report. This is one indicator of their demand in the market area.
- < In your market area, the following activities were most favored across groups:

Type II Activities	Total	Rank
View or photograph wildflowers, trees, or other natural vegetation	13	18
View birds	13	18
Mountain biking	10	16
View wildlife	9	15
Backpacking	8	14
Drive off-road	7	13
Big game hunting	7	13
Small game hunting	6	11
Developed camping	5	10
Primitive camping	5	10
Swimming in streams, lakes, ponds, or the ocean	4	8
Day hiking	4	8
View or photograph fish	4	8
Horseback riding on trails	3	5
Visit waterside besides beach	3	5
Visit a wilderness or other primitive, roadless area	2	3
Warmwater fishing	2	3
Gather mushrooms, berries, and other non-timber products	2	3

Step 6. – Summing Activity Over 3 Dimensions of Demand

- < In this report, we now have considered three dimensions of demand. In Step 2, we identified the most popular activities (overall demand) in the market area. In Step 3, we identified the fastest growing activities in the region. In Step 4, we identified activities according to their being favored across demographic strata. Here, we compare results in across steps. The most popular activities in each step receive a rank of 19, the second most popular receive a rank of 18, down to 1 for least popular. Summing across ranks provides a single indicator of demand for activities in the market area

- < This analysis reveals that in your market area viewing wildlife, viewing birds, and viewing or photographing wildflowers, trees, or other natural vegetation are the activities most in demand -
- across 3 dimensions of demand.

Step 6. – Summing Activity Scores Over 3 Dimensions of Demand (Steps 2-4)

Type II Activities	Step 2 Score from Ranking Most Popular Activities in the Market Area (Source: table III 3d) ¹	Step 3 Score from Ranking by Rate of Growth in the Region (Source: Table III 3e)	Step 4 Score based on Cumulative Sum across Demographics Strata in the Market Area ³	Step 5 Total Score ⁴
View wildlife	17	17	15	49
View birds	15	15	18	48
View or photograph wildflowers, trees, or other natural vegetation	18	9.5	18	45.5
Day hiking	13	16	8	37
View or photograph fish	9	18	8	35
Drive off-road	7	14	13	34
Mountain biking	6	9.5	16	31.5
Backpacking	4	12	14	30
Swimming in streams, lakes, ponds, or the ocean	16	5	8	29
Visit a wilderness or other primitive, roadless area	14	9.5	5	28.5
Small game hunting	3	13	11	27
Gather mushrooms, berries, and other non-timber products	12	9.5	3	24.5
Visit waterside besides beach	11	9.5	3	22.5
Developed camping	8	2	10	20
Warmwater fishing	10	6	3	19
Primitive camping	5	3	10	18
Big game hunting	2	1	13	16
Horseback riding on trails	1	4	5	10

¹ Most popular activities in the market area receive highest score, down to 1 for least popular of Type II activities (i.e., highest score = n, where n = number of activities)

² Fastest growing activities in the region receive highest score where growth rate in percent growth since 1995.

³ Highest cumulative scores (Type II activities) across demographics receive highest score.

⁴ Sum of scores across columns.

Step 7. – Identifying Niche Activities

- < What if your NF has niche markets that you want to emphasize because of unique, high quality resources, e.g., whitewater experiences, wilderness experiences. We have designed an exercise to help you learn more about who the niche users for special recreation (i.e., rockclimbing or ORV use) are in your market area.

Exercise

- < Turn to Appendix III, Tables 5-41 in your report. Identify the top 3 activities that you want to emphasize, that you know to be special attractions on your forest by reviewing the list of activities provided. Record the names of up to 3 niche activities below.

My Forest's Special Niche Activities

Niche Activities

Step 8. – Equity Analysis

For each niche activity you identified from Step 7 AND for the top three activities identified in Step 6 as being in highest demand, fill in the following worksheet. When completed this worksheet will identify who will be disproportionately served or not served if you manage for activities identified in Steps 6 and 7. The exercise is basically a Civil Rights analysis.

- < Directions: To fill in the worksheet on the next page, follow the step-by-step directions that follow:
- a. Write in the top 3 activities identified in Step 6 and the top 3 niche activities from Step 7 (6 activities in total).
 - b. Next, for each activity, record in the following table the ratio values found in Tables 5-41 in Appendix III (Note: there is a separate table for each activity). These values are found in column 4 (Ratio (1)/(2)).
 - c. Then record the number of ratio values equal to or less than 0.9 for each demographic strata in the third from last column of the table below.
 - d. Record the number of ratio values equal to or greater than 1.1 in the second from last column.
 - e. Finally, subtract the number of values $\#0.9$ from the number $\$1.1$ and record this difference in the last column. If difference is < 0 , under service is suspected.

Demographic Strata	Ratios for Type II and III Activities Selected						Potential Equity Scores		
	Activity #1 _____	Activity #2 _____	Activity #3 _____	Activity #4 _____	Activity#5 _____	Activity #6 _____	Number 0.9 or less	Number 1.1 or more	Number 0.9's minus number 1.1's
Male	-	-	-	-	-	-			
Female									
Anglo-American									
African-American									
Asian, Native American									
Hispanic									
15-25 years old									
25-35 years old									
35-50 years old									
50-65 years old									
65+ years old									
< \$15K									
\$15-24,999									
\$25-49,999									
\$50-74,999									
\$75-99,999									
\$100,000 >									
Urban									

Rural							
-------	--	--	--	--	--	--	--

Step 8.1 – Summarizing Your Equity Analysis

Your Equity Analysis shows that if you select to emphasize the following activities:
 (List top 3 activities from Step 6 and the top 3 from Step 7)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

A. You will be orienting your recreation program toward service for:
 (Record the names of the demographic strata with values in the last column of the Equity Analysis worksheet that are \$+1)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

B. You may disproportionately under-serve:
 (Record the names of the demographic strata in the Worksheet that are # -1)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

C. Now, considering the top 3 activities identified in both Steps 6 and 7 as being in greatest demand, and considering agency, federal and regional policy with respect to Civil Rights and service equity, list the activities below that you select to emphasize. Remember these are in addition to all the Type I, widely popular activities, that we recommend you provide whenever and wherever you can.

1. _____
2. _____

3. _____
4. _____
5. _____
6. _____

Step 9. – Other Suppliers of Outdoor Recreation in your Market Area

- a. The table below shows the other suppliers of outdoor recreation in your market area (based on available data). It describes the number of acres in your market area of a variety of public lands and private providers including National Park (NPS) acres, Army Core of Engineers (COE) acres, among others, as well as data from the American Business Listings (ABI) for numbers of private recreation businesses in the market area.
- b. Take time here to bring your local knowledge to bear on the local market area scene and its implications for your recreation realignment.
- c. In light of the activities you selected, review the supply by other providers and consider your own knowledge of the mix of private and public suppliers in your management area.
- d. Does other supply adequately meet demands for the activities you selected?
- e. Do local providers meet demand for some of the selected activities better than your Forest?
- f. Evaluate each selected activity and note by each one in the work space following this table your assessment of your Forest’s legitimate supply role.

Recreation Resource	Market Area		Region 8	
	Amount of resource	Amount per million population	Amount of resource	Amount per million population
NPS gross acres	768,123	64,350.8	5,411,892	60,809.1
COE Project total land and water acres	321,985	26,974.8	5,633,764	63,302.1
FWS refuge acres open for recreation	0	0	3,594,475	40,388.3
TVA recreation area acres	10,549	883.8	25,267	283.9
TVA undeveloped acres	130,336	10,919.1	414,876	4,661.6

Wild & Scenic River miles: Total 1992	133	11.1	446	5.0
NRI Total river miles, outstanding value	4,069	340.9	23,226	261.0
Recreation Resource	Market Area		Region 8	
	Amount of resource	Amount per million population	Amount of resource	Amount per million population
State Park areas	226,240	18,953.6	1,571,214	17,654.5
Woodalls number of public campgrounds	34	2.8	310	3.5
Woodalls number of public campground sites	3,166	265.2	25,853	290.5
Woodalls number of private campgrounds	267	22.4	1,852	20.8
Woodalls number of private campground sites	24,772	2,075.3	222,054	2,495.0
NRI acres private forest land	23,398,200	52.6	173,078,600	32.4
NPLOS acres leased to industry or groups	1,483,419	124,275.9	33,906,753	380,983.3
NPLOS acres open to general public	2,683,426	224,808.6	30,262,101	340,031.3
ABI number of hunting and fishing preserves	15	1.3	192	2.2
ABI number of fish camps	2	0.2	202	2.3
ABI number of organized camps	297	24.9	1,722	19.3
ABI number of private fishing lakes	3	0.3	24	0.3
ABI number of boat rental firms	62	5.2	2,054	23.1
ABI number of canoe trip outfitters	1	0.1	19	0.2

ABI number of canoe rental firms	12	1.0	73	0.8
ABI number of public fishing lakes	34	2.8	95	1.1
Recreation Resource	Market Area		Region 8	
	Amount of resource	Amount per million population	Amount of resource	Amount per million population
ABI number of guide services	13	1.1	361	4.1
ABI number of sightseeing tours	55	4.6	603	6.8
ABI number of fishing lakes and ponds	7	0.6	76	0.9
ABI number of raft trip firms	19	1.6	29	0.3

Observations concerning how the availability of other providers affect each selected activity.

Activity (list activities from Steps 6 and 7)	U	Comments evaluating whether my NF is best positioned to provide this activity.
1.		
2.		
3.		
4.		
5.		
6.		

< Place a check (**U**) beside each activity you have decided to recommend to the Forest Supervisor

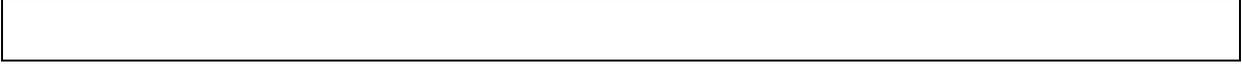
and District Rangers for management emphasis. Remember, all Type I activities are to be considered automatically selected.

Step 10. – Summary Observations, Concerns and Needed Follow-up

- < Take a few minutes to review the findings from the overall demand in Step 6, the niche market analysis in Step 7, your equity analysis in Step 8, and your evaluation of other providers in step 9. In a facilitated session, it is recommended you discuss with other workshop participants the following questions:
 - < What changes might be warranted in NFS recreation management in Region 8?
 - < Are some types of NFS areas underused or overused? How can under- and over-use be addressed in recreation realignment?
 - < Where is population growth and change coming from and what are the likely impacts on recreation programs on the Forest and in the Region?
 - < What are the most popular activities overall and what are the implications for recreation management on the Forest and in the Region?
 - < What are the disproportionately favored activities among subgroups of the population and what are the implications for recreation management?
 - < What are the niche activities or settings on the Forest, who is served by them, and what are the implications for recreation management?

- < Take some time to record your thoughts about what you learned in this workshop and what information might be useful in further realignment efforts and your recommendations to the Forest Supervisor and District Rangers.

Observations and Comments on Recreation Realignment Activities



Appendix I

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Market Area

2000	FIPS code	County name	Number of	Total	Total	Projected
			NSRE interviews	population 2000	population 2020	percent change, to 2020
	13223	Paulding, GA	6	73,394	127,458	73.7
	13219	Oconee, GA	1	25,610	43,412	69.5
	13117	Forsyth, GA	9	75,395	127,703	69.4
	13311	White, GA	5	18,410	30,738	67.0
	13057	Cherokee, GA	10	137,644	229,485	66.7
	13085	Dawson, GA	5	14,388	22,911	59.2
	13067	Cobb, GA	58	615,629	976,746	58.7
	13187	Lumpkin, GA	1	19,719	31,282	58.6
	47155	Sevier, TN	9	69,330	109,177	57.5
	13195	Madison, GA	3	27,210	42,616	56.6
	13291	Union, GA	10	16,773	26,169	56.0
	13135	Gwinnett, GA	59	527,416	809,106	53.4
	37119	Mecklenburg, NC	52	654,402	952,110	45.5
	45091	York, SC	19	161,738	232,897	44.0
	37189	Watauga, NC	14	44,558	63,886	43.4
	13047	Catoosa, GA	4	53,838	76,800	42.7
	13083	Dade, GA	5	15,723	21,878	39.1
	13227	Pickens, GA	2	18,626	25,585	37.4
	47035	Cumberland, TN	14	44,613	60,917	36.5
	13111	Fannin, GA	9	19,237	26,244	36.4
	47141	Putnam, TN	6	63,143	86,029	36.2
	13281	Towns, GA	5	8,286	11,268	36.0
	45077	Pickens, SC	10	112,356	152,119	35.4
	13213	Murray, GA	5	32,865	44,268	34.7
	13129	Gordon, GA	4	42,030	56,466	34.3
	13123	Gilmer, GA	10	17,382	23,213	33.5
	13157	Jackson, GA	4	36,927	49,082	32.9
	37169	Stokes, NC	4	44,366	58,903	32.8
	47145	Roane, TN	11	52,615	68,768	30.7
	45045	Greenville, SC	45	367,365	477,470	30.0
	37059	Davie, NC	6	31,966	41,403	29.5
	37067	Forsyth, NC	33	303,271	392,123	29.3
	37199	Yancey, NC	12	17,437	22,271	27.7
	1049	DeKalb, AL	12	61,457	78,290	27.4
	37099	Jackson, NC	6	31,089	39,373	26.6
	47115	Marion, TN	2	28,369	35,903	26.6
	37089	Henderson, NC	14	81,990	103,175	25.8
	47173	Union, TN	4	16,158	20,231	25.2
	37025	Cabarrus, NC	13	117,352	146,738	25.0
	47121	Meigs, TN	5	9,800	12,253	25.0
	47009	Blount, TN	14	103,357	129,043	24.9
	47105	Loudon, TN	5	38,284	47,827	24.9
	47143	Rhea, TN	5	28,586	35,591	24.5
	21195	Pike, KY	11	78,315	96,995	23.9
	47151	Scott, TN	5	20,719	25,439	22.8

37113	Macon, NC	7	27,737	33,971	22.5
21071	Floyd, KY	1	46,670	57,147	22.4

Source: NSRE is the National Survey on Recreation and the Environment, 2000-2001.

USDA Forest Service, Southern Research Station, Athens, GA.

2000 population estimate and 2020 population projection are from Woods & Poole Economics Inc., 1997.

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS
Market Area

Projected 2000	FIPS code	County name	Number of NSRE interviews	Total populati on		percent change, to 2020
				2000	2020	
	47129	Morgan, TN	5	19,339	23,661	22.3
	47153	Sequatchie, TN	3	10,209	12,436	21.8
	13013	Barrow, GA	6	37,718	45,889	21.7
	21051	Clay, KY	13	25,778	31,372	21.7
	13015	Bartow, GA	5	67,356	81,932	21.6
	13011	Banks, GA	10	12,268	14,854	21.1
	47123	Monroe, TN	9	34,640	41,808	20.7
	13313	Whitfield, GA	10	82,206	99,030	20.5
	47025	Clai borne, TN	6	30,063	36,196	20.4
	47179	Washington, TN	19	103,687	124,860	20.4
	13139	Hall, GA	21	114,017	137,144	20.3
	37043	Clay, NC	3	8,265	9,938	20.2
	13241	Rabun, GA	10	13,415	16,110	20.1
	47007	Bledsoe, TN	2	10,693	12,821	19.9
	13089	De Kalb, GA	60	611,260	727,875	19.1
	51185	Tazewell, VA	13	49,424	58,698	18.8
	45073	Oconee, SC	13	64,567	76,519	18.5
	37035	Catawba, NC	12	132,426	156,747	18.4
	47049	Fentress, TN	9	16,300	19,291	18.3
	51121	Montgomery, VA	13	96,216	113,354	17.8
	51167	Russell, VA	4	30,594	35,996	17.7
	37021	Buncombe, NC	18	198,068	232,799	17.5
	13119	Franklin, GA	12	18,480	21,659	17.2
	37175	Transylvani a, NC	5	28,533	33,411	17.1
	37039	Cherokee, NC	6	22,581	26,418	17.0
	13137	Habersham, GA	1	31,473	36,775	16.8
	37009	Ashe, NC	7	24,382	28,452	16.7
	13257	Stephens, GA	10	26,040	30,288	16.3
	13059	Clarke, GA	11	94,027	109,254	16.2
	37087	Haywood, NC	7	51,750	59,965	15.9
	37075	Graham, NC	4	7,921	9,161	15.7
	37193	Wilkes, NC	7	63,350	73,280	15.7
	51197	Wythe, VA	1	27,402	31,653	15.5
	37011	Avery, NC	8	15,933	18,377	15.3
	37109	Lincoln, NC	7	58,209	67,126	15.3
	47073	Hawkins, TN	6	49,597	57,116	15.2
	21121	Knox, KY	5	32,574	37,458	15.0

47093	Knox, TN	58	375,304	431,212	14.9
37097	Iredell, NC	15	107,255	123,069	14.7
47029	Cocke, TN	6	32,290	37,022	14.7
1071	Jackson, AL	5	52,000	59,536	14.5
47001	Anderson, TN	15	74,251	84,705	14.1
47089	Jefferson, TN	7	40,262	45,910	14.0
47011	Bradley, TN	8	81,525	92,571	13.5
47057	Grainger, TN	10	19,320	21,920	13.5
13221	Oglethorpe, GA	4	11,268	12,772	13.3
47063	Hamblen, TN	11	54,485	61,382	12.7

Source: NSRE is the National Survey on Recreation and the Environment, 2000-2001.

USDA Forest Service, Southern Research Station, Athens, GA.

2000 population estimate and 2020 population projection are from Woods & Poole Economics Inc., 1997.

