

Daniel Boone National Forest



Recreation Realignment Report

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Recreation Realignment Analysis¹

August, 2001

Introduction

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

Report Objectives and Data Sources

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

On Analysis Assumptions

The 75-Mile Market Area

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

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

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

Combining Forests

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

Realignment Reports Prepared

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

Vision of Interactive Session: How to Use this Report

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

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

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

Report Contents

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

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

The Realignment Context:

Some General Observations About Outdoor Recreation in the Southern Region²

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

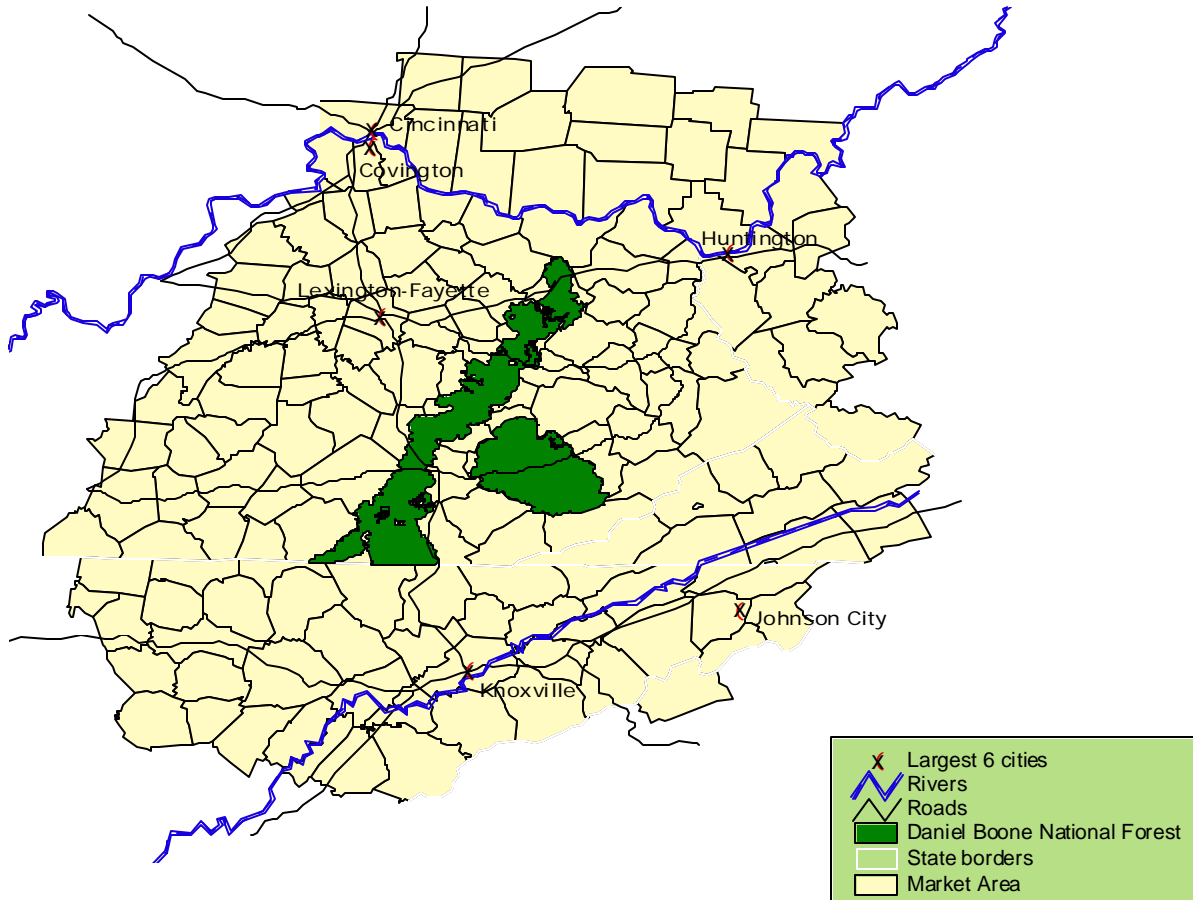
² Cordell, H. Ken and Michael A. Tarrant. 2002. Socio-6: Forest-based Outdoor Recreation. Wear, David N. and John G. Greis (eds.). Southern Forest Resource Assessment Final Report. General Technical Report SRS-xx. Asheville, NC: US Department of Agriculture, Forest Service, Southern Research Station.

