

# Frances Marion National Forest



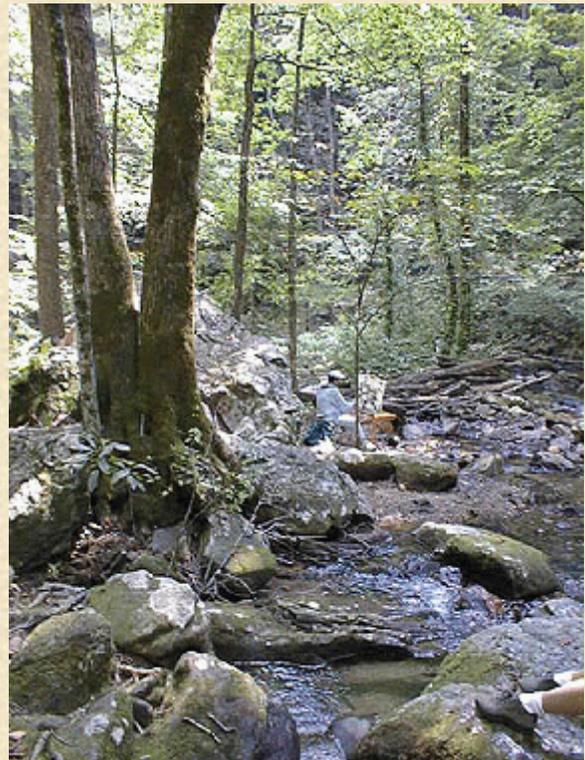
## Recreation Realignment Report

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# Recreation Realignment Analysis<sup>1</sup>

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 provides a reasonable basis for guiding realignment decisions, the market area assumption does not

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<sup>1</sup> For clarification or further assistance, contact Ken Cordell at [kcordell@fs.fed.us](mailto:kcordell@fs.fed.us) or call 706-559-4263.

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 Region<sup>2</sup>**

- < 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

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<sup>2</sup> 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.

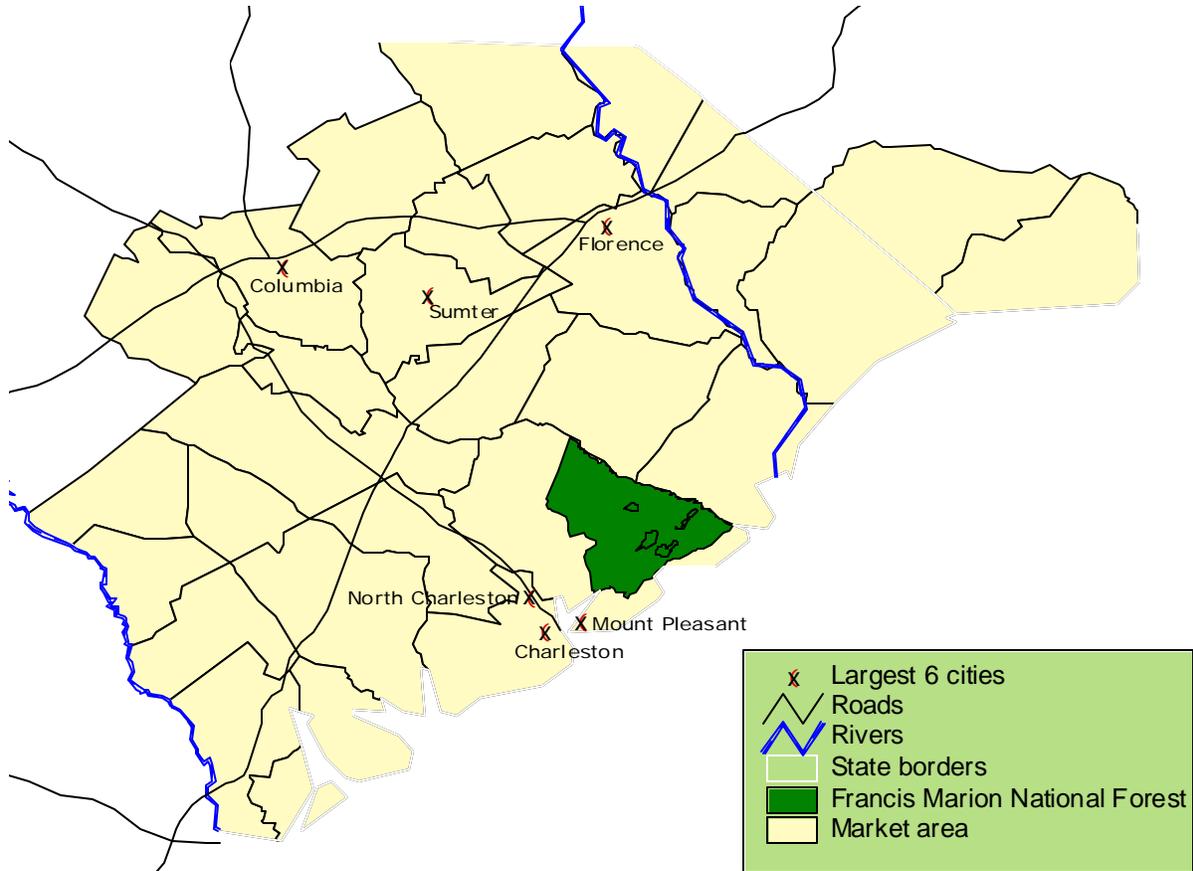
developed. They provide camping, picnicking, swimming, fishing, nature interpretation, and scenery.

- < 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**

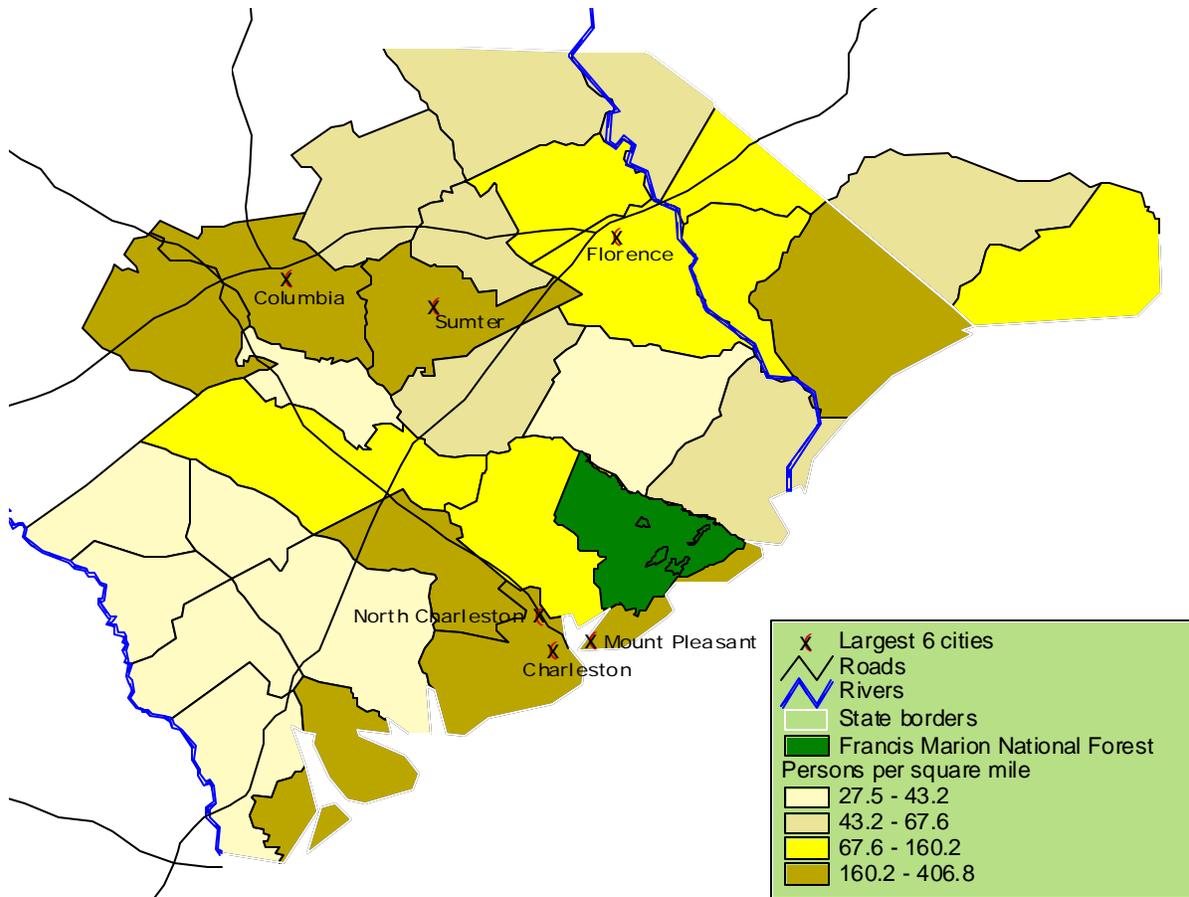
### **Step 1.1 -- The Market Area Defined**



< Through out 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 Francis Marion National Forest is shown above.

## Step 1. – Population Analysis

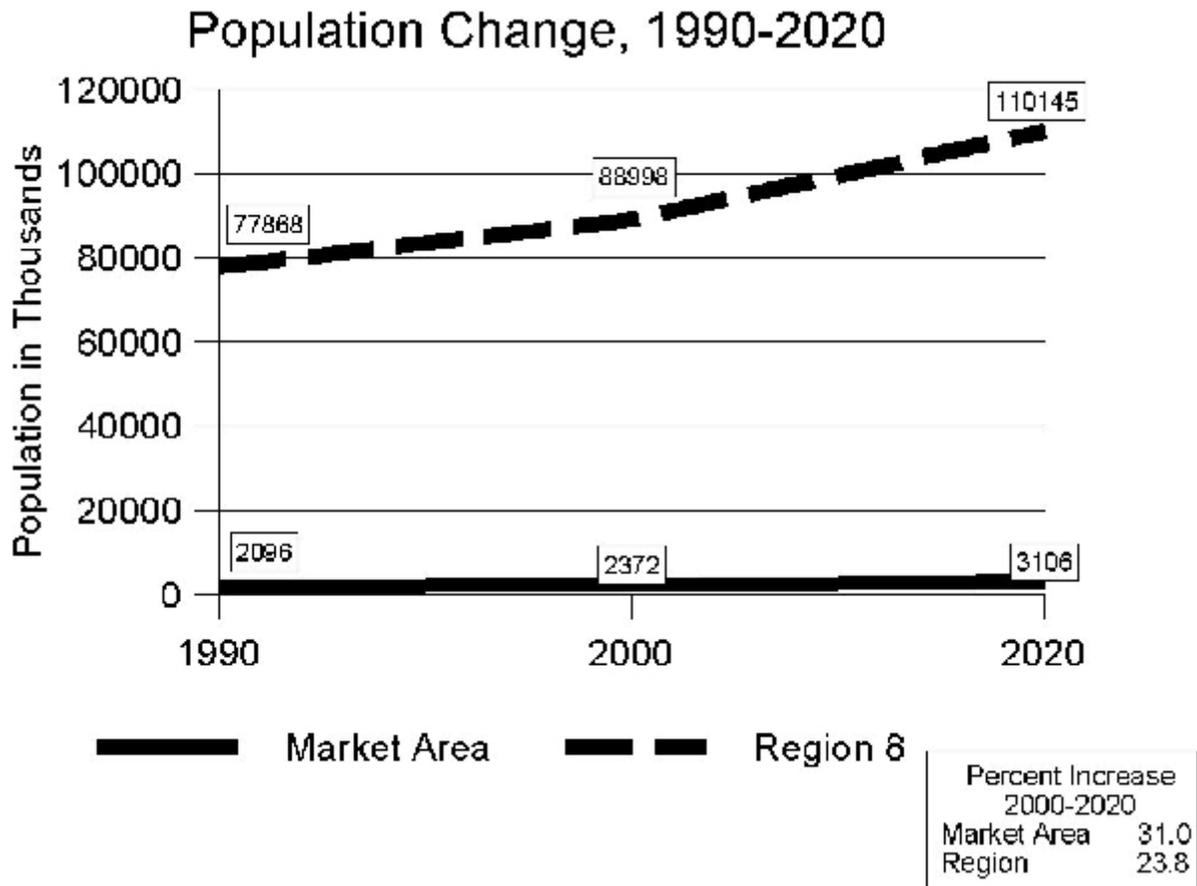
### Step 1.2 -- Persons Per Square Mile by County in Market Area



- < 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 (160.2-406.8 persons per square mile).
- < Its clear that many of the more dense counties in this market area occur along the Interstate 26 and Interstate 20 corridors and in the coastal counties.
- < 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 2,371,900 persons in your market area.
- < As you can see from the inset box, this market area has much higher expected growth than the region as a whole. As such, you can probably expect greater pressure from recreation on your Forest than on 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) Brunswick, NC	83.7	1) Williamsburg, SC	7.1
2) Lexington, SC	70.2	2) Hampton, SC	7.0
3) Horry, SC	59.6	3) Bamberg, SC	5.4
4) Dorchester, SC	54.8	4) Dillon, SC	2.5
5) Berkeley, SC	47.6	5) Marlboro, SC	-7.7

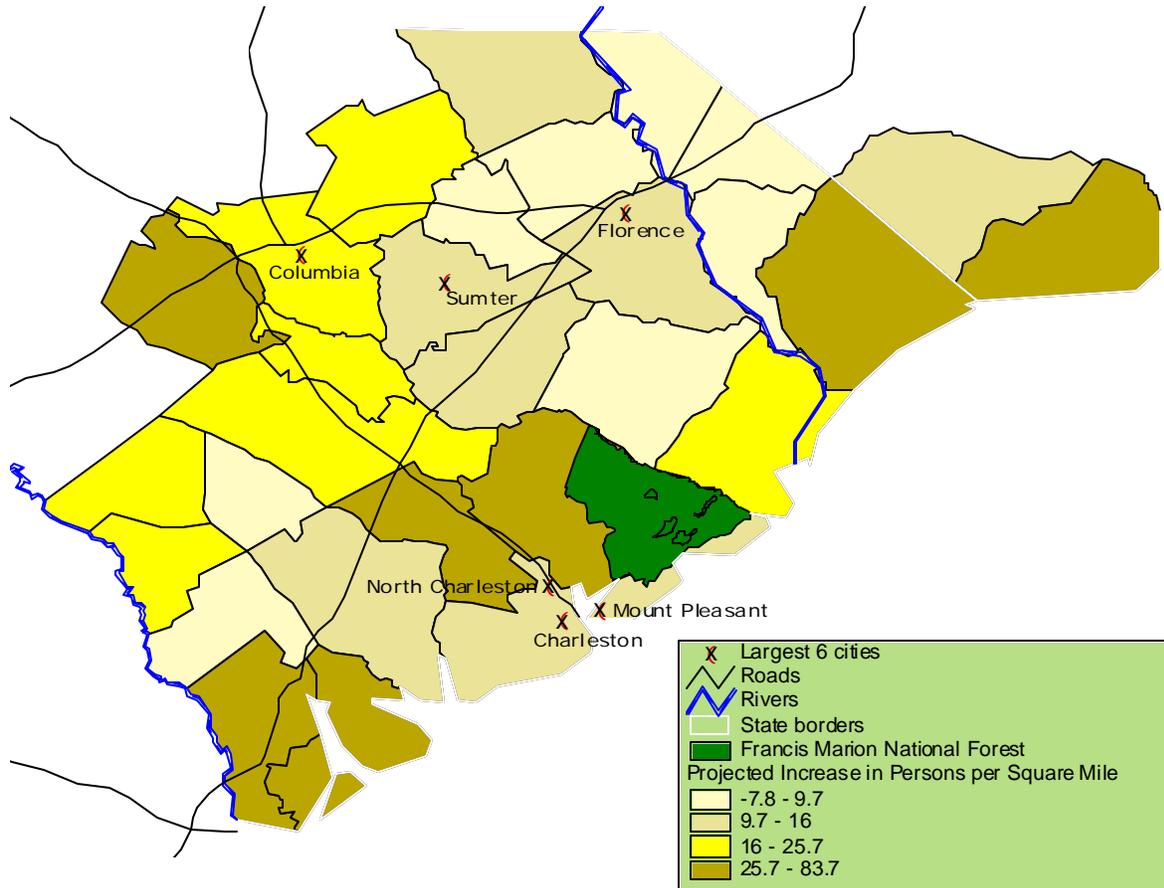
- < The table above lists the 5 fastest and 5 slowest growing counties in your market area. For a complete list of all counties by population growth, see Appendix I, Table 1 “Overview of Market Area”.
- < **Exercise:** Using the box below, list all the counties which are adjacent to your management area. 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 for 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	83.5	1.53
Family gathering	70.7	1.29
View/photograph natural scenery	53.7	0.98
Visit nature centers, nature, museums, etc	52.6	0.96
Visit historic sites	49.1	0.90
Picnicking	45.9	0.84
Sightseeing	45.8	0.84
Driving for pleasure	45.6	0.83
Bicycling	43.0	0.79
Boating	37.0	0.68
Motorboating	26.3	0.48

(Source: Table II, 3a)

< **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 III 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
Swimming in streams, lakes, ponds, or the ocean	47.2	0.86
View wildlife	40.9	0.75
View or photograph wildflowers, trees, or other natural vegetation	36.7	0.67
View birds	28.6	0.52
View or photograph fish	28.5	0.52
Warmwater fishing	28.5	0.52
Visit waterside besides beach	28.3	0.52
Gather mushrooms, berries, and other non-timber products	25.2	0.46
Visit a wilderness or other primitive, roadless area	25.1	0.46
Mountain biking	21.4	0.39
Drive off-road	17.5	0.32
Developed camping	14.0	0.26
Day hiking	13.9	0.25
Small game hunting	10.8	0.20
Big game hunting	8.6	0.16
Primitive camping	6.9	0.13
Backpacking	6.1	0.11
Horseback riding	5.7	0.10

Horseback riding on trails	5.0	0.09
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**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
Saltwater fishing	18.9	0.35
Visit archeological sites	17.3	0.32
Waterskiing	9.2	0.17
Rafting	8.3	0.15
Coldwater fishing	7.9	0.14
Snorkeling or scuba diving	4.9	0.09
Canoeing	4.2	0.08
Kayaking	4.1	0.07
Migratory bird hunting	3.2	0.06

### **Step 3. – Analysis of Fastest Growing Outdoor Recreation Activities**

(Source: Table III, 3e)

Activity	Absolute change (Millions), 1995 to 2001	Percent change in number of participants, 1995 to 2001
Backpacking	0.06	103.3
View or photograph fish	0.21	53.2
Horseback riding on trails	0.03	47.1
View wildlife	0.25	39.6
Big game hunting	0.04	21.1
Swimming in streams, lakes, ponds, or the ocean	0.16	13.5
Developed camping	0.05	12.0
View birds	0.08	10.9
Horseback riding	0.01	5.6
Small game hunting	0.02	0.0
Drive off-road	0.02	-0.6
Day hiking	0.00	-6.7
Warmwater fishing	0.00	-7.8
Primitive camping	-0.01	-15.9

- < 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**

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#### **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.