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS
Market Area

2000	FIPS		Number of	Total	Total	Projected
	code	County name	NSRE interviews	population 2000	population 2020	percent change, to 2020
	47065	Hamilton, TN	39	302,641	339,252	12.1
	37027	Caldwell, NC	7	76,327	85,505	12.0
	37111	McDowell, NC	7	38,618	43,219	11.9
	13055	Chattooga, GA	9	24,700	27,581	11.7
	45007	Anderson, SC	25	158,896	177,027	11.4
	37003	Alexander, NC	4	30,743	34,218	11.3
	45021	Cherokee, SC	7	48,515	54,012	11.3
	37023	Burke, NC	9	82,084	91,158	11.1
	45083	Spartanburg, SC	29	246,917	273,991	11.0
	37159	Rowan, NC	13	122,409	135,726	10.9
	13121	Fulton, GA	44	719,813	797,230	10.8
	45047	Greenwood, SC	14	63,581	70,280	10.5
	47091	Johnson, TN	12	16,784	18,500	10.2
	21133	Letcher, KY	2	27,633	30,417	10.1
	51021	Bland, VA	5	6,961	7,661	10.1
	13115	Floyd, GA	11	86,101	94,729	10.0
	21193	Perry, KY	6	32,076	35,298	10.0
	47013	Campbell, TN	7	37,993	41,796	10.0
	45059	Laurens, SC	6	62,288	68,465	9.9
	37197	Yadkin, NC	4	33,717	36,953	9.6
	1019	Cherokee, AL	0	21,552	23,606	9.5
	37161	Rutherford, NC	10	60,570	66,350	9.5
	37071	Gaston, NC	18	185,486	202,480	9.2
	37171	Surry, NC	12	66,617	72,732	9.2
	37057	Davidson, NC	16	138,348	150,717	8.9
	51141	Patrick, VA	9	18,132	19,741	8.9
	37045	Cleveland, NC	17	91,673	99,750	8.8
	37173	Swain, NC	10	12,073	13,134	8.8
	13147	Hart, GA	6	21,245	22,938	8.0
	47019	Carter, TN	8	53,767	57,796	7.5
	47031	Coffee, TN	8	44,370	47,543	7.2
	37115	Madison, NC	2	18,191	19,276	6.0
	51195	Wise, VA	10	44,903	47,574	5.9
	13105	Elbert, GA	0	19,430	20,537	5.7
	54081	Raleigh, WV	14	79,656	83,985	5.4
	37121	Mitchell, NC	10	14,885	15,625	5.0
	51051	Dickenson, VA	12	17,803	18,697	5.0
	47177	Warren, TN	5	35,563	37,212	4.6
	21119	Knott, KY	18	18,619	19,451	4.5
	51191	Washington, VA	9	66,975	70,008	4.5
	47051	Franklin, TN	7	36,734	38,359	4.4
	45001	Abbeville, SC	5	24,511	25,567	4.3
	47163	Sullivan, TN	23	150,239	156,616	4.2
	21131	Leslie, KY	2	13,754	14,320	4.1
	37149	Polk, NC	17	15,960	16,618	4.1
	21235	Whitley, KY	4	35,560	36,972	4.0

47139	Polk, TN	5	14,394	14,971	4.0
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Source: NSRE is the National Survey on Recreation and the Environment, 2000-2001.
USDA Forest Service, Southern Research Station, Athens, GA.

2000 population estimate and 2020 population projection are from Woods & Poole Economics
Inc., 1997.

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS
Market Area

FIPS code	County name	Number of NSRE interviews	Total population 2000	Total population 2020	Projected percent change, 2000 to 2020
47059	Greene, TN	11	58,635	60,935	3.9
47107	McMinn, TN	7	45,328	46,934	3.5
51063	Floyd, VA	5	12,759	13,200	3.5
51173	Smyth, VA	8	33,512	34,673	3.5
51105	Lee, VA	16	24,606	25,449	3.4
51169	Scott, VA	4	23,376	24,178	3.4
13295	Walker, GA	7	61,041	62,959	3.1
47171	Unicoi, TN	0	16,926	17,375	2.7
51035	Carroll, VA	7	34,435	35,272	2.4
21013	Bell, KY	9	30,648	31,343	2.3
47185	White, TN	1	21,356	21,809	2.1
47061	Grundy, TN	1	13,719	13,986	1.9
47067	Hancock, TN	3	6,878	6,999	1.8
51155	Pulaski, VA	7	34,527	35,120	1.7
54055	Mercer, WV	31	65,119	66,191	1.6
37005	Alleghany, NC	2	9,921	10,056	1.4
54109	Wyoming, WV	9	28,283	28,680	1.4
21095	Harlan, KY	9	36,291	36,613	0.9
54059	Mingo, WV	6	33,678	33,897	0.7
13233	Polk, GA	3	34,815	35,019	0.6
47175	Van Buren, TN	2	5,084	5,114	0.6
51071	Giles, VA	13	16,365	16,439	0.5
51027	Buchanan, VA	16	30,428	30,531	0.3
45087	Union, SC	14	30,812	30,849	0.1
47133	Overton, TN	7	18,211	18,065	-0.8
51077	Grayson, VA	12	16,237	15,700	-3.3
54047	McDowell, WV	5	31,430	26,591	-15.4
		=====	=====	=====	
		1,786	11,936,493	14,761,871	

Source: NSRE is the National Survey on Recreation and the Environment, 2000-2001.

USDA Forest Service, Southern Research Station, Athens, GA.

2000 population estimate and 2020 population projection are from Woods & Poole Economics Inc., 1997.

Appendix II

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 1--Population and percent change in the market area, state, and region: 1990, 2000, and 2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS			
Statistic	Market Area	State	Region 8
1990 population (1,000s)	10,386.8	11,547.3	77,867.8
2000 population (1,000s)	11,936.5	13,168.8	88,998.0
2020 population (1,000s)	14,761.9	16,064.5	110,145.0
Percent change, 1990-2000	14.9	14.0	14.3
Percent change, 2000-2020	23.7	22.0	23.8

Source: Woods & Poole Economics Inc., 1997.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 2a--Age distribution in market area, state, and R-8, 1990

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 populati on Age Group 1990	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	populati on 1990	% populati on 1990	populati on 1990	% populati on 1990	populati on 1990
Age 15-24 15.1	1,594.1	15.3	1,792.6	15.5	11,730.7
Age 25-34 17.1	1,766.8	17.0	1,955.0	16.9	13,294.3
Age 35-44 14.9	1,632.7	15.7	1,760.7	15.2	11,574.2
Age 45-54 10.1	1,139.5	11.0	1,224.5	10.6	7,851.9
Age 55-64 8.5	905.0	8.7	1,019.5	8.8	6,596.5
Age 65 & older 12.6	1,239.5	11.9	1,424.4	12.3	9,785.1
=====	=====	=====	=====	=====	=====
78.3	8,277.6	79.6	9,176.7	79.3	60,832.7

Source: Woods & Poole Economics Inc. , 1997.

Percentages do not sum to 100 because ages 14 and under not included.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 2b--Current age distribution in market area, state, and R-8, 2000

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 populati on Age Group 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	populati on 2000	% populati on 2000	populati on 2000	% populati on 2000	populati on 2000
Age 15-24 14.2	1,710.0	14.3	1,910.0	14.5	12,671.7
Age 25-34 13.5	1,624.8	13.6	1,763.8	13.4	11,976.4
Age 35-44 16.0	1,976.8	16.6	2,137.0	16.2	14,224.4
Age 45-54 13.4	1,725.1	14.5	1,844.1	14.0	11,920.4
Age 55-64 8.8	1,096.3	9.2	1,222.1	9.3	7,861.4
Age 65 & older 12.6	1,438.5	12.1	1,659.4	12.6	11,256.2
=====	=====	=====	=====	=====	=====
78.5	9,571.5	80.3	10,536.4	80.0	69,910.5

Source: Woods & Poole Economics Inc. , 1997.

Percentages do not sum to 100 because ages 14 and under not included.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 2c--Projected future age distribution in market area, state, and R-8, 2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 populati on Age Group 2020	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	populati on 2020	% populati on 2020	populati on 2020	% populati on 2020	populati on 2020
Age 15-24 13.2	1,894.3	12.8	2,104.9	13.1	14,537.3
Age 25-34 13.1	1,915.4	13.0	2,019.3	12.6	14,437.1
Age 35-44 12.3	1,906.6	12.9	2,000.0	12.4	13,516.1
Age 45-54 11.6	1,798.1	12.2	1,922.1	12.0	12,746.4
Age 55-64 12.9	1,968.9	13.3	2,173.2	13.5	14,200.7
Age 65 & older 16.9	2,502.9	17.0	2,817.1	17.5	18,619.7
=====	=====	=====	=====	=====	=====
80.0	11,986.2	81.2	13,036.6	81.1	88,057.3

Source: Woods & Poole Economics Inc. , 1997.

Percentages do not sum to 100 because ages 14 and under not included.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 2d--Absolute and percent change in population by age groups
in market area, state, and region-wide, 1990-2000

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

Pct. change, REGION 8 Age Group 1990 to 2000	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA 1990 to 2000	MARKET AREA 1990 to 2000	STATE 1990 to 2000	STATE 1990 to 2000	REGION 8 1990 to 2000
Age 15-24 8.0	115.9	7.3	117.4	6.5	941.0
Age 25-34 -9.9	-142.0	-8.0	-191.2	-9.8	-1,317.9
Age 35-44 22.9	344.1	21.1	376.3	21.4	2,650.2
Age 45-54 51.8	585.6	51.4	619.6	50.6	4,068.5
Age 55-64 19.2	191.3	21.1	202.6	19.9	1,264.9
Age 65 & older 15.0	199.0	16.1	235.0	16.5	1,471.1

Source: Woods & Poole Economics Inc., 1997.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 2e--Projected absolute and percent change in population by age groups
in market area, state, and region-wide, 2000-2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

Pct. change, REGION 8 Age Group 2000 to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	2000 to 2020				
Age 15-24 14.7	184.3	10.8	194.9	10.2	1,865.6
Age 25-34 20.5	290.6	17.9	255.5	14.5	2,460.7
Age 35-44 -5.0	-70.2	-3.5	-137.0	-6.4	-708.3
Age 45-54 6.9	73.0	4.2	78.0	4.2	826.0
Age 55-64 80.6	872.6	79.6	951.1	77.8	6,339.3
Age 65 & older 65.4	1,064.4	74.0	1,157.7	69.8	7,363.5

Source: Woods & Poole Economics Inc., 1997.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 3a--Household size distribution in market area, state, and R-8, 1990

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Number of households in 1000s.)

REGION 8	MARKET AREA		STATE		REGION 8	
	# households	% households	# households	% households	# households	%
households						
Household size	1990	1990	1990	1990	1990	
1990						
1 person households	908.8	23.1	1,032.5	23.6	6,861.2	
23.7						
2 person households	1,307.1	33.3	1,454.6	33.3	9,422.9	
32.6						
3 person households	771.8	19.6	847.5	19.4	5,225.3	
18.1						
4 person households	613.4	15.6	666.9	15.3	4,381.1	
15.2						
5+ person households	330.0	8.4	369.0	8.4	3,011.3	
10.4						
	=====	=====	=====	=====	=====	
	3,931.1	100.0	4,370.5	100.0	28,901.8	
100.0						

Source: CensusDC+Map, Geolytics, Inc., 1999.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 3b--Household size distribution in market area, state, and R-8, 1998

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Number of households in 1000s.)

REGION 8	MARKET AREA		STATE		REGION 8	
	# households	% households	# households	% households	# households	%
households						
Household size	1998	1998	1998	1998	1998	
1998						
1 person households	1,075.8	23.8	1,204.4	24.4	7,974.0	
24.4						
2 person households	1,534.6	34.0	1,681.5	34.1	10,902.9	
33.4						
3 person households	850.5	18.8	915.6	18.6	5,689.2	
17.4						
4 person households	704.6	15.6	749.6	15.2	4,977.5	
15.2						
5+ person households	349.6	7.7	380.2	7.7	3,138.4	
9.6						
	=====	=====	=====	=====	=====	
	4,515.1	99.9	4,931.3	100.0	32,682.0	
100.0						

Source: CensusDC+Map, Geolytics, Inc., 1999.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 3c--Projected future household size distribution in market area, state, and R-8, 2003

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS						
(Number of households in 1000s.)						
REGION 8	MARKET AREA		STATE		REGION 8	
	# households	% households	# households	% households	# households	%
households	2003	2003	2003	2003	2003	
Household size						
2003						
1 person households	1,233.2	24.8	1,371.9	25.5	8,935.5	
25.3						
2 person households	1,721.5	34.6	1,873.2	34.8	11,983.4	
34.0						
3 person households	892.4	18.0	953.1	17.7	5,863.4	
16.6						
4 person households	751.9	15.1	792.5	14.7	5,218.9	
14.8						
5+ person households	370.3	7.5	398.5	7.4	3,272.4	
9.3						
	=====	=====	=====	=====	=====	
	4,969.3	100.0	5,389.2	100.1	35,273.6	
100.0						

Source: CensusDC+Map, Geolytics, Inc., 1999.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 3d--Absolute and percent change in number of households by size category in market area, state, and region-wide, 1990-1998

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

change, REGION 8 Household size to 1998	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	1990 to 1998	1990				
1 person households 16.2	167.0	18.4	171.9	16.6	1,112.8	
2 person households 15.7	227.5	17.4	226.9	15.6	1,480.0	
3 person households 8.9	78.7	10.2	68.1	8.0	463.9	
4 person households 13.6	91.2	14.9	82.7	12.4	596.4	
5+ person households 4.2	19.6	5.9	11.2	3.0	127.1	

Source: CensusDC+Map, Geolytics, Inc., 1999.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 3e--Projected absolute and percent change in number of households by size category

in market area, state, and region-wide, 1998-2003

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

change, REGION 8 Household size to 2003	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA 1998 to 2003	MARKET AREA 1998 to 2003	STATE 1998 to 2003	STATE 1998 to 2003	REGION 8 1998 to 2003	1998
1 person households 12.1	157.4	14.6	167.5	13.9	961.5	
2 person households 9.9	186.9	12.2	191.7	11.4	1,080.5	
3 person households 3.1	41.9	4.9	37.5	4.1	174.2	
4 person households 4.8	47.3	6.7	42.9	5.7	241.4	
5+ person households 4.3	20.7	5.9	18.3	4.8	134.0	

Source: CensusDC+Map, Geolytics, Inc., 1999.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4a--Population distribution by race/ethnicity in market area, state, and R-8, 1990

(Hispanics included, can be of any race.)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 populati on Race/ethni ci ty 1990	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	populati on 1990	% populati on 1990	populati on 1990	% populati on 1990	populati on % 1990
White populati on 79. 8	8, 794. 2	84. 7	9, 117. 8	79. 0	62, 118. 5
Black populati on 18. 2	1, 472. 3	14. 2	2, 252. 0	19. 5	14, 200. 0
Other populati on 2. 0	120. 3	1. 2	177. 6	1. 5	1, 549. 2
=====	=====	=====	=====	=====	=====
100. 0	10, 386. 8	100. 1	11, 547. 4	100. 0	77, 867. 7

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

OTHER population includes Asians, Pacific Islanders and American Indians.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4b--Population distribution by race/ethnicity in market area, state, and R-8, 1990

(Hispanics ONLY, can be of any race.)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8	MARKET AREA		STATE		REGION 8	
	population	% population	population	% population	population	%
Race/ethnicity	1990	1990	1990	1990	1990	
Hispanic population	107.1	1	109.9	1	6,611.9	
8.5						

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4c--Population distribution by race/ethnicity in market area, state, and R-8, 2000

(Hispanics included, can be of any race.)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 populati on Race/ethni city 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% populati on	population	% populati on	population %
	2000	2000	2000	2000	2000
White populati on 78.7	9,946.3	83.3	10,276.2	78.0	70,074.9
Black populati on 18.7	1,804.9	15.1	2,655.9	20.2	16,682.8
Other populati on 2.5	185.3	1.6	236.7	1.8	2,240.2
=====	=====	=====	=====	=====	=====
99.9	11,936.5	100.0	13,168.8	100.0	88,997.9

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

OTHER population includes Asians, Pacific Islanders and American Indians.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4d--Population distribution by race/ethnicity in market area, state, and R-8, 2000

(Hispanics ONLY, can be of any race.)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 population Race/ethnicity 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
	2000	2000	2000	2000	2000
Hispanic population	279.7	2.3	255.5	1.9	9,890.5

11.1

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4e--Population distribution by race/ethnicity in market area, state, and R-8, 2020

(Hispanics included, can be of any race.)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 populati on Race/ethni ci ty 2020	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	populati on 2020	% populati on 2020	populati on 2020	% populati on 2020	populati on 2020
White populati on 76. 8	11, 920. 3	80. 8	12, 303. 0	76. 6	84, 620. 4
Black populati on 19. 5	2, 424. 0	16. 4	3, 394. 6	21. 1	21, 508. 1
Other populati on 3. 6	417. 5	2. 8	366. 9	2. 3	4, 016. 5
=====	=====	=====	=====	=====	=====
99. 9	14, 761. 8	100. 0	16, 064. 5	100. 0	110, 145. 0

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

OTHER population includes Asians, Pacific Islanders and American Indians.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4f--Population distribution by race/ethnicity in market area, state, and R-8, 2020

(Hispanics ONLY, can be of any race.)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
Race/ethnicity	2020	2020	2020	2020	2020
Hispanic population	676.3	4.6	621.4	3.9	17,822.4
16.2					

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4g--Absolute and percent change in population by race/ethnicity
in market area, state, and region-wide, 1990-2000

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

change, REGION 8 Race/ethnicity to 2000	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA 1990 to 2000	MARKET AREA 1990 to 2000	STATE 1990 to 2000	STATE 1990 to 2000	REGION 8 1990 to 2000	1990
White population 12.8	1,152.1	13.1	1,158.4	12.7	7,956.4	
Black population 17.5	332.6	22.6	403.9	17.9	2,482.8	
Other population 44.6	65.0	54.0	59.1	33.3	691.0	
Hispanic population 49.6	172.6	161.1	145.6	132.6	3,278.6	

Source: Woods & Poole Economics Inc. , 1997.