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

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

Step 1. – Population Analysis

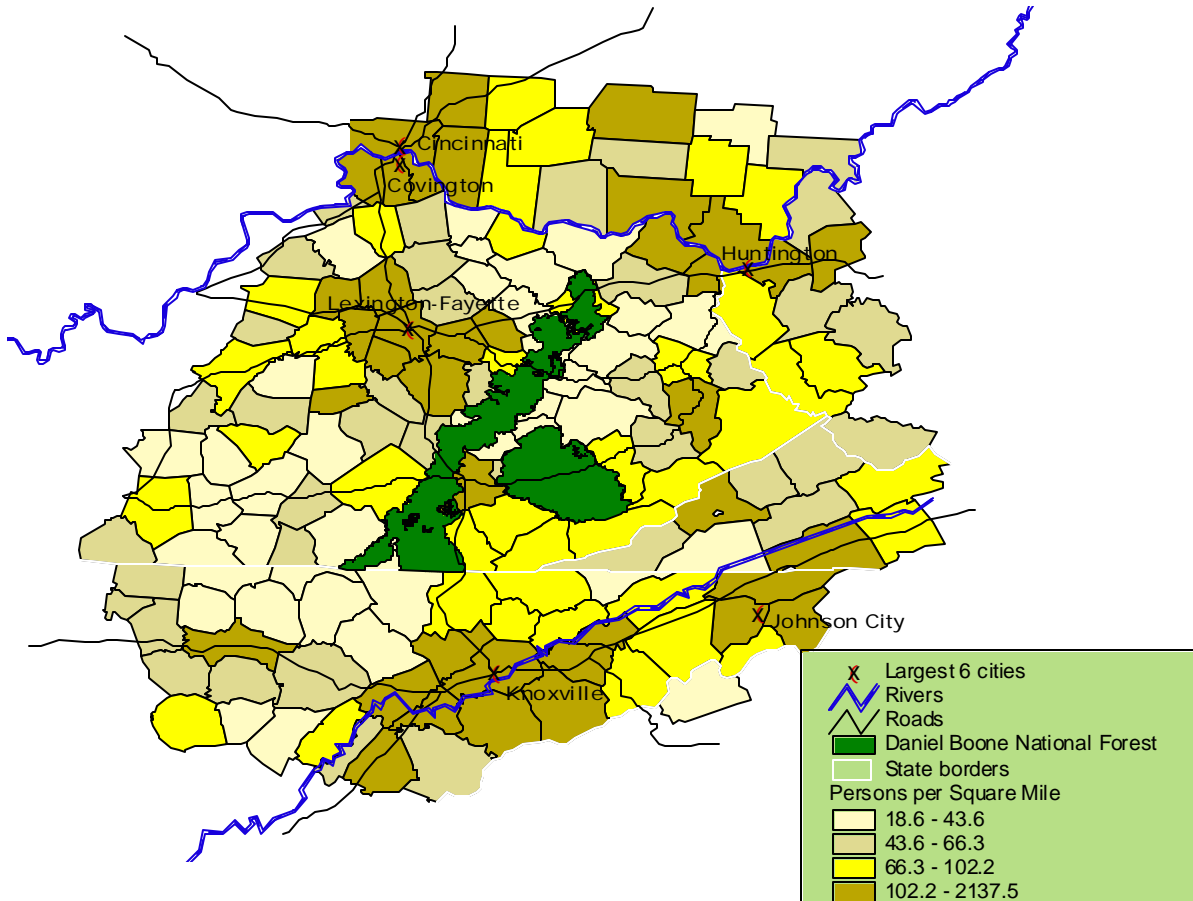
Step 1.1 -- The Market Area Defined



- < 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 Daniel Boone National Forest is shown above.