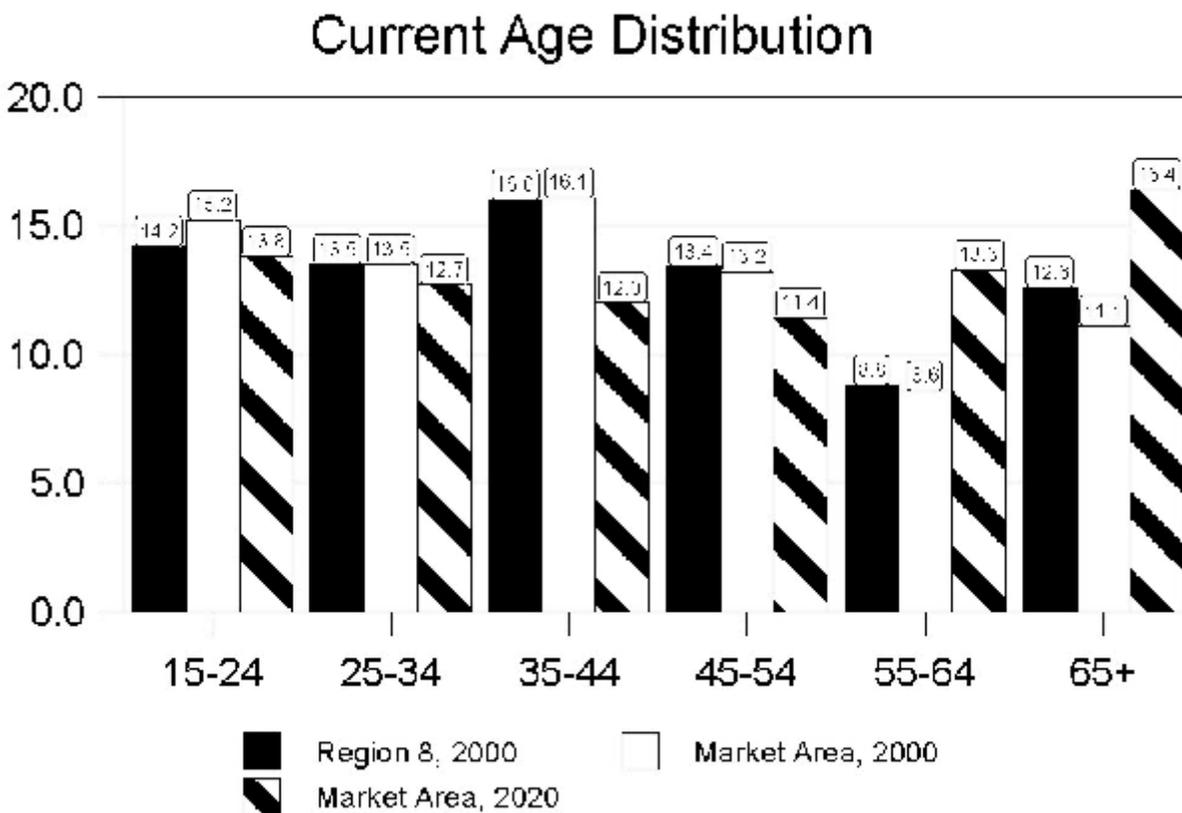
#### **Step 4.1 – Age**

(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 avored 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. Horseback riding on trails 2. Backpacking 3. Horseback riding	15.2
25-34	1. Big game hunting 2. Primitive camping 3. Drive off-road	13.5
35-44	1. Developed camping 2. Day hiking 3. View or photograph fish	16.1
45-54	1. Horseback riding 2. View or photograph fish 3. Warmwater fishing	13.2
55-64	1. Small game hunting 2. View or photograph wildflowers, trees, or other natural vegetation 3. Mountain biking	8.6
65+	1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View or photograph fish	11.1

**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	67.7	18.8	1,865.6	14.7
25-34	75.9	23.7	2,460.7	20.5
35-44	-11.0	-2.9	-708.3	-5.0
45-54	39.5	12.6	826.0	6.9
55-64	209.8	102.5	6,339.3	80.6
65 & older	244.7	92.9	7,363.5	65.4

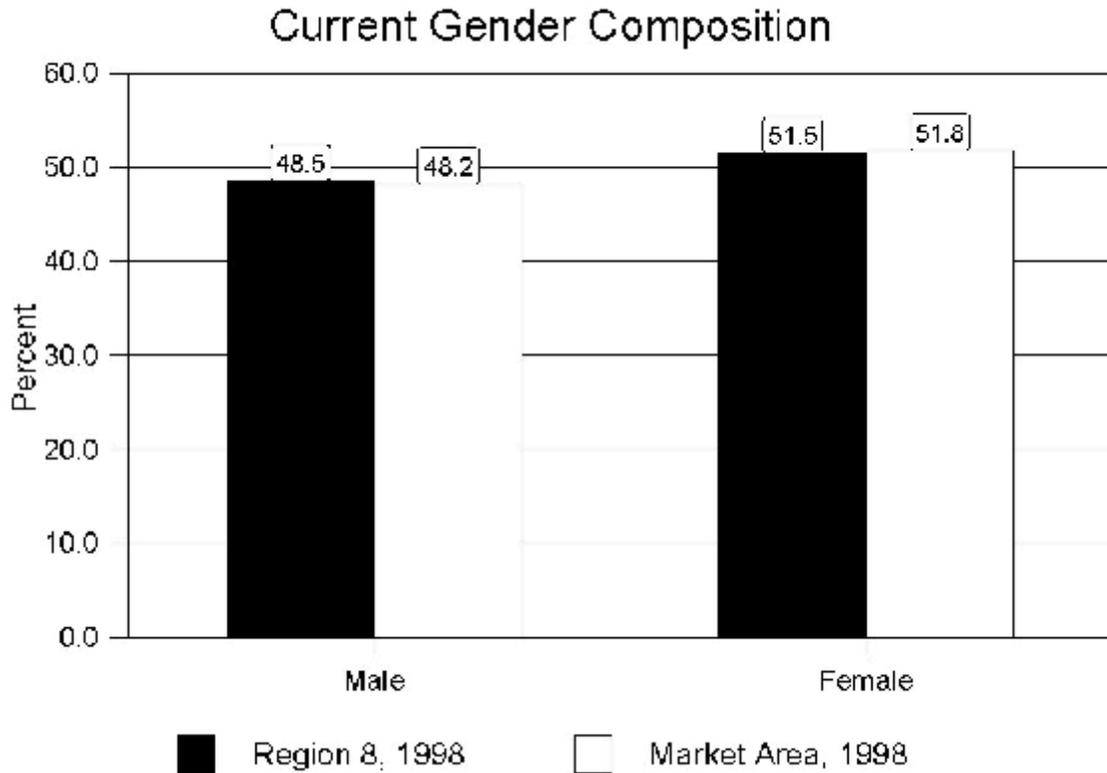
- < In the future, the population of the United States is expected to age. The median age in the United States has risen steadily since the 1800s in part due to increases in medical technology and hygiene, and rising real income. In 1850, the median age was 18.9 years, in 1990 it was 32.8. By 2020, the 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"><li>1. View birds</li><li>2. View or photograph wildflowers, trees, or other natural vegetation</li><li>3. View or photograph fish</li></ol>
55-64	<ol style="list-style-type: none"><li>1. Small game hunting</li><li>2. View or photograph wildflowers, trees, or other natural vegetation</li><li>3. Mountain biking</li></ol>
25-34	<ol style="list-style-type: none"><li>1. Big game hunting</li><li>2. Primitive camping</li><li>3. Drive off-road</li></ol>

## Step 4.2 – Gender



(Source: Table II. 8)

### Step 4.2.a – Current Gender Composition

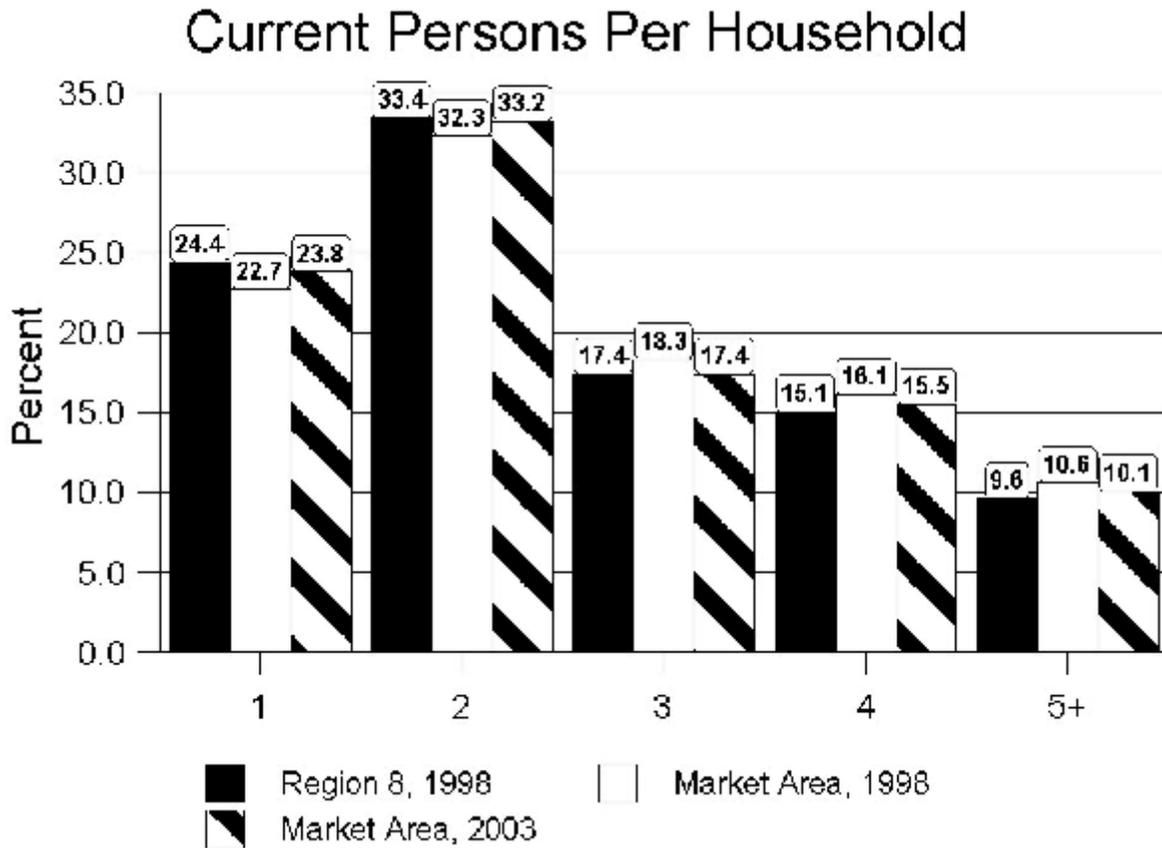
- < Gender is highly important as well as a determinant of the activities people chose. Women prefer some activities in much higher numbers than men. Thus the gender distribution and different preferences of men and women are important considerations in supplying outdoor recreation programs to serve 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"> <li>1. View birds</li> <li>2. Horseback riding</li> <li>3. View or photograph wildflowers, trees, or other natural vegetation</li> <li>4. Horseback riding on trails</li> <li>5. Gather mushrooms, berries, and other non-timber products</li> </ol>	48.2
Male	<ol style="list-style-type: none"> <li>1. Small game hunting</li> <li>2. Big game hunting</li> <li>3. Backpacking</li> <li>4. Primitive camping</li> <li>5. Mountain biking</li> </ol>	51.8

< 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. Small game hunting 2. Mountain biking 3. Gather mushrooms, berries, and other non-timber products	22.7
2 person household	1. Backpacking 2. View or photograph wildflowers, trees, or other natural vegetation 3. Day hiking	32.3
3 persons household	1. Primitive camping 2. Gather mushrooms, berries, and other non-timber products 3. Big game hunting	18.3
4 person household	1. Horseback riding on trails 2. Horseback riding 3. Big game hunting	16.1
5 or more	1. Visit waterside besides beach 2. Developed camping 3. Horseback riding	10.6

**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 (1000's), 1998-2003	Percent change, 1998-2003	Absolute change (1000's), 1998-2003	Percent change, 1998-2003
1 person	18.7	10.0	961.5	12.1
2 person	20.8	7.9	1080.5	9.9
3 person	0.5	0.3	174.2	3.1
4 person	2.3	1.7	241.4	4.8

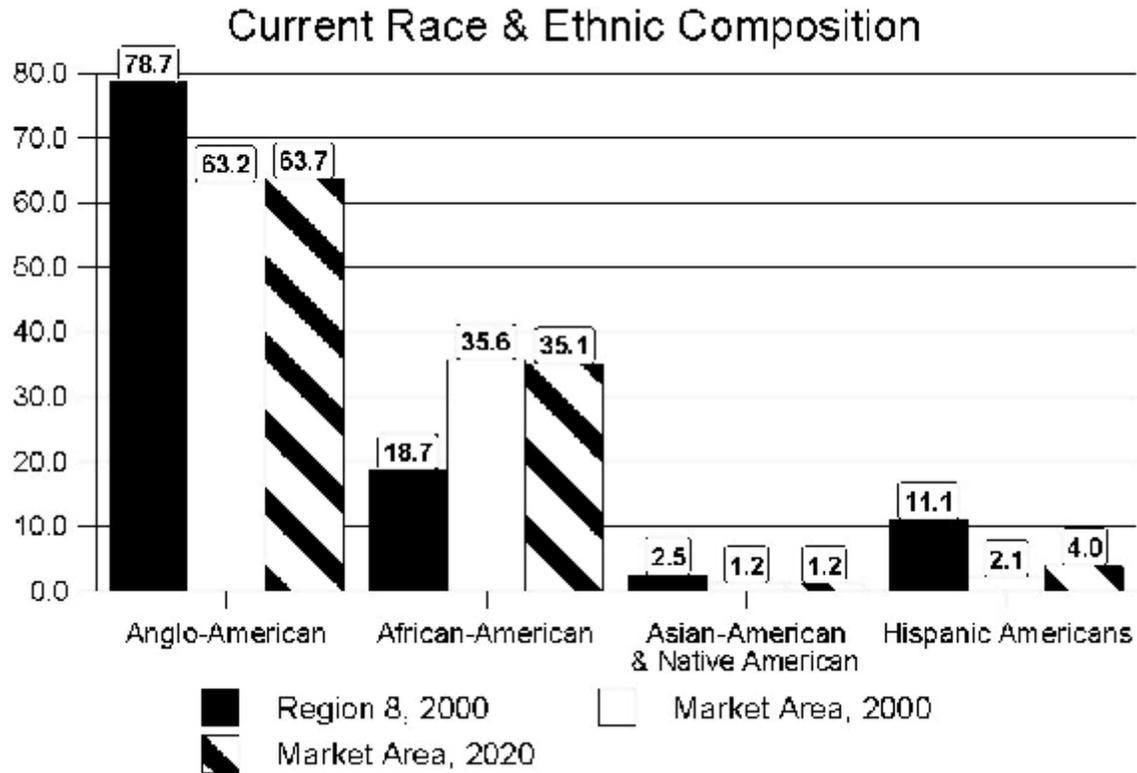
5 persons or more	0.4	0.5	134.0	4.3
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- < In the future in the United States the population will continue to age and young people are expected to continue to delay marriage until their mid- and late- 20s. As these trends “mature” in the future, there 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"> <li>1. Backpacking</li> <li>2. View or photograph wildflowers, trees, or other natural vegetation</li> <li>3. Day hiking</li> </ol>
2 <sup>nd</sup> Highest growth	<ol style="list-style-type: none"> <li>1. Small game hunting</li> <li>2. Mountain biking</li> <li>3. Gather mushrooms, berries, and other non-timber products</li> </ol>
3 <sup>rd</sup> Highest growth	<ol style="list-style-type: none"> <li>1. Horseback riding on trails</li> <li>2. Horseback riding</li> <li>3. Big game hunting</li> </ol>

**Step 4.4 – Race & Ethnicity**



(Source: Table II. 4c-f)

**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. Backpacking	63.2
African American	1. Mountain biking 2. Small game hunting 3. View or photograph fish	35.6
Asian Americans/ American Indians	1. Horseback riding on trails 2. Gather mushrooms, berries, and other non-timber products 3. Horseback riding	1.2
Hispanic Americans	1. Day hiking 2. Mountain biking 3. Developed camping	2.1

**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	480.6	32.1	14,545.5	20.8
African American	246.0	29.1	4,825.3	28.9
Asian/American Indian	7.7	26.4	1,776.3	79.3
Hispanic American	74.7	149.3	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

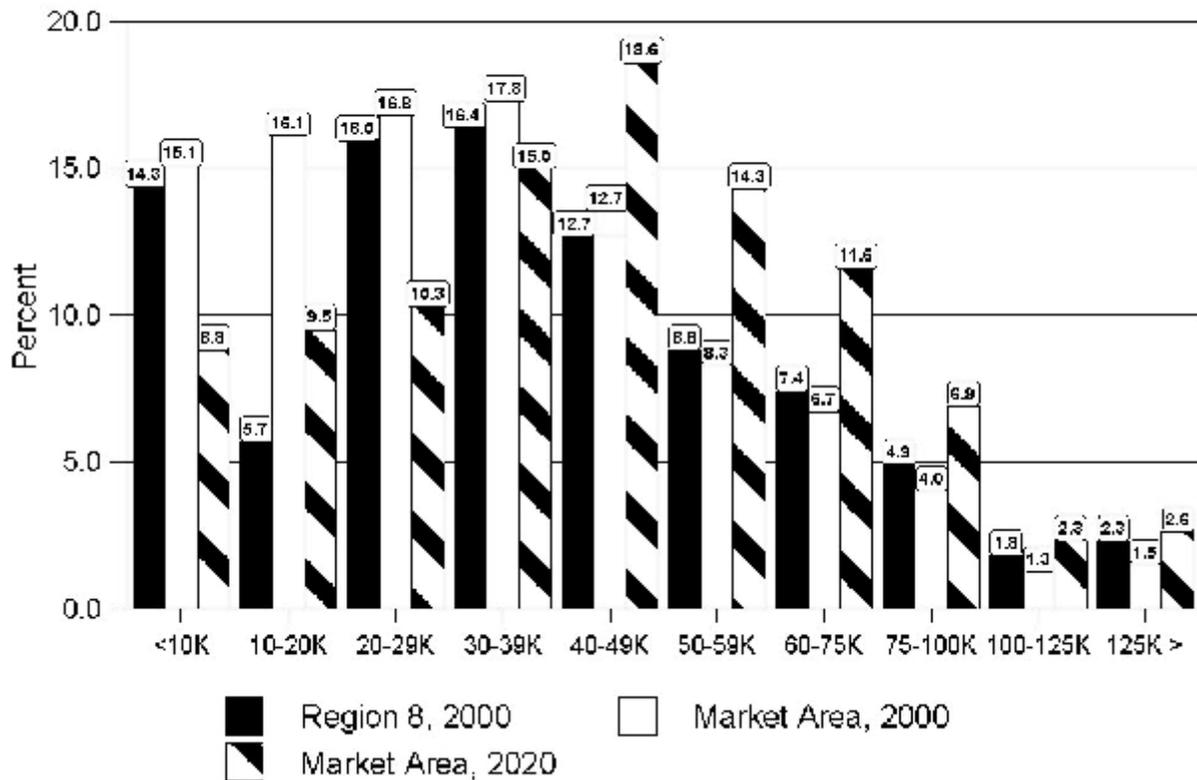
- strata participate in are likely to experience increased demand.
- < The table above shows percent increases in each of the race strata in the market area, 2000 - 2020.
  - < Anglo American, African American, and Hispanic American groups are the highest growth strata.
  - < Given the changing racial 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"> <li>1. Day hiking</li> <li>2. Primitive camping</li> <li>3. Backpacking</li> </ol>
2 <sup>nd</sup> highest growth race group	<ol style="list-style-type: none"> <li>1. Mountain biking</li> <li>2. Small game hunting</li> <li>3. View or photograph fish</li> </ol>
3 <sup>rd</sup> highest growth race group	<ol style="list-style-type: none"> <li>1. Day hiking</li> <li>2. Mountain biking</li> <li>3. Developed camping</li> </ol>

**Step 4.5 – Income**

**Current Income Distribution**



(Source: Table II. 5b,c)

**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
< \$10K	1. Small game hunting 2. Mountain biking 3. Horseback riding	15.1
\$10-\$20K	1. Visit a wilderness or other primitive, roadless area 2. View or photograph wildflowers, trees, or other natural vegetation 3. Backpacking	16.1
\$20-\$29K	1. Drive off-road 2. View birds 3. View or photograph fish	16.8
\$30-\$39K	1. Big game hunting 2. Backpacking 3. Primitive camping	17.3
\$40-\$49K	1. Drive off-road 2. Visit waterside besides beach 3. Backpacking	12.7
\$50-\$59K	1. Horseback riding 2. View birds 3. Big game hunting	8.3
\$60-\$75K	1. Horseback riding 2. Gather mushrooms, berries, and other non-timber products 3. Small game hunting	6.7
\$75-\$100K	1. Horseback riding 2. Swimming in streams, lakes, ponds, or the ocean 3. View wildlife	4.0
\$100-\$125K	1. Drive off-road 2. View birds 3. Developed camping	1.3
\$125K >	1. Backpacking 2. Primitive camping 3. Developed camping	1.5

**Step 4.5.b – Income Distribution**

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

Income category (K = \$1000)	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
< \$10K	-28.8	-21.8	-1,351.7	-28.3
\$10-\$20K	-27.9	-19.8	-1,437.1	-27.4
\$20-\$29K	-25.2	-17.2	-1,278.2	-23.9
\$30-\$39K	25.9	17.1	231.9	4.2
\$40-\$49K	108.4	97.4	2,519.8	59.5
\$50-\$59K	96.2	133.2	2,897.0	100.9
\$60-\$75K	78.2	132.7	2,857.2	115.7
\$75-\$100K	46.8	133.3	2,005.4	122.1
\$100-\$125K	15.4	131.6	756.4	123.1
\$125K >	17.6	128.4	923.2	120.7

(Source: Table II, E.3)