OTHER population includes Asians, Pacific Islanders and American Indians.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 4h--Projected absolute and percent change in population by race/ethnicity in market area, state, and region-wide, 2000-2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

change, REGION 8 Race/ethnicity to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA 2000 to 2020	MARKET AREA 2000 to 2020	STATE 2000 to 2020	STATE 2000 to 2020	REGION 8 2000 to 2020	2000
White population	1,974.0	19.8	2,026.8	19.7	14,545.5	
20.8 Black population	619.1	34.3	738.7	27.8	4,825.3	
28.9 Other population	232.2	125.4	130.2	55.0	1,776.3	
79.3 Hispanic population	396.6	141.8	365.9	143.2	7,931.9	
80.2						

Source: Woods & Poole Economics Inc., 1997.

OTHER population includes Asians, Pacific Islanders and American Indians.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 5a--Household income distribution (1990 \$) in market area, state, and R-8, 1990

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 Income households category 1990	MARKET AREA		STATE		REGION 8	
	# households	% households	# households	% households	# households	%
	1990	1990	1990	1990	1990	
\$<20k	1,483.3	37.4	1,695.8	38.6	11,080.2	
38.2						
\$20-29.999k	705.1	17.8	807.0	18.4	5,163.7	
17.8						
\$30-39.999k	581.5	14.7	652.8	14.9	4,133.7	
14.2						
\$40-49.999k	413.2	10.4	452.1	10.3	2,945.7	
10.2						
\$50-74.999k	507.0	12.8	525.7	12.0	3,644.6	
12.6						
\$75-99.999k	151.6	3.8	142.5	3.2	1,111.0	
3.8						
\$100+k	125.5	3.2	115.1	2.6	938.0	
3.2						
	=====	=====	=====	=====	=====	
	3,967.2	100.1	4,391.0	100.0	29,016.9	
100.0						

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 5b--Household income distribution (1990 \$) in market area, state, and R-8, 2000

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS						
(Population in 1000s.)						
REGION 8 Income households category 2000	MARKET AREA		STATE		REGION 8	
	# households	% population	# households	% households	# households	%
	2000	2000	2000	2000	2000	
\$<20k	1,338.9	29.0	1,515.9	30.0	10,022.4	
30.0						
\$20-29.999k	727.9	15.7	816.4	16.1	5,356.1	
16.0						
\$30-39.999k	763.8	16.5	887.0	17.5	5,477.9	
16.4						
\$40-49.999k	596.9	12.9	667.5	13.2	4,236.5	
12.7						
\$50-74.999k	772.0	16.7	783.2	15.5	5,339.0	
16.0						
\$75-99.999k	233.2	5.0	213.9	4.2	1,642.7	
4.9						
\$100+k	189.8	4.1	172.2	3.4	1,379.3	
4.1						
	=====	=====	=====	=====	=====	
	4,622.5	99.9	5,056.1	99.9	33,453.9	
100.1						

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 5c--Projected future household income distribution (1990 \$) in market area, state, and R-8, 2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 Income households category 2020	MARKET AREA		STATE		REGION 8	
	# households	% population	# households	% households	# households	%
	2020	2020	2020	2020	2020	
\$<20k 17.4	975.1	16.9	1,087.3	17.5	7,233.6	
\$20-29.999k 9.8	560.5	9.7	603.1	9.7	4,077.9	
\$30-39.999k 13.7	807.1	14.0	913.4	14.7	5,709.8	
\$40-49.999k 16.2	919.6	15.9	1,111.4	17.9	6,756.3	
\$50-74.999k 26.7	1,547.1	26.8	1,638.2	26.4	11,093.2	
\$75-99.999k 8.8	544.6	9.4	468.7	7.6	3,648.1	
\$100+k 7.4	428.8	7.4	374.3	6.0	3,060.0	
	=====	=====	=====	=====	=====	
	5,782.8	100.1	6,196.4	99.8	41,578.9	
100.0						

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 5d--Absolute and percent change in number of households by income category (1990
\$)

in market area, state, and region-wide, 1990-2000

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

change, Income REGION 8 category to 2000	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	1990
	1990 to 2000	1990				
\$<20k	-144.4	-9.7	-179.9	-10.6	-1,057.8	
-9.5						
\$20-29.999k	22.8	3.2	9.4	1.2	192.4	
3.7						
\$30-39.999k	182.3	31.3	234.2	35.9	1,344.2	
32.5						
\$40-49.999k	183.7	44.5	215.4	47.6	1,290.8	
43.8						
\$50-74.999k	265.0	52.3	257.5	49.0	1,694.4	
46.5						
\$75-99.999k	81.6	53.8	71.4	50.1	531.7	
47.9						
\$100+k	64.3	51.2	57.1	49.6	441.3	
47.0						

Source: Woods & Poole Economics Inc., 1997.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 5e--Projected absolute and percent change in number of households by income category
(1990 \$)

in market area, state, and region-wide, 2000-2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Absolute change in 1000s.)

change, Income REGION 8 category to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	2000 to 2020	2000				
\$<20k -27.8	-363.8	-27.2	-428.6	-28.3	-2,788.8	
\$20-29.999k -23.9	-167.4	-23.0	-213.3	-26.1	-1,278.2	
\$30-39.999k 4.2	43.3	5.7	26.4	3.0	231.9	
\$40-49.999k 59.5	322.7	54.0	443.9	66.5	2,519.8	
\$50-74.999k 107.8	775.1	100.4	855.0	109.2	5,754.2	
\$75-99.999k 122.1	311.4	133.6	254.8	119.1	2,005.4	
\$100+k 121.9	239.0	125.9	202.1	117.4	1,680.7	

Source: Woods & Poole Economics Inc., 1997.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 6a--Metropolitan population distribution in market area, state, and R-8, 1990

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 Metropolitan population status 1990	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
	1990	1990	1990	1990	1990
Metropolitan	6,752.7	65	7,718.8	66.8	55,312.3
Non-metropolitan	3,634.2	35	3,828.5	33.2	22,555.5
	=====	=====	=====	=====	=====
	10,386.9	100	11,547.3	100.0	77,867.8
100					

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 6b--Metropolitan population distribution in market area, state, and R-8, 2000

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8 Metropolitan population status 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
	2000	2000	2000	2000	2000
Metropolitan	7,957.1	66.7	8,959.4	68	64,613.4
72.6					
Non-metropolitan	3,979.4	33.3	4,209.5	32	24,384.6
27.4					
=====	=====	=====	=====	=====	=====
100.0	11,936.5	100.0	13,168.9	100	88,998.0

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 6c--Projected future metropolitan population distrib. in market area, state, and R-8, 2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
Metropolitan	population	% population	population	% population	population %
status	2020	2020	2020	2020	2020
2020					
Metropolitan	10,182.7	69	11,306.9	70.4	82,890.0
75.3					
Non-metropolitan	4,579.1	31	4,757.6	29.6	27,255.0
24.7					
=====	=====	=====	=====	=====	=====
=====	14,761.8	100	16,064.5	100.0	110,145.0
100.0					

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 6d--Absolute and percent change in population by metropolitan status in market area, state, and region-wide, 1990-2000

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
Pct. change,	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
Metropolitan	1990 to 2000				
REGION 8					
status					
1990 to 2000					
Metropolitan	1,204.4	17.8	1,240.6	16.1	9,301.1
16.8					
Non-metropolitan	345.2	9.5	381.0	10.0	1,829.1
8.1					

Source: Woods & Poole Economics Inc., 1997.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 6e--Projected absolute and percent change in population by metropolitan status in market area, state, and region-wide, 2000-2020

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Pct. change, Metropolitan REGION 8 status 2000 to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	2000 to 2020				
Metropolitan 28.3	2,225.6	28.0	2,347.5	26.2	18,276.6
Non-metropolitan 11.8	599.7	15.1	548.1	13.0	2,870.4

Source: Woods & Poole Economics Inc., 1997.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 7--Persons with disabilities by type of limitation in market area, state, and R-8, 1990

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Number of disabled in 1000s.)

		MARKET AREA		STATE		REGION 8
		# disabled	% pop.	# disabled	% pop.	# disabled
REGION 8	Disability	1990	1990	1990	1990	1990
% pop.						
1990						
	Mobility/self-care, age 16-64	349.4	5.1	369.8	5.0	2,478.9
5.1						
	Work disability, age 16-64	648.4	9.5	674.7	9.2	4,331.3
8.9						
	Mobility/self-care, age 65+	283.3	24.1	317.2	23.6	2,058.3
22.1						

Source: CensusDC+Map, Geolytics, Inc., 1999.

(Data on persons with disabilities available for 1990 only.)

Note: Percentages are proportion of persons within the age groups.

II: POPULATION AND DEMOGRAPHIC CHANGES IN THE MARKET AREA, STATE, AND REGION 8

Table 8--Population by gender in market area, state, and R-8, 1998

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

(Population in 1000s.)

REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
1998	1998	1998	1998	1998	1998
Gender					
Male population	5,650.2	48.3	6,242.4	48.2	42,115.0
Female population	6,053.1	51.7	6,715.0	51.8	44,779.1
=====	=====	=====	=====	=====	=====
100.0	11,703.3	100.0	12,957.4	100.0	86,894.1

Source: CensusDC+Map, Geolytics, Inc., 1999.

(Data on gender available for 1990 only.)

Percentages may not sum to 100 because of rounding.

Appendix III

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 1--Objectives for managing public lands for recreation, Market Area and Region 8 respondents

Percent who said important or very important (and sample size)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Management objective	Market area percent	Market area sample size	Region 8 percent	Region 8 sample size
Conserve & protect F&G (esp. water)	94.0	78	90.9	486
Inform public about recreation concerns	80.7	79	85.8	385
Preserve 'wilderness' experience on F&G	77.5	81	66.9	468
Introduce a recreation fee	74.4	51	60.4	321
Designate trails for specific rec. uses	67.1	73	50.0	385
Increase law enforcement efforts	66.9	56	69.1	347
Develop volunteer programs: maintenance	62.1	59	71.7	380
Designate more wilderness areas	60.1	53	57.2	376
Develop trail systems (nonmotorized rec)	55.6	79	55.2	391
Develop paved roads on F&G for access	33.3	68	26.2	386
Make easier to get permits for some uses	30.2	67	36.3	376
Expand commercial recreation on F&G	28.5	66	39.1	385
Develop trail systems (motorized rec.)	20.2	65	29.5	446
Expand access for motorized OHVs on F&G	18.2	62	21.2	382

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 2--Vision of National Forest land management, Market Area and Region 8 respondents

Percent who said important or very important (and sample size)

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Management objective	Market area percent	Market area sample size	Region 8 percent	Region 8 sample size
Protect streams & sources of clean water	97.1	255	93.6	1380
Maintain NFs for future generations' use	96.9	255	92.4	1380
Provide habitat for wildlife & fish	92.5	255	87.0	1380
Protect rare plant & animal species	86.3	255	85.0	1380
Use forest areas so they're left natural	82.5	255	85.1	1380
Emphasize planting & management of trees	82.3	255	77.4	1380
Provide access, facil. & services for OR	81.6	255	75.9	1380
Provide info & educ services re: forests	80.4	255	78.8	1380
Provide quiet, natural places	80.2	255	74.3	1380
Provide roads & serv. for local business	58.9	255	60.1	1380
Provide grazing permits to ranchers	46.2	255	51.6	1380
Provide raw materials/prod. for industry	44.8	255	48.9	1380

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 3a--Outdoor recreation activity participation in the Market Area and Region 8, 2001

		Percent and millions of participants			
		ALL ACTIVITY TYPES			
		MARKET AREA		REGION 8	
		Percent	MARKET AREA	Percent	#
REGION 8	Activity	participated	# particip.	2001	
Type	Activity	2001	2001	2001	
2001					
I	Walk for pleasure	84.1	7.73	81.0	
55.97					
I	Family gathering	76.0	6.99	72.3	
49.96					
I	View/photograph natural scenery	62.7	5.76	55.5	
38.35					
I	Sightseeing	58.5	5.38	51.4	
35.52					
I	Picnicking	57.9	5.32	49.1	
33.93					
I	Driving for pleasure	57.5	5.28	50.6	
34.96					
I	Visit nature centers, etc	57.0	5.24	53.1	
36.69					
II	View/photograph wildflowers, trees, etc.	47.2	4.34	42.4	
29.30					
II	View wildlife	46.9	4.31	42.5	
29.37					
I	Visit historic sites	46.6	4.28	43.1	
29.78					
II	Swimming in natural water	42.7	3.92	40.0	
27.64					
I	Boating	35.4	3.25	34.3	
23.70					
II	View birds	35.0	3.22	30.8	
21.28					
II	Visit a wilderness	34.7	3.19	29.5	
20.38					
II	Day hiking	33.7	3.10	26.2	
18.10					
II	Gather mushrooms, berries, etc.	31.1	2.86	26.9	
18.59					
I	Bicycling	30.9	2.84	34.2	
23.63					
II	Visit waterside besides beach	29.2	2.68	25.9	
17.90					
II	Warmwater fishing	28.9	2.66	28.5	
19.69					
I	Motorboating	27.1	2.49	25.2	

17.41				
II	View or photograph fish	23.7	2.18	25.5
17.62				
II	Developed camping	22.2	2.04	21.9
15.13				
II	Drive off-road	20.6	1.89	17.5
12.09				
III	Visit archeol. sites	19.9	1.83	19.7
13.61				
III	Coldwater fishing	17.8	1.64	10.1
6.98				
II	Mountain biking	17.7	1.63	16.2
11.19				
II	Primitive camping	16.1	1.48	13.3
9.19				
III	Rafting	11.2	1.03	8.9
6.15				
II	Backpacking	10.7	0.98	7.5
5.18				
III	Saltwater fishing	10.2	0.94	14.2
9.81				
III	Waterskiing	9.5	0.87	8.4
5.80				
II	Small game hunting	9.0	0.83	8.7
6.01				
II	Big game hunting	8.4	0.77	9.5
6.56				
II	Horseback riding on trails	7.9	0.73	8.2
5.67				
III	Canoeing	7.3	0.67	7.8
5.39				
III	Snorkeling or scuba diving	6.5	0.60	6.7
4.63				
III	Kayaking	2.1	0.19	2.0
1.38				
III	Migratory bird hunting	1.1	0.10	2.7
1.87				

Source: NSRE 2000-2001

Region 8 participation based on 2000 16+ pop. estimate of 69.1 million.

Market Area participation based on 2000 16+ pop. estimate of 77 percent of total Market Area population,

the percentage of 16+ population in Region 8. (See very first table for total Market Area population.)

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 3b--Outdoor recreation activity participation in the Market Area and Region 8,
2001

ACTIVITY TYPE I: Broadly popular activities--provide or facilitate whenever possible.

Percent and millions of participants

8 particip.	MARKET AREA			
	Percent	MARKET AREA	REGION 8	REGION
	participated	# particip.	Percent	#
Activity	2001	2001	2001	2001
Walk for pleasure	84.1	7.73	81.0	55.97
Family gathering	76.0	6.99	72.3	49.96
View/photograph natural scenery	62.7	5.76	55.5	38.35
Sightseeing	58.5	5.38	51.4	35.52
Picnicking	57.9	5.32	49.1	33.93
Driving for pleasure	57.5	5.28	50.6	34.96
Visit nature centers, etc	57.0	5.24	53.1	36.69
Visit historic sites	46.6	4.28	43.1	29.78
Boating	35.4	3.25	34.3	23.70
Bicycling	30.9	2.84	34.2	23.63
Motorboating	27.1	2.49	25.2	17.41

Source: NSRE 2000-2001

Region 8 participation based on 2000 16+ pop. estimate of 69.1 million.

Market Area participation based on 2000 16+ pop. estimate of 77 percent of total Market Area population,

the percentage of 16+ population in Region 8. (See first table for total Market Area population.)

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 3c--Market Area trends in outdoor recreation activity participation:
 Absolute and percent change in millions of participants, 1995 to 2001

ACTIVITY TYPE I: Broadly popular activities--provide or facilitate whenever possible.

Activity	Absolute change	Percent change
	1995 to 2001	in # participants 1995 to 2001
Bicycling	1.00	45.1
Visit nature centers, etc	1.70	39.4
Walk for pleasure	2.27	33.3
Family gathering	1.89	28.8
Picnicking	1.15	20.1
Visit historic sites	0.81	16.2
Boating	0.61	16.1
Sightseeing	0.58	5.4
Motorboating	0.22	3.4

Activities not appearing in trend tables were not comparable between 1995 and 2001.

Number of participants is based on proportion of 16+ population (77%) in Market Area for 1995 and 2000.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 3d--Outdoor recreation activity participation in the Market Area and Region 8, 2001

ACTIVITY TYPE II: Activities especially suited for National Forests. Provide most popular ones.

Percent and millions of participants

REGION 8 particip. Activity 2001	MARKET AREA Percent	MARKET AREA	REGION 8	#
	participated	# particip.	Percent	
	2001	2001	2001	
View/photograph wildflowers, trees, etc.	47.2	4.34	42.4	
29.30				
View wildlife	46.9	4.31	42.5	
29.37				
Swimming in natural water	42.7	3.92	40.0	
27.64				
View birds	35.0	3.22	30.8	
21.28				
Visit a wilderness	34.7	3.19	29.5	
20.38				
Day hiking	33.7	3.10	26.2	
18.10				
Gather mushrooms, berries, etc.	31.1	2.86	26.9	
18.59				
Visit waterside besides beach	29.2	2.68	25.9	
17.90				
Warmwater fishing	28.9	2.66	28.5	
19.69				
View or photograph fish	23.7	2.18	25.5	
17.62				
Developed camping	22.2	2.04	21.9	
15.13				
Drive off-road	20.6	1.89	17.5	
12.09				
Mountain biking	17.7	1.63	16.2	
11.19				
Primitive camping	16.1	1.48	13.3	
9.19				
Backpacking	10.7	0.98	7.5	
5.18				
Small game hunting	9.0	0.83	8.7	
6.01				
Big game hunting	8.4	0.77	9.5	
6.56				
Horseback riding on trails	7.9	0.73	8.2	
5.67				

Source: NSRE 2000-2001.