Step 1. – Population Analysis

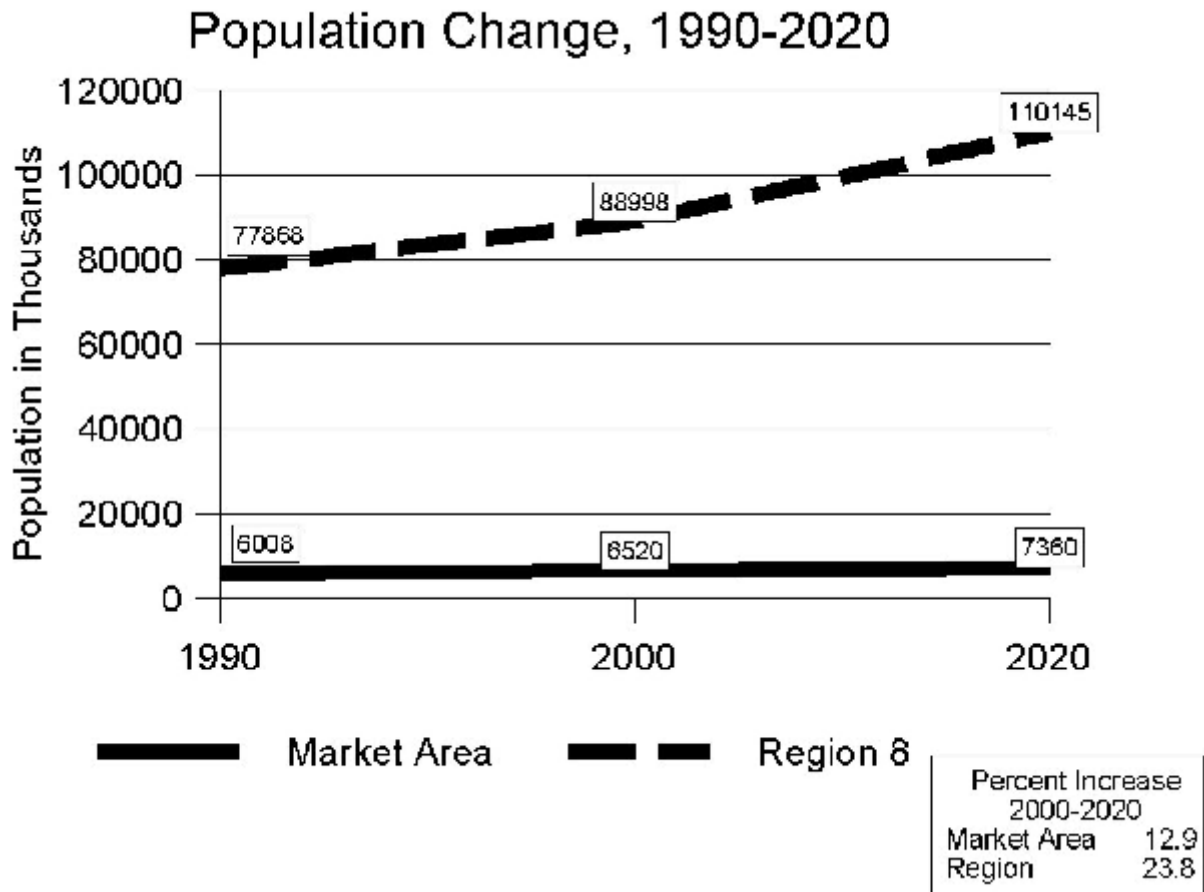
Step 1.2 -- Persons Per Square Mile by County in Market Area