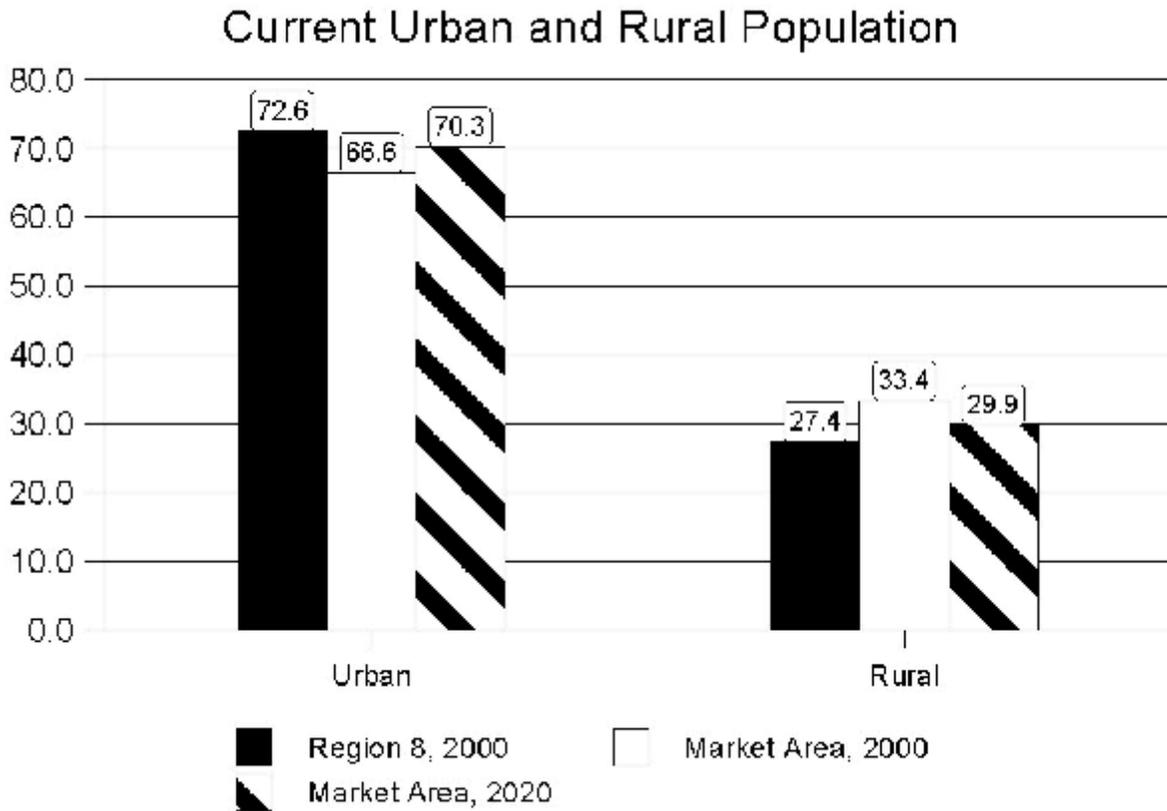
- < In the future, income in the United States is expected to rise. The table above shows percent increases in each of the income strata in the market area, 2000-2020.
- < \$40,000-\$49,000; \$50,000-\$59,999; and \$60,000-\$75,000 groups are the highest growth strata in the market area.
- < Given the 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	<ol style="list-style-type: none"><li>1. Drive off-road</li><li>2. Visit waterside besides beach</li><li>3. Backpacking</li></ol>
2 <sup>nd</sup> highest growth income group	<ol style="list-style-type: none"><li>1. Horseback riding</li><li>2. View birds</li><li>3. Big game hunting</li></ol>
3 <sup>rd</sup> highest growth income group	<ol style="list-style-type: none"><li>1. Horseback riding</li><li>2. Gather mushrooms, berries, and other non-timber products</li><li>3. Small game hunting</li></ol>

## **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. Backpacking 2. Swimming in streams, lakes, ponds, or the ocean 3. Primitive camping 4. Drive off-road 5. Visit waterside besides beach	66.6
Rural	1. Horseback riding 2. Big game hunting 3. View birds 4. View wildlife 5. Gather mushrooms, berries, and other non-timber products	33.4

**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 (1000's), 2000 to 2020	Percent change, 2000 to 2020	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020
Urban	604.6	38.3	18,276.6	28.3
Rural	129.7	16.4	2,870.4	11.8

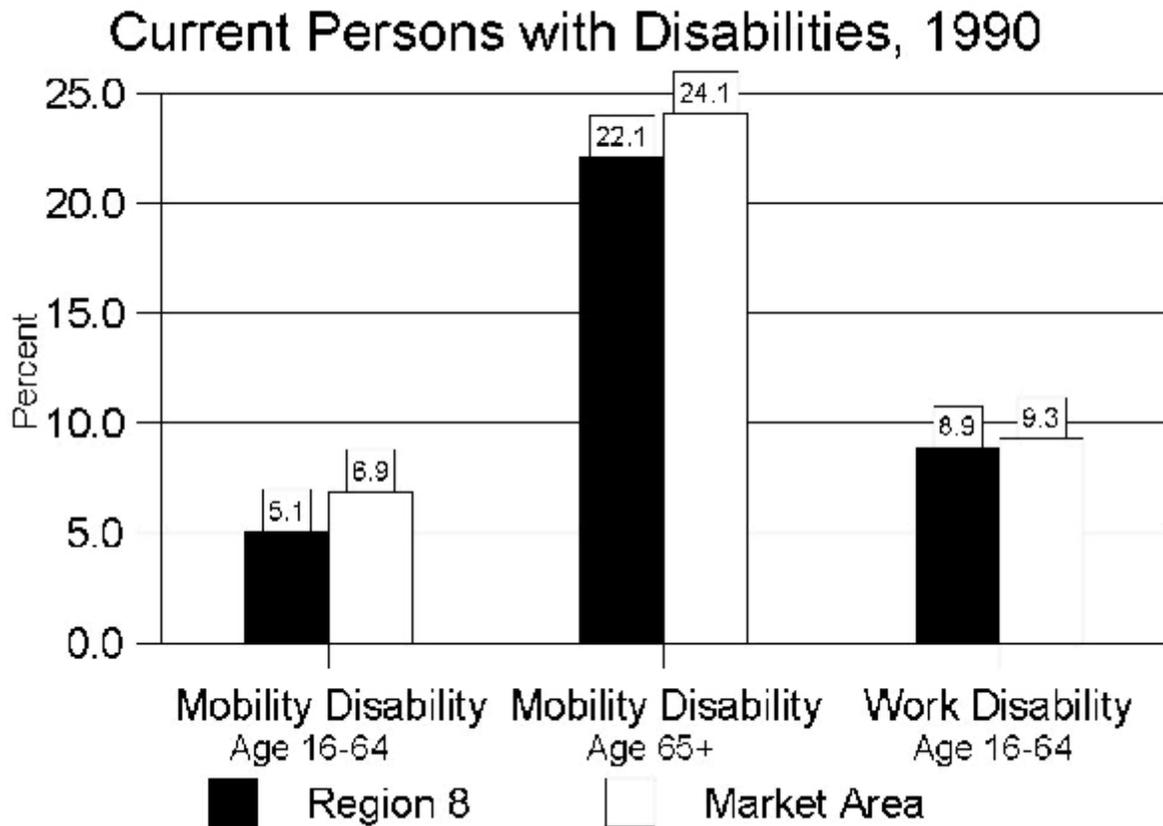
- < Over the next 50 years, all markets in the United States that contain urban areas are expected to significantly increase their rates of rural land conversion as suburbs sprawl out into rural lands. Between 1992 and 1997 in the United States, nearly 16 million acres of farm, forest and other open 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"><li>1. Backpacking</li><li>2. Swimming in streams, lakes, ponds, or the ocean</li><li>3. Primitive camping</li><li>4. Drive off-road</li><li>5. Visit waterside besides beach</li></ol>

## Step 4.7 – Disability



(Source: Table II. 7)

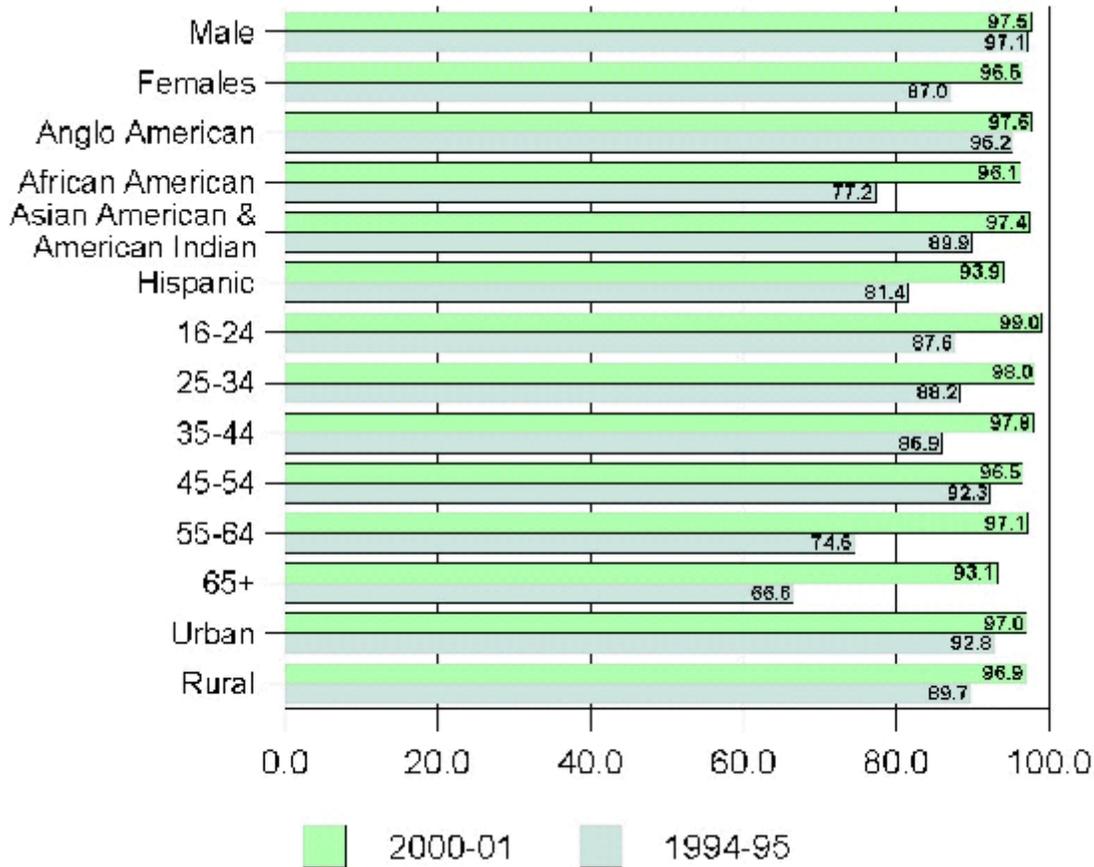
### Step 4.7.a – Current Disability Distribution

- < 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"><li>1. View birds</li><li>2. View wildlife</li><li>3. Swimming in streams, lakes, ponds, or the ocean</li></ol>
Other disability	<ol style="list-style-type: none"><li>1. Swimming in streams, lakes, ponds, or the ocean</li><li>2. View birds</li><li>3. Warmwater fishing</li></ol>

### 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.<sup>3</sup> 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 <sup>st</sup> ) 65+	<ol style="list-style-type: none"> <li>1. View birds</li> <li>2. View or photograph wildflowers, trees, or other natural vegetation</li> <li>3. View or photograph fish</li> </ol>
2 <sup>nd</sup> ) 55-64	<ol style="list-style-type: none"> <li>1. Small game hunting</li> <li>2. View or photograph wildflowers, trees, or other natural vegetation</li> <li>3. Mountain biking</li> </ol>
3 <sup>rd</sup> ) Hispanic American	<ol style="list-style-type: none"> <li>1. Day hiking</li> <li>2. Mountain biking</li> <li>3. Developed camping</li> </ol>
4 <sup>th</sup> ) African American	<ol style="list-style-type: none"> <li>1. Mountain biking</li> <li>2. Small game hunting</li> <li>3. View or photograph fish</li> </ol>
5 <sup>th</sup> ) Females	<ol style="list-style-type: none"> <li>1. View birds</li> <li>2. Horseback riding</li> <li>3. View or photograph wildflowers, trees, or other natural vegetation</li> <li>4. Horseback riding on trails</li> <li>5. Gather mushrooms, berries, and other non-timber products</li> </ol>

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<sup>3</sup> 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
Horseback riding	12	19
View birds	10	18
Mountain biking	9	17
Small game hunting	9	17
Backpacking	9	17
View or photograph wildflowers, trees, or other natural vegetation	8	14
Big game hunting	7	13
Gather mushrooms, berries, and other non-timber products	7	13
Primitive camping	7	13
View or photograph fish	7	13
Drive off-road	5	9
Day hiking	5	9
Developed camping	5	9
Horseback riding on trails	5	9
Swimming in streams, lakes, ponds, or the ocean	4	5
Visit waterside besides beach	3	4
View wildlife	3	4
Warmwater fishing	2	2
Visit a wilderness or other primitive, roadless area	1	1

## **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 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 or photographing fish, 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) <sup>1</sup>	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 <sup>3</sup>	Step 5 Total Score <sup>4</sup>
View or photograph fish	15	18	13	46
View birds	16	7	18	41
View or photograph wildflowers, trees, or other natural vegetation	17	10	14	41
Backpacking	3	19	17	39
Swimming in streams, lakes, ponds, or the ocean	19	14	5	38
View wildlife	18	16	4	38
Mountain biking	10	10	17	37
Gather mushrooms, berries, and other non-timber products	12	10	13	35
Big game hunting	5	15	13	33
Developed camping	8	13	9	30
Small game hunting	6	5	17	28
Horseback riding on trails	1	17	9	27
Horseback riding	2	6	19	27
Visit waterside besides beach	13	10	4	27
Visit a wilderness or other primitive, roadless area	11	10	1	22
Drive off-road	9	4	9	22
Day hiking	7	3	9	19
Primitive camping	4	1	13	18
Warmwater fishing	14	2	2	18

<sup>1</sup> 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)

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

<sup>3</sup> Highest cumulative scores (Type II activities) across demographics receive highest score.

<sup>4</sup> 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 (Ration (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							
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**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)	<b>U</b>	Comments evaluating whether my NF is best positioned to provide this activity.
1.		
2.		
3.		
4.		
5.		
6.		

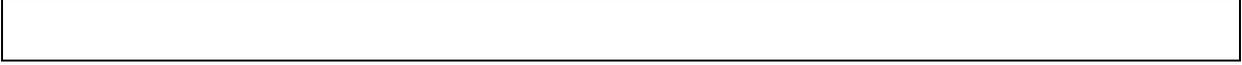
< Place a check (**U**) beside each activity you have decided to recommend to the Forest Supervisor

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 FRANCIS MARION NATIONAL FOREST Market Area

Projected 2000	FIPS code	County name	Number of NSRE interviews	Total population 2000	Total population 2020	percent change, to 2020
	37019	Brunswick, NC	5	76,598	140,714	83.7
	45063	Lexington, SC	28	231,044	393,221	70.2
	45051	Horry, SC	22	185,205	295,495	59.6
	45035	Dorchester, SC	13	103,486	160,159	54.8
	45015	Berkeley, SC	23	153,859	227,087	47.6
	45013	Beaufort, SC	21	110,427	153,495	39.0
	45053	Jasper, SC	8	17,970	24,186	34.6
	45005	Allendale, SC	4	12,378	15,551	25.6
	45079	Richland, SC	41	307,721	377,941	22.8
	45043	Georgetown, SC	12	53,957	66,053	22.4
	45017	Calhoun, SC	7	14,134	17,128	21.2
	45011	Barnwell, SC	2	22,596	26,969	19.4
	45055	Kershaw, SC	13	49,066	57,937	18.1
	45075	Orangeburg, SC	14	91,636	106,497	16.2
	45041	Florence, SC	23	128,002	148,481	16.0
	45025	Chesterfield, SC	11	40,788	46,670	14.4
	45085	Sumter, SC	15	110,911	126,167	13.8
	45029	Colleton, SC	9	37,760	42,109	11.5
	45019	Charleston, SC	35	282,494	314,645	11.4
	37047	Columbus, NC	10	52,917	58,670	10.9
	45027	Clarendon, SC	9	30,274	33,402	10.3
	45031	Darlington, SC	19	66,690	73,120	9.6
	45067	Marion, SC	6	36,048	39,251	8.9
	45061	Lee, SC	6	20,601	22,385	8.7
	45089	Williamsburg, SC	8	38,199	40,920	7.1
	45049	Hampton, SC	3	20,833	22,296	7.0
	45009	Bamberg, SC	1	16,974	17,884	5.4
	45033	Dillon, SC	4	29,996	30,746	2.5
	45069	Marlboro, SC	5	29,335	27,067	-7.7
			=====	=====	=====	
			377	2,371,899	3,106,246	

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

FRANCIS MARION NATIONAL FOREST			
Statistic	Market Area	State	Region 8
1990 population (1,000s)	2,096.2	3,498.9	77,867.8
2000 population (1,000s)	2,371.9	3,928.7	88,998.0
2020 population (1,000s)	3,106.2	4,971.9	110,145.0
Percent change, 1990-2000	13.2	12.3	14.3
Percent change, 2000-2020	31.0	26.6	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

## FRANCIS MARION NATIONAL FOREST

(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	341.0	16.3	561.9	16.1	11,730.7
Age 25-34 17.1	366.0	17.5	591.1	16.9	13,294.3
Age 35-44 14.9	314.9	15.0	527.0	15.1	11,574.2
Age 45-54 10.1	202.7	9.7	354.9	10.1	7,851.9
Age 55-64 8.5	169.1	8.1	292.6	8.4	6,596.5
Age 65 & older 12.6	222.8	10.6	396.2	11.3	9,785.1
=====	=====	=====	=====	=====	=====
78.3	1,616.5	77.2	2,723.7	77.9	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

## FRANCIS MARION NATIONAL FOREST

(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	360.7	15.2	592.0	15.1	12,671.7
Age 25-34 13.5	320.1	13.5	516.4	13.1	11,976.4
Age 35-44 16.0	382.3	16.1	630.1	16.0	14,224.4
Age 45-54 13.4	313.6	13.2	535.8	13.6	11,920.4
Age 55-64 8.8	204.7	8.6	348.3	8.9	7,861.4
Age 65 & older 12.6	263.3	11.1	459.9	11.7	11,256.2
=====	=====	=====	=====	=====	=====
78.5	1,844.7	77.7	3,082.5	78.4	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

## FRANCIS MARION NATIONAL FOREST

(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	428.4	13.8	678.8	13.7	14,537.3
Age 25-34 13.1	396.0	12.7	622.8	12.5	14,437.1
Age 35-44 12.3	371.3	12.0	600.6	12.1	13,516.1
Age 45-54 11.6	353.1	11.4	573.2	11.5	12,746.4
Age 55-64 12.9	414.5	13.3	663.4	13.3	14,200.7
Age 65 & older 16.9	508.0	16.4	835.9	16.8	18,619.7
=====	=====	=====	=====	=====	=====
80.0	2,471.3	79.6	3,974.7	79.9	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

## FRANCIS MARION NATIONAL FOREST

(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	19.7	5.8	30.1	5.4	941.0
Age 25-34 -9.9	-45.9	-12.5	-74.7	-12.6	-1,317.9
Age 35-44 22.9	67.4	21.4	103.1	19.6	2,650.2
Age 45-54 51.8	110.9	54.7	180.9	51.0	4,068.5
Age 55-64 19.2	35.6	21.0	55.7	19.0	1,264.9
Age 65 & older 15.0	40.5	18.2	63.7	16.1	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

FRANCIS MARION NATIONAL FOREST

(Absolute change in 1000s.)

Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
REGION 8	2000 to 2020				
Age Group					
2000 to 2020					
Age 15-24	67.7	18.8	86.8	14.6	1,865.6
14.7					
Age 25-34	75.9	23.7	106.4	20.6	2,460.7
20.5					
Age 35-44	-11.0	-2.9	-29.5	-4.7	-708.3
-5.0					
Age 45-54	39.5	12.6	37.4	7.0	826.0
6.9					
Age 55-64	209.8	102.5	315.1	90.5	6,339.3
80.6					
Age 65 & older	244.7	92.9	376.0	81.8	7,363.5
65.4					

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

FRANCIS MARION NATIONAL FOREST						
(Number of households in 1000s.)						
REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	# households	% households	# households	% households	# households	%
households	1990	1990	1990	1990	1990	
Household size						
1990						
1 person households	161.4	21.8	278.9	22.2	6,861.2	
23.7						
2 person households	230.9	31.2	397.4	31.6	9,422.9	
32.6						
3 person households	141.0	19.0	241.7	19.2	5,225.3	
18.1						
4 person households	119.7	16.2	203.6	16.2	4,381.1	
15.2						
5+ person households	87.2	11.8	137.1	10.9	3,011.3	
10.4						
	=====	=====	=====	=====	=====	
	740.2	100.0	1,258.7	100.1	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

FRANCIS MARION NATIONAL FOREST						
(Number of households in 1000s.)						
REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	# households	% households	# households	% households	# households	%
households	1998	1998	1998	1998	1998	
Household size						
1998						
1 person households	186.3	22.7	325.1	23.1	7,974.0	
24.4						
2 person households	265.1	32.3	458.6	32.6	10,902.9	
33.4						
3 person households	149.7	18.3	260.1	18.5	5,689.2	
17.4						
4 person households	131.7	16.1	226.4	16.1	4,977.5	
15.2						
5+ person households	86.9	10.6	138.6	9.8	3,138.4	
9.6						
	=====	=====	=====	=====	=====	
	819.7	100.0	1,408.8	100.1	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

FRANCIS MARION NATIONAL FOREST						
(Number of households in 1000s.)						
REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	# households	% households	# households	% households	# households	%
households	2003	2003	2003	2003	2003	
Household size						
2003						
1 person households	205.0	23.8	360.2	24.1	8,935.5	
25.3						
2 person households	285.9	33.2	496.6	33.3	11,983.4	
34.0						
3 person households	150.2	17.4	262.7	17.6	5,863.4	
16.6						
4 person households	134.0	15.5	231.8	15.5	5,218.9	
14.8						
5+ person households	87.3	10.1	140.3	9.4	3,272.4	
9.3						
	=====	=====	=====	=====	=====	
	862.4	100.0	1,491.6	99.9	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

## FRANCIS MARION NATIONAL FOREST

(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	24.9	15.4	46.2	16.6	1,112.8	
16.2						
2 person households	34.2	14.8	61.2	15.4	1,480.0	
15.7						
3 person households	8.7	6.2	18.4	7.6	463.9	
8.9						
4 person households	12.0	10.0	22.8	11.2	596.4	
13.6						
5+ person households	-0.3	-0.3	1.5	1.1	127.1	
4.2						

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

## FRANCIS MARION NATIONAL FOREST

(Absolute change in 1000s.)

change, REGION 8 Household size to 2003	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	1998 to 2003	1998				
1 person households 12.1	18.7	10.0	35.1	10.8	961.5	
2 person households 9.9	20.8	7.9	38.0	8.3	1,080.5	
3 person households 3.1	0.5	0.3	2.6	1.0	174.2	
4 person households 4.8	2.3	1.7	5.4	2.4	241.4	
5+ person households 4.3	0.4	0.5	1.7	1.2	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.)

## FRANCIS MARION NATIONAL FOREST

(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	1, 330. 8	63. 5	2, 421. 1	69. 2	62, 118. 5
Black populati on 18. 2	742. 4	35. 4	1, 046. 5	29. 9	14, 200. 0
Other populati on 2. 0	23. 0	1. 1	31. 3	0. 9	1, 549. 2
=====	=====	=====	=====	=====	=====
100. 0	2, 096. 2	100. 0	3, 498. 9	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.)

## FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 population Race/ethnicity 1990	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
	1990	1990	1990	1990	1990
Hispanic population	21.8	1	30.7	0.9	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.)

## FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 populati on Race/ethni ci ty 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	1,498.2	63.2	2,695.2	68.6	70,074.9
Black populati on 18.7	844.7	35.6	1,193.3	30.4	16,682.8
Other populati on 2.5	29.0	1.2	40.2	1.0	2,240.2
=====	=====	=====	=====	=====	=====
	2,371.9	100.0	3,928.7	100.0	88,997.9
99.9					

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.)

## FRANCIS MARION NATIONAL FOREST

(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 11.1	50.0	2.1	73.8	1.9	9,890.5

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

(Hispanics included, can be of any race.)

## FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 populati on Race/ethni ci ty 2020	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% populati on	population	% populati on	population %
	2020	2020	2020	2020	2020
White populati on 76. 8	1, 978. 8	63. 7	3, 384. 8	68. 1	84, 620. 4
Black populati on 19. 5	1, 090. 7	35. 1	1, 535. 1	30. 9	21, 508. 1
Other populati on 3. 6	36. 7	1. 2	52. 1	1. 0	4, 016. 5
=====	=====	=====	=====	=====	=====
	3, 106. 2	100. 0	4, 972. 0	100. 0	110, 145. 0
99. 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 4f--Population distribution by race/ethnicity in market area, state, and R-8, 2020

(Hispanics ONLY, can be of any race.)

## FRANCIS MARION NATIONAL FOREST

(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	124.7	4	185.3	3.7	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

## FRANCIS MARION NATIONAL FOREST

(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	167.4	12.6	274.1	11.3	7,956.4	
12.8 Black population	102.3	13.8	146.8	14.0	2,482.8	
17.5 Other population	6.0	26.2	8.9	28.3	691.0	
44.6 Hispanic population	28.2	129.3	43.1	140.6	3,278.6	
49.6						

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

## FRANCIS MARION NATIONAL FOREST

(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	480.6	32.1	689.6	25.6	14,545.5	
20.8 Black population	246.0	29.1	341.8	28.6	4,825.3	
28.9 Other population	7.7	26.4	11.9	29.5	1,776.3	
79.3 Hispanic population	74.7	149.3	111.5	151.1	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 in market area, state, and R-8, 1990

## FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 Income households category 1990	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	# households 1990	% households 1990	# households 1990	% households 1990	# households 1990
\$<10k	142.8	19.2	234.1	18.5	5,337.6
18.4					
\$10-19.999k	149.3	20.1	249.2	19.7	5,742.6
19.8					
\$20-29.999k	137.5	18.5	230.5	18.2	5,163.7
17.8					
\$30-39.999k	109.7	14.7	191.4	15.1	4,133.7
14.2					
\$40-49.999k	75.4	10.1	133.2	10.5	2,945.7
10.2					
\$50-59.999k	48.9	6.6	86.0	6.8	1,966.5
6.8					
\$60-74.999k	40.0	5.4	70.6	5.6	1,678.2
5.8					
\$75-99.999k	23.7	3.2	42.1	3.3	1,111.0
3.8					
\$100-124.999k	7.9	1.1	13.6	1.1	416.3
1.4					
\$125-149.999k	3.2	0.4	5.5	0.4	172.5
0.6					
\$150+k	6.2	0.8	9.8	0.8	349.2
1.2					
=====	=====	=====	=====	=====	=====
=====	744.6	100.1	1,266.0	100.0	29,017.0
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 5b--Household income distribution in market area, state, and R-8, 2000

FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 Income households category 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	# households 2000	% population 2000	# households 2000	% households 2000	# households 2000
\$<10k 14.3	132.1	15.1	216.1	14.7	4,781.6
\$10- 19. 999k 15.7	140.6	16.1	232.2	15.8	5,240.8
\$20- 29. 999k 16.0	146.5	16.8	235.0	16.0	5,356.1
\$30- 39. 999k 16.4	151.5	17.3	259.8	17.7	5,477.9
\$40- 49. 999k 12.7	111.3	12.7	193.2	13.2	4,236.5
\$50- 59. 999k 8.6	72.2	8.3	125.0	8.5	2,870.1
\$60- 74. 999k 7.4	59.0	6.7	102.7	7.0	2,468.9
\$75- 99. 999k 4.9	35.0	4.0	61.3	4.2	1,642.7
\$100- 124. 999k 1.8	11.7	1.3	19.8	1.4	614.5
\$125- 149. 999k 0.8	4.7	0.5	8.0	0.5	254.1
\$150+k	9.0	1.0	14.1	1.0	510.8

1.5	=====	=====	=====	=====	=====
=====	873.6	99.8	1,467.2	100.0	33,454.0
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 in market area, state, and R-8, 2020

FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 Income households category 2020	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	# households 2020	% population 2020	# households 2020	% households 2020	# households 2020
\$<10k	103.3	8.8	168.1	8.8	3,429.9
8.2					
\$10-19.999k	112.7	9.5	183.1	9.6	3,803.7
9.1					
\$20-29.999k	121.3	10.3	189.0	9.9	4,077.9
9.8					
\$30-39.999k	177.4	15.0	281.8	14.7	5,709.8
13.7					
\$40-49.999k	219.7	18.6	361.8	18.9	6,756.3
16.2					
\$50-59.999k	168.4	14.3	274.4	14.4	5,767.1
13.9					
\$60-74.999k	137.2	11.6	225.9	11.8	5,326.1
12.8					
\$75-99.999k	81.8	6.9	135.1	7.1	3,648.1
8.8					
\$100-124.999k	27.1	2.3	43.8	2.3	1,370.9
3.3					
\$125-149.999k	10.9	0.9	17.5	0.9	566.5
1.4					
\$150+k	20.4	1.7	30.9	1.6	1,122.6
2.7					
	=====	=====	=====	=====	=====
	1,180.2	99.9	1,911.4	100.0	41,578.9
99.9					

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

## FRANCIS MARION NATIONAL FOREST

(Absolute change in 1000s.)

Pct. change, Income REGION 8 category 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
\$<10k -10.4	-10.7	-7.5	-18.0	-7.7	-556.0
\$10-19.999k -8.7	-8.7	-5.9	-17.0	-6.8	-501.8
\$20-29.999k 3.7	9.0	6.6	4.5	1.9	192.4
\$30-39.999k 32.5	41.8	38.0	68.4	35.7	1,344.2
\$40-49.999k 43.8	35.9	47.7	60.0	45.1	1,290.8
\$50-59.999k 46.0	23.3	47.7	39.0	45.3	903.6
\$60-74.999k 47.1	19.0	47.6	32.1	45.5	790.7
\$75-99.999k 47.9	11.3	47.7	19.2	45.7	531.7
\$100-124.999k 47.6	3.8	47.3	6.2	45.6	198.2
\$125-149.999k 47.3	1.5	46.9	2.5	45.5	81.6
\$150+k 46.3	2.8	45.4	4.3	44.4	161.6

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

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

## FRANCIS MARION NATIONAL FOREST

(Absolute change in 1000s.)

Pct. change, Income REGION 8 category 2000 to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA 2000 to 2020	MARKET AREA 2000 to 2020	STATE 2000 to 2020	STATE 2000 to 2020	REGION 8 2000 to 2020
\$<10k -28.3	-28.8	-21.8	-48.0	-22.2	-1,351.7
\$10-19.999k -27.4	-27.9	-19.8	-49.1	-21.1	-1,437.1
\$20-29.999k -23.9	-25.2	-17.2	-46.0	-19.6	-1,278.2
\$30-39.999k 4.2	25.9	17.1	22.0	8.5	231.9
\$40-49.999k 59.5	108.4	97.4	168.6	87.2	2,519.8
\$50-59.999k 100.9	96.2	133.2	149.4	119.5	2,897.0
\$60-74.999k 115.7	78.2	132.7	123.2	119.9	2,857.2
\$75-99.999k 122.1	46.8	133.3	73.8	120.5	2,005.4
\$100-124.999k 123.1	15.4	131.6	24.0	120.6	756.4
\$125-149.999k 123.0	6.2	130.0	9.5	120.0	312.4
\$150+k 119.8	11.4	127.5	16.8	118.6	611.8

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

FRANCIS MARION NATIONAL FOREST

(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	1,377.4	65.7	2,432.3	69.5	55,312.3
Non-metropolitan	718.8	34.3	1,066.6	30.5	22,555.5
	=====	=====	=====	=====	=====
	2,096.2	100.0	3,498.9	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

FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 Metropolitan population status 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population 2000	% population 2000	population 2000	% population 2000	population % 2000
Metropolitan	1,579.3	66.6	2,766.0	70.4	64,613.4
72.6					
Non-metropolitan	792.6	33.4	1,162.7	29.6	24,384.6
27.4					
=====	=====	=====	=====	=====	=====
100.0	2,371.9	100.0	3,928.7	100.0	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

FRANCIS MARION NATIONAL FOREST

(Population in 1000s.)

REGION 8 Metropolitan population status 2020	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
	2020	2020	2020	2020	2020
Metropolitan	2,183.9	70.3	3,639.1	73.2	82,890.0
75.3					
Non-metropolitan	922.3	29.7	1,332.8	26.8	27,255.0
24.7					
=====					
=====	3,106.2	100.0	4,971.9	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

FRANCIS MARION NATIONAL FOREST					
	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	201.9	14.7	333.7	13.7	9,301.1
16.8					
Non-metropolitan	73.8	10.3	96.1	9.0	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

FRANCIS MARION NATIONAL FOREST					
	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
Pct. change,	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
Metropolitan	2000 to 2020				
REGION 8					
status					
2000 to 2020					
Metropolitan	604.6	38.3	873.1	31.6	18,276.6
28.3					
Non-metropolitan	129.7	16.4	170.1	14.6	2,870.4
11.8					

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

FRANCIS MARION NATIONAL FOREST						
(Number of disabled in 1000s.)						
		MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
		# disabled	% pop.	# disabled	% pop.	# disabled
REGION 8	Disability	1990	1990	1990	1990	1990
% pop.						
1990						
	Mobility/self-care, age 16-64	87.9	6.9	133.8	6.1	2,478.9
5.1						
	Work disability, age 16-64	118.5	9.3	198.8	9.1	4,331.3
8.9						
	Mobility/self-care, age 65+	51.5	24.1	89.1	23.4	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

FRANCIS MARION NATIONAL FOREST

(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	1,076.2	48.2	1,809.7	48.1	42,115.0
48.5					
Female population	1,157.1	51.8	1,951.6	51.9	44,779.1
51.5					
=====	=====	=====	=====	=====	=====
100.0	2,233.3	100.0	3,761.3	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)

## FRANCIS MARION NATIONAL FOREST

Management objective	Market area percent	Market area sample size	Region 8 percent	Region 8 sample size
Designate trails for specific rec. uses	100.0	5	50.0	385
Introduce a recreation fee	92.6	7	60.4	321
Conserve & protect F&G (esp. water)	87.6	9	90.9	486
Inform public about recreation concerns	86.5	8	85.8	385
Designate more wilderness areas	86.2	8	57.2	376
Preserve 'wilderness' experience on F&G	76.7	16	66.9	468
Increase law enforcement efforts	73.3	13	69.1	347
Develop trail systems (nonmotorized rec)	67.4	10	55.2	391
Expand commercial recreation on F&G	47.7	12	39.1	385
Develop volunteer programs: maintenance	41.5	12	71.7	380
Expand access for motorized OHVs on F&G	30.4	12	21.2	382
Develop paved roads on F&G for access	29.7	7	26.2	386
Make easier to get permits for some uses	29.4	10	36.3	376
Develop trail systems (motorized rec.)	27.4	11	29.5	446

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)

## FRANCIS MARION NATIONAL FOREST

Management objective	Market area percent	Market area sample size	Region 8 percent	Region 8 sample size
Maintain NFs for future generations' use	86.6	52	92.4	1380
Provide habitat for wildlife & fish	85.7	52	87.0	1380
Protect streams & sources of clean water	85.2	52	93.6	1380
Protect rare plant & animal species	80.2	52	85.0	1380
Use forest areas so they're left natural	77.5	52	85.1	1380
Emphasize planting & management of trees	75.7	52	77.4	1380
Provide info & educ services re: forests	74.1	52	78.8	1380
Provide access, facil. & services for OR	73.6	52	75.9	1380
Provide roads & serv. for local business	70.7	52	60.1	1380
Provide quiet, natural places	67.0	52	74.3	1380
Provide raw materials/prod. for industry	50.9	52	48.9	1380
Provide grazing permits to ranchers	47.0	52	51.6	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	83.5	1.53	81.0	
55.97					
I	Family gathering	70.7	1.29	72.3	
49.96					
I	View/photograph natural scenery	53.7	0.98	55.5	
38.35					
I	Visit nature centers, etc	52.6	0.96	53.1	
36.69					
I	Visit historic sites	49.1	0.90	43.1	
29.78					
II	Swimming in natural water	47.2	0.86	40.0	
27.64					
I	Picnicking	45.9	0.84	49.1	
33.93					
I	Sightseeing	45.8	0.84	51.4	
35.52					
I	Driving for pleasure	45.6	0.83	50.6	
34.96					
I	Bicycling	43.0	0.79	34.2	
23.63					
II	View wildlife	40.9	0.75	42.5	
29.37					
I	Boating	37.0	0.68	34.3	
23.70					
II	View/photograph wildflowers, trees, etc.	36.7	0.67	42.4	
29.30					
II	View birds	28.6	0.52	30.8	
21.28					
II	View or photograph fish	28.5	0.52	25.5	
17.62					
II	Warmwater fishing	28.5	0.52	30.3	
20.94					
II	Visit waterside besides beach	28.3	0.52	25.9	
17.90					
I	Motorboating	26.3	0.48	25.2	
17.41					
II	Gather mushrooms, berries, etc.	25.2	0.46	26.9	
18.59					
II	Visit a wilderness	25.1	0.46	29.5	

20.38				
II	Mountain biking	21.4	0.39	16.2
11.19				
III	Saltwater fishing	18.9	0.35	14.2
9.81				
II	Drive off-road	17.5	0.32	17.5
12.09				
III	Visit archeol. sites	17.3	0.32	19.7
13.61				
II	Developed camping	14.0	0.26	21.9
15.13				
II	Day hiking	13.9	0.25	26.2
18.10				
II	Small game hunting	10.8	0.20	8.7
6.01				
III	Waterskiing	9.2	0.17	8.4
5.80				
II	Big game hunting	8.6	0.16	9.5
6.56				
III	Rafting	8.3	0.15	8.9
6.15				
III	Coldwater fishing	7.9	0.14	10.7
7.39				
II	Primitive camping	6.9	0.13	13.3
9.19				
II	Backpacking	6.1	0.11	7.5
5.18				
II	Horseback riding	5.7	0.10	10.1
6.98				
II	Horseback riding on trails	5.0	0.09	8.2
5.67				
III	Snorkeling or scuba diving	4.9	0.09	6.7
4.63				
III	Canoeing	4.2	0.08	7.8
5.39				
III	Kayaking	4.1	0.07	2.0
1.38				
III	Migratory bird hunting	3.2	0.06	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	83.5	1.53	81.0	55.97
Family gathering	70.7	1.29	72.3	49.96
View/photograph natural scenery	53.7	0.98	55.5	38.35
Visit nature centers, etc	52.6	0.96	53.1	36.69
Visit historic sites	49.1	0.90	43.1	29.78
Picnicking	45.9	0.84	49.1	33.93
Sightseeing	45.8	0.84	51.4	35.52
Driving for pleasure	45.6	0.83	50.6	34.96
Bicycling	43.0	0.79	34.2	23.63
Boating	37.0	0.68	34.3	23.70
Motorboating	26.3	0.48	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	0.27	39.6
Walk for pleasure	0.45	30.9
Boating	0.19	28.9
Picnicking	0.19	20.2
Visit nature centers, etc	0.19	16.1
Family gathering	0.22	12.0
Motorboating	0.05	3.1
Visit historic sites	0.09	2.5
Sightseeing	-0.08	-15.5

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 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 participated	MARKET AREA # particip.	REGION 8 Percent #
	2001	2001	2001
Swimming in natural water	47.2	0.86	40.0
27.64			
View wildlife	40.9	0.75	42.5
29.37			
View/photograph wildflowers, trees, etc.	36.7	0.67	42.4
29.30			
View birds	28.6	0.52	30.8
21.28			
View or photograph fish	28.5	0.52	25.5
17.62			
Warmwater fishing	28.5	0.52	30.3
20.94			
Visit waterside besides beach	28.3	0.52	25.9
17.90			
Gather mushrooms, berries, etc.	25.2	0.46	26.9
18.59			
Visit a wilderness	25.1	0.46	29.5
20.38			
Mountain biking	21.4	0.39	16.2
11.19			
Drive off-road	17.5	0.32	17.5
12.09			
Developed camping	14.0	0.26	21.9
15.13			
Day hiking	13.9	0.25	26.2
18.10			
Small game hunting	10.8	0.20	8.7
6.01			
Big game hunting	8.6	0.16	9.5
6.56			
Primitive camping	6.9	0.13	13.3
9.19			
Backpacking	6.1	0.11	7.5
5.18			
Horseback riding	5.7	0.10	10.1
6.98			
Horseback riding on trails	5.0	0.09	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	Absolute change	Percent change
	1995 to 2001	in # participants 1995 to 2001
Backpacking	0.06	103.3
View or photograph fish	0.21	53.2
Horseback riding on trails	0.03	47.1
View wildlife	0.25	39.6
Big game hunting	0.04	21.1
Swimming in natural water	0.16	13.5
Developed camping	0.05	12.0
View birds	0.08	10.9
Horseback riding	0.01	5.6
Small game hunting	0.02	0.0
Drive off-road	0.02	-0.6
Day hiking	0.00	-6.7
Warmwater fishing	0.00	-7.8
Primitive camping	-0.01	-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 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
Saltwater fishing	18.9	0.35	14.2	9.81
Visit archeol. sites	17.3	0.32	19.7	13.61
Waterskiing	9.2	0.17	8.4	5.80
Rafting	8.3	0.15	8.9	6.15
Coldwater fishing	7.9	0.14	10.7	7.39
Snorkeling or scuba diving	4.9	0.09	6.7	4.63
Canoeing	4.2	0.08	7.8	5.39
Kayaking	4.1	0.07	2.0	1.38
Migratory bird hunting	3.2	0.06	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	Percent change
	1995 to 2001	in # participants 1995 to 2001
Kayaking	0.06	720.0
Visit archeol. sites	0.01	-4.4
Coldwater fishing	-0.01	-10.2
Waterskiing	-0.01	-13.2
Migratory bird hunting	0.00	-13.5
Rafting	-0.02	-15.3
Saltwater fishing	-0.04	-18.5
Snorkeling or scuba diving	-0.04	-33.8
Canoeing	-0.07	-53.8