Region 8 participation based on 2000 16+ pop. estimate of 69.1 million.

Market Area participation based on 2000 16+ pop. estimate of 77 percent of total Market Area population,

the percentage of 16+ population in Region 8. (See first table for total Market Area population.)

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 3e--Market Area trends in outdoor recreation activity participation:
 Absolute and percent change in millions of participants, 1995 to 2001

ACTIVITY TYPE II: Activities especially suited for National Forests. Provide most popular ones.

Activity	Percent change	
	Absolute change 1995 to 2001	in # participants 1995 to 2001
View or photograph fish	1.19	107.9
View wildlife	1.97	73.1
Day hiking	1.13	47.8
View birds	1.07	41.1
Drive off-road	0.61	39.2
Small game hunting	0.22	28.6
Backpacking	0.23	23.0
Warmwater fishing	0.60	21.4
Swimming in natural water	0.83	19.6
Horseback riding on trails	0.15	17.9
Primitive camping	0.27	15.0
Developed camping	0.33	12.1
Big game hunting	0.11	10.5

Activities not appearing in trend tables were not comparable between 1995 and 2001.

Number of participants is based on proportion of 16+ population (77%) in Market Area for 1995 and 2000.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 3f--Outdoor recreation activity participation in the Market Area and Region 8, 2001

ACTIVITY TYPE III: Niche activities. Emphasize if your resources are unique and high quality.

Percent and millions of participants

Activity	MARKET AREA		REGION 8	
	Percent participated 2001	MARKET AREA # particip. 2001	Percent 2001	REGION 8 # particip. 2001
Visit archeol. sites	19.9	1.83	19.7	13.61
Coldwater fishing	17.8	1.64	10.1	6.98
Rafting	11.2	1.03	8.9	6.15
Saltwater fishing	10.2	0.94	14.2	9.81
Waterskiing	9.5	0.87	8.4	5.80
Canoeing	7.3	0.67	7.8	5.39
Snorkeling or scuba diving	6.5	0.60	6.7	4.63
Kayaking	2.1	0.19	2.0	1.38
Migratory bird hunting	1.1	0.10	2.7	1.87

Region 8 participation based on 2000 16+ pop. estimate of 69.1 million.

Market Area participation based on 2000 16+ pop. estimate of 77 percent of total Market Area population,

the percentage of 16+ population in Region 8. (See first table for total Market Area population.)

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 3g--Market Area trends in outdoor recreation activity participation:
Absolute and percent change in millions of participants, 1995 to 2001

ACTIVITY TYPE III: Niche activities. Emphasize if your resources are unique and high quality.

Activity	Absolute change 1995 to 2001	Percent change in # participants 1995 to 2001
Coldwater fishing	0.74	71.2
Canoeing	0.22	40.4
Visit archeol. sites	0.57	36.3
Kayaking	0.04	23.5
Saltwater fishing	0.15	12.1
Rafting	0.12	6.7
Snorkeling or scuba diving	0.04	0.0
Migratory bird hunting	0.00	0.0
Waterskiing	-0.11	-15.9

Activities not appearing in trend tables were not comparable between 1995 and 2001.

Number of participants is based on proportion of 16+ population (77%) in Market Area for 1995 and 2000.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4a.1--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= GENDER, Strata= MALE

Activity	Percent participating		
	Male	Total Market Area	Ratio of strata % to market area %
Small game hunting	17.1	9.0	1.90
Big game hunting	15.9	8.4	1.89
Drive off-road	29.5	20.6	1.43
Primitive camping	23.0	16.1	1.43
Backpacking	15.3	10.7	1.43
Warmwater fishing	39.3	28.9	1.36
Mountain biking	23.8	17.7	1.34
Visit a wilderness or other primitive area	43.1	34.7	1.24
Gather mushrooms, berries, etc.	37.0	31.2	1.19
Day hiking	39.1	33.7	1.16
Visit waterside besides beach	33.0	29.2	1.13
Horseback riding on trails	8.9	7.9	1.13
View or photograph fish	26.4	23.7	1.11
Swimming in natural water	46.1	42.7	1.08
Developed camping	24.0	22.2	1.08
View wildlife	47.2	46.9	1.01
View/photograph wildflowers, trees, etc.	41.3	47.2	0.88
View birds	30.3	35.0	0.87

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4a.2--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= GENDER, Strata= FEMALE

Activity	Percent participating		
	Female	Total Market Area	Ratio of strata % to market area %
View birds	39.1	35.0	1.12
View/photograph wildflowers, trees, etc.	52.5	47.2	1.11
View wildlife	46.7	46.9	1.00
Swimming in natural water	39.6	42.7	0.93
Developed camping	20.7	22.2	0.93
View or photograph fish	21.4	23.7	0.90
Horseback riding on trails	7.0	7.9	0.89
Visit waterside besides beach	25.7	29.2	0.88
Day hiking	28.8	33.7	0.85
Gather mushrooms, berries, etc.	25.9	31.2	0.83
Visit a wilderness or other primitive area	27.1	34.7	0.78
Mountain biking	12.2	17.7	0.69
Warmwater fishing	19.4	28.9	0.67
Drive off-road	12.9	20.6	0.63
Backpacking	6.6	10.7	0.62
Primitive camping	9.8	16.1	0.61
Small game hunting	1.9	9.0	0.21
Big game hunting	1.7	8.4	0.20

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4b.1--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= AGE, Strata= Age 16-24

Activity	Percent participating		
	16-24	Total Market Area	Ratio of strata % to market area %
Small game hunting	18.4	9.1	2.02
Backpacking	21.3	10.9	1.95
Primitive camping	31.2	16.3	1.91
Mountain biking	32.7	17.7	1.85
Horseback riding on trails	13.2	8.0	1.65
Drive off-road	33.3	20.6	1.62
Big game hunting	13.6	8.5	1.60
Swimming in natural water	63.3	42.9	1.48
Visit waterside besides beach	41.1	29.0	1.42
Warmwater fishing	40.9	29.0	1.41
Gather mushrooms, berries, etc.	44.1	31.4	1.40
Visit a wilderness or other primitive area	48.8	35.1	1.39
Day hiking	43.4	33.8	1.28
Developed camping	28.2	22.5	1.25
View wildlife	50.9	47.2	1.08
View/photograph wildflowers, trees, etc.	44.1	47.4	0.93
View or photograph fish	20.7	23.8	0.87
View birds	27.4	34.3	0.80

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4b.2--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= AGE, Strata= Age 25-34

Activity	Percent participating		
	25-34	Total Market Area	Ratio of strata % to market area %
Drive off-road	31.7	20.6	1.54
Mountain biking	25.5	17.7	1.44
Big game hunting	12.1	8.5	1.42
Developed camping	28.9	22.5	1.28
Swimming in natural water	53.0	42.9	1.24
Primitive camping	19.7	16.3	1.21
Visit a wilderness or other primitive area	42.0	35.1	1.20
Day hiking	40.4	33.8	1.20
Small game hunting	10.4	9.1	1.14
Visit waterside besides beach	32.6	29.0	1.12
Backpacking	12.1	10.9	1.11
Horseback riding on trails	8.9	8.0	1.11
Warmwater fishing	30.5	29.0	1.05
View or photograph fish	24.1	23.8	1.01
View wildlife	45.1	47.2	0.96
Gather mushrooms, berries, etc.	30.0	31.4	0.96
View/photograph wildflowers, trees, etc.	41.5	47.4	0.88
View birds	27.6	34.3	0.80

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4b.3--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= AGE, Strata= Age 35-44

Activity	Percent participating		
	35-44	Total Market Area	Ratio of strata % to market area %
View or photograph fish	32.0	23.8	1.34
Developed camping	29.3	22.5	1.30
Visit waterside besides beach	35.6	29.0	1.23
Swimming in natural water	51.0	42.9	1.19
Day hiking	40.3	33.8	1.19
Mountain biking	20.9	17.7	1.18
Backpacking	12.3	10.9	1.13
View/photograph wildflowers, trees, etc.	53.0	47.4	1.12
Warmwater fishing	32.3	29.0	1.11
Visit a wilderness or other primitive area	38.1	35.1	1.09
Gather mushrooms, berries, etc.	33.7	31.4	1.07
View wildlife	49.8	47.2	1.06
Horseback riding on trails	8.4	8.0	1.05
Primitive camping	16.9	16.3	1.04
Small game hunting	9.0	9.1	0.99
Big game hunting	8.3	8.5	0.98
View birds	32.2	34.3	0.94
Drive off-road	19.4	20.6	0.94

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4b.4--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= AGE, Strata= Age 45-54

Activity	Percent participating		
	45-54	Total Market Area	Ratio of strata % to market area %
Horseback riding on trails	10.0	8.0	1.25
View or photograph fish	28.6	23.8	1.20
View/photograph wildflowers, trees, etc.	55.2	47.4	1.16
View wildlife	54.0	47.2	1.14
View birds	38.7	34.3	1.13
Visit a wilderness or other primitive area	37.7	35.1	1.07
Visit waterside besides beach	31.1	29.0	1.07
Warmwater fishing	30.7	29.0	1.06
Developed camping	23.1	22.5	1.03
Swimming in natural water	42.4	42.9	0.99
Day hiking	31.8	33.8	0.94
Gather mushrooms, berries, etc.	28.6	31.4	0.91
Primitive camping	14.8	16.3	0.91
Backpacking	9.9	10.9	0.91
Drive off-road	15.3	20.6	0.74
Small game hunting	6.1	9.1	0.67
Mountain biking	11.4	17.7	0.64
Big game hunting	5.2	8.5	0.61

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4b. 5--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= AGE, Strata= Age 55-64

Activity	Percent participating		
	55-64	Total Market Area	Ratio of strata % to market area %
View birds	42.0	34.3	1.22
View/photograph wildflowers, trees, etc.	51.6	47.4	1.09
View or photograph fish	25.2	23.8	1.06
View wildlife	48.5	47.2	1.03
Gather mushrooms, berries, etc.	28.3	31.4	0.90
Small game hunting	7.8	9.1	0.86
Day hiking	26.3	33.8	0.78
Visit a wilderness or other primitive area	27.1	35.1	0.77
Warmwater fishing	21.6	29.0	0.74
Big game hunting	6.2	8.5	0.73
Developed camping	15.8	22.5	0.70
Drive off-road	12.8	20.6	0.62
Swimming in natural water	24.3	42.9	0.57
Visit waterside besides beach	14.8	29.0	0.51
Horseback riding on trails	4.0	8.0	0.50
Primitive camping	7.6	16.3	0.47
Backpacking	4.9	10.9	0.45
Mountain biking	7.4	17.7	0.42

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4b.6--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= AGE, Strata= Age 65+

Activity	Percent participating		
	65+	Total Market Area	Ratio of strata % to market area %
View birds	41.8	34.3	1.22
View/photograph wildflowers, trees, etc.	41.3	47.4	0.87
View wildlife	35.6	47.2	0.75
Gather mushrooms, berries, etc.	21.4	31.4	0.68
View or photograph fish	13.0	23.8	0.55
Day hiking	16.6	33.8	0.49
Warmwater fishing	14.1	29.0	0.49
Big game hunting	4.0	8.5	0.47
Visit waterside besides beach	12.0	29.0	0.41
Visit a wilderness or other primitive area	13.8	35.1	0.39
Drive off-road	7.3	20.6	0.35
Swimming in natural water	14.3	42.9	0.33
Developed camping	6.3	22.5	0.28
Horseback riding on trails	1.9	8.0	0.24
Small game hunting	2.1	9.1	0.23
Primitive camping	2.8	16.3	0.17
Backpacking	1.7	10.9	0.16
Mountain biking	2.1	17.7	0.12

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4c.1--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= HOUSEHOLD SIZE, Strata= 1 PERSON HOUSEHOLD

Activity	Percent participating		
	1 person household	Total Market Area	Ratio of strata % to market area %
View birds	36.7	34.9	1.05
View/photograph wildflowers, trees, etc.	44.2	47.3	0.93
Visit a wilderness or other primitive area	33.3	35.8	0.93
Day hiking	30.1	34.8	0.86
Gather mushrooms, berries, etc.	25.9	31.0	0.84
View wildlife	40.1	48.2	0.83
Primitive camping	12.4	15.3	0.81
View or photograph fish	20.0	25.1	0.80
Backpacking	8.3	11.0	0.75
Mountain biking	13.6	18.3	0.74
Horseback riding on trails	5.9	8.3	0.71
Visit waterside besides beach	18.9	29.5	0.64
Warmwater fishing	19.1	30.2	0.63
Swimming in natural water	26.5	44.2	0.60
Developed camping	11.7	22.3	0.52
Drive off-road	11.2	21.4	0.52
Big game hunting	4.5	8.6	0.52
Small game hunting	3.6	8.7	0.41

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4c.2--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= HOUSEHOLD SIZE, Strata= 2 PERSON HOUSEHOLD

Activity	Percent participating		
	2 person household	Total Market Area	Ratio of strata % to market area %
View birds	38.0	34.9	1.09
View/photograph wildflowers, trees, etc.	48.2	47.3	1.02
View wildlife	48.4	48.2	1.00
Gather mushrooms, berries, etc.	30.3	31.0	0.98
Day hiking	31.9	34.8	0.92
View or photograph fish	22.9	25.1	0.91
Visit a wilderness or other primitive area	32.0	35.8	0.89
Swimming in natural water	37.9	44.2	0.86
Big game hunting	7.3	8.6	0.85
Warmwater fishing	25.2	30.2	0.83
Mountain biking	15.0	18.3	0.82
Visit waterside besides beach	23.7	29.5	0.80
Horseback riding on trails	6.6	8.3	0.80
Drive off-road	16.8	21.4	0.79
Primitive camping	12.0	15.3	0.78
Developed camping	17.1	22.3	0.77
Small game hunting	5.9	8.7	0.68
Backpacking	6.5	11.0	0.59

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4c.3--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= HOUSEHOLD SIZE, Strata= 3 PERSON HOUSEHOLD

Activity	Percent participating		
	3 person household	Total Market Area	Ratio of strata % to market area %
Drive off-road	32.8	21.4	1.53
Small game hunting	13.2	8.7	1.52
Big game hunting	12.3	8.6	1.43
Developed camping	29.5	22.3	1.32
Backpacking	14.5	11.0	1.32
Primitive camping	19.3	15.3	1.26
Warmwater fishing	36.8	30.2	1.22
Visit waterside besides beach	35.1	29.5	1.19
Horseback riding on trails	9.9	8.3	1.19
Swimming in natural water	51.2	44.2	1.16
View wildlife	52.8	48.2	1.10
Gather mushrooms, berries, etc.	33.3	31.0	1.07
Mountain biking	19.2	18.3	1.05
Visit a wilderness or other primitive area	37.4	35.8	1.04
View/photograph wildflowers, trees, etc.	48.5	47.3	1.03
View or photograph fish	25.7	25.1	1.02
Day hiking	34.1	34.8	0.98
View birds	31.8	34.9	0.91

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4c.4--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= HOUSEHOLD SIZE, Strata= 4 PERSON HOUSEHOLD

Activity	Percent participating		
	4 person household	Total Market Area	Ratio of strata % to market area %
Small game hunting	13.9	8.7	1.60
Warmwater fishing	46.9	30.2	1.55
Backpacking	17.0	11.0	1.55
Developed camping	33.5	22.3	1.50
View or photograph fish	37.4	25.1	1.49
Horseback riding on trails	12.4	8.3	1.49
Swimming in natural water	65.2	44.2	1.48
Visit waterside besides beach	42.8	29.5	1.45
Drive off-road	29.9	21.4	1.40
Mountain biking	25.6	18.3	1.40
Big game hunting	11.2	8.6	1.30
Primitive camping	19.4	15.3	1.27
Gather mushrooms, berries, etc.	38.6	31.0	1.25
Visit a wilderness or other primitive area	41.8	35.8	1.17
Day hiking	40.6	34.8	1.17
View wildlife	51.5	48.2	1.07
View/photograph wildflowers, trees, etc.	49.6	47.3	1.05
View birds	33.5	34.9	0.96

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4c. 5--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= HOUSEHOLD SIZE, Strata= 5 or more PERSON HOUSEHOLD

Activity	Percent participating		
	5+ persons household	Total Market Area	Ratio of strata % to market area %
Backpacking	15.3	11.0	1.39
Day hiking	45.3	34.8	1.30
Mountain biking	23.6	18.3	1.29
Developed camping	27.4	22.3	1.23
Visit waterside besides beach	36.1	29.5	1.22
Primitive camping	17.8	15.3	1.16
Swimming in natural water	50.6	44.2	1.14
Visit a wilderness or other primitive area	40.8	35.8	1.14
Small game hunting	9.5	8.7	1.09
Big game hunting	9.2	8.6	1.07
View wildlife	48.3	48.2	1.00
Horseback riding on trails	7.9	8.3	0.95
View/photograph wildflowers, trees, etc.	43.9	47.3	0.93
Drive off-road	19.3	21.4	0.90
Warmwater fishing	26.7	30.2	0.88
Gather mushrooms, berries, etc.	26.2	31.0	0.85
View birds	29.3	34.9	0.84
View or photograph fish	21.2	25.1	0.84

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4d.1--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= RACE, Strata= WHITE