- < 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 (102.2-2137.5 persons per square mile).
- < Its clear that many of the more dense counties in this market area occur around the major cities
- < 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 6,520,100 persons in your market area.
- < As you can see from the inset box, this market area has much lower expected growth than the region as a whole. As such, you can probably expect less 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) Sevier, TN	57.5	1) Robertson, KY	-1.3
2) Boone, KY	52.8	2) Owsley, KY	-1.7
3) Clinton, OH	39.5	3) Cabell, WV	-2.9
4) Clermont, OH	38.8	4) Cumberland, KY	-3.5
5) Cumberland, TN	36.5	5) McDowell, WV	-15.4

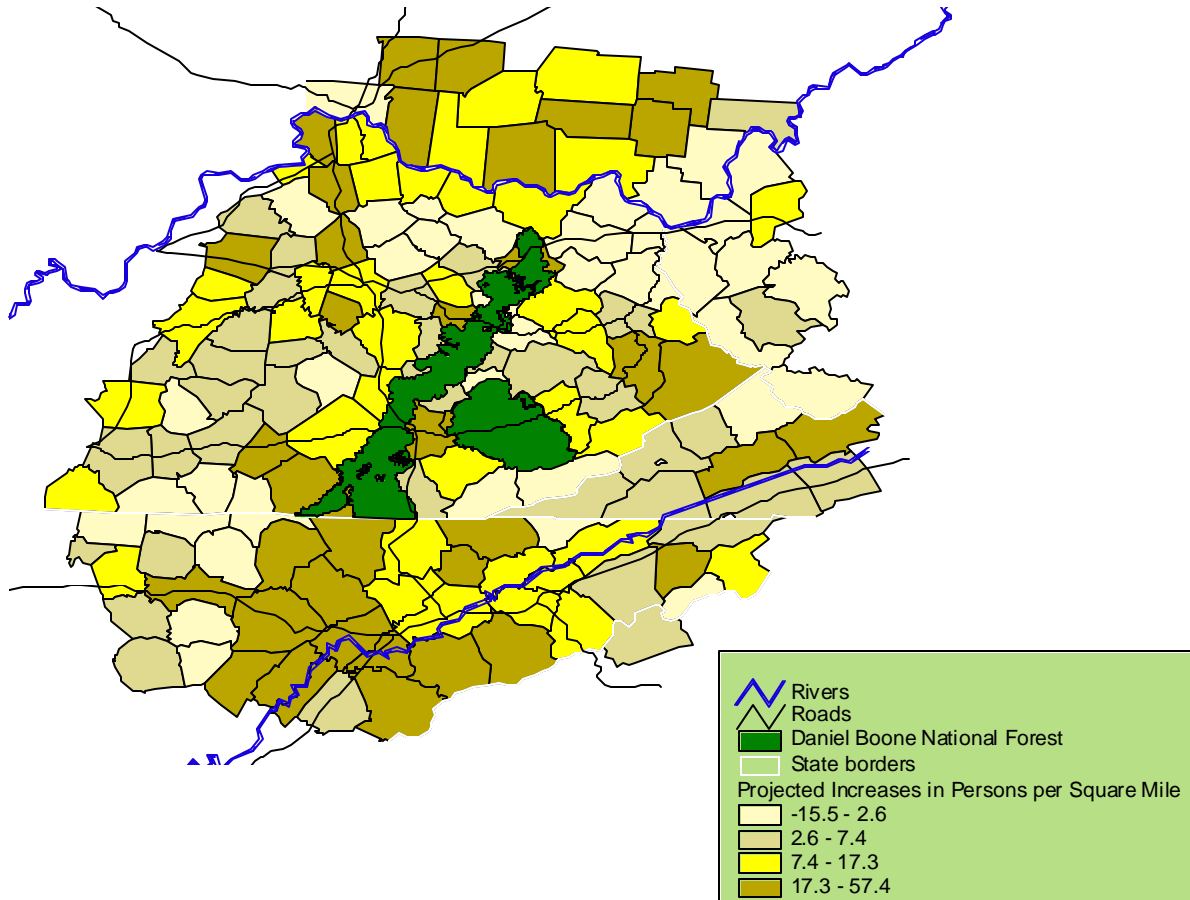
- < The table above lists the 5 fastest and 5 slowest growing counties in your market area. For a complete list of all counties by population growth, see Appendix I, Table 1 “Overview of Market Area”.
- < **Exercise:** Using the box below, list all the counties which are adjacent to your management area.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