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	21.6	10.8	2.00
Big game hunting	13.4	8.6	1.56
Backpacking	9.1	6.1	1.49
Primitive camping	10.2	6.9	1.48
Mountain biking	30.9	21.4	1.44
Drive off-road	24.5	17.5	1.40
Warmwater fishing	39.1	28.5	1.37
Developed camping	17.1	14.0	1.22
Day hiking	16.9	13.9	1.22
Visit a wilderness or other primitive area	29.5	25.1	1.18
Swimming in natural water	49.0	47.2	1.04
Visit waterside besides beach	29.1	28.3	1.03
View wildlife	40.7	40.9	1.00
View or photograph fish	28.3	28.5	0.99
Gather mushrooms, berries, etc.	24.3	25.2	0.96
Horseback riding on trails	4.3	5.0	0.86
View/photograph wildflowers, trees, etc.	30.2	36.7	0.82
Horseback riding	4.6	5.7	0.81
View birds	19.8	28.6	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 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	35.2	28.6	1.23
Horseback riding	6.5	5.7	1.14
View/photograph wildflowers, trees, etc.	41.5	36.7	1.13
Horseback riding on trails	5.4	5.0	1.08
Gather mushrooms, berries, etc.	25.9	25.2	1.03
View wildlife	41.0	40.9	1.00
View or photograph fish	28.6	28.5	1.00
Visit waterside besides beach	27.6	28.3	0.98
Swimming in natural water	45.8	47.2	0.97
Visit a wilderness or other primitive area	21.7	25.1	0.86
Day hiking	11.6	13.9	0.83
Developed camping	11.6	14.0	0.83
Warmwater fishing	20.8	28.5	0.73
Drive off-road	12.5	17.5	0.71
Mountain biking	14.6	21.4	0.68
Primitive camping	4.4	6.9	0.64
Backpacking	3.9	6.1	0.64
Big game hunting	5.2	8.6	0.60
Small game hunting	3.0	10.8	0.28

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 %
Horseback riding on trails	11.4	5.0	2.28
Backpacking	13.6	6.2	2.19
Horseback riding	11.8	5.8	2.03
Visit waterside besides beach	35.3	28.6	1.23
Mountain biking	25.8	21.7	1.19
Primitive camping	8.3	7.0	1.19
Drive off-road	19.3	17.4	1.11
Warmwater fishing	31.8	28.8	1.10
Swimming in natural water	48.9	47.2	1.04
Big game hunting	9.0	8.7	1.03
Visit a wilderness or other primitive area	25.0	25.1	1.00
Developed camping	12.8	14.2	0.90
Gather mushrooms, berries, etc.	19.0	25.4	0.75
Day hiking	10.1	13.7	0.74
View wildlife	28.7	40.7	0.71
Small game hunting	7.5	10.9	0.69
View/photograph wildflowers, trees, etc.	20.3	36.3	0.56
View or photograph fish	16.1	28.6	0.56
View birds	9.2	28.5	0.32

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 %
Big game hunting	18.6	8.7	2.14
Primitive camping	12.3	7.0	1.76
Drive off-road	29.5	17.4	1.70
Backpacking	9.3	6.2	1.50
Gather mushrooms, berries, etc.	37.6	25.4	1.48
Visit a wilderness or other primitive area	35.0	25.1	1.39
Small game hunting	15.1	10.9	1.39
Visit waterside besides beach	37.4	28.6	1.31
View wildlife	53.1	40.7	1.30
Day hiking	16.6	13.7	1.21
Horseback riding	7.0	5.8	1.21
Horseback riding on trails	5.9	5.0	1.18
Swimming in natural water	55.1	47.2	1.17
Warmwater fishing	32.6	28.8	1.13
Mountain biking	23.3	21.7	1.07
View/photograph wildflowers, trees, etc.	35.6	36.3	0.98
View birds	26.7	28.5	0.94
View or photograph fish	24.1	28.6	0.84
Developed camping	11.1	14.2	0.78

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		Ratio of strata % to market area %
	35-44	Total Market Area	
Developed camping	30.2	14.2	2.13
Day hiking	22.9	13.7	1.67
View or photograph fish	47.0	28.6	1.64
Swimming in natural water	74.1	47.2	1.57
View birds	41.5	28.5	1.46
Mountain biking	30.6	21.7	1.41
Primitive camping	9.7	7.0	1.39
Visit waterside besides beach	39.3	28.6	1.37
Gather mushrooms, berries, etc.	34.7	25.4	1.37
Drive off-road	21.9	17.4	1.26
Warmwater fishing	36.0	28.8	1.25
View wildlife	47.7	40.7	1.17
Visit a wilderness or other primitive area	29.4	25.1	1.17
View/photograph wildflowers, trees, etc.	41.9	36.3	1.15
Small game hunting	10.8	10.9	0.99
Big game hunting	8.4	8.7	0.97
Horseback riding on trails	3.7	5.0	0.74
Horseback riding	3.5	5.8	0.60
Backpacking	3.0	6.2	0.48

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	8.8	5.8	1.52
View or photograph fish	40.6	28.6	1.42
Warmwater fishing	39.4	28.8	1.37
Horseback riding on trails	6.4	5.0	1.28
Backpacking	7.9	6.2	1.27
View wildlife	47.0	40.7	1.15
Day hiking	15.4	13.7	1.12
View/photograph wildflowers, trees, etc.	40.3	36.3	1.11
Small game hunting	11.8	10.9	1.08
Visit a wilderness or other primitive area	24.8	25.1	0.99
View birds	27.4	28.5	0.96
Visit waterside besides beach	26.2	28.6	0.92
Mountain biking	19.7	21.7	0.91
Developed camping	11.8	14.2	0.83
Gather mushrooms, berries, etc.	20.7	25.4	0.81
Big game hunting	7.0	8.7	0.80
Swimming in natural water	37.0	47.2	0.78
Primitive camping	5.3	7.0	0.76
Drive off-road	10.5	17.4	0.60

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 %
Small game hunting	18.7	10.9	1.72
View/photograph wildflowers, trees, etc.	40.7	36.3	1.12
Mountain biking	23.9	21.7	1.10
Visit a wilderness or other primitive area	23.2	25.1	0.92
View birds	25.5	28.5	0.89
View wildlife	33.5	40.7	0.82
Day hiking	10.6	13.7	0.77
Gather mushrooms, berries, etc.	17.9	25.4	0.70
Swimming in natural water	31.9	47.2	0.68
Big game hunting	5.8	8.7	0.67
Warmwater fishing	18.1	28.8	0.63
View or photograph fish	15.3	28.6	0.53
Developed camping	6.9	14.2	0.49
Visit waterside besides beach	10.1	28.6	0.35
Drive off-road	5.7	17.4	0.33
Horseback riding on trails	1.4	5.0	0.28
Horseback riding	1.3	5.8	0.22
Primitive camping	1.5	7.0	0.21
Backpacking	0.0	6.2	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 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	45.2	28.5	1.59
View/photograph wildflowers, trees, etc.	44.1	36.3	1.21
View or photograph fish	30.3	28.6	1.06
View wildlife	33.2	40.7	0.82
Gather mushrooms, berries, etc.	19.4	25.4	0.76
Developed camping	9.8	14.2	0.69
Drive off-road	11.9	17.4	0.68
Swimming in natural water	27.0	47.2	0.57
Visit waterside besides beach	16.0	28.6	0.56
Warmwater fishing	13.3	28.8	0.46
Visit a wilderness or other primitive area	9.4	25.1	0.37
Day hiking	4.9	13.7	0.36
Primitive camping	2.1	7.0	0.30
Mountain biking	3.9	21.7	0.18
Backpacking	0.4	6.2	0.06
Horseback riding	0.0	5.8	0.00
Horseback riding on trails	0.0	5.0	0.00
Big game hunting	0.0	8.7	0.00
Small game hunting	0.0	10.9	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 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 %
Small game hunting	16.2	11.7	1.38
Mountain biking	23.7	22.1	1.07
Gather mushrooms, berries, etc.	23.8	22.5	1.06
Visit a wilderness or other primitive area	20.6	23.7	0.87
View or photograph fish	22.4	26.8	0.84
View birds	23.0	28.1	0.82
Day hiking	10.9	13.5	0.81
Primitive camping	6.0	7.8	0.77
Horseback riding	4.4	6.1	0.72
View wildlife	27.5	41.4	0.66
Warmwater fishing	18.8	28.6	0.66
Drive off-road	10.7	17.7	0.60
View/photograph wildflowers, trees, etc.	20.2	34.8	0.58
Swimming in natural water	26.2	47.7	0.55
Visit waterside besides beach	16.0	31.1	0.51
Horseback riding on trails	2.7	5.3	0.51
Big game hunting	3.9	8.0	0.49
Backpacking	2.8	6.5	0.43
Developed camping	4.5	13.3	0.34

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 %
Backpacking	11.1	6.5	1.71
View/photograph wildflowers, trees, etc.	42.5	34.8	1.22
Day hiking	15.4	13.5	1.14
View birds	28.8	28.1	1.02
Swimming in natural water	48.4	47.7	1.01
Drive off-road	17.9	17.7	1.01
View wildlife	41.2	41.4	1.00
Warmwater fishing	28.4	28.6	0.99
View or photograph fish	26.6	26.8	0.99
Mountain biking	21.9	22.1	0.99
Developed camping	13.1	13.3	0.98
Visit a wilderness or other primitive area	20.7	23.7	0.87
Visit waterside besides beach	24.8	31.1	0.80
Gather mushrooms, berries, etc.	14.0	22.5	0.62
Primitive camping	3.7	7.8	0.47
Big game hunting	3.5	8.0	0.44
Horseback riding	2.6	6.1	0.43
Horseback riding on trails	2.3	5.3	0.43
Small game hunting	3.3	11.7	0.28

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 %
Primitive camping	15.4	7.8	1.97
Gather mushrooms, berries, etc.	42.3	22.5	1.88
Big game hunting	13.4	8.0	1.68
View birds	46.1	28.1	1.64
Small game hunting	18.7	11.7	1.60
Developed camping	21.2	13.3	1.59
Visit waterside besides beach	43.5	31.1	1.40
View wildlife	56.2	41.4	1.36
Swimming in natural water	64.3	47.7	1.35
Drive off-road	23.6	17.7	1.33
Warmwater fishing	34.6	28.6	1.21
Visit a wilderness or other primitive area	28.6	23.7	1.21
View or photograph fish	29.1	26.8	1.09
View/photograph wildflowers, trees, etc.	36.1	34.8	1.04
Horseback riding	6.3	6.1	1.03
Day hiking	12.3	13.5	0.91
Horseback riding on trails	4.8	5.3	0.91
Mountain biking	19.5	22.1	0.88
Backpacking	1.5	6.5	0.23

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 %
Horseback riding on trails	15.7	5.3	2.96
Horseback riding	14.7	6.1	2.41
Big game hunting	17.6	8.0	2.20
Small game hunting	19.5	11.7	1.67
Visit a wilderness or other primitive area	36.2	23.7	1.53
View or photograph fish	39.8	26.8	1.49
Drive off-road	26.4	17.7	1.49
Backpacking	9.6	6.5	1.48
Warmwater fishing	41.8	28.6	1.46
Primitive camping	11.3	7.8	1.45
Visit waterside besides beach	44.4	31.1	1.43
Swimming in natural water	66.3	47.7	1.39
Mountain biking	27.8	22.1	1.26
View/photograph wildflowers, trees, etc.	43.0	34.8	1.24
View wildlife	50.0	41.4	1.21
Developed camping	15.2	13.3	1.14
Day hiking	13.9	13.5	1.03
View birds	27.6	28.1	0.98
Gather mushrooms, berries, etc.	19.8	22.5	0.88

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 %
Visit waterside besides beach	40.7	31.1	1.31
Developed camping	17.0	13.3	1.28
Horseback riding	6.6	6.1	1.08
Day hiking	13.9	13.5	1.03
Primitive camping	7.6	7.8	0.97
Big game hunting	7.6	8.0	0.95
Gather mushrooms, berries, etc.	21.0	22.5	0.93
View wildlife	36.5	41.4	0.88
Swimming in natural water	39.4	47.7	0.83
Warmwater fishing	23.3	28.6	0.81
View/photograph wildflowers, trees, etc.	27.5	34.8	0.79
Horseback riding on trails	4.2	5.3	0.79
Mountain biking	15.1	22.1	0.68
Drive off-road	11.8	17.7	0.67
Visit a wilderness or other primitive area	14.9	23.7	0.63
View or photograph fish	16.0	26.8	0.60
Backpacking	3.6	6.5	0.55
View birds	14.3	28.1	0.51
Small game hunting	5.0	11.7	0.43

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	19.7	13.2	1.49
Primitive camping	9.7	6.5	1.49
Backpacking	9.1	6.1	1.49
Horseback riding	7.2	5.2	1.38
Horseback riding on trails	6.5	4.8	1.35
View birds	36.2	28.5	1.27
Big game hunting	11.3	8.9	1.27
Warmwater fishing	35.5	28.2	1.26
Swimming in natural water	55.8	46.2	1.21
Visit waterside besides beach	32.6	27.0	1.21
Developed camping	16.9	14.0	1.21
View/photograph wildflowers, trees, etc.	44.2	37.3	1.18
Visit a wilderness or other primitive area	29.0	24.6	1.18
View wildlife	47.5	40.8	1.16
Drive off-road	19.3	17.7	1.09
View or photograph fish	30.4	29.0	1.05
Gather mushrooms, berries, etc.	26.1	25.7	1.02
Mountain biking	19.5	21.8	0.89
Small game hunting	9.1	10.3	0.88

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	27.1	21.8	1.24
Small game hunting	12.7	10.3	1.23
View or photograph fish	26.6	29.0	0.92
Gather mushrooms, berries, etc.	23.3	25.7	0.91
Drive off-road	16.0	17.7	0.90
Visit a wilderness or other primitive area	16.1	24.6	0.65
View wildlife	25.8	40.8	0.63
Visit waterside besides beach	17.1	27.0	0.63
Developed camping	8.6	14.0	0.61
Swimming in natural water	26.5	46.2	0.57
View/photograph wildflowers, trees, etc.	21.4	37.3	0.57
Big game hunting	5.0	8.9	0.56
Warmwater fishing	15.1	28.2	0.54
View birds	14.2	28.5	0.50
Horseback riding on trails	1.2	4.8	0.25
Horseback riding	1.2	5.2	0.23
Backpacking	0.8	6.1	0.13
Primitive camping	0.8	6.5	0.12
Day hiking	0.4	13.2	0.03

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 %
Horseback riding on trails	9.4	4.8	1.96
Gather mushrooms, berries, etc.	49.6	25.7	1.93
Horseback riding	9.4	5.2	1.81
View/photograph wildflowers, trees, etc.	62.3	37.3	1.67
View wildlife	58.8	40.8	1.44
Warmwater fishing	38.3	28.2	1.36
Swimming in natural water	59.5	46.2	1.29
Visit a wilderness or other primitive area	24.9	24.6	1.01
Day hiking	12.8	13.2	0.97
View or photograph fish	25.1	29.0	0.87
Developed camping	8.7	14.0	0.62
Visit waterside besides beach	12.1	27.0	0.45
Big game hunting	3.9	8.9	0.44
View birds	12.1	28.5	0.42
Mountain biking	8.7	21.8	0.40
Small game hunting	3.9	10.3	0.38
Backpacking	0.0	6.1	0.00
Primitive camping	0.0	6.5	0.00
Drive off-road	0.0	17.7	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 \$10,000

Activity	Percent participating		
	\$<10k	Total Market Area	Ratio of strata % to market area %
Small game hunting	88.9	23.6	3.77
Mountain biking	89.5	30.5	2.93
Horseback riding on trails	4.9	5.5	0.89
Horseback riding	4.9	6.5	0.75
Developed camping	4.9	15.3	0.32
Warmwater fishing	10.3	40.7	0.25
Day hiking	4.9	21.5	0.23
View wildlife	10.3	50.1	0.21
Swimming in natural water	10.3	53.5	0.19
Gather mushrooms, berries, etc.	4.9	26.1	0.19
View or photograph fish	4.9	29.4	0.17
Visit waterside besides beach	4.9	30.8	0.16
View birds	4.9	31.7	0.15
Visit a wilderness or other primitive area	4.9	35.1	0.14
View/photograph wildflowers, trees, etc.	4.9	41.5	0.12
Backpacking	0.0	4.9	0.00
Primitive camping	0.0	11.7	0.00
Big game hunting	0.0	9.6	0.00
Drive off-road	0.0	18.5	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.2--Outdoor recreation participation by demographic strata:  
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$10,000 to \$19,999

Activity	Percent participating		
	\$10-19. 999k	Total Market Area	Ratio of strata % to market area %
Visit a wilderness or other primitive area	53.2	35.1	1.52
View/photograph wildflowers, trees, etc.	61.3	41.5	1.48
Backpacking	6.6	4.9	1.35
View wildlife	65.5	50.1	1.31
Developed camping	18.8	15.3	1.23
Warmwater fishing	47.3	40.7	1.16
View or photograph fish	31.3	29.4	1.06
Primitive camping	12.4	11.7	1.06
View birds	31.4	31.7	0.99
Gather mushrooms, berries, etc.	25.4	26.1	0.97
Swimming in natural water	51.6	53.5	0.96
Day hiking	19.0	21.5	0.88
Drive off-road	16.1	18.5	0.87
Visit waterside besides beach	24.2	30.8	0.79
Mountain biking	19.1	30.5	0.63
Horseback riding	0.0	6.5	0.00
Horseback riding on trails	0.0	5.5	0.00
Big game hunting	0.0	9.6	0.00
Small game hunting	0.0	23.6	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.3--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 %
Drive off-road	25.8	18.5	1.39
View birds	40.6	31.7	1.28
View or photograph fish	33.0	29.4	1.12
View/photograph wildflowers, trees, etc.	45.7	41.5	1.10
Mountain biking	31.5	30.5	1.03
Visit a wilderness or other primitive area	30.7	35.1	0.87
Day hiking	18.7	21.5	0.87
View wildlife	42.9	50.1	0.86
Warmwater fishing	34.8	40.7	0.86
Visit waterside besides beach	23.6	30.8	0.77
Swimming in natural water	40.7	53.5	0.76
Big game hunting	4.8	9.6	0.50
Primitive camping	4.5	11.7	0.38
Developed camping	4.5	15.3	0.29
Small game hunting	4.8	23.6	0.20
Gather mushrooms, berries, etc.	4.2	26.1	0.16
Horseback riding	0.0	6.5	0.00
Horseback riding on trails	0.0	5.5	0.00
Backpacking	0.0	4.9	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.4- 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	26.1	9.6	2.72
Backpacking	13.3	4.9	2.71
Primitive camping	23.5	11.7	2.01
Developed camping	26.3	15.3	1.72
Warmwater fishing	62.6	40.7	1.54
View or photograph fish	44.1	29.4	1.50
View wildlife	73.9	50.1	1.48
Visit a wilderness or other primitive area	50.7	35.1	1.44
Visit waterside besides beach	42.5	30.8	1.38
Horseback riding on trails	7.5	5.5	1.36
Swimming in natural water	67.5	53.5	1.26
Gather mushrooms, berries, etc.	32.8	26.1	1.26
Day hiking	27.0	21.5	1.26
Horseback riding	7.5	6.5	1.15
View/photograph wildflowers, trees, etc.	41.7	41.5	1.00
Small game hunting	23.0	23.6	0.97
Drive off-road	17.5	18.5	0.95
View birds	24.4	31.7	0.77
Mountain biking	12.6	30.5	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 4e. 5--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 %
Drive off-road	37.7	18.5	2.04
Visit waterside besides beach	40.6	30.8	1.32
Backpacking	6.2	4.9	1.27
Mountain biking	36.0	30.5	1.18
View/photograph wildflowers, trees, etc.	39.5	41.5	0.95
Horseback riding	6.2	6.5	0.95
View birds	27.9	31.7	0.88
Visit a wilderness or other primitive area	30.4	35.1	0.87
Gather mushrooms, berries, etc.	20.7	26.1	0.79
Swimming in natural water	40.6	53.5	0.76
View wildlife	34.1	50.1	0.68
Day hiking	12.2	21.5	0.57
View or photograph fish	12.4	29.4	0.42
Warmwater fishing	16.4	40.7	0.40
Small game hunting	7.6	23.6	0.32
Developed camping	4.4	15.3	0.29
Horseback riding on trails	0.0	5.5	0.00
Primitive camping	0.0	11.7	0.00
Big game hunting	0.0	9.6	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.6--Outdoor recreation participation by demographic strata:  
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$50,000 to \$59,999