Activity	Percent participating		
	White	Total Market Area	Ratio of strata % to market area %
Day hiking	38.0	33.9	1.12
Primitive camping	18.3	16.3	1.12
Big game hunting	9.6	8.6	1.12
Warmwater fishing	32.4	29.4	1.10
Small game hunting	10.2	9.3	1.10
Horseback riding on trails	9.0	8.2	1.10
Gather mushrooms, berries, etc.	34.0	31.3	1.09
Swimming in natural water	46.1	43.1	1.07
Drive off-road	22.3	21.1	1.06
Visit a wilderness or other primitive area	37.0	35.1	1.05
Visit waterside besides beach	31.0	29.4	1.05
View or photograph fish	25.2	24.0	1.05
Developed camping	23.7	22.5	1.05
View birds	36.3	34.9	1.04
Backpacking	11.3	10.9	1.04
View wildlife	48.8	47.2	1.03
Mountain biking	18.2	17.7	1.03
View/photograph wildflowers, trees, etc.	48.0	47.4	1.01

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4d.2--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= RACE, Strata= BLACK

Activity	Percent participating		
	Black or Afric. Amer.	Total Market Area	Ratio of strata % to market area %
Mountain biking	16.2	17.7	0.92
View/photograph wildflowers, trees, etc.	41.1	47.4	0.87
View birds	26.3	34.9	0.75
View wildlife	33.9	47.2	0.72
Visit waterside besides beach	19.4	29.4	0.66
View or photograph fish	15.8	24.0	0.66
Visit a wilderness or other primitive area	22.8	35.1	0.65
Drive off-road	13.1	21.1	0.62
Developed camping	13.8	22.5	0.61
Swimming in natural water	26.0	43.1	0.60
Backpacking	5.9	10.9	0.54
Gather mushrooms, berries, etc.	16.5	31.3	0.53
Small game hunting	4.7	9.3	0.51
Warmwater fishing	11.7	29.4	0.40
Horseback riding on trails	2.8	8.2	0.34
Big game hunting	2.6	8.6	0.30
Day hiking	9.0	33.9	0.27
Primitive camping	4.3	16.3	0.26

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4d.3--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= RACE, Strata= OTHER
(OTHER includes Asian, Pacific Islander, and American Indian)

Activity	Percent participating		
	Other	Total Market Area	Ratio of strata % to market area %
Backpacking	25.0	10.9	2.29
Developed camping	32.7	22.5	1.45
Drive off-road	29.7	21.1	1.41
View/photograph wildflowers, trees, etc.	65.0	47.4	1.37
Horseback riding on trails	11.2	8.2	1.37
View wildlife	64.2	47.2	1.36
View or photograph fish	28.7	24.0	1.20
Visit a wilderness or other primitive area	38.7	35.1	1.10
Visit waterside besides beach	29.6	29.4	1.01
View birds	34.7	34.9	0.99
Big game hunting	7.8	8.6	0.91
Warmwater fishing	26.4	29.4	0.90
Day hiking	29.9	33.9	0.88
Primitive camping	13.9	16.3	0.85
Swimming in natural water	35.2	43.1	0.82
Gather mushrooms, berries, etc.	20.1	31.3	0.64
Mountain biking	10.4	17.7	0.59
Small game hunting	4.3	9.3	0.46

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4d.4--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= RACE/ETHNICITY, Strata= HISPANIC

Activity	Percent participating		
	Hispanic	Total Market Area	Ratio of strata % to market area %
Day hiking	49.1	33.9	1.45
Mountain biking	19.1	17.8	1.07
View/photograph wildflowers, trees, etc.	44.3	47.3	0.94
View birds	31.4	35.0	0.90
Gather mushrooms, berries, etc.	23.2	31.4	0.74
View wildlife	28.7	47.1	0.61
View or photograph fish	13.2	23.7	0.56
Swimming in natural water	23.3	42.8	0.54
Developed camping	11.6	22.4	0.52
Visit a wilderness or other primitive area	16.5	34.9	0.47
Visit waterside besides beach	13.0	29.1	0.45
Drive off-road	8.8	20.6	0.43
Warmwater fishing	8.4	28.9	0.29
Primitive camping	4.2	16.2	0.26
Backpacking	2.1	10.7	0.20
Horseback riding on trails	0.0	8.0	0.00
Big game hunting	0.0	8.3	0.00
Small game hunting	0.0	9.0	0.00

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4e.1--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= INCOME, Strata= Less than \$20,000

Activity	Percent participating		
	\$<20k	Total Market Area	Ratio of strata % to market area %
Gather mushrooms, berries, etc.	36.0	36.4	0.99
Drive off-road	17.5	20.9	0.84
Mountain biking	14.5	17.6	0.82
View wildlife	38.8	51.1	0.76
Primitive camping	13.0	17.3	0.75
View or photograph fish	18.9	26.5	0.71
Day hiking	22.4	32.3	0.69
Visit a wilderness or other primitive area	24.2	35.7	0.68
Warmwater fishing	16.7	24.7	0.68
Swimming in natural water	28.0	42.9	0.65
View birds	20.3	34.4	0.59
Visit waterside besides beach	16.3	28.2	0.58
View/photograph wildflowers, trees, etc.	26.8	48.1	0.56
Developed camping	10.8	22.6	0.48
Big game hunting	4.1	8.5	0.48
Horseback riding on trails	4.0	8.9	0.45
Small game hunting	3.6	8.7	0.41
Backpacking	3.8	9.6	0.40

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4e.2--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$20,000 to \$29,999

Activity	Percent participating		
	\$20-29. 999k	Total Market Area	Ratio of strata % to market area %
Primitive camping	21.6	17.3	1.25
Small game hunting	9.6	8.7	1.10
Backpacking	10.5	9.6	1.09
View birds	36.1	34.4	1.05
Day hiking	32.7	32.3	1.01
Visit waterside besides beach	26.9	28.2	0.95
View/photograph wildflowers, trees, etc.	45.4	48.1	0.94
View wildlife	47.3	51.1	0.93
Developed camping	20.6	22.6	0.91
Visit a wilderness or other primitive area	32.2	35.7	0.90
View or photograph fish	23.8	26.5	0.90
Gather mushrooms, berries, etc.	32.0	36.4	0.88
Warmwater fishing	20.7	24.7	0.84
Mountain biking	13.9	17.6	0.79
Drive off-road	16.0	20.9	0.77
Big game hunting	5.8	8.5	0.68
Swimming in natural water	28.6	42.9	0.67
Horseback riding on trails	6.0	8.9	0.67

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4e.3--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$30,000 to \$39,999

Activity	Percent participating		
	\$30-39. 999k	Total Market Area	Ratio of strata % to market area %
Big game hunting	11.3	8.5	1.33
Drive off-road	25.8	20.9	1.23
Developed camping	23.6	22.6	1.04
Small game hunting	8.7	8.7	1.00
Gather mushrooms, berries, etc.	36.1	36.4	0.99
Visit a wilderness or other primitive area	35.2	35.7	0.99
View/photograph wildflowers, trees, etc.	46.0	48.1	0.96
Swimming in natural water	39.8	42.9	0.93
View wildlife	46.0	51.1	0.90
Warmwater fishing	21.9	24.7	0.89
View or photograph fish	23.2	26.5	0.88
View birds	30.0	34.4	0.87
Day hiking	26.7	32.3	0.83
Horseback riding on trails	6.2	8.9	0.70
Primitive camping	11.6	17.3	0.67
Visit waterside besides beach	17.7	28.2	0.63
Mountain biking	10.4	17.6	0.59
Backpacking	4.4	9.6	0.46

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4e. 4-Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$40,000 to \$49,999

Activity	Percent participating		
	\$40-49. 999k	Total Market Area	Ratio of strata % to market area %
Horseback riding on trails	15.5	8.9	1.74
View or photograph fish	39.1	26.5	1.48
Developed camping	32.5	22.6	1.44
Visit a wilderness or other primitive area	51.0	35.7	1.43
View/photograph wildflowers, trees, etc.	68.5	48.1	1.42
View birds	47.9	34.4	1.39
Visit waterside besides beach	38.3	28.2	1.36
View wildlife	69.1	51.1	1.35
Primitive camping	21.8	17.3	1.26
Warmwater fishing	30.0	24.7	1.21
Mountain biking	20.9	17.6	1.19
Swimming in natural water	50.4	42.9	1.17
Gather mushrooms, berries, etc.	41.5	36.4	1.14
Day hiking	35.2	32.3	1.09
Drive off-road	22.2	20.9	1.06
Backpacking	9.5	9.6	0.99
Small game hunting	6.3	8.7	0.72
Big game hunting	5.9	8.5	0.69

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4e. 5--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$50,000 to \$74,999

Activity	Percent participating		
	\$50-74. 999k	Total Market Area	Ratio of strata % to market area %
Big game hunting	14.5	8.5	1.71
Backpacking	16.0	9.6	1.67
Horseback riding on trails	12.7	8.9	1.43
Swimming in natural water	60.6	42.9	1.41
Small game hunting	11.2	8.7	1.29
Day hiking	40.0	32.3	1.24
Mountain biking	21.7	17.6	1.23
Visit waterside besides beach	34.0	28.2	1.21
Warmwater fishing	28.3	24.7	1.15
View or photograph fish	30.0	26.5	1.13
View birds	36.2	34.4	1.05
Developed camping	23.7	22.6	1.05
Visit a wilderness or other primitive area	36.8	35.7	1.03
Gather mushrooms, berries, etc.	37.1	36.4	1.02
Primitive camping	17.6	17.3	1.02
Drive off-road	20.7	20.9	0.99
View/photograph wildflowers, trees, etc.	46.5	48.1	0.97
View wildlife	48.0	51.1	0.94

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4e. 6--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$75,000 to \$99,999

Activity	Percent participating		
	\$75-99. 999k	Total Market Area	Ratio of strata % to market area %
Visit waterside besides beach	45.7	28.2	1.62
Warmwater fishing	39.6	24.7	1.60
Mountain biking	28.0	17.6	1.59
Big game hunting	13.3	8.5	1.56
Developed camping	34.6	22.6	1.53
Small game hunting	12.1	8.7	1.39
Horseback riding on trails	12.1	8.9	1.36
Swimming in natural water	57.8	42.9	1.35
Day hiking	42.4	32.3	1.31
Primitive camping	22.4	17.3	1.29
View/photograph wildflowers, trees, etc.	60.9	48.1	1.27
View birds	42.5	34.4	1.24
View wildlife	62.7	51.1	1.23
Drive off-road	24.3	20.9	1.16
Gather mushrooms, berries, etc.	39.8	36.4	1.09
View or photograph fish	28.7	26.5	1.08
Backpacking	9.8	9.6	1.02
Visit a wilderness or other primitive area	34.2	35.7	0.96

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4e.7--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$100,000 or more

Activity	Percent participating		
	\$100+k	Total Market Area	Ratio of strata % to market area %
Backpacking	16.6	9.6	1.73
Visit a wilderness or other primitive area	47.3	35.7	1.32
Mountain biking	22.5	17.6	1.28
Small game hunting	11.0	8.7	1.26
Horseback riding on trails	11.0	8.9	1.24
View/photograph wildflowers, trees, etc.	59.2	48.1	1.23
Visit waterside besides beach	34.3	28.2	1.22
View wildlife	61.3	51.1	1.20
Swimming in natural water	51.4	42.9	1.20
Drive off-road	23.0	20.9	1.10
View birds	37.4	34.4	1.09
Warmwater fishing	26.4	24.7	1.07
Day hiking	34.1	32.3	1.06
View or photograph fish	27.9	26.5	1.05
Developed camping	23.2	22.6	1.03
Gather mushrooms, berries, etc.	36.1	36.4	0.99
Primitive camping	17.0	17.3	0.98
Big game hunting	4.5	8.5	0.53

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4f.1--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= METROPOLITAN STATUS, Strata= NON-METROPOLITAN

Activity	Percent participating		
	Non-metropolitan	Total Market Area	Ratio of strata % to market area %
Big game hunting	13.2	8.4	1.57
Small game hunting	12.5	9.0	1.39
Drive off-road	27.9	20.6	1.35
Primitive camping	20.0	16.1	1.24
Gather mushrooms, berries, etc.	35.1	31.1	1.13
Warmwater fishing	32.4	28.9	1.12
Horseback riding on trails	8.5	7.9	1.08
Day hiking	35.3	33.7	1.05
Visit a wilderness or other primitive area	35.4	34.7	1.02
Developed camping	22.4	22.2	1.01
View wildlife	47.0	46.9	1.00
Backpacking	10.4	10.7	0.97
View/photograph wildflowers, trees, etc.	45.5	47.2	0.96
View or photograph fish	22.1	23.7	0.93
Mountain biking	16.2	17.7	0.92
View birds	31.7	35.0	0.91
Swimming in natural water	37.8	42.7	0.89
Visit waterside besides beach	25.9	29.2	0.89

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4f.2--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= METROPOLITAN STATUS, Strata= METROPOLITAN

Activity	Percent participating		
	Metropolitan	Total Market Area	Ratio of strata % to market area %
Swimming in natural water	45.3	42.7	1.06
Visit waterside besides beach	30.9	29.2	1.06
View birds	36.8	35.0	1.05
Mountain biking	18.5	17.7	1.05
View or photograph fish	24.6	23.7	1.04
View/photograph wildflowers, trees, etc.	48.1	47.2	1.02
Backpacking	10.9	10.7	1.02
View wildlife	46.8	46.9	1.00
Developed camping	22.1	22.2	1.00
Visit a wilderness or other primitive area	34.3	34.7	0.99
Day hiking	32.9	33.7	0.98
Horseback riding on trails	7.6	7.9	0.96
Warmwater fishing	27.1	28.9	0.94
Gather mushrooms, berries, etc.	29.0	31.1	0.93
Primitive camping	13.9	16.1	0.86
Drive off-road	16.9	20.6	0.82
Small game hunting	7.2	9.0	0.80
Big game hunting	5.9	8.4	0.70

Total Market Area is percent of ALL respondents in the Market Area.

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4g.1--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= DISABLED, Type= PHYSICAL DISABILITY

Percent participating	
Activity	Percent participating
View birds	36.79
View wildlife	34.06
Swimming in natural water	30.05
Warmwater fishing	25.42
Developed camping	19.13
Drive off-road	18.97
Day hiking	18.96
Primitive camping	14.75
View or photograph fish	11.37
Big game hunting	7.29
Small game hunting	6.06
Backpacking	5.97

Disability data are from NSRE 1994-1995. They are for all of Region 8, NOT just the Market Area.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 4g. 2--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= DISABLED, Type= OTHER DISABILITY (Non-physical)

Percent participating	
Activity	Percent participating
View birds	33.95
Swimming in natural water	32.95
View wildlife	32.63
Warmwater fishing	32.59
Developed camping	19.54
Drive off-road	17.87
View or photograph fish	17.77
Day hiking	15.36
Primitive camping	15.22
Big game hunting	9.03
Small game hunting	8.89
Backpacking	3.29

Disability data are from NSRE 1994-1995. They are for all of Region 8, NOT just the Market Area.