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

County Name	Projected Population Change 2000-2020 (%)

Step 1. – Population Analysis

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



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

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

Step 2. – Recreation Participation Analysis and Segmentation of Activities

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

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

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

Step 2.2 -- Segmentation of Activities

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

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

	% Participated	# Participants
Walk for pleasure	83.5	4.19
Family gathering	74.8	3.76
Driving for pleasure	61.2	3.07
View/photograph natural scenery	60.7	3.05
Picnicking	60.2	3.02
Sightseeing	57.8	2.90
Visit nature centers, nature, museums, etc.	53.8	2.70
Visit historic sites	44.1	2.21
Boating	30.7	1.54
Bicycling	29.6	1.49
Motorboating	23.1	1.16

(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 II activities. These are activities

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

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

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

	% Participated	# Participants
View wildlife	47.8	2.40
View or photograph wildflowers, trees, or other natural vegetation	45.0	2.26
Swimming in streams, lakes, ponds, or the ocean	38.0	1.91
Visit a wilderness or other primitive, roadless area	35.5	1.78
Gather mushrooms, berries, and other non-timber products	35.3	1.77
View birds	32.2	1.62
Day hiking	32.2	1.62
Warmwater fishing	30.5	1.53
Visit waterside besides beach	25.3	1.27
Developed camping	22.9	1.15
Drive off-road	21.4	1.07
View or photograph fish	19.9	1.00
Mountain biking	18.0	0.90
Primitive camping	16.8	0.84
Small game hunting	10.0	0.50
Horseback riding on trails	9.7	0.49

Backpacking	9.6	0.48
Big game hunting	9.1	0.46

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

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

	% Participated	# Participants
Visit archeological sites	19.0	0.95
Coldwater fishing	14.7	0.74
Rafting	6.6	0.33
Canoeing	6.5	0.33
Waterskiing	5.7	0.29
Snorkeling or scuba diving	5.2	0.26
Saltwater fishing	4.3	0.22
Kayaking	1.5	0.08
Migratory bird hunting	1.0	0.05

Step 3. – Analysis of Fastest Growing Outdoor Recreation Activities

(Source: Table III, 3e)

Activity	Absolute change, 1995 to 2001	Percent change in number of participants, 1995 to 2001
View or photograph fish	0.68	201.5
View wildlife	1.05	71.9
Primitive camping	0.32	57.0
Horseback riding on trails	0.18	54.0
Drive off-road	0.36	45.6
Developed camping	0.38	44.9
View birds	0.47	35.9
Small game hunting	0.14	35.1
Swimming in streams, lakes, ponds, or the ocean	0.34	18.0
Day hiking	0.28	17.1
Warmwater fishing	0.21	12.5
Big game hunting	0.06	11.0
Backpacking	0.06	10.3

- < 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.