Activity	Percent participating		
	\$50-59. 999k	Total Market Area	Ratio of strata % to market area %
Horseback riding on trails	10.7	5.5	1.95
Horseback riding	9.7	6.5	1.49
View birds	39.8	31.7	1.26
Big game hunting	11.1	9.6	1.16
Warmwater fishing	41.4	40.7	1.02
View or photograph fish	30.0	29.4	1.02
View/photograph wildflowers, trees, etc.	39.0	41.5	0.94
Swimming in natural water	43.6	53.5	0.81
Gather mushrooms, berries, etc.	18.5	26.1	0.71
Drive off-road	11.1	18.5	0.60
View wildlife	26.6	50.1	0.53
Mountain biking	11.8	30.5	0.39
Day hiking	8.4	21.5	0.39
Visit a wilderness or other primitive area	10.0	35.1	0.28
Visit waterside besides beach	8.4	30.8	0.27
Backpacking	0.0	4.9	0.00
Developed camping	0.0	15.3	0.00
Primitive camping	0.0	11.7	0.00
Small game hunting	0.0	23.6	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.7--Outdoor recreation participation by demographic strata:  
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$60,000 to \$74,999

Activity	Percent participating		
	\$60-74. 999k	Total Market Area	Ratio of strata % to market area %
Horseback riding	13.4	6.5	2.06
Horseback riding on trails	11.0	5.5	2.00
Gather mushrooms, berries, etc.	50.3	26.1	1.93
Small game hunting	44.1	23.6	1.87
Day hiking	39.1	21.5	1.82
Primitive camping	21.3	11.7	1.82
Big game hunting	16.9	9.6	1.76
Visit waterside besides beach	53.2	30.8	1.73
Developed camping	24.1	15.3	1.58
Warmwater fishing	63.8	40.7	1.57
Swimming in natural water	76.7	53.5	1.43
View/photograph wildflowers, trees, etc.	55.0	41.5	1.33
Visit a wilderness or other primitive area	44.5	35.1	1.27
View birds	38.2	31.7	1.21
Mountain biking	35.7	30.5	1.17
Drive off-road	20.0	18.5	1.08
View wildlife	53.6	50.1	1.07
View or photograph fish	30.9	29.4	1.05
Backpacking	0.0	4.9	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. 8--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 %
Horseback riding on trails	12.9	5.5	2.35
Horseback riding	12.9	6.5	1.98
Swimming in natural water	80.7	53.5	1.51
View wildlife	73.3	50.1	1.46
Gather mushrooms, berries, etc.	37.9	26.1	1.45
View or photograph fish	36.9	29.4	1.26
Visit waterside besides beach	27.6	30.8	0.90
View birds	26.0	31.7	0.82
Warmwater fishing	30.1	40.7	0.74
Drive off-road	10.5	18.5	0.57
Day hiking	10.6	21.5	0.49
Visit a wilderness or other primitive area	14.7	35.1	0.42
View/photograph wildflowers, trees, etc.	15.8	41.5	0.38
Mountain biking	0.0	30.5	0.00
Backpacking	0.0	4.9	0.00
Developed camping	0.0	15.3	0.00
Primitive camping	0.0	11.7	0.00
Big game hunting	0.0	9.6	0.00
Small game hunting	0.0	23.6	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.9--Outdoor recreation participation by demographic strata:  
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$100,000 to \$124,999

Activity	Percent participating		
	\$100- 124.999k	Total Market Area	Ratio of strata % to market area %
Drive off-road	58.7	18.5	3.17
View birds	100.0	31.7	3.15
Developed camping	43.0	15.3	2.81
Primitive camping	17.2	11.7	1.47
View/photograph wildflowers, trees, etc.	58.4	41.5	1.41
Mountain biking	43.0	30.5	1.41
Day hiking	25.8	21.5	1.20
View or photograph fish	32.6	29.4	1.11
Swimming in natural water	50.3	53.5	0.94
Gather mushrooms, berries, etc.	17.2	26.1	0.66
Warmwater fishing	22.7	40.7	0.56
View wildlife	25.8	50.1	0.51
Visit a wilderness or other primitive area	17.2	35.1	0.49
Horseback riding	0.0	6.5	0.00
Horseback riding on trails	0.0	5.5	0.00
Backpacking	0.0	4.9	0.00
Big game hunting	0.0	9.6	0.00
Small game hunting	0.0	23.6	0.00
Visit waterside besides beach	0.0	30.8	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.10--Outdoor recreation participation by demographic strata:  
Most popular National Forest-based activities

Demographic category= INCOME, Strata= \$125,000 to \$149,999

Activity	Percent participating		
	\$125- 149.999k	Total Market Area	Ratio of strata % to market area %
Backpacking	55.6	4.9	11.35
Primitive camping	55.6	11.7	4.75
Small game hunting	100.0	23.6	4.24
Big game hunting	37.0	9.6	3.85
Horseback riding on trails	20.6	5.5	3.75
Developed camping	55.6	15.3	3.63
Horseback riding	20.6	6.5	3.17
Day hiking	55.6	21.5	2.59
Visit a wilderness or other primitive area	79.4	35.1	2.26
Gather mushrooms, berries, etc.	55.6	26.1	2.13
Mountain biking	55.6	30.5	1.82
Visit waterside besides beach	35.1	30.8	1.14
Swimming in natural water	35.1	53.5	0.66
Drive off-road	0.0	18.5	0.00
Warmwater fishing	0.0	40.7	0.00
View birds	0.0	31.7	0.00
View or photograph fish	0.0	29.4	0.00
View wildlife	0.0	50.1	0.00
View/photograph wildflowers, trees, etc.	0.0	41.5	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 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 %
Horseback riding	8.0	5.7	1.40
Big game hunting	11.2	8.6	1.30
View birds	34.7	28.6	1.21
View wildlife	48.3	40.9	1.18
Gather mushrooms, berries, etc.	27.4	25.2	1.09
View/photograph wildflowers, trees, etc.	38.2	36.7	1.04
Developed camping	14.5	14.0	1.04
View or photograph fish	29.0	28.5	1.02
Horseback riding on trails	5.1	5.0	1.02
Warmwater fishing	28.5	28.5	1.00
Small game hunting	10.5	10.8	0.97
Day hiking	12.2	13.9	0.88
Mountain biking	18.6	21.4	0.87
Visit waterside besides beach	24.3	28.3	0.86
Visit a wilderness or other primitive area	21.4	25.1	0.85
Drive off-road	13.4	17.5	0.77
Primitive camping	5.1	6.9	0.74
Swimming in natural water	29.7	47.2	0.63
Backpacking	2.7	6.1	0.44

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 %
Backpacking	7.9	6.1	1.30
Swimming in natural water	55.8	47.2	1.18
Primitive camping	7.7	6.9	1.12
Drive off-road	19.5	17.5	1.11
Visit waterside besides beach	30.2	28.3	1.07
Visit a wilderness or other primitive area	26.9	25.1	1.07
Mountain biking	22.9	21.4	1.07
Day hiking	14.7	13.9	1.06
Small game hunting	10.9	10.8	1.01
Warmwater fishing	28.6	28.5	1.00
View or photograph fish	28.3	28.5	0.99
Developed camping	13.8	14.0	0.99
Horseback riding on trails	4.9	5.0	0.98
View/photograph wildflowers, trees, etc.	35.9	36.7	0.98
Gather mushrooms, berries, etc.	24.1	25.2	0.96
View wildlife	37.3	40.9	0.91
View birds	25.6	28.6	0.90
Big game hunting	7.4	8.6	0.86
Horseback riding	4.5	5.7	0.79

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	36.78
View wildlife	35.24
Swimming in natural water	29.80
Warmwater fishing	26.31
Developed camping	19.80
Day hiking	19.62
Drive off-road	18.33
Primitive camping	15.26
View or photograph fish	10.47
Big game hunting	7.54
Horseback riding	6.77
Small game hunting	6.27
Backpacking	6.17

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
Swimming in natural water	33.82
View birds	33.39
Warmwater fishing	32.86
View wildlife	32.03
Developed camping	20.05
View or photograph fish	18.23
Drive off-road	17.75
Day hiking	15.76
Primitive camping	15.62
Big game hunting	9.26
Small game hunting	9.12
Horseback riding	8.87
Backpacking	3.38

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

## FRANCIS MARION NATIONAL FOREST

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

Demographic group	Bicycling		Ratio (1)/(2)	Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA		
Male	53.9	43.0	1.25	48.2
Female	46.1	57.0	0.81	51.8
White, non-Hispanic	63.2	63.9	0.99	71.3
Black, non-Hispanic	33.8	32.6	1.04	12.2
Amer. Indian, non-H	0.7	1.2	0.58	0.7
Asian/PI, non-Hispanic	2.3	1.1	2.09	3.8
Hispanic	.	1.2	.	11.9
16-24	23.3	20.3	1.15	16.2
25-34	16.1	18.5	0.87	17.4
35-44	21.4	17.8	1.20	21.0
45-54	17.2	14.2	1.21	17.7
55-64	15.2	14.7	1.03	11.3
65+	6.8	14.5	0.47	16.4
<\$15,000	6.5	6.0	1.08	10.6
\$15,000-\$24,999	8.6	6.0	1.43	12.0
\$25,000-\$49,999	17.6	18.1	0.97	28.3
\$50,000-\$74,999	11.1	10.9	1.02	21.2
\$75,000-\$99,999	4.9	5.0	0.98	12.7
\$100,000+	11.1	5.6	1.98	15.2
Don't know	0.9	4.7	0.19	.
Refused	39.3	43.6	0.90	.
U. S. citizen	98.7	99.2	0.99	90.5
Foreign born	1.3	0.8	1.63	9.5
Non-metro resident	28.2	33.2	0.85	19.8
Metro area resident	71.8	66.8	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

## FRANCIS MARION NATIONAL FOREST

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	60.6	43.0	1.41	48.2
Female	39.4	57.0	0.69	51.8
White, non-Hispanic	55.9	63.9	0.87	71.3
Black, non-Hispanic	41.1	32.6	1.26	12.2
Amer. Indian, non-H	1.0	1.2	0.83	0.7
Asian/PI, non-Hispanic	2.1	1.1	1.91	3.8
Hispanic	.	1.2	.	11.9
16-24	22.2	20.3	1.09	16.2
25-34	19.9	18.5	1.08	17.4
35-44	25.2	17.8	1.42	21.0
45-54	13.3	14.2	0.94	17.7
55-64	16.7	14.7	1.14	11.3
65+	2.7	14.5	0.19	16.4
<\$15,000	11.5	6.0	1.92	10.6
\$15,000-\$24,999	12.7	6.0	2.12	12.0
\$25,000-\$49,999	17.3	18.1	0.96	28.3
\$50,000-\$74,999	11.8	10.9	1.08	21.2
\$75,000-\$99,999	3.4	5.0	0.68	12.7
\$100,000+	4.6	5.6	0.82	15.2
Don't know	2.0	4.7	0.43	.
Refused	36.7	43.6	0.84	.
U. S. citizen	98.6	99.2	0.99	90.5
Foreign born	1.4	0.8	1.75	9.5
Non-metro resident	29.1	33.2	0.88	19.8
Metro area resident	70.9	66.8	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

## FRANCIS MARION NATIONAL FOREST

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

Demographic group	Horseback Riding			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	34.8	43.0	0.81
Female	65.2	57.0	1.14	51.8
White, non-Hispanic	79.0	63.9	1.24	71.3
Black, non-Hispanic	7.1	32.6	0.22	12.2
Amer. Indian, non-H	3.9	1.2	3.25	0.7
Asian/PI, non-Hispanic	10.0	1.1	9.09	3.8
Hispanic	.	1.2	.	11.9
16-24	41.7	20.3	2.05	16.2
25-34	22.5	18.5	1.22	17.4
35-44	10.9	17.8	0.61	21.0
45-54	21.5	14.2	1.51	17.7
55-64	3.3	14.7	0.22	11.3
65+	.	14.5	.	16.4
<\$15,000	2.0	6.0	0.33	10.6
\$15,000-\$24,999	7.0	6.0	1.17	12.0
\$25,000-\$49,999	16.3	18.1	0.90	28.3
\$50,000-\$74,999	14.5	10.9	1.33	21.2
\$75,000-\$99,999	6.7	5.0	1.34	12.7
\$100,000+	6.3	5.6	1.13	15.2
Don't know	13.1	4.7	2.79	.
Refused	34.1	43.6	0.78	.
U. S. citizen	94.8	99.2	0.96	90.5
Foreign born	5.2	0.8	6.50	9.5
Non-metro resident	46.9	33.2	1.41	19.8
Metro area resident	53.1	66.8	0.79	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

## FRANCIS MARION NATIONAL FOREST

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	40.6	43.0	0.94
Female	59.4	57.0	1.04	51.8
White, non-Hispanic	61.3	63.9	0.96	71.3
Black, non-Hispanic	33.9	32.6	1.04	12.2
Amer. Indian, non-H	1.6	1.2	1.33	0.7
Asian/PI, non-Hispanic	1.5	1.1	1.36	3.8
Hispanic	1.6	1.2	1.33	11.9
16-24	13.4	20.3	0.66	16.2
25-34	21.2	18.5	1.15	17.4
35-44	23.1	17.8	1.30	21.0
45-54	12.4	14.2	0.87	17.7
55-64	14.6	14.7	0.99	11.3
65+	15.4	14.5	1.06	16.4
<\$15,000	8.9	6.0	1.48	10.6
\$15,000-\$24,999	6.5	6.0	1.08	12.0
\$25,000-\$49,999	20.4	18.1	1.13	28.3
\$50,000-\$74,999	12.7	10.9	1.17	21.2
\$75,000-\$99,999	5.9	5.0	1.18	12.7
\$100,000+	4.8	5.6	0.86	15.2
Don't know	1.1	4.7	0.23	.
Refused	39.7	43.6	0.91	.
U. S. citizen	98.8	99.2	1.00	90.5
Foreign born	1.2	0.8	1.50	9.5
Non-metro resident	28.9	33.2	0.87	19.8
Metro area resident	71.1	66.8	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

## FRANCIS MARION NATIONAL FOREST

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	41.2	43.0	0.96	48.2
Female	58.8	57.0	1.03	51.8
White, non-Hispanic	64.2	63.9	1.00	71.3
Black, non-Hispanic	33.6	32.6	1.03	12.2
Amer. Indian, non-H	1.2	1.2	1.00	0.7
Asian/PI, non-Hispanic	1.0	1.1	0.91	3.8
Hispanic	.	1.2	.	11.9
16-24	21.6	20.3	1.06	16.2
25-34	18.1	18.5	0.98	17.4
35-44	18.1	17.8	1.02	21.0
45-54	14.3	14.2	1.01	17.7
55-64	11.6	14.7	0.79	11.3
65+	16.4	14.5	1.13	16.4
<\$15,000	5.0	6.0	0.83	10.6
\$15,000-\$24,999	5.3	6.0	0.88	12.0
\$25,000-\$49,999	17.3	18.1	0.96	28.3
\$50,000-\$74,999	11.1	10.9	1.02	21.2
\$75,000-\$99,999	6.9	5.0	1.38	12.7
\$100,000+	4.8	5.6	0.86	15.2
Don't know	4.1	4.7	0.87	.
Refused	45.4	43.6	1.04	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	34.6	33.2	1.04	19.8
Metro area resident	65.4	66.8	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.

### III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

#### FRANCIS MARION NATIONAL FOREST

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	43.4	43.0	1.01
Female	56.6	57.0	0.99	51.8
White, non-Hispanic	70.7	63.9	1.11	71.3
Black, non-Hispanic	25.3	32.6	0.78	12.2
Amer. Indian, non-H	1.1	1.2	0.92	0.7
Asian/PI, non-Hispanic	2.0	1.1	1.82	3.8
Hispanic	0.8	1.2	0.67	11.9
16-24	17.9	20.3	0.88	16.2
25-34	20.0	18.5	1.08	17.4
35-44	24.0	17.8	1.35	21.0
45-54	14.1	14.2	0.99	17.7
55-64	10.6	14.7	0.72	11.3
65+	13.3	14.5	0.92	16.4
<\$15,000	3.7	6.0	0.62	10.6
\$15,000-\$24,999	7.5	6.0	1.25	12.0
\$25,000-\$49,999	20.5	18.1	1.13	28.3
\$50,000-\$74,999	13.4	10.9	1.23	21.2
\$75,000-\$99,999	6.2	5.0	1.24	12.7
\$100,000+	6.4	5.6	1.14	15.2
Don't know	5.1	4.7	1.09	.
Refused	37.2	43.6	0.85	.
U.S. citizen	99.5	99.2	1.00	90.5
Foreign born	0.5	0.8	0.63	9.5
Non-metro resident	27.8	33.2	0.84	19.8
Metro area resident	72.2	66.8	1.08	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

#### FRANCIS MARION NATIONAL FOREST

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	52.4	43.0	1.22	48.2
Female	47.6	57.0	0.84	51.8
White, non-Hispanic	82.1	63.9	1.28	71.3
Black, non-Hispanic	16.8	32.6	0.52	12.2
Amer. Indian, non-H	1.1	1.2	0.92	0.7
Asian/PI, non-Hispanic	.	1.1	.	3.8
Hispanic	.	1.2	.	11.9
16-24	18.4	20.3	0.91	16.2
25-34	24.3	18.5	1.31	17.4
35-44	21.7	17.8	1.22	21.0
45-54	8.2	14.2	0.58	17.7
55-64	14.1	14.7	0.96	11.3
65+	13.2	14.5	0.91	16.4
<\$15,000	8.1	6.0	1.35	10.6
\$15,000-\$24,999	2.7	6.0	0.45	12.0
\$25,000-\$49,999	23.3	18.1	1.29	28.3
\$50,000-\$74,999	11.3	10.9	1.04	21.2
\$75,000-\$99,999	2.7	5.0	0.54	12.7
\$100,000+	15.9	5.6	2.84	15.2
Don't know	0.4	4.7	0.09	.
Refused	35.6	43.6	0.82	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5

Non-metro resident	25.4	33.2	0.77	19.8
Metro area resident	74.6	66.8	1.12	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

#### FRANCIS MARION NATIONAL FOREST

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	45.7	43.0	
Female	54.3	57.0	0.95	51.8
White, non-Hispanic	66.1	63.9	1.03	71.3
Black, non-Hispanic	30.0	32.6	0.92	12.2
Amer. Indian, non-H	0.6	1.2	0.50	0.7
Asian/PI, non-Hispanic	1.6	1.1	1.45	3.8
Hispanic	1.6	1.2	1.33	11.9
16-24	23.1	20.3	1.14	16.2
25-34	22.1	18.5	1.19	17.4
35-44	19.7	17.8	1.11	21.0
45-54	12.9	14.2	0.91	17.7
55-64	13.7	14.7	0.93	11.3
65+	8.5	14.5	0.59	16.4
<\$15,000	3.6	6.0	0.60	10.6
\$15,000-\$24,999	6.3	6.0	1.05	12.0

\$25, 000- \$49, 999	18. 1	18. 1	1. 00	28. 3
\$50, 000- \$74, 999	12. 7	10. 9	1. 17	21. 2
\$75, 000- \$99, 999	4. 3	5. 0	0. 86	12. 7
\$100, 000+	5. 4	5. 6	0. 96	15. 2
Don' t know	3. 3	4. 7	0. 70	.
Refused	46. 3	43. 6	1. 06	.
	.	.	.	.
U. S. citizen	100. 0	99. 2	1. 01	90. 5
Foreign born	.	0. 8	.	9. 5
	.	.	.	.
Non-metro resident	22. 2	33. 2	0. 67	19. 8
Metro area resident	77. 8	66. 8	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