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III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 5--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Bicycling			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	52.0	47.5	1.09
Female	48.0	52.5	0.91	51.8
White, non-Hispanic	77.8	80.1	0.97	71.3
Black, non-Hispanic	15.4	13.3	1.16	12.2
Amer. Indian, non-H	0.5	0.6	0.83	0.7
Asian/PI, non-Hispanic	1.5	1.1	1.36	3.8
Hispanic	4.9	4.9	1.00	11.9
16-24	30.9	19.0	1.63	16.2
25-34	20.1	17.5	1.15	17.4
35-44	23.6	19.5	1.21	21.0
45-54	11.6	15.6	0.74	17.7
55-64	5.8	9.9	0.59	11.3
65+	7.9	18.4	0.43	16.4
<\$15,000	5.6	7.0	0.80	10.6
\$15,000-\$24,999	7.6	8.8	0.86	12.0
\$25,000-\$49,999	18.2	18.6	0.98	28.3
\$50,000-\$74,999	11.3	11.1	1.02	21.2
\$75,000-\$99,999	8.7	5.7	1.53	12.7
\$100,000+	6.5	5.4	1.20	15.2
Don't know	4.3	4.2	1.02	.
Refused	37.7	39.4	0.96	.
U. S. citizen	94.5	95.2	0.99	90.5
Foreign born	5.5	4.8	1.15	9.5
Non-metro resident	27.9	34.7	0.80	19.8
Metro area resident	72.1	65.3	1.10	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 6--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Mountain Biking			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	64.1	47.5	1.35	48.2
Female	35.9	52.5	0.68	51.8
White, non-Hispanic	80.5	80.1	1.00	71.3
Black, non-Hispanic	12.6	13.3	0.95	12.2
Amer. Indian, non-H	0.7	0.6	1.17	0.7
Asian/PI, non-Hi sp.	0.5	1.1	0.45	3.8
Hispanic	5.7	4.9	1.16	11.9
16-24	35.7	19.0	1.88	16.2
25-34	25.5	17.5	1.46	17.4
35-44	22.5	19.5	1.15	21.0
45-54	10.1	15.6	0.65	17.7
55-64	4.1	9.9	0.41	11.3
65+	2.2	18.4	0.12	16.4
<\$15,000	4.1	7.0	0.59	10.6
\$15,000-\$24,999	8.5	8.8	0.97	12.0
\$25,000-\$49,999	17.3	18.6	0.93	28.3
\$50,000-\$74,999	11.0	11.1	0.99	21.2
\$75,000-\$99,999	9.4	5.7	1.65	12.7
\$100,000+	8.0	5.4	1.48	15.2
Don't know	5.8	4.2	1.38	.
Refused	35.9	39.4	0.91	.
U. S. citizen	93.7	95.2	0.98	90.5
Foreign born	6.3	4.8	1.31	9.5
Non-metro resident	31.4	34.7	0.90	19.8
Metro area resident	68.6	65.3	1.05	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 7--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Horseback Riding on Trails			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	53.8	47.5	1.13	48.2
Female	46.2	52.5	0.88	51.8
White, non-Hispanic	92.3	80.1	1.15	71.3
Black, non-Hispanic	4.8	13.3	0.36	12.2
Amer. Indian, non-H	0.9	0.6	1.50	0.7
Asian/PI, non-Hispanic	2.0	1.1	1.82	3.8
Hispanic	.	4.9	.	11.9
16-24	31.8	19.0	1.67	16.2
25-34	19.5	17.5	1.11	17.4
35-44	20.0	19.5	1.03	21.0
45-54	19.5	15.6	1.25	17.7
55-64	4.8	9.9	0.48	11.3
65+	4.4	18.4	0.24	16.4
<\$15,000	5.7	7.0	0.81	10.6
\$15,000-\$24,999	6.5	8.8	0.74	12.0
\$25,000-\$49,999	18.7	18.6	1.01	28.3
\$50,000-\$74,999	13.9	11.1	1.25	21.2
\$75,000-\$99,999	9.0	5.7	1.58	12.7
\$100,000+	9.1	5.4	1.69	15.2
Don't know	6.4	4.2	1.52	.
Refused	30.6	39.4	0.78	.
U. S. citizen	100.0	95.2	1.05	90.5
Foreign born	.	4.8	.	9.5
Non-metro resident	37.1	34.7	1.07	19.8
Metro area resident	62.9	65.3	0.96	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 8--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Picnicking			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	44.6	47.5	0.94
Female	55.4	52.5	1.06	51.8
White, non-Hispanic	81.7	80.1	1.02	71.3
Black, non-Hispanic	10.7	13.3	0.80	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hispanic	1.2	1.1	1.09	3.8
Hispanic	5.8	4.9	1.18	11.9
16-24	18.2	19.0	0.96	16.2
25-34	18.0	17.5	1.03	17.4
35-44	23.3	19.5	1.19	21.0
45-54	17.4	15.6	1.12	17.7
55-64	8.8	9.9	0.89	11.3
65+	14.2	18.4	0.77	16.4
<\$15,000	5.8	7.0	0.83	10.6
\$15,000-\$24,999	8.4	8.8	0.95	12.0
\$25,000-\$49,999	21.0	18.6	1.13	28.3
\$50,000-\$74,999	13.7	11.1	1.23	21.2
\$75,000-\$99,999	6.8	5.7	1.19	12.7
\$100,000+	5.6	5.4	1.04	15.2
Don't know	3.4	4.2	0.81	.
Refused	35.3	39.4	0.90	.
U. S. citizen	95.2	95.2	1.00	90.5
Foreign born	4.8	4.8	1.00	9.5
Non-metro resident	33.7	34.7	0.97	19.8
Metro area resident	66.3	65.3	1.02	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 9--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Family Gatherings			Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
	Male	46.5	47.5	
Female	53.5	52.5	1.02	51.8
White, non-Hispanic	78.8	80.1	0.98	71.3
Black, non-Hispanic	13.7	13.3	1.03	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hispanic	1.2	1.1	1.09	3.8
Hispanic	5.7	4.9	1.16	11.9
16-24	19.5	19.0	1.03	16.2
25-34	18.3	17.5	1.05	17.4
35-44	21.7	19.5	1.11	21.0
45-54	16.0	15.6	1.03	17.7
55-64	8.7	9.9	0.88	11.3
65+	15.8	18.4	0.86	16.4
<\$15,000	6.0	7.0	0.86	10.6
\$15,000-\$24,999	8.8	8.8	1.00	12.0
\$25,000-\$49,999	19.6	18.6	1.05	28.3
\$50,000-\$74,999	12.1	11.1	1.09	21.2
\$75,000-\$99,999	6.3	5.7	1.11	12.7
\$100,000+	5.3	5.4	0.98	15.2
Don't know	3.8	4.2	0.90	.
Refused	38.2	39.4	0.97	.
U. S. citizen	94.8	95.2	1.00	90.5
Foreign born	5.2	4.8	1.08	9.5
Non-metro resident	32.9	34.7	0.95	19.8
Metro area resident	67.1	65.3	1.03	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 10--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Visit Nature Centers etc.			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	46.9	47.5	0.99	48.2
Female	53.1	52.5	1.01	51.8
White, non-Hispanic	83.2	80.1	1.04	71.3
Black, non-Hispanic	11.6	13.3	0.87	12.2
Amer. Indian, non-H	0.5	0.6	0.83	0.7
Asian/PI, non-Hispanic	0.6	1.1	0.55	3.8
Hispanic	4.0	4.9	0.82	11.9
16-24	19.0	19.0	1.00	16.2
25-34	20.0	17.5	1.14	17.4
35-44	22.2	19.5	1.14	21.0
45-54	18.0	15.6	1.15	17.7
55-64	9.2	9.9	0.93	11.3
65+	11.6	18.4	0.63	16.4
<\$15,000	5.2	7.0	0.74	10.6
\$15,000-\$24,999	7.5	8.8	0.85	12.0
\$25,000-\$49,999	21.5	18.6	1.16	28.3
\$50,000-\$74,999	13.3	11.1	1.20	21.2
\$75,000-\$99,999	7.7	5.7	1.35	12.7
\$100,000+	6.6	5.4	1.22	15.2
Don't know	4.5	4.2	1.07	.
Refused	33.9	39.4	0.86	.
U. S. citizen	96.5	95.2	1.01	90.5
Foreign born	3.5	4.8	0.73	9.5
Non-metro resident	30.8	34.7	0.89	19.8
Metro area resident	69.2	65.3	1.06	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 11--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Visit Prehistoric Sites			Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	50.0	47.5	1.05	48.2
Female	50.0	52.5	0.95	51.8
White, non-Hispanic	81.8	80.1	1.02	71.3
Black, non-Hispanic	11.5	13.3	0.86	12.2
Amer. Indian, non-H	0.9	0.6	1.50	0.7
Asian/PI, non-Hispanic	5.8	1.1	5.27	3.8
Hispanic	.	4.9	.	11.9
16-24	21.9	19.0	1.15	16.2
25-34	17.5	17.5	1.00	17.4
35-44	23.3	19.5	1.19	21.0
45-54	17.3	15.6	1.11	17.7
55-64	8.6	9.9	0.87	11.3
65+	11.5	18.4	0.63	16.4
<\$15,000	4.6	7.0	0.66	10.6
\$15,000-\$24,999	7.7	8.8	0.88	12.0
\$25,000-\$49,999	20.4	18.6	1.10	28.3
\$50,000-\$74,999	14.8	11.1	1.33	21.2
\$75,000-\$99,999	9.3	5.7	1.63	12.7
\$100,000+	8.3	5.4	1.54	15.2
Don't know	4.4	4.2	1.05	.
Refused	30.5	39.4	0.77	.
U. S. citizen	97.7	95.2	1.03	90.5
Foreign born	2.3	4.8	0.48	9.5
Non-metro resident	30.5	34.7	0.88	19.8
Metro area resident	69.5	65.3	1.06	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 12--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Visit Historic Sites			Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	48.8	47.5	1.03	48.2
Female	51.2	52.5	0.98	51.8
White, non-Hispanic	82.4	80.1	1.03	71.3
Black, non-Hispanic	11.8	13.3	0.89	12.2
Amer. Indian, non-H	0.7	0.6	1.17	0.7
Asian/PI, non-Hisp.	1.5	1.1	1.36	3.8
Hispanic	3.5	4.9	0.71	11.9
16-24	18.8	19.0	0.99	16.2
25-34	16.1	17.5	0.92	17.4
35-44	23.1	19.5	1.18	21.0
45-54	19.6	15.6	1.26	17.7
55-64	9.6	9.9	0.97	11.3
65+	12.8	18.4	0.70	16.4
<\$15,000	2.9	7.0	0.41	10.6
\$15,000-\$24,999	7.0	8.8	0.80	12.0
\$25,000-\$49,999	21.1	18.6	1.13	28.3
\$50,000-\$74,999	14.5	11.1	1.31	21.2
\$75,000-\$99,999	8.7	5.7	1.53	12.7
\$100,000+	7.6	5.4	1.41	15.2
Don't know	4.5	4.2	1.07	.
Refused	33.6	39.4	0.85	.
U.S. citizen	96.5	95.2	1.01	90.5
Foreign born	3.5	4.8	0.73	9.5

Non-metro resident	27.8	34.7	0.80	19.8
Metro area resident	72.2	65.3	1.11	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

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Table 13--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Walking For Pleasure			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	45.1	47.5	0.95
Female	54.9	52.5	1.05	51.8
White, non-Hispanic	80.2	80.1	1.00	71.3
Black, non-Hispanic	13.9	13.3	1.05	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hispanic	1.3	1.1	1.18	3.8
Hispanic	4.0	4.9	0.82	11.9
16-24	19.0	19.0	1.00	16.2
25-34	17.5	17.5	1.00	17.4
35-44	20.5	19.5	1.05	21.0
45-54	16.1	15.6	1.03	17.7
55-64	9.7	9.9	0.98	11.3
65+	17.2	18.4	0.93	16.4
<\$15,000	6.2	7.0	0.89	10.6
\$15,000-\$24,999	8.1	8.8	0.92	12.0
\$25,000-\$49,999	19.1	18.6	1.03	28.3
\$50,000-\$74,999	11.9	11.1	1.07	21.2

\$75, 000- \$99, 999	6. 5	5. 7	1. 14	12. 7
\$100, 000+	5. 9	5. 4	1. 09	15. 2
Don' t know	4. 0	4. 2	0. 95	.
Refused	38. 4	39. 4	0. 97	.

U. S. citizen	96. 0	95. 2	1. 01	90. 5
Foreign born	4. 0	4. 8	0. 83	9. 5

Non-metro resident	33. 6	34. 7	0. 97	19. 8
Metro area resident	66. 4	65. 3	1. 02	80. 2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i. e., the full Market Area sample). Percentages for the U. S.

population are also shown for comparison.

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Table 14--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Hi king			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	55. 1	47. 5	1. 16
Female	44. 9	52. 5	0. 86	51. 8

White, non-Hispanic	87. 5	80. 1	1. 09	71. 3
Black, non-Hispanic	3. 6	13. 3	0. 27	12. 2
Amer. Indian, non-H	0. 7	0. 6	1. 17	0. 7
Asian/PI, non-Hisp.	1. 1	1. 1	1. 00	3. 8
Hispanic	7. 1	4. 9	1. 45	11. 9

16-24	24. 4	19. 0	1. 28	16. 2
25-34	20. 9	17. 5	1. 19	17. 4
35-44	23. 3	19. 5	1. 19	21. 0

45-54	14.7	15.6	0.94	17.7
55-64	7.7	9.9	0.78	11.3
65+	9.1	18.4	0.49	16.4

<\$15,000	5.4	7.0	0.77	10.6
\$15,000-\$24,999	8.4	8.8	0.95	12.0
\$25,000-\$49,999	18.0	18.6	0.97	28.3
\$50,000-\$74,999	13.2	11.1	1.19	21.2
\$75,000-\$99,999	7.1	5.7	1.25	12.7
\$100,000+	6.7	5.4	1.24	15.2
Don't know	5.3	4.2	1.26	.
Refused	35.9	39.4	0.91	.

U.S. citizen	93.9	95.2	0.99	90.5
Foreign born	6.1	4.8	1.27	9.5

Non-metro resident	36.3	34.7	1.05	19.8
Metro area resident	63.7	65.3	0.98	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 15--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Backpacking			Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	67.8	47.5	1.43	48.2
Female	32.2	52.5	0.61	51.8

White, non-Hispanic	86.8	80.1	1.08	71.3

Black, non-Hispanic	7.4	13.3	0.56	12.2
Amer. Indian, non-H	0.5	0.6	0.83	0.7
Asian/PI, non-Hispanic	4.4	1.1	4.00	3.8
Hispanic	0.9	4.9	0.18	11.9

16-24	37.1	19.0	1.95	16.2
25-34	19.4	17.5	1.11	17.4
35-44	22.0	19.5	1.13	21.0
45-54	14.2	15.6	0.91	17.7
55-64	4.5	9.9	0.45	11.3
65+	2.9	18.4	0.16	16.4

<\$15,000	6.3	7.0	0.90	10.6
\$15,000-\$24,999	9.0	8.8	1.02	12.0
\$25,000-\$49,999	13.0	18.6	0.70	28.3
\$50,000-\$74,999	15.2	11.1	1.37	21.2
\$75,000-\$99,999	6.5	5.7	1.14	12.7
\$100,000+	11.3	5.4	2.09	15.2
Don't know	6.8	4.2	1.62	.
Refused	32.0	39.4	0.81	.

U.S. citizen	96.5	95.2	1.01	90.5
Foreign born	3.5	4.8	0.73	9.5

Non-metro resident	33.6	34.7	0.97	19.8
Metro area resident	66.4	65.3	1.02	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

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Table 16--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Developed Camping

% of % of all

Demographic group	participants in MARKET AREA	respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	51.2	47.5	1.08	48.2
Female	48.8	52.5	0.93	51.8
White, non-Hispanic	86.2	80.1	1.08	71.3
Black, non-Hispanic	8.2	13.3	0.62	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hisp.	2.4	1.1	2.18	3.8
Hispanic	2.5	4.9	0.51	11.9
16-24	23.8	19.0	1.25	16.2
25-34	22.5	17.5	1.29	17.4
35-44	25.5	19.5	1.31	21.0
45-54	16.0	15.6	1.03	17.7
55-64	7.0	9.9	0.71	11.3
65+	5.1	18.4	0.28	16.4
<\$15,000	5.5	7.0	0.79	10.6
\$15,000-\$24,999	7.8	8.8	0.89	12.0
\$25,000-\$49,999	20.8	18.6	1.12	28.3
\$50,000-\$74,999	12.2	11.1	1.10	21.2
\$75,000-\$99,999	8.8	5.7	1.54	12.7
\$100,000+	6.9	5.4	1.28	15.2
Don't know	3.5	4.2	0.83	.
Refused	34.5	39.4	0.88	.
U. S. citizen	95.5	95.2	1.00	90.5
Foreign born	4.5	4.8	0.94	9.5
Non-metro resident	35.0	34.7	1.01	19.8
Metro area resident	65.0	65.3	1.00	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U. S. population are also shown for comparison.

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Table 17--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Primitive Camping			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	67.9	47.5	1.43
Female	32.1	52.5	0.61	51.8
White, non-Hispanic	93.4	80.1	1.17	71.3
Black, non-Hispanic	3.5	13.3	0.26	12.2
Amer. Indian, non-H	1.3	0.6	2.17	0.7
Asian/PI, non-Hisp.	0.5	1.1	0.45	3.8
Hispanic	1.3	4.9	0.27	11.9
16-24	36.5	19.0	1.92	16.2
25-34	21.2	17.5	1.21	17.4
35-44	20.3	19.5	1.04	21.0
45-54	14.2	15.6	0.91	17.7
55-64	4.6	9.9	0.46	11.3
65+	3.2	18.4	0.17	16.4
<\$15,000	8.2	7.0	1.17	10.6
\$15,000-\$24,999	10.9	8.8	1.24	12.0
\$25,000-\$49,999	17.2	18.6	0.92	28.3
\$50,000-\$74,999	11.9	11.1	1.07	21.2
\$75,000-\$99,999	6.9	5.7	1.21	12.7
\$100,000+	7.3	5.4	1.35	15.2
Don't know	4.3	4.2	1.02	.
Refused	33.4	39.4	0.85	.
U. S. citizen	98.2	95.2	1.03	90.5
Foreign born	1.8	4.8	0.38	9.5
Non-metro resident	43.3	34.7	1.25	19.8
Metro area resident	56.7	65.3	0.87	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 18--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	% of	% of all	Ratio (1)/(2)	Percent of U. S. population
	participants in MARKET AREA	respondents in MARKET AREA		
Male	59.2	47.5	1.25	48.2
Female	40.8	52.5	0.78	51.8
White, non-Hispanic	86.5	80.1	1.08	71.3
Black, non-Hispanic	8.8	13.3	0.66	12.2
Amer. Indian, non-H	1.3	0.6	2.17	0.7
Asian/PI, non-Hisp.	1.1	1.1	1.00	3.8
Hispanic	2.3	4.9	0.47	11.9
16-24	26.0	19.0	1.37	16.2
25-34	21.0	17.5	1.20	17.4
35-44	21.3	19.5	1.09	21.0
45-54	16.8	15.6	1.08	17.7
55-64	7.7	9.9	0.78	11.3
65+	7.3	18.4	0.40	16.4
<\$15,000	5.5	7.0	0.79	10.6
\$15,000-\$24,999	8.2	8.8	0.93	12.0
\$25,000-\$49,999	20.9	18.6	1.12	28.3
\$50,000-\$74,999	13.6	11.1	1.23	21.2
\$75,000-\$99,999	6.4	5.7	1.12	12.7
\$100,000+	8.0	5.4	1.48	15.2
Don't know	4.6	4.2	1.10	.
Refused	32.7	39.4	0.83	.
U. S. citizen	98.1	95.2	1.03	90.5
Foreign born	1.9	4.8	0.40	9.5
Non-metro resident	35.4	34.7	1.02	19.8
Metro area resident	64.6	65.3	0.99	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 19--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Gather Mushrooms-Berries-etc.			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	56.4	47.5	1.19	48.2
Female	43.6	52.5	0.83	51.8
White, non-Hispanic	88.0	80.1	1.10	71.3
Black, non-Hispanic	7.1	13.3	0.53	12.2
Amer. Indian, non-H	1.1	0.6	1.83	0.7
Asian/PI, non-Hisp.	0.3	1.1	0.27	3.8
Hispanic	3.6	4.9	0.73	11.9
16-24	26.7	19.0	1.41	16.2
25-34	16.7	17.5	0.95	17.4
35-44	20.9	19.5	1.07	21.0
45-54	14.2	15.6	0.91	17.7
55-64	8.9	9.9	0.90	11.3
65+	12.5	18.4	0.68	16.4
<\$15,000	7.5	7.0	1.07	10.6
\$15,000-\$24,999	11.7	8.8	1.33	12.0
\$25,000-\$49,999	19.8	18.6	1.06	28.3
\$50,000-\$74,999	10.9	11.1	0.98	21.2
\$75,000-\$99,999	6.9	5.7	1.21	12.7
\$100,000+	6.7	5.4	1.24	15.2
Don't know	3.8	4.2	0.90	.
Refused	32.6	39.4	0.83	.
U.S. citizen	95.9	95.2	1.01	90.5
Foreign born	4.1	4.8	0.85	9.5
Non-metro resident	39.2	34.7	1.13	19.8
Metro area resident	60.8	65.3	0.93	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 20--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Big Game Hunting			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	89.0	47.5	1.87	48.2
Female	11.0	52.5	0.21	51.8
White, non-Hispanic	93.9	80.1	1.17	71.3
Black, non-Hispanic	4.4	13.3	0.33	12.2
Amer. Indian, non-H	1.7	0.6	2.83	0.7
Asian/PI, non-Hisp.	.	1.1	.	3.8
Hispanic	.	4.9	.	11.9
16-24	29.3	19.0	1.54	16.2
25-34	25.8	17.5	1.47	17.4
35-44	19.2	19.5	0.98	21.0
45-54	9.7	15.6	0.62	17.7
55-64	7.1	9.9	0.72	11.3
65+	9.0	18.4	0.49	16.4
<\$15,000	4.2	7.0	0.60	10.6
\$15,000-\$24,999	6.4	8.8	0.73	12.0
\$25,000-\$49,999	19.4	18.6	1.04	28.3
\$50,000-\$74,999	15.5	11.1	1.40	21.2
\$75,000-\$99,999	7.4	5.7	1.30	12.7
\$100,000+	4.7	5.4	0.87	15.2
Don't know	2.9	4.2	0.69	.