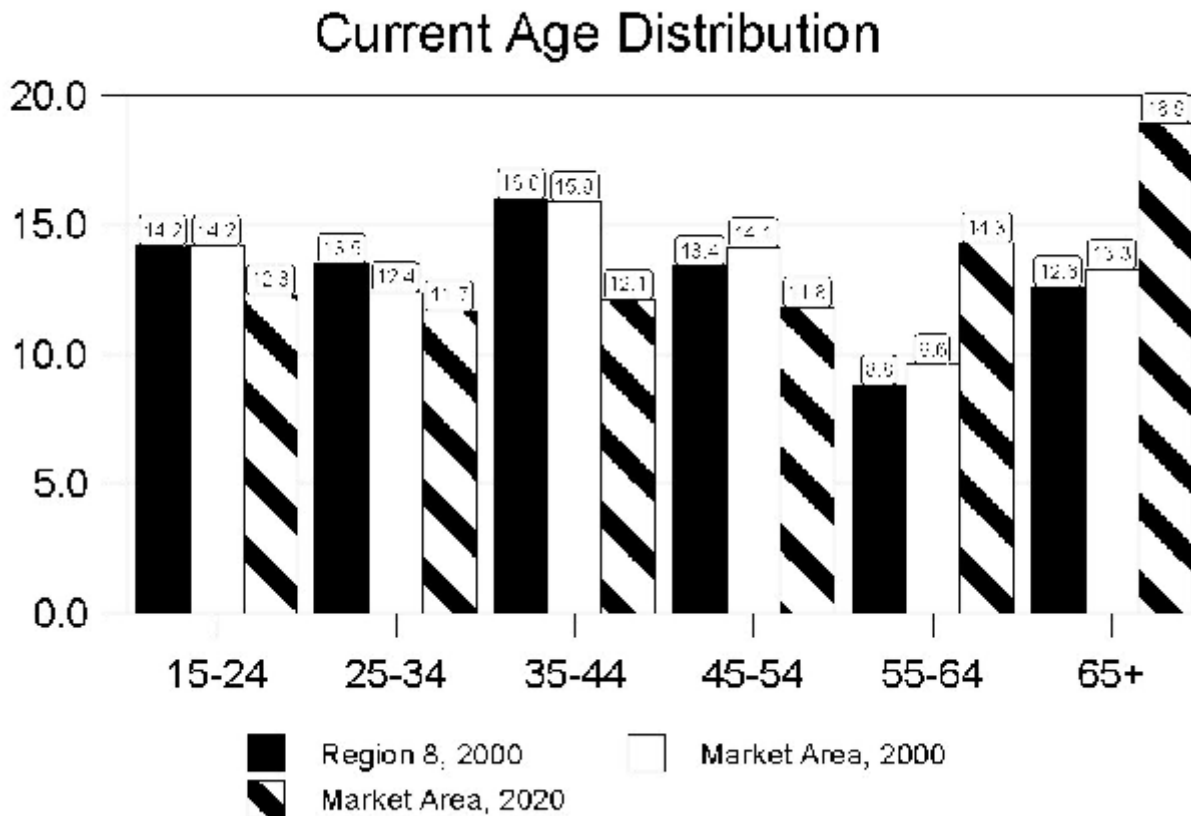
- < **Exercise:** In the space provided below, please record the fastest growing Type II activities in your market area. Record up to 6 activities. Remember the absolute change numbers are in millions of participants.

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

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

Age Strata	Favored Activities	Percent of Age Strata in Market Area
15-24	1. Primitive camping 2. Mountain biking 3. Backpacking	14.2
25-34	1. Big game hunting 2. Drive off-road 3. Mountain biking	12.4
35-44	1. Backpacking 2. Mountain biking 3. Day hiking	15.9
45-54	1. View or photograph wildflowers, trees, or other natural vegetation 2. View birds 3. View wildlife	14.1
55-64	1. View or photograph fish 2. View or photograph wildflowers, trees, or other natural vegetation 3. View birds	9.6

65+	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. Gather mushrooms, berries, and other non-timber products 	13.3
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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	-20.1	-2.2	1,865.6	14.7
25-34	51.1	6.3	2,460.7	20.5
35-44	-144.8	-13.9	-708.3	-5.0
45-54	-51.5	-5.6	826.0	6.9
55-64	421.7	67.0	6,339.3	80.6
65 & older	523.3	60.1	7,363.5	65.4