#### FRANCIS MARION NATIONAL FOREST

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	42. 2	43. 0	0. 98
Female	57. 8	57. 0	1. 01	51. 8
	.	.	.	.
White, non-Hispanic	65. 3	63. 9	1. 02	71. 3
Black, non-Hispanic	31. 2	32. 6	0. 96	12. 2
Amer. Indian, non-H	1. 4	1. 2	1. 17	0. 7
Asian/PI, non-Hisp.	1. 3	1. 1	1. 18	3. 8
Hispanic	0. 8	1. 2	0. 67	11. 9
	.	.	.	.
16-24	20. 5	20. 3	1. 01	16. 2

25-34	18.5	18.5	1.00	17.4
35-44	17.4	17.8	0.98	21.0
45-54	14.5	14.2	1.02	17.7
55-64	16.6	14.7	1.13	11.3
65+	12.6	14.5	0.87	16.4
	.	.	.	.
<\$15,000	6.5	6.0	1.08	10.6
\$15,000-\$24,999	7.2	6.0	1.20	12.0
\$25,000-\$49,999	18.0	18.1	0.99	28.3
\$50,000-\$74,999	11.2	10.9	1.03	21.2
\$75,000-\$99,999	4.8	5.0	0.96	12.7
\$100,000+	6.4	5.6	1.14	15.2
Don't know	3.7	4.7	0.79	.
Refused	42.3	43.6	0.97	.
	.	.	.	.
U.S. citizen	99.7	99.2	1.01	90.5
Foreign born	0.3	0.8	0.38	9.5
	.	.	.	.
Non-metro resident	33.0	33.2	0.99	19.8
Metro area resident	67.0	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

Demographic group	Hiking			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	52.4	43.0	1.22
Female	47.6	57.0	0.84	51.8

White, non-Hispanic	91.5	63.9	1.43	71.3
Black, non-Hispanic	1.1	32.6	0.03	12.2
Amer. Indian, non-H	2.1	1.2	1.75	0.7
Asian/PI, non-Hispanic	5.3	1.1	4.82	3.8
Hispanic	.	1.2	.	11.9
16-24	15.1	20.3	0.74	16.2
25-34	22.4	18.5	1.21	17.4
35-44	30.0	17.8	1.69	21.0
45-54	16.0	14.2	1.13	17.7
55-64	11.4	14.7	0.78	11.3
65+	5.1	14.5	0.35	16.4
<\$15,000	5.8	6.0	0.97	10.6
\$15,000-\$24,999	6.2	6.0	1.03	12.0
\$25,000-\$49,999	23.9	18.1	1.32	28.3
\$50,000-\$74,999	19.6	10.9	1.80	21.2
\$75,000-\$99,999	5.2	5.0	1.04	12.7
\$100,000+	5.8	5.6	1.04	15.2
Don't know	33.6	4.7	7.15	.
Refused	.	43.6	.	.
U.S. citizen	96.0	99.2	0.97	90.5
Foreign born	4.0	0.8	5.00	9.5
Non-metro resident	29.3	33.2	0.88	19.8
Metro area resident	70.7	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

Backpacking

Demographic group	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	64.0	43.0	1.49	48.2
Female	36.0	57.0	0.63	51.8
White, non-Hispanic	93.2	63.9	1.46	71.3
Black, non-Hispanic	4.2	32.6	0.13	12.2
Amer. Indian, non-H	2.7	1.2	2.25	0.7
Asian/PI, non-Hisp.	.	1.1	.	3.8
Hispanic	.	1.2	.	11.9
16-24	44.5	20.3	2.19	16.2
25-34	27.7	18.5	1.50	17.4
35-44	8.7	17.8	0.49	21.0
45-54	18.1	14.2	1.27	17.7
55-64	1.0	14.7	0.07	11.3
65+	.	14.5	.	16.4
<\$15,000	3.3	6.0	0.55	10.6
\$15,000-\$24,999	21.8	6.0	3.63	12.0
\$25,000-\$49,999	2.3	18.1	0.13	28.3
\$50,000-\$74,999	8.4	10.9	0.77	21.2
\$75,000-\$99,999	37.9	5.0	7.58	12.7
\$100,000+	26.2	5.6	4.68	15.2
Don't know	.	4.7	.	.
Refused	.	43.6	.	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	14.4	33.2	0.43	19.8
Metro area resident	85.6	66.8	1.28	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.

## FRANCIS MARION NATIONAL FOREST

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

Demographic group	Developed Camping			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	52.6	43.0	1.22
Female	47.4	57.0	0.83	51.8
White, non-Hispanic	75.5	63.9	1.18	71.3
Black, non-Hispanic	20.1	32.6	0.62	12.2
Amer. Indian, non-H	1.4	1.2	1.17	0.7
Asian/PI, non-Hisp.	3.1	1.1	2.82	3.8
Hispanic	.	1.2	.	11.9
16-24	18.4	20.3	0.91	16.2
25-34	14.4	18.5	0.78	17.4
35-44	38.1	17.8	2.14	21.0
45-54	11.8	14.2	0.83	17.7
55-64	7.2	14.7	0.49	11.3
65+	10.0	14.5	0.69	16.4
<\$15,000	4.7	6.0	0.78	10.6
\$15,000-\$24,999	8.4	6.0	1.40	12.0
\$25,000-\$49,999	23.1	18.1	1.28	28.3
\$50,000-\$74,999	20.0	10.9	1.83	21.2
\$75,000-\$99,999	1.3	5.0	0.26	12.7
\$100,000+	5.5	5.6	0.98	15.2
Don't know	37.1	4.7	7.89	.
Refused	.	43.6	.	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	34.3	33.2	1.03	19.8
Metro area resident	65.7	66.8	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.

### III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

#### FRANCIS MARION NATIONAL FOREST

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	63.9	43.0	1.49
Female	36.1	57.0	0.63	51.8
White, non-Hispanic	93.6	63.9	1.46	71.3
Black, non-Hispanic	3.9	32.6	0.12	12.2
Amer. Indian, non-H	2.5	1.2	2.08	0.7
Asian/PI, non-Hispanic	.	1.1	.	3.8
Hispanic	.	1.2	.	11.9
16-24	24.2	20.3	1.19	16.2
25-34	32.7	18.5	1.77	17.4
35-44	24.8	17.8	1.39	21.0
45-54	10.8	14.2	0.76	17.7
55-64	3.1	14.7	0.21	11.3
65+	4.4	14.5	0.30	16.4
<\$15,000	5.6	6.0	0.93	10.6
\$15,000-\$24,999	36.1	6.0	6.02	12.0
\$25,000-\$49,999	14.6	18.1	0.81	28.3
\$50,000-\$74,999	7.5	10.9	0.69	21.2
\$75,000-\$99,999	6.0	5.0	1.20	12.7
\$100,000+	30.2	5.6	5.39	15.2
Don't know	.	4.7	.	.
Refused	.	43.6	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	24.7	33.2	0.74	19.8
Metro area resident	75.3	66.8	1.13	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

#### FRANCIS MARION NATIONAL FOREST

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	50.7	43.0	1.18	48.2
Female	49.3	57.0	0.86	51.8
White, non-Hispanic	74.4	63.9	1.16	71.3
Black, non-Hispanic	21.5	32.6	0.66	12.2
Amer. Indian, non-H	0.8	1.2	0.67	0.7
Asian/PI, non-Hisp.	1.5	1.1	1.36	3.8
Hispanic	1.8	1.2	1.50	11.9
16-24	20.2	20.3	1.00	16.2
25-34	25.8	18.5	1.39	17.4
35-44	20.9	17.8	1.17	21.0
45-54	14.1	14.2	0.99	17.7
55-64	13.6	14.7	0.93	11.3
65+	5.4	14.5	0.37	16.4
<\$15,000	5.8	6.0	0.97	10.6
\$15,000-\$24,999	5.8	6.0	0.97	12.0
\$25,000-\$49,999	23.3	18.1	1.29	28.3
\$50,000-\$74,999	11.9	10.9	1.09	21.2
\$75,000-\$99,999	2.4	5.0	0.48	12.7
\$100,000+	4.3	5.6	0.77	15.2
Don't know	5.3	4.7	1.13	.
Refused	41.2	43.6	0.94	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	28.4	33.2	0.86	19.8

Metro area resident	71.6	66.8	1.07	80.2
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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

#### FRANCIS MARION NATIONAL FOREST

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	41.4	43.0	0.96
Female	58.6	57.0	1.03	51.8
White, non-Hispanic	64.2	63.9	1.00	71.3
Black, non-Hispanic	29.8	32.6	0.91	12.2
Amer. Indian, non-H	1.7	1.2	1.42	0.7
Asian/PI, non-Hisp.	2.7	1.1	2.45	3.8
Hispanic	1.7	1.2	1.42	11.9
16-24	15.2	20.3	0.75	16.2
25-34	27.4	18.5	1.48	17.4
35-44	24.4	17.8	1.37	21.0
45-54	11.6	14.2	0.82	17.7
55-64	10.4	14.7	0.71	11.3
65+	11.1	14.5	0.77	16.4
<\$15,000	7.2	6.0	1.20	10.6
\$15,000-\$24,999	4.6	6.0	0.77	12.0
\$25,000-\$49,999	20.6	18.1	1.14	28.3
\$50,000-\$74,999	18.2	10.9	1.67	21.2
\$75,000-\$99,999	3.7	5.0	0.74	12.7

\$100,000+	5.6	5.6	1.00	15.2
Don't know	0.9	4.7	0.19	.
Refused	39.1	43.6	0.90	.
	.	.	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
	.	.	.	.
Non-metro resident	36.0	33.2	1.08	19.8
Metro area resident	64.0	66.8	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.

### III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

#### FRANCIS MARION NATIONAL FOREST

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	65.1	43.0	1.51
Female	34.9	57.0	0.61	51.8
	.	.	.	.
White, non-Hispanic	78.6	63.9	1.23	71.3
Black, non-Hispanic	20.5	32.6	0.63	12.2
Amer. Indian, non-H	0.9	1.2	0.75	0.7
Asian/PI, non-Hisp.	.	1.1	.	3.8
Hispanic	.	1.2	.	11.9
	.	.	.	.
16-24	18.8	20.3	0.93	16.2
25-34	41.2	18.5	2.23	17.4
35-44	17.8	17.8	1.00	21.0

45-54	12.1	14.2	0.85	17.7
55-64	10.1	14.7	0.69	11.3
65+	.	14.5	.	16.4
	.	.	.	.
<\$15,000	17.2	6.0	2.87	10.6
\$15,000-\$24,999	24.0	6.0	4.00	12.0
\$25,000-\$49,999	1.4	18.1	0.08	28.3
\$50,000-\$74,999	12.9	10.9	1.18	21.2
\$75,000-\$99,999	44.6	5.0	8.92	12.7
\$100,000+	.	5.6	.	15.2
Don't know	.	4.7	.	.
Refused	.	43.6	.	.
	.	.	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
	.	.	.	.
Non-metro resident	42.5	33.2	1.28	19.8
Metro area resident	57.5	66.8	0.86	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

#### FRANCIS MARION NATIONAL FOREST

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	83.7	43.0	1.95	48.2
Female	16.3	57.0	0.29	51.8
	.	.	.	.
White, non-Hispanic	53.4	63.9	0.84	71.3

Black, non-Hispanic	43.8	32.6	1.34	12.2
Amer. Indian, non-H	0.8	1.2	0.67	0.7
Asian/PI, non-Hispanic	2.0	1.1	1.82	3.8
Hispanic	.	1.2	.	11.9
16-24	12.6	20.3	0.62	16.2
25-34	26.7	18.5	1.44	17.4
35-44	18.4	17.8	1.03	21.0
45-54	16.4	14.2	1.15	17.7
55-64	25.9	14.7	1.76	11.3
65+	.	14.5	.	16.4
<\$15,000	22.4	6.0	3.73	10.6
\$15,000-\$24,999	14.1	6.0	2.35	12.0
\$25,000-\$49,999	20.9	18.1	1.15	28.3
\$50,000-\$74,999	3.8	10.9	0.35	21.2
\$75,000-\$99,999	3.0	5.0	0.60	12.7
\$100,000+	35.8	5.6	6.39	15.2
Don't know	.	4.7	.	.
Refused	.	43.6	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	31.9	33.2	0.96	19.8
Metro area resident	68.1	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

#### Migratory Bird Hunting

% of                      % of all

Demographic group	participants in MARKET AREA	respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	71.0	43.0	1.65	48.2
Female	29.0	57.0	0.51	51.8
White, non-Hispanic	94.4	63.9	1.48	71.3
Black, non-Hispanic	5.6	32.6	0.17	12.2
Amer. Indian, non-H	.	1.2	.	0.7
Asian/PI, non-Hisp.	.	1.1	.	3.8
Hispanic	.	1.2	.	11.9
16-24	13.4	20.3	0.66	16.2
25-34	49.8	18.5	2.69	17.4
35-44	18.4	17.8	1.03	21.0
45-54	18.4	14.2	1.30	17.7
55-64	.	14.7	.	11.3
65+	.	14.5	.	16.4
<\$15,000	4.9	6.0	0.82	10.6
\$15,000-\$24,999	10.9	6.0	1.82	12.0
\$25,000-\$49,999	15.5	18.1	0.86	28.3
\$50,000-\$74,999	13.7	10.9	1.26	21.2
\$75,000-\$99,999	8.1	5.0	1.62	12.7
\$100,000+	46.8	5.6	8.36	15.2
Don't know	.	4.7	.	.
Refused	.	43.6	.	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	53.5	33.2	1.61	19.8
Metro area resident	46.5	66.8	0.70	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.

## FRANCIS MARION NATIONAL FOREST

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	37.1	43.0	0.86
Female	62.9	57.0	1.10	51.8
White, non-Hispanic	65.5	63.9	1.03	71.3
Black, non-Hispanic	31.5	32.6	0.97	12.2
Amer. Indian, non-H	0.8	1.2	0.67	0.7
Asian/PI, non-Hisp.	0.9	1.1	0.82	3.8
Hispanic	1.3	1.2	1.08	11.9
16-24	15.4	20.3	0.76	16.2
25-34	22.3	18.5	1.21	17.4
35-44	23.0	17.8	1.29	21.0
45-54	15.5	14.2	1.09	17.7
55-64	13.8	14.7	0.94	11.3
65+	10.1	14.5	0.70	16.4
<\$15,000	5.6	6.0	0.93	10.6
\$15,000-\$24,999	7.6	6.0	1.27	12.0
\$25,000-\$49,999	19.9	18.1	1.10	28.3
\$50,000-\$74,999	12.7	10.9	1.17	21.2
\$75,000-\$99,999	6.4	5.0	1.28	12.7
\$100,000+	4.8	5.6	0.86	15.2
Don't know	3.2	4.7	0.68	.
Refused	39.8	43.6	0.91	.
U. S. citizen	99.3	99.2	1.00	90.5
Foreign born	0.7	0.8	0.88	9.5
Non-metro resident	31.4	33.2	0.95	19.8
Metro area resident	68.6	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

Demographic group	Driving For Pleasure			Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	47.4	43.0	1.10	48.2
Female	52.6	57.0	0.92	51.8
White, non-Hispanic	71.4	63.9	1.12	71.3
Black, non-Hispanic	27.3	32.6	0.84	12.2
Amer. Indian, non-H	0.7	1.2	0.58	0.7
Asian/PI, non-Hispanic	0.7	1.1	0.64	3.8
Hispanic	.	1.2	.	11.9
16-24	18.9	20.3	0.93	16.2
25-34	24.7	18.5	1.34	17.4
35-44	21.9	17.8	1.23	21.0
45-54	13.2	14.2	0.93	17.7
55-64	12.6	14.7	0.86	11.3
65+	8.7	14.5	0.60	16.4
<\$15,000	5.1	6.0	0.85	10.6
\$15,000-\$24,999	8.6	6.0	1.43	12.0
\$25,000-\$49,999	18.3	18.1	1.01	28.3
\$50,000-\$74,999	13.7	10.9	1.26	21.2
\$75,000-\$99,999	5.6	5.0	1.12	12.7
\$100,000+	10.4	5.6	1.86	15.2
Don't know	2.9	4.7	0.62	.
Refused	35.3	43.6	0.81	.
U.S. citizen	99.3	99.2	1.00	90.5
Foreign born	0.7	0.8	0.88	9.5
Non-metro resident	31.6	33.2	0.95	19.8
Metro area resident	68.4	66.8	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

## FRANCIS MARION NATIONAL FOREST

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

Demographic group	Driving Off-road			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	58.4	43.0	1.36	48.2
Female	41.6	57.0	0.73	51.8
White, non-Hispanic	67.4	63.9	1.05	71.3
Black, non-Hispanic	30.7	32.6	0.94	12.2
Amer. Indian, non-H	1.8	1.2	1.50	0.7
Asian/PI, non-Hisp.	.	1.1	.	3.8
Hispanic	.	1.2	.	11.9
16-24	20.4	20.3	1.00	16.2
25-34	32.9	18.5	1.78	17.4
35-44	23.4	17.8	1.31	21.0
45-54	9.1	14.2	0.64	17.7
55-64	5.0	14.7	0.34	11.3
65+	9.3	14.5	0.64	16.4
<\$15,000	2.2	6.0	0.37	10.6
\$15,000-\$24,999	10.1	6.0	1.68	12.0
\$25,000-\$49,999	25.2	18.1	1.39	28.3
\$50,000-\$74,999	14.6	10.9	1.34	21.2
\$75,000-\$99,999	3.6	5.0	0.72	12.7
\$100,000+	3.3	5.6	0.59	15.2
Don't know	41.0	4.7	8.72	.
Refused	.	43.6	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	25.2	33.2	0.76	19.8
Metro area resident	74.8	66.8	1.12	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

#### FRANCIS MARION NATIONAL FOREST

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	49.7	43.0	1.16	48.2
Female	50.3	57.0	0.88	51.8
White, non-Hispanic	59.1	63.9	0.92	71.3
Black, non-Hispanic	31.1	32.6	0.95	12.2
Amer. Indian, non-H	4.6	1.2	3.83	0.7
Asian/PI, non-Hispanic	5.3	1.1	4.82	3.8
Hispanic	.	1.2	.	11.9
16-24	39.5	20.3	1.95	16.2
25-34	5.4	18.5	0.29	17.4
35-44	21.6	17.8	1.21	21.0
45-54	16.7	14.2	1.18	17.7
55-64	6.2	14.7	0.42	11.3
65+	10.5	14.5	0.72	16.4
<\$15,000	7.1	6.0	1.18	10.6
\$15,000-\$24,999	11.2	6.0	1.87	12.0
\$25,000-\$49,999	19.8	18.1	1.09	28.3
\$50,000-\$74,999	6.5	10.9	0.60	21.2
\$75,000-\$99,999	6.6	5.0	1.32	12.7
\$100,000+	5.3	5.6	0.95	15.2

Don't know	43.6	4.7	9.28	.
Refused	.	43.6	.	.
	.	.	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
	.	.	.	.
Non-metro resident	44.5	33.2	1.34	19.8
Metro area resident	55.5	66.8	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.

### III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

#### FRANCIS MARION NATIONAL FOREST

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	58.0	43.0	1.35
Female	42.0	57.0	0.74	51.8
	.	.	.	.
White, non-Hispanic	77.2	63.9	1.21	71.3
Black, non-Hispanic	19.2	32.6	0.59	12.2
Amer. Indian, non-H	2.1	1.2	1.75	0.7
Asian/PI, non-Hispanic	1.5	1.1	1.36	3.8
Hispanic	.	1.2	.	11.9
	.	.	.	.
16-24	21.4	20.3	1.05	16.2
25-34	19.7	18.5	1.06	17.4
35-44	22.4	17.8	1.26	21.0
45-54	20.0	14.2	1.41	17.7
55-64	9.3	14.7	0.63	11.3

65+	7.3	14.5	0.50	16.4
<\$15,000	3.8	6.0	0.63	10.6
\$15,000-\$24,999	5.1	6.0	0.85	12.0
\$25,000-\$49,999	20.3	18.1	1.12	28.3
\$50,000-\$74,999	20.7	10.9	1.90	21.2
\$75,000-\$99,999	4.4	5.0	0.88	12.7
\$100,000+	2.3	5.6	0.41	15.2
Don't know	5.8	4.7	1.23	.
Refused	37.5	43.6	0.86	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	35.1	33.2	1.06	19.8
Metro area resident	64.9	66.8	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.