Refused	39.5	39.4	1.00	.
U.S. citizen	100.0	95.2	1.05	90.5
Foreign born	.	4.8	.	9.5
Non-metro resident	53.4	34.7	1.54	19.8
Metro area resident	46.6	65.3	0.71	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

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Table 21--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Small Game Hunting			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	88.9	47.5	1.87
Female	11.1	52.5	0.21	51.8
White, non-Hispanic	92.0	80.1	1.15	71.3
Black, non-Hispanic	7.2	13.3	0.54	12.2
Amer. Indian, non-H	0.9	0.6	1.50	0.7
Asian/PI, non-Hispanic	.	1.1	.	3.8
Hispanic	.	4.9	.	11.9
16-24	37.0	19.0	1.95	16.2
25-34	20.7	17.5	1.18	17.4
35-44	19.2	19.5	0.98	21.0
45-54	10.5	15.6	0.67	17.7
55-64	8.3	9.9	0.84	11.3
65+	4.3	18.4	0.23	16.4

<\$15,000	3.9	7.0	0.56	10.6
\$15,000-\$24,999	6.4	8.8	0.73	12.0
\$25,000-\$49,999	17.3	18.6	0.93	28.3
\$50,000-\$74,999	12.7	11.1	1.14	21.2
\$75,000-\$99,999	6.5	5.7	1.14	12.7
\$100,000+	7.8	5.4	1.44	15.2
Don't know	3.5	4.2	0.83	.
Refused	42.0	39.4	1.07	.
U.S. citizen	100.0	95.2	1.05	90.5
Foreign born	.	4.8	.	9.5
Non-metro resident	47.2	34.7	1.36	19.8
Metro area resident	52.8	65.3	0.81	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

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Table 22--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Migratory Bird Hunting			Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	97.3	47.5	2.05	48.2
Female	2.7	52.5	0.05	51.8
White, non-Hispanic	83.0	80.1	1.04	71.3
Black, non-Hispanic	16.5	13.3	1.24	12.2
Amer. Indian, non-H	0.5	0.6	0.83	0.7
Asian/PI, non-Hispanic	.	1.1	.	3.8

Hispanic	.	4.9	.	11.9
16-24	36.7	19.0	1.93	16.2
25-34	20.8	17.5	1.19	17.4
35-44	26.6	19.5	1.36	21.0
45-54	10.0	15.6	0.64	17.7
55-64	6.0	9.9	0.61	11.3
65+	.	18.4	.	16.4
<\$15,000	3.4	7.0	0.49	10.6
\$15,000-\$24,999	5.5	8.8	0.63	12.0
\$25,000-\$49,999	16.3	18.6	0.88	28.3
\$50,000-\$74,999	3.0	11.1	0.27	21.2
\$75,000-\$99,999	9.7	5.7	1.70	12.7
\$100,000+	2.8	5.4	0.52	15.2
Don't know	59.1	4.2	14.07	.
Refused	.	39.4	.	.
U.S. citizen	100.0	95.2	1.05	90.5
Foreign born	.	4.8	.	9.5
Non-metro resident	34.9	34.7	1.01	19.8
Metro area resident	65.1	65.3	1.00	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 23--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Sightseeing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population

Male	45.9	47.5	0.97	48.2
Female	54.1	52.5	1.03	51.8
White, non-Hispanic	82.4	80.1	1.03	71.3
Black, non-Hispanic	13.1	13.3	0.98	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hisp.	0.9	1.1	0.82	3.8
Hispanic	3.0	4.9	0.61	11.9
16-24	17.4	19.0	0.92	16.2
25-34	16.6	17.5	0.95	17.4
35-44	21.7	19.5	1.11	21.0
45-54	17.1	15.6	1.10	17.7
55-64	10.5	9.9	1.06	11.3
65+	16.8	18.4	0.91	16.4
<\$15,000	4.4	7.0	0.63	10.6
\$15,000-\$24,999	9.5	8.8	1.08	12.0
\$25,000-\$49,999	19.6	18.6	1.05	28.3
\$50,000-\$74,999	14.1	11.1	1.27	21.2
\$75,000-\$99,999	6.2	5.7	1.09	12.7
\$100,000+	6.1	5.4	1.13	15.2
Don't know	4.3	4.2	1.02	.
Refused	35.7	39.4	0.91	.
U.S. citizen	97.1	95.2	1.02	90.5
Foreign born	2.9	4.8	0.60	9.5
Non-metro resident	34.2	34.7	0.99	19.8
Metro area resident	65.8	65.3	1.01	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 24--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Driving For Pleasure

Demographic group	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	46.8	47.5	0.99
Female	53.2	52.5	1.01	51.8
White, non-Hispanic	86.6	80.1	1.08	71.3
Black, non-Hispanic	10.0	13.3	0.75	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hisp.	0.7	1.1	0.64	3.8
Hispanic	2.0	4.9	0.41	11.9
16-24	18.0	19.0	0.95	16.2
25-34	17.6	17.5	1.01	17.4
35-44	20.5	19.5	1.05	21.0
45-54	17.2	15.6	1.10	17.7
55-64	10.8	9.9	1.09	11.3
65+	15.9	18.4	0.86	16.4
<\$15,000	4.2	7.0	0.60	10.6
\$15,000-\$24,999	8.4	8.8	0.95	12.0
\$25,000-\$49,999	20.0	18.6	1.08	28.3
\$50,000-\$74,999	14.6	11.1	1.32	21.2
\$75,000-\$99,999	6.2	5.7	1.09	12.7
\$100,000+	6.1	5.4	1.13	15.2
Don't know	4.9	4.2	1.17	.
Refused	35.7	39.4	0.91	.
U. S. citizen	97.7	95.2	1.03	90.5
Foreign born	2.3	4.8	0.48	9.5
Non-metro resident	36.4	34.7	1.05	19.8
Metro area resident	63.6	65.3	0.97	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U. S.

population are also shown for comparison.

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Table 25--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Driving Off-road			Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	66.8	47.5	1.41	48.2
Female	33.2	52.5	0.63	51.8
White, non-Hispanic	86.4	80.1	1.08	71.3
Black, non-Hispanic	8.8	13.3	0.66	12.2
Amer. Indian, non-H	0.9	0.6	1.50	0.7
Asian/PI, non-Hispanic	1.7	1.1	1.55	3.8
Hispanic	2.2	4.9	0.45	11.9
16-24	29.5	19.0	1.55	16.2
25-34	27.6	17.5	1.58	17.4
35-44	18.3	19.5	0.94	21.0
45-54	11.8	15.6	0.76	17.7
55-64	6.1	9.9	0.62	11.3
65+	6.7	18.4	0.36	16.4
<\$15,000	3.5	7.0	0.50	10.6
\$15,000-\$24,999	8.7	8.8	0.99	12.0
\$25,000-\$49,999	19.1	18.6	1.03	28.3
\$50,000-\$74,999	11.4	11.1	1.03	21.2
\$75,000-\$99,999	5.8	5.7	1.02	12.7
\$100,000+	6.8	5.4	1.26	15.2
Don't know	5.2	4.2	1.24	.
Refused	39.4	39.4	1.00	.
U. S. citizen	95.9	95.2	1.01	90.5
Foreign born	4.1	4.8	0.85	9.5
Non-metro resident	46.1	34.7	1.33	19.8
Metro area resident	53.9	65.3	0.83	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

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Table 26--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Coldwater Fishing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	67.1	47.5	1.41
Female	32.9	52.5	0.63	51.8
White, non-Hispanic	91.8	80.1	1.15	71.3
Black, non-Hispanic	6.2	13.3	0.47	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hispanic	0.8	1.1	0.73	3.8
Hispanic	0.6	4.9	0.12	11.9
16-24	29.2	19.0	1.54	16.2
25-34	19.3	17.5	1.10	17.4
35-44	21.2	19.5	1.09	21.0
45-54	14.1	15.6	0.90	17.7
55-64	9.3	9.9	0.94	11.3
65+	6.7	18.4	0.36	16.4
<\$15,000	5.0	7.0	0.71	10.6
\$15,000-\$24,999	11.1	8.8	1.26	12.0
\$25,000-\$49,999	18.6	18.6	1.00	28.3
\$50,000-\$74,999	11.4	11.1	1.03	21.2
\$75,000-\$99,999	7.3	5.7	1.28	12.7
\$100,000+	7.4	5.4	1.37	15.2
Don't know	4.8	4.2	1.14	.
Refused	34.3	39.4	0.87	.
U.S. citizen	100.0	95.2	1.05	90.5
Foreign born	.	4.8	.	9.5
Non-metro resident	46.8	34.7	1.35	19.8
Metro area resident	53.2	65.3	0.81	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

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Table 27--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Warmwater Fishing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	65.0	47.5	1.37	48.2
Female	35.0	52.5	0.67	51.8
White, non-Hispanic	91.1	80.1	1.14	71.3
Black, non-Hispanic	5.5	13.3	0.41	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hisp.	1.3	1.1	1.18	3.8
Hispanic	1.5	4.9	0.31	11.9
16-24	27.3	19.0	1.44	16.2
25-34	18.5	17.5	1.06	17.4
35-44	21.2	19.5	1.09	21.0
45-54	16.7	15.6	1.07	17.7
55-64	7.3	9.9	0.74	11.3
65+	9.1	18.4	0.49	16.4
<\$15,000	4.7	7.0	0.67	10.6
\$15,000-\$24,999	8.1	8.8	0.92	12.0
\$25,000-\$49,999	17.6	18.6	0.95	28.3
\$50,000-\$74,999	11.7	11.1	1.05	21.2
\$75,000-\$99,999	7.7	5.7	1.35	12.7
\$100,000+	6.3	5.4	1.17	15.2
Don't know	5.6	4.2	1.33	.
Refused	38.4	39.4	0.97	.
U.S. citizen	98.8	95.2	1.04	90.5
Foreign born	1.2	4.8	0.25	9.5

Non-metro resident	38.4	34.7	1.11	19.8
Metro area resident	61.6	65.3	0.94	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 28--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Saltwater Fishing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	65.1	47.5	1.37
Female	34.9	52.5	0.66	51.8
White, non-Hispanic	83.1	80.1	1.04	71.3
Black, non-Hispanic	9.6	13.3	0.72	12.2
Amer. Indian, non-H	1.1	0.6	1.83	0.7
Asian/PI, non-Hisp.	3.7	1.1	3.36	3.8
Hispanic	2.5	4.9	0.51	11.9
16-24	24.8	19.0	1.31	16.2
25-34	16.6	17.5	0.95	17.4
35-44	25.1	19.5	1.29	21.0
45-54	18.3	15.6	1.17	17.7
55-64	7.2	9.9	0.73	11.3
65+	8.0	18.4	0.43	16.4
<\$15,000	3.4	7.0	0.49	10.6
\$15,000-\$24,999	6.6	8.8	0.75	12.0
\$25,000-\$49,999	19.9	18.6	1.07	28.3
\$50,000-\$74,999	15.3	11.1	1.38	21.2

\$75, 000- \$99, 999	9. 0	5. 7	1. 58	12. 7
\$100, 000+	11. 9	5. 4	2. 20	15. 2
Don' t know	1. 2	4. 2	0. 29	.
Refused	32. 8	39. 4	0. 83	.

U. S. citizen	95. 4	95. 2	1. 00	90. 5
Foreign born	4. 6	4. 8	0. 96	9. 5

Non-metro resident	22. 0	34. 7	0. 63	19. 8
Metro area resident	78. 0	65. 3	1. 19	80. 2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i. e., the full Market Area sample). Percentages for the U. S.

population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 29--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Canoeing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	62. 6	47. 5	1. 32
Female	37. 4	52. 5	0. 71	51. 8

White, non-Hispanic	89. 0	80. 1	1. 11	71. 3
Black, non-Hispanic	9. 2	13. 3	0. 69	12. 2
Amer. Indian, non-H	0. 6	0. 6	1. 00	0. 7
Asian/PI, non-Hisp.	1. 2	1. 1	1. 09	3. 8
Hispanic	.	4. 9	.	11. 9

16-24	33. 3	19. 0	1. 75	16. 2
25-34	15. 9	17. 5	0. 91	17. 4
35-44	27. 0	19. 5	1. 38	21. 0

45-54	16.9	15.6	1.08	17.7
55-64	4.4	9.9	0.44	11.3
65+	2.5	18.4	0.14	16.4

<\$15,000	2.0	7.0	0.29	10.6
\$15,000-\$24,999	4.9	8.8	0.56	12.0
\$25,000-\$49,999	20.5	18.6	1.10	28.3
\$50,000-\$74,999	12.1	11.1	1.09	21.2
\$75,000-\$99,999	14.8	5.7	2.60	12.7
\$100,000+	13.8	5.4	2.56	15.2
Don't know	3.5	4.2	0.83	.
Refused	28.5	39.4	0.72	.

U.S. citizen	98.4	95.2	1.03	90.5
Foreign born	1.6	4.8	0.33	9.5

Non-metro resident	22.4	34.7	0.65	19.8
Metro area resident	77.6	65.3	1.19	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 30--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Kayaking			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	50.9	47.5	1.07
Female	49.1	52.5	0.94	51.8

White, non-Hispanic	87.7	80.1	1.09	71.3

Black, non-Hispanic	2.6	13.3	0.20	12.2
Amer. Indian, non-H	4.4	0.6	7.33	0.7
Asian/PI, non-Hispanic	5.3	1.1	4.82	3.8
Hispanic	.	4.9	.	11.9
16-24	29.4	19.0	1.55	16.2
25-34	33.6	17.5	1.92	17.4
35-44	11.3	19.5	0.58	21.0
45-54	17.7	15.6	1.13	17.7
55-64	5.7	9.9	0.58	11.3
65+	2.3	18.4	0.13	16.4
<\$15,000	4.7	7.0	0.67	10.6
\$15,000-\$24,999	10.8	8.8	1.23	12.0
\$25,000-\$49,999	15.8	18.6	0.85	28.3
\$50,000-\$74,999	19.6	11.1	1.77	21.2
\$75,000-\$99,999	7.5	5.7	1.32	12.7
\$100,000+	13.8	5.4	2.56	15.2
Don't know	4.8	4.2	1.14	.
Refused	23.0	39.4	0.58	.
U.S. citizen	100.0	95.2	1.05	90.5
Foreign born	.	4.8	.	9.5
Non-metro resident	24.3	34.7	0.70	19.8
Metro area resident	75.7	65.3	1.16	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 31--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Motorboating

% of % of all

Demographic group	participants in MARKET AREA	respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	53.9	47.5	1.13	48.2
Female	46.1	52.5	0.88	51.8
White, non-Hispanic	93.6	80.1	1.17	71.3
Black, non-Hispanic	3.4	13.3	0.26	12.2
Amer. Indian, non-H	0.3	0.6	0.50	0.7
Asian/PI, non-Hisp.	0.7	1.1	0.64	3.8
Hispanic	1.9	4.9	0.39	11.9
16-24	26.7	19.0	1.41	16.2
25-34	21.3	17.5	1.22	17.4
35-44	22.0	19.5	1.13	21.0
45-54	15.5	15.6	0.99	17.7
55-64	6.3	9.9	0.64	11.3
65+	8.2	18.4	0.45	16.4
<\$15,000	4.6	7.0	0.66	10.6
\$15,000-\$24,999	6.1	8.8	0.69	12.0
\$25,000-\$49,999	18.7	18.6	1.01	28.3
\$50,000-\$74,999	14.0	11.1	1.26	21.2
\$75,000-\$99,999	9.2	5.7	1.61	12.7
\$100,000+	9.7	5.4	1.80	15.2
Don't know	2.5	4.2	0.60	.
Refused	35.3	39.4	0.90	.
U. S. citizen	98.8	95.2	1.04	90.5
Foreign born	1.2	4.8	0.25	9.5
Non-metro resident	32.3	34.7	0.93	19.8
Metro area resident	67.7	65.3	1.04	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U. S. population are also shown for comparison.

NANTHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 32--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Waterskiing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	64.7	47.5	1.36
Female	35.3	52.5	0.67	51.8
White, non-Hispanic	91.2	80.1	1.14	71.3
Black, non-Hispanic	4.6	13.3	0.35	12.2
Amer. Indian, non-H	0.2	0.6	0.33	0.7
Asian/PI, non-Hisp.	3.5	1.1	3.18	3.8
Hispanic	0.4	4.9	0.08	11.9
16-24	44.5	19.0	2.34	16.2
25-34	22.7	17.5	1.30	17.4
35-44	20.4	19.5	1.05	21.0
45-54	11.9	15.6	0.76	17.7
55-64	0.4	9.9	0.04	11.3
65+	.	18.4	.	16.4
<\$15,000	2.5	7.0	0.36	10.6
\$15,000-\$24,999	7.6	8.8	0.86	12.0
\$25,000-\$49,999	12.2	18.6	0.66	28.3
\$50,000-\$74,999	11.4	11.1	1.03	21.2
\$75,000-\$99,999	11.6	5.7	2.04	12.7
\$100,000+	11.6	5.4	2.15	15.2
Don't know	3.3	4.2	0.79	.
Refused	39.8	39.4	1.01	.
U.S. citizen	97.4	95.2	1.02	90.5
Foreign born	2.6	4.8	0.54	9.5
Non-metro resident	30.4	34.7	0.88	19.8
Metro area resident	69.6	65.3	1.07	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 33--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Rafting			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	53.2	47.5	1.12
Female	46.8	52.5	0.89	51.8
White, non-Hispanic	95.4	80.1	1.19	71.3
Black, non-Hispanic	1.8	13.3	0.14	12.2
Amer. Indian, non-H	0.2	0.6	0.33	0.7
Asian/PI, non-Hisp.	1.7	1.1	1.55	3.8
Hispanic	0.9	4.9	0.18	11.9
16-24	41.2	19.0	2.17	16.2
25-34	18.9	17.5	1.08	17.4
35-44	19.6	19.5	1.01	21.0
45-54	15.8	15.6	1.01	17.7
55-64	2.6	9.9	0.26	11.3
65+	1.7	18.4	0.09	16.4
<\$15,000	1.6	7.0	0.23	10.6
\$15,000-\$24,999	9.3	8.8	1.06	12.0
\$25,000-\$49,999	16.1	18.6	0.87	28.3
\$50,000-\$74,999	14.0	11.1	1.26	21.2
\$75,000-\$99,999	11.3	5.7	1.98	12.7
\$100,000+	8.2	5.4	1.52	15.2
Don't know	6.3	4.2	1.50	.
Refused	33.1	39.4	0.84	.
U.S. citizen	100.0	95.2	1.05	90.5
Foreign born	.	4.8	.	9.5
Non-metro resident	33.4	34.7	0.96	19.8
Metro area resident	66.6	65.3	1.02	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 34--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Swimming in Natural Water			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	51.5	47.5	1.08
Female	48.5	52.5	0.92	51.8
White, non-Hispanic	87.4	80.1	1.09	71.3
Black, non-Hispanic	8.2	13.3	0.62	12.2
Amer. Indian, non-H	0.7	0.6	1.17	0.7
Asian/PI, non-Hisp.	1.0	1.1	0.91	3.8
Hispanic	2.7	4.9	0.55	11.9
16-24	27.8	19.0	1.46	16.2
25-34	21.7	17.5	1.24	17.4
35-44	23.3	19.5	1.19	21.0
45-54	15.4	15.6	0.99	17.7
55-64	5.6	9.9	0.57	11.3
65+	6.2	18.4	0.34	16.4
<\$15,000	4.7	7.0	0.67	10.6
\$15,000-\$24,999	7.8	8.8	0.89	12.0
\$25,000-\$49,999	18.9	18.6	1.02	28.3
\$50,000-\$74,999	13.9	11.1	1.25	21.2
\$75,000-\$99,999	9.6	5.7	1.68	12.7
\$100,000+	8.1	5.4	1.50	15.2
Don't know	3.8	4.2	0.90	.
Refused	33.3	39.4	0.85	.
U.S. citizen	97.1	95.2	1.02	90.5
Foreign born	2.9	4.8	0.60	9.5
Non-metro resident	30.8	34.7	0.89	19.8
Metro area resident	69.2	65.3	1.06	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 35--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Visit a Beach			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	48.2	47.5	1.01
Female	51.8	52.5	0.99	51.8
White, non-Hispanic	79.1	80.1	0.99	71.3
Black, non-Hispanic	14.4	13.3	1.08	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hisp.	1.3	1.1	1.18	3.8
Hispanic	4.7	4.9	0.96	11.9
16-24	22.3	19.0	1.17	16.2
25-34	20.4	17.5	1.17	17.4
35-44	22.0	19.5	1.13	21.0
45-54	18.4	15.6	1.18	17.7
55-64	7.1	9.9	0.72	11.3
65+	9.8	18.4	0.53	16.4
<\$15,000	3.5	7.0	0.50	10.6
\$15,000-\$24,999	7.7	8.8	0.88	12.0
\$25,000-\$49,999	20.6	18.6	1.11	28.3
\$50,000-\$74,999	13.8	11.1	1.24	21.2
\$75,000-\$99,999	9.3	5.7	1.63	12.7
\$100,000+	8.6	5.4	1.59	15.2
Don't know	3.7	4.2	0.88	.

Refused	32.9	39.4	0.84	.
U.S. citizen	95.2	95.2	1.00	90.5
Foreign born	4.8	4.8	1.00	9.5
Non-metro resident	25.2	34.7	0.73	19.8
Metro area resident	74.8	65.3	1.15	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U.S.

population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 36--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	Visit Waterside Besides a Beach			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	53.9	47.5	1.13
Female	46.1	52.5	0.88	51.8
White, non-Hispanic	86.8	80.1	1.08	71.3
Black, non-Hispanic	8.9	13.3	0.67	12.2
Amer. Indian, non-H	0.4	0.6	0.67	0.7
Asian/PI, non-Hispanic	1.7	1.1	1.55	3.8
Hispanic	2.2	4.9	0.45	11.9
16-24	26.9	19.0	1.42	16.2
25-34	19.6	17.5	1.12	17.4
35-44	24.1	19.5	1.24	21.0
45-54	16.8	15.6	1.08	17.7
55-64	5.0	9.9	0.51	11.3
65+	7.7	18.4	0.42	16.4

<\$15,000	3.5	7.0	0.50	10.6
\$15,000-\$24,999	8.1	8.8	0.92	12.0
\$25,000-\$49,999	19.2	18.6	1.03	28.3
\$50,000-\$74,999	12.0	11.1	1.08	21.2
\$75,000-\$99,999	9.3	5.7	1.63	12.7
\$100,000+	8.3	5.4	1.54	15.2
Don't know	3.9	4.2	0.93	.
Refused	35.7	39.4	0.91	.
U.S. citizen	97.2	95.2	1.02	90.5
Foreign born	2.8	4.8	0.58	9.5
Non-metro resident	30.4	34.7	0.88	19.8
Metro area resident	69.6	65.3	1.07	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 37--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	View/photograph Birds			Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
	Male	41.1	47.5	
Female	58.9	52.5	1.12	51.8
White, non-Hispanic	84.9	80.1	1.06	71.3
Black, non-Hispanic	9.8	13.3	0.74	12.2
Amer. Indian, non-H	0.7	0.6	1.17	0.7
Asian/PI, non-Hispanic	0.6	1.1	0.55	3.8

Hispanic	4.0	4.9	0.82	11.9
16-24	15.0	19.0	0.79	16.2
25-34	14.1	17.5	0.81	17.4
35-44	18.6	19.5	0.95	21.0
45-54	17.7	15.6	1.13	17.7
55-64	12.1	9.9	1.22	11.3
65+	22.5	18.4	1.22	16.4
<\$15,000	5.0	7.0	0.71	10.6
\$15,000-\$24,999	7.6	8.8	0.86	12.0
\$25,000-\$49,999	19.7	18.6	1.06	28.3
\$50,000-\$74,999	11.5	11.1	1.04	21.2
\$75,000-\$99,999	6.9	5.7	1.21	12.7
\$100,000+	7.1	5.4	1.31	15.2
Don't know	2.6	4.2	0.62	.
Refused	39.7	39.4	1.01	.
U.S. citizen	96.5	95.2	1.01	90.5
Foreign born	3.5	4.8	0.73	9.5
Non-metro resident	31.3	34.7	0.90	19.8
Metro area resident	68.7	65.3	1.05	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 38--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	View/photograph Fish		Ratio (1)/(2)	Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA		

Male	52.6	47.5	1.11	48.2
Female	47.4	52.5	0.90	51.8

White, non-Hispanic	86.1	80.1	1.07	71.3
Black, non-Hispanic	9.2	13.3	0.69	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hispanic	1.2	1.1	1.09	3.8
Hispanic	2.9	4.9	0.59	11.9

16-24	16.8	19.0	0.88	16.2
25-34	17.9	17.5	1.02	17.4
35-44	26.9	19.5	1.38	21.0
45-54	17.8	15.6	1.14	17.7
55-64	11.1	9.9	1.12	11.3
65+	9.5	18.4	0.52	16.4

<\$15,000	4.6	7.0	0.66	10.6
\$15,000-\$24,999	8.4	8.8	0.95	12.0
\$25,000-\$49,999	22.6	18.6	1.22	28.3
\$50,000-\$74,999	13.5	11.1	1.22	21.2
\$75,000-\$99,999	9.6	5.7	1.68	12.7
\$100,000+	7.6	5.4	1.41	15.2
Don't know	1.9	4.2	0.45	.
Refused	31.7	39.4	0.80	.

U.S. citizen	96.5	95.2	1.01	90.5
Foreign born	3.5	4.8	0.73	9.5

Non-metro resident	32.9	34.7	0.95	19.8
Metro area resident	67.1	65.3	1.03	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 39--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

View/photograph Other Wildlife

Demographic group	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	47.4	47.5	1.00
Female	52.6	52.5	1.00	51.8
White, non-Hispanic	85.8	80.1	1.07	71.3
Black, non-Hispanic	9.4	13.3	0.71	12.2
Amer. Indian, non-H	0.9	0.6	1.50	0.7
Asian/PI, non-Hisp.	1.1	1.1	1.00	3.8
Hispanic	2.8	4.9	0.57	11.9
16-24	20.4	19.0	1.07	16.2
25-34	17.3	17.5	0.99	17.4
35-44	20.7	19.5	1.06	21.0
45-54	17.4	15.6	1.12	17.7
55-64	10.4	9.9	1.05	11.3
65+	13.8	18.4	0.75	16.4
<\$15,000	6.1	7.0	0.87	10.6
\$15,000-\$24,999	8.1	8.8	0.92	12.0
\$25,000-\$49,999	21.8	18.6	1.17	28.3
\$50,000-\$74,999	11.3	11.1	1.02	21.2
\$75,000-\$99,999	7.8	5.7	1.37	12.7
\$100,000+	6.9	5.4	1.28	15.2
Don't know	2.5	4.2	0.60	.
Refused	35.5	39.4	0.90	.
U. S. citizen	97.1	95.2	1.02	90.5
Foreign born	2.9	4.8	0.60	9.5
Non-metro resident	34.9	34.7	1.01	19.8
Metro area resident	65.1	65.3	1.00	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates

that the proportion of people in a given demographic strata is larger for participants than it

is for the population in general (i.e., the full Market Area sample). Percentages for the U. S.

population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 40--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

View/photograph Wildflowers-Trees-etc.

Demographic group	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	41.2	47.5	0.87	48.2
Female	58.8	52.5	1.12	51.8
White, non-Hispanic	82.4	80.1	1.03	71.3
Black, non-Hispanic	11.2	13.3	0.84	12.2
Amer. Indian, non-H	0.8	0.6	1.33	0.7
Asian/PI, non-Hispanic	1.3	1.1	1.18	3.8
Hispanic	4.3	4.9	0.88	11.9
16-24	17.9	19.0	0.94	16.2
25-34	15.2	17.5	0.87	17.4
35-44	21.8	19.5	1.12	21.0
45-54	18.3	15.6	1.17	17.7
55-64	11.1	9.9	1.12	11.3
65+	15.8	18.4	0.86	16.4
<\$15,000	5.6	7.0	0.80	10.6
\$15,000-\$24,999	9.3	8.8	1.06	12.0
\$25,000-\$49,999	21.1	18.6	1.13	28.3
\$50,000-\$74,999	10.5	11.1	0.95	21.2
\$75,000-\$99,999	7.5	5.7	1.32	12.7
\$100,000+	6.5	5.4	1.20	15.2
Don't know	2.9	4.2	0.69	.
Refused	36.6	39.4	0.93	.
U. S. citizen	96.4	95.2	1.01	90.5
Foreign born	3.6	4.8	0.75	9.5
Non-metro resident	33.3	34.7	0.96	19.8
Metro area resident	66.7	65.3	1.02	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS

Table 41--Comparison of demographic composition of activity participants to all NSRE 2000-2001 respondents

Demographic group	View/photograph Natural Scenery		Ratio (1)/(2)	Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA		
Male	47.3	47.5	1.00	48.2
Female	52.7	52.5	1.00	51.8
White, non-Hispanic	83.5	80.1	1.04	71.3
Black, non-Hispanic	10.8	13.3	0.81	12.2
Amer. Indian, non-H	0.6	0.6	1.00	0.7
Asian/PI, non-Hisp.	1.2	1.1	1.09	3.8
Hispanic	3.8	4.9	0.78	11.9
16-24	18.0	19.0	0.95	16.2
25-34	17.5	17.5	1.00	17.4
35-44	20.9	19.5	1.07	21.0
45-54	17.5	15.6	1.12	17.7
55-64	10.5	9.9	1.06	11.3
65+	15.5	18.4	0.84	16.4
<\$15,000	5.6	7.0	0.80	10.6
\$15,000-\$24,999	7.7	8.8	0.88	12.0
\$25,000-\$49,999	21.7	18.6	1.17	28.3
\$50,000-\$74,999	12.3	11.1	1.11	21.2
\$75,000-\$99,999	7.7	5.7	1.35	12.7
\$100,000+	6.5	5.4	1.20	15.2
Don't know	2.2	4.2	0.52	.
Refused	36.4	39.4	0.92	.
U. S. citizen	95.8	95.2	1.01	90.5
Foreign born	4.2	4.8	0.88	9.5
Non-metro resident	32.5	34.7	0.94	19.8
Metro area resident	67.5	65.3	1.03	80.2

Source: NSRE 2000-2001

Column percents sum to 100 within each demographic group. A ratio larger than 1.0 indicates that the proportion of people in a given demographic strata is larger for participants than it is for the population in general (i.e., the full Market Area sample). Percentages for the U.S. population are also shown for comparison.

Appendix IV

IV: LOCAL OUTDOOR RECREATION SUPPLIERS

Table 1--Amount of selected recreation resource acreages or facility counts in Market Area and Region 8

NANTAHALA, PISGAH, & CHEROKEE NATIONAL FORESTS			
Amount per million pop., Recreation Resource REGION-8	Amount of resource in MARKET AREA	Amount per million pop., MARKET AREA	Amount of resource in REGION 8
NPS gross acres 60,809.1	768,123	64,350.8	5,411,892
COE Project total land and water acres 63,302.1	321,985	26,974.8	5,633,764
FWS refuge acres open for recreation 40,388.3	0	0.0	3,594,475
TVA recreation area acres 283.9	10,549	883.8	25,267
TVA undeveloped acres 4,661.6	130,336	10,919.1	414,876
Wild & Scenic River miles: Total 1992 5.0	133	11.1	446
NRI Total river miles, outstanding value 261.0	4,069	340.9	23,226
State Park acres 17,654.5	226,240	18,953.6	1,571,214
WOODALLS # public campgrounds 3.5	34	2.8	310
WOODALLS # public campground sites 290.5	3,166	265.2	25,853
WOODALLS # private campgrounds 20.8	267	22.4	1,852
WOODALLS # private campground sites 2,495.0	24,772	2,075.3	222,054
NRI acres private forest land 32.4	23,398,200	52.6	173,078,600
NPLOS acres leased to inds. or groups 380,983.3	1,483,419	124,275.9	33,906,753
NPLOS acres open to general public 340,031.3	2,683,426	224,808.6	30,262,101
ABI # hunting & fishing preserves 2.2	15	1.3	192
ABI # fish camps 2.3	2	0.2	202
ABI # organized camps 19.3	297	24.9	1,722
ABI # private fishing lakes 0.3	3	0.3	24
ABI # boat rental firms 23.1	62	5.2	2,054
ABI # canoe trip outfitters 0.2	1	0.1	19

ABI # canoe rental firms	12	1.0	73
0.8			
ABI # public fishing lakes	34	2.8	95
1.1			
ABI # guides services	13	1.1	361
4.1			
ABI # sightseeing tours	55	4.6	603
6.8			
ABI # fishing lakes and ponds	7	0.6	76
0.9			
ABI # raft trip firms	19	1.6	29
0.3			

NRI acres private land forest is percent of total area, NOT number per million pop.

Source: USDA-FS: National Outdoor Recreation Supply Information System, 1997.

IV: LOCAL OUTDOOR RECREATION SUPPLIERS

Table 2--Description of recreation resource abbreviations

Resource

NPS = U. S. Department of the Interior, National Park Service

COE = U. S. Army Corps of Engineers

FWS = U. S. Department of the Interior, Fish and Wildlife Service

TVA = Tennessee Valley Authority

NRI (total river miles) = 1993 Nationwide Rivers Inventory administered by the National Park Service.

WOODALLS = Woodall Publications. Ventura, CA. Publisher of "Woodall's Campground Directory". 1996.

NRI (private forest land) = 1992 National Resources Inventory, USDA-Natural Resources Conservation Serv.

NPLOS = 1995 National Private Land Owners Survey. USDA Forest Service. Southern Research Station.

ABI = American Business Information, Inc. Omaha, NE. Database of yellow-page telephone directories.

Source: USDA-FS: National Outdoor Recreation Supply Information System, 1997.