- < In the future, the population of the United States is expected to age. The median age in the United States has risen steadily since the 1800s in part due to increases in medical technology and hygiene, and rising real income. In 1850, the median age was 18.9 years, in 1990 in was 32.8. By 2020, the median age is expected to increase 8.5 percent to about 38 years. As the population ages, their recreation preference profile will change. Activities that older people like to do will become more popular and enjoy increases in demand on recreation areas.
- < The table above shows percent increases in each of the age strata in the market area, 2000 - 2020.
- < 65+, 55-64, and 25-34 are the highest growth strata (in absolute numbers) in the market area.
- < Given the aging of the market area, which activities does this suggest you might market

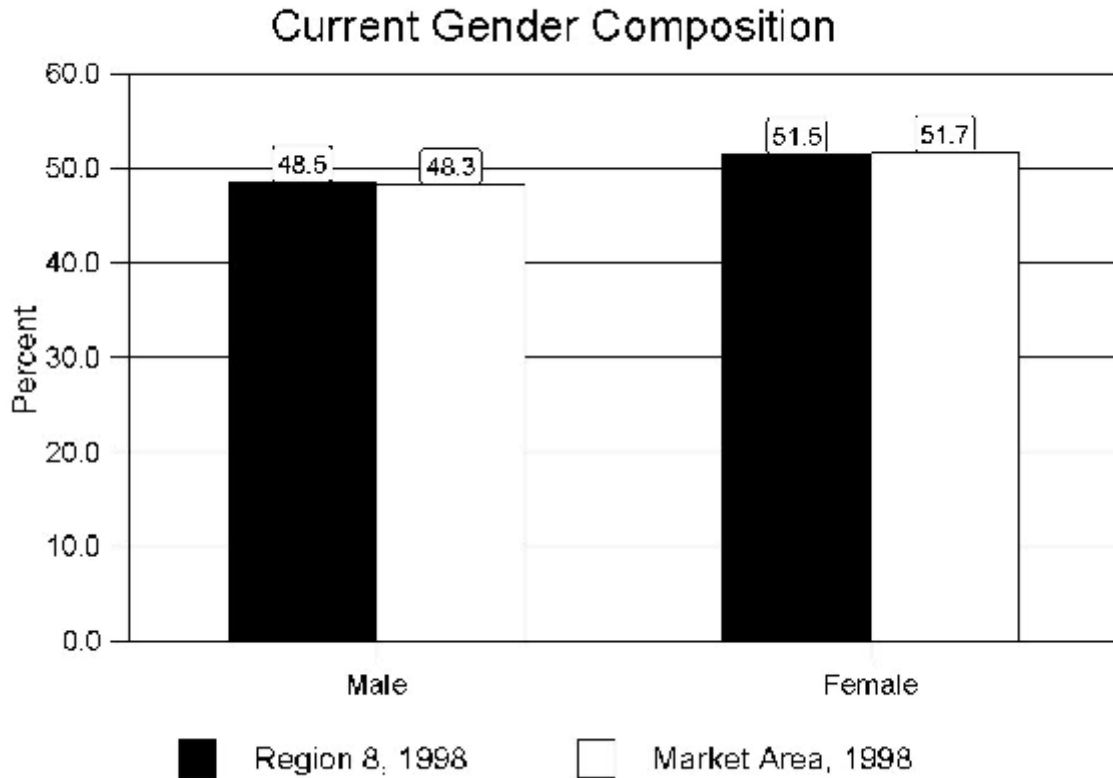
to/provide more of in the future?

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

(Source: Table III. 4b1-6)

High Growth Age Strata	Favored Activities
65+	<ol style="list-style-type: none">1. View birds2. View or photograph wildflowers, trees, or other natural vegetation3. Gather mushrooms, berries, and other non-timber products
55-64	<ol style="list-style-type: none">1. View or photograph fish2. View or photograph wildflowers, trees, or other natural vegetation3. View birds
25-34	<ol style="list-style-type: none">1. Big game hunting2. Drive off-road3. Mountain biking

Step 4.2 – Gender



(Source: Table II. 8)

Step 4.2.a – Current Gender Composition