### III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

#### FRANCIS MARION NATIONAL FOREST

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

Demographic group	Saltwater Fishing		Ratio (1)/(2)	Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA		
Male	58.0	43.0	1.35	48.2
Female	42.0	57.0	0.74	51.8
White, non-Hispanic	74.2	63.9	1.16	71.3
Black, non-Hispanic	22.8	32.6	0.70	12.2

Amer. Indian, non-H	1.0	1.2	0.83	0.7
Asian/PI, non-Hi sp.	2.0	1.1	1.82	3.8
Hispanic	.	1.2	.	11.9
	.	.	.	.
16-24	14.2	20.3	0.70	16.2
25-34	24.0	18.5	1.30	17.4
35-44	19.9	17.8	1.12	21.0
45-54	18.0	14.2	1.27	17.7
55-64	15.0	14.7	1.02	11.3
65+	8.9	14.5	0.61	16.4
	.	.	.	.
<\$15,000	4.8	6.0	0.80	10.6
\$15,000-\$24,999	1.9	6.0	0.32	12.0
\$25,000-\$49,999	25.9	18.1	1.43	28.3
\$50,000-\$74,999	13.4	10.9	1.23	21.2
\$75,000-\$99,999	3.7	5.0	0.74	12.7
\$100,000+	7.6	5.6	1.36	15.2
Don't know	3.5	4.7	0.74	.
Refused	39.1	43.6	0.90	.
	.	.	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
	.	.	.	.
Non-metro resident	29.2	33.2	0.88	19.8
Metro area resident	70.8	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

#### Canoeing

% of                      % of all

Demographic group	participants in MARKET AREA	respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	46.8	43.0	1.09	48.2
Female	53.2	57.0	0.93	51.8
White, non-Hispanic	79.7	63.9	1.25	71.3
Black, non-Hispanic	12.2	32.6	0.37	12.2
Amer. Indian, non-H	4.0	1.2	3.33	0.7
Asian/PI, non-Hisp.	4.2	1.1	3.82	3.8
Hispanic	.	1.2	.	11.9
16-24	25.4	20.3	1.25	16.2
25-34	23.0	18.5	1.24	17.4
35-44	25.5	17.8	1.43	21.0
45-54	15.9	14.2	1.12	17.7
55-64	7.4	14.7	0.50	11.3
65+	2.9	14.5	0.20	16.4
<\$15,000	14.3	6.0	2.38	10.6
\$15,000-\$24,999	5.2	6.0	0.87	12.0
\$25,000-\$49,999	20.7	18.1	1.14	28.3
\$50,000-\$74,999	10.9	10.9	1.00	21.2
\$75,000-\$99,999	48.9	5.0	9.78	12.7
\$100,000+	.	5.6	.	15.2
Don't know	.	4.7	.	.
Refused	.	43.6	.	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	43.7	33.2	1.32	19.8
Metro area resident	56.3	66.8	0.84	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.

## FRANCIS MARION NATIONAL FOREST

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	56.2	43.0	1.31
Female	43.8	57.0	0.77	51.8
White, non-Hispanic	54.9	63.9	0.86	71.3
Black, non-Hispanic	38.3	32.6	1.17	12.2
Amer. Indian, non-H	2.4	1.2	2.00	0.7
Asian/PI, non-Hisp.	4.4	1.1	4.00	3.8
Hispanic	.	1.2	.	11.9
16-24	26.7	20.3	1.32	16.2
25-34	37.5	18.5	2.03	17.4
35-44	29.0	17.8	1.63	21.0
45-54	6.9	14.2	0.49	17.7
55-64	.	14.7	.	11.3
65+	.	14.5	.	16.4
<\$15,000	9.4	6.0	1.57	10.6
\$15,000-\$24,999	16.7	6.0	2.78	12.0
\$25,000-\$49,999	9.9	18.1	0.55	28.3
\$50,000-\$74,999	3.6	10.9	0.33	21.2
\$75,000-\$99,999	2.2	5.0	0.44	12.7
\$100,000+	5.6	5.6	1.00	15.2
Don't know	52.6	4.7	11.19	.
Refused	.	43.6	.	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	11.5	33.2	0.35	19.8
Metro area resident	88.5	66.8	1.32	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

#### FRANCIS MARION NATIONAL FOREST

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

Demographic group	Motorboating			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	54.6	43.0	1.27	48.2
Female	45.4	57.0	0.80	51.8
White, non-Hispanic	82.0	63.9	1.28	71.3
Black, non-Hispanic	10.7	32.6	0.33	12.2
Amer. Indian, non-H	2.6	1.2	2.17	0.7
Asian/PI, non-Hispanic	4.1	1.1	3.73	3.8
Hispanic	0.7	1.2	0.58	11.9
16-24	14.4	20.3	0.71	16.2
25-34	26.5	18.5	1.43	17.4
35-44	24.4	17.8	1.37	21.0
45-54	16.6	14.2	1.17	17.7
55-64	8.4	14.7	0.57	11.3
65+	9.7	14.5	0.67	16.4
<\$15,000	5.1	6.0	0.85	10.6
\$15,000-\$24,999	8.5	6.0	1.42	12.0
\$25,000-\$49,999	18.3	18.1	1.01	28.3
\$50,000-\$74,999	18.4	10.9	1.69	21.2
\$75,000-\$99,999	7.2	5.0	1.44	12.7
\$100,000+	7.2	5.6	1.29	15.2
Don't know	5.5	4.7	1.17	.
Refused	29.9	43.6	0.69	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	22.8	33.2	0.69	19.8
Metro area resident	77.2	66.8	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

## FRANCIS MARION NATIONAL FOREST

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	42.9	43.0	1.00	48.2
Female	57.1	57.0	1.00	51.8
White, non-Hispanic	71.5	63.9	1.12	71.3
Black, non-Hispanic	13.5	32.6	0.41	12.2
Amer. Indian, non-H	11.9	1.2	9.92	0.7
Asian/PI, non-Hisp.	3.0	1.1	2.73	3.8
Hispanic	.	1.2	.	11.9
16-24	36.6	20.3	1.80	16.2
25-34	41.0	18.5	2.22	17.4
35-44	10.3	17.8	0.58	21.0
45-54	8.7	14.2	0.61	17.7
55-64	3.5	14.7	0.24	11.3
65+	.	14.5	.	16.4
<\$15,000	4.2	6.0	0.70	10.6
\$15,000-\$24,999	6.9	6.0	1.15	12.0
\$25,000-\$49,999	16.7	18.1	0.92	28.3
\$50,000-\$74,999	18.8	10.9	1.72	21.2
\$75,000-\$99,999	6.5	5.0	1.30	12.7
\$100,000+	3.2	5.6	0.57	15.2
Don't know	14.7	4.7	3.13	.
Refused	29.1	43.6	0.67	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	17.1	33.2	0.52	19.8
Metro area resident	82.9	66.8	1.24	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

#### FRANCIS MARION NATIONAL FOREST

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	34.7	43.0	0.81
Female	65.3	57.0	1.15	51.8
White, non-Hispanic	92.3	63.9	1.44	71.3
Black, non-Hispanic	1.0	32.6	0.03	12.2
Amer. Indian, non-H	4.6	1.2	3.83	0.7
Asian/PI, non-Hisp.	2.1	1.1	1.91	3.8
Hispanic	.	1.2	.	11.9
16-24	30.6	20.3	1.51	16.2
25-34	32.9	18.5	1.78	17.4
35-44	23.5	17.8	1.32	21.0
45-54	9.4	14.2	0.66	17.7
55-64	3.7	14.7	0.25	11.3
65+	.	14.5	.	16.4
<\$15,000	3.7	6.0	0.62	10.6
\$15,000-\$24,999	7.9	6.0	1.32	12.0
\$25,000-\$49,999	12.0	18.1	0.66	28.3
\$50,000-\$74,999	21.4	10.9	1.96	21.2
\$75,000-\$99,999	8.6	5.0	1.72	12.7
\$100,000+	4.3	5.6	0.77	15.2
Don't know	42.0	4.7	8.94	.

Refused	.	43.6	.	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	20.4	33.2	0.61	19.8
Metro area resident	79.6	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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	44.7	43.0	1.04
Female	55.3	57.0	0.97	51.8
White, non-Hispanic	77.3	63.9	1.21	71.3
Black, non-Hispanic	18.3	32.6	0.56	12.2
Amer. Indian, non-H	1.4	1.2	1.17	0.7
Asian/PI, non-Hisp.	1.5	1.1	1.36	3.8
Hispanic	1.5	1.2	1.25	11.9
16-24	21.0	20.3	1.03	16.2
25-34	21.6	18.5	1.17	17.4
35-44	28.0	17.8	1.57	21.0
45-54	11.2	14.2	0.79	17.7
55-64	9.9	14.7	0.67	11.3
65+	8.3	14.5	0.57	16.4

	.	.	.	.
<\$15,000	3.1	6.0	0.52	10.6
\$15,000-\$24,999	6.6	6.0	1.10	12.0
\$25,000-\$49,999	20.4	18.1	1.13	28.3
\$50,000-\$74,999	16.3	10.9	1.50	21.2
\$75,000-\$99,999	5.9	5.0	1.18	12.7
\$100,000+	5.7	5.6	1.02	15.2
Don't know	4.4	4.7	0.94	.
Refused	37.5	43.6	0.86	.
	.	.	.	.
U.S. citizen	99.4	99.2	1.00	90.5
Foreign born	0.6	0.8	0.75	9.5
	.	.	.	.
Non-metro resident	20.9	33.2	0.63	19.8
Metro area resident	79.1	66.8	1.18	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

#### FRANCIS MARION NATIONAL FOREST

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	44.3	43.0	1.03	48.2
Female	55.7	57.0	0.98	51.8
	.	.	.	.
White, non-Hispanic	68.5	63.9	1.07	71.3
Black, non-Hispanic	28.6	32.6	0.88	12.2
Amer. Indian, non-H	0.7	1.2	0.58	0.7
Asian/PI, non-Hispanic	0.8	1.1	0.73	3.8

Hispanic	1.5	1.2	1.25	11.9
16-24	19.2	20.3	0.95	16.2
25-34	23.2	18.5	1.25	17.4
35-44	23.2	17.8	1.30	21.0
45-54	13.4	14.2	0.94	17.7
55-64	9.5	14.7	0.65	11.3
65+	11.5	14.5	0.79	16.4
<\$15,000	5.6	6.0	0.93	10.6
\$15,000-\$24,999	5.0	6.0	0.83	12.0
\$25,000-\$49,999	23.9	18.1	1.32	28.3
\$50,000-\$74,999	13.4	10.9	1.23	21.2
\$75,000-\$99,999	6.1	5.0	1.22	12.7
\$100,000+	3.9	5.6	0.70	15.2
Don't know	3.7	4.7	0.79	.
Refused	38.5	43.6	0.88	.
U.S. citizen	99.4	99.2	1.00	90.5
Foreign born	0.6	0.8	0.75	9.5
Non-metro resident	31.0	33.2	0.93	19.8
Metro area resident	69.0	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

Demographic group	Visit Waterside Besides a Beach		Ratio (1)/(2)	Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA		

Male	44.2	43.0	1.03	48.2
Female	55.8	57.0	0.98	51.8
White, non-Hispanic	77.6	63.9	1.21	71.3
Black, non-Hispanic	19.8	32.6	0.61	12.2
Amer. Indian, non-H	1.0	1.2	0.83	0.7
Asian/PI, non-Hispanic	1.6	1.1	1.45	3.8
Hispanic	.	1.2	.	11.9
16-24	25.2	20.3	1.24	16.2
25-34	23.8	18.5	1.29	17.4
35-44	24.6	17.8	1.38	21.0
45-54	13.1	14.2	0.92	17.7
55-64	5.2	14.7	0.35	11.3
65+	8.1	14.5	0.56	16.4
<\$15,000	5.6	6.0	0.93	10.6
\$15,000-\$24,999	4.4	6.0	0.73	12.0
\$25,000-\$49,999	21.1	18.1	1.17	28.3
\$50,000-\$74,999	14.9	10.9	1.37	21.2
\$75,000-\$99,999	5.9	5.0	1.18	12.7
\$100,000+	5.8	5.6	1.04	15.2
Don't know	4.7	4.7	1.00	.
Refused	37.7	43.6	0.86	.
U.S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	28.4	33.2	0.86	19.8
Metro area resident	71.6	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

## View/photograph Birds

Demographic group	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	29.7	43.0	0.69
Female	70.3	57.0	1.23	51.8
White, non-Hispanic	82.0	63.9	1.28	71.3
Black, non-Hispanic	16.0	32.6	0.49	12.2
Amer. Indian, non-H	1.0	1.2	0.83	0.7
Asian/PI, non-Hisp.	1.0	1.1	0.91	3.8
Hispanic	.	1.2	.	11.9
16-24	6.8	20.3	0.33	16.2
25-34	16.8	18.5	0.91	17.4
35-44	25.8	17.8	1.45	21.0
45-54	14.3	14.2	1.01	17.7
55-64	13.2	14.7	0.90	11.3
65+	23.1	14.5	1.59	16.4
<\$15,000	4.2	6.0	0.70	10.6
\$15,000-\$24,999	8.4	6.0	1.40	12.0
\$25,000-\$49,999	17.1	18.1	0.94	28.3
\$50,000-\$74,999	15.6	10.9	1.43	21.2
\$75,000-\$99,999	2.6	5.0	0.52	12.7
\$100,000+	7.5	5.6	1.34	15.2
Don't know	1.3	4.7	0.28	.
Refused	43.3	43.6	0.99	.
U. S. citizen	99.0	99.2	1.00	90.5
Foreign born	1.0	0.8	1.25	9.5
Non-metro resident	41.5	33.2	1.25	19.8
Metro area resident	58.5	66.8	0.88	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

## FRANCIS MARION NATIONAL FOREST

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	42.5	43.0	0.99	48.2
Female	57.5	57.0	1.01	51.8
White, non-Hispanic	67.2	63.9	1.05	71.3
Black, non-Hispanic	30.8	32.6	0.94	12.2
Amer. Indian, non-H	0.6	1.2	0.50	0.7
Asian/PI, non-Hispanic	1.3	1.1	1.18	3.8
Hispanic	.	1.2	.	11.9
16-24	11.6	20.3	0.57	16.2
25-34	15.0	18.5	0.81	17.4
35-44	29.4	17.8	1.65	21.0
45-54	20.4	14.2	1.44	17.7
55-64	7.9	14.7	0.54	11.3
65+	15.6	14.5	1.08	16.4
<\$15,000	3.4	6.0	0.57	10.6
\$15,000-\$24,999	6.4	6.0	1.07	12.0
\$25,000-\$49,999	16.7	18.1	0.92	28.3
\$50,000-\$74,999	16.8	10.9	1.54	21.2
\$75,000-\$99,999	5.0	5.0	1.00	12.7
\$100,000+	4.3	5.6	0.77	15.2
Don't know	2.7	4.7	0.57	.
Refused	44.7	43.6	1.03	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	33.5	33.2	1.01	19.8
Metro area resident	66.5	66.8	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

#### FRANCIS MARION NATIONAL FOREST

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

Demographic group	View/photograph Other Wildlife		Ratio (1)/(2)	Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA		
Male	42.3	43.0	0.98	48.2
Female	57.7	57.0	1.01	51.8
White, non-Hispanic	73.8	63.9	1.15	71.3
Black, non-Hispanic	22.1	32.6	0.68	12.2
Amer. Indian, non-H	0.7	1.2	0.58	0.7
Asian/PI, non-Hispanic	2.7	1.1	2.45	3.8
Hispanic	0.7	1.2	0.58	11.9
16-24	15.1	20.3	0.74	16.2
25-34	23.6	18.5	1.28	17.4
35-44	21.4	17.8	1.20	21.0
45-54	16.5	14.2	1.16	17.7
55-64	12.1	14.7	0.82	11.3
65+	11.3	14.5	0.78	16.4
<\$15,000	5.5	6.0	0.92	10.6
\$15,000-\$24,999	8.2	6.0	1.37	12.0
\$25,000-\$49,999	19.6	18.1	1.08	28.3
\$50,000-\$74,999	12.8	10.9	1.17	21.2
\$75,000-\$99,999	5.2	5.0	1.04	12.7
\$100,000+	5.4	5.6	0.96	15.2
Don't know	0.9	4.7	0.19	.
Refused	42.3	43.6	0.97	.
U. S. citizen	100.0	99.2	1.01	90.5
Foreign born	.	0.8	.	9.5
Non-metro resident	40.0	33.2	1.20	19.8
Metro area resident	60.0	66.8	0.90	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

#### FRANCIS MARION NATIONAL FOREST

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	35.1	43.0	0.82	48.2
Female	64.9	57.0	1.14	51.8
White, non-Hispanic	74.9	63.9	1.17	71.3
Black, non-Hispanic	19.8	32.6	0.61	12.2
Amer. Indian, non-H	1.0	1.2	0.83	0.7
Asian/PI, non-Hispanic	3.0	1.1	2.73	3.8
Hispanic	1.4	1.2	1.17	11.9
16-24	11.8	20.3	0.58	16.2
25-34	17.2	18.5	0.93	17.4
35-44	20.7	17.8	1.16	21.0
45-54	16.1	14.2	1.13	17.7
55-64	16.7	14.7	1.14	11.3
65+	17.5	14.5	1.21	16.4
<\$15,000	6.5	6.0	1.08	10.6
\$15,000-\$24,999	7.3	6.0	1.22	12.0
\$25,000-\$49,999	18.6	18.1	1.03	28.3
\$50,000-\$74,999	16.3	10.9	1.50	21.2
\$75,000-\$99,999	4.2	5.0	0.84	12.7
\$100,000+	3.6	5.6	0.64	15.2
Don't know	2.9	4.7	0.62	.
Refused	40.5	43.6	0.93	.
U. S. citizen	99.4	99.2	1.00	90.5
Foreign born	0.6	0.8	0.75	9.5
	.	.	.	.

Non-metro resident	35.1	33.2	1.06	19.8
Metro area resident	64.9	66.8	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.

### III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

#### FRANCIS MARION NATIONAL FOREST

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

Demographic group	View/photograph Natural Scenery			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	37.8	43.0	0.88	48.2
Female	62.2	57.0	1.09	51.8
White, non-Hispanic	75.2	63.9	1.18	71.3
Black, non-Hispanic	20.2	32.6	0.62	12.2
Amer. Indian, non-H	1.5	1.2	1.25	0.7
Asian/PI, non-Hisp.	2.1	1.1	1.91	3.8
Hispanic	1.1	1.2	0.92	11.9
16-24	18.6	20.3	0.92	16.2
25-34	20.7	18.5	1.12	17.4
35-44	20.2	17.8	1.13	21.0
45-54	14.2	14.2	1.00	17.7
55-64	13.0	14.7	0.88	11.3
65+	13.3	14.5	0.92	16.4
<\$15,000	3.7	6.0	0.62	10.6
\$15,000-\$24,999	6.3	6.0	1.05	12.0
\$25,000-\$49,999	18.9	18.1	1.04	28.3
\$50,000-\$74,999	16.0	10.9	1.47	21.2

\$75, 000- \$99, 999	4. 6	5. 0	0. 92	12. 7
\$100, 000+	6. 2	5. 6	1. 11	15. 2
Don' t know	2. 2	4. 7	0. 47	.
Refused	42. 0	43. 6	0. 96	.
	.	.	.	.
U. S. citizen	100. 0	99. 2	1. 01	90. 5
Foreign born	.	0. 8	.	9. 5
	.	.	.	.
Non-metro resident	31. 4	33. 2	0. 95	19. 8
Metro area resident	68. 6	66. 8	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

FRANCIS MARION NATIONAL FOREST			
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	22,423	9,453.6	5,411,892
COE Project total land and water acres 63,302.1	0	0.0	5,633,764
FWS refuge acres open for recreation 40,388.3	151,842	64,017.1	3,594,475
TVA recreation area acres 283.9	0	0.0	25,267
TVA undeveloped acres 4,661.6	0	0.0	414,876
Wild & Scenic River miles: Total 1992 5.0	0	0.0	446
NRI Total river miles, outstanding value 261.0	1,468	618.9	23,226
State Park acres 17,654.5	27,118	11,433.0	1,571,214
WOODALLS # public campgrounds 3.5	7	3.0	310
WOODALLS # public campground sites 290.5	339	142.9	25,853
WOODALLS # private campgrounds 20.8	37	15.6	1,852
WOODALLS # private campground sites 2,495.0	6,161	2,597.5	222,054
NRI acres private forest land 32.4	7,277,900	55.9	173,078,600
NPLOS acres leased to inds. or groups 380,983.3	1,138,995	480,203.8	33,906,753
NPLOS acres open to general public 340,031.3	400,481	168,844.0	30,262,101
ABI # hunting & fishing preserves 2.2	12	5.1	192
ABI # fish camps 2.3	2	0.8	202
ABI # organized camps 19.3	28	11.8	1,722
ABI # private fishing lakes 0.3	2	0.8	24
ABI # boat rental firms 23.1	86	36.3	2,054
ABI # canoe trip outfitters 0.2	0	0.0	19

ABI # canoe rental firms 0.8	0	0.0	73
ABI # public fishing lakes 1.1	0	0.0	95
ABI # guides services 4.1	7	3.0	361
ABI # sightseeing tours 6.8	42	17.7	603
ABI # fishing lakes and ponds 0.9	0	0.0	76
ABI # raft trip firms 0.3	0	0.0	29

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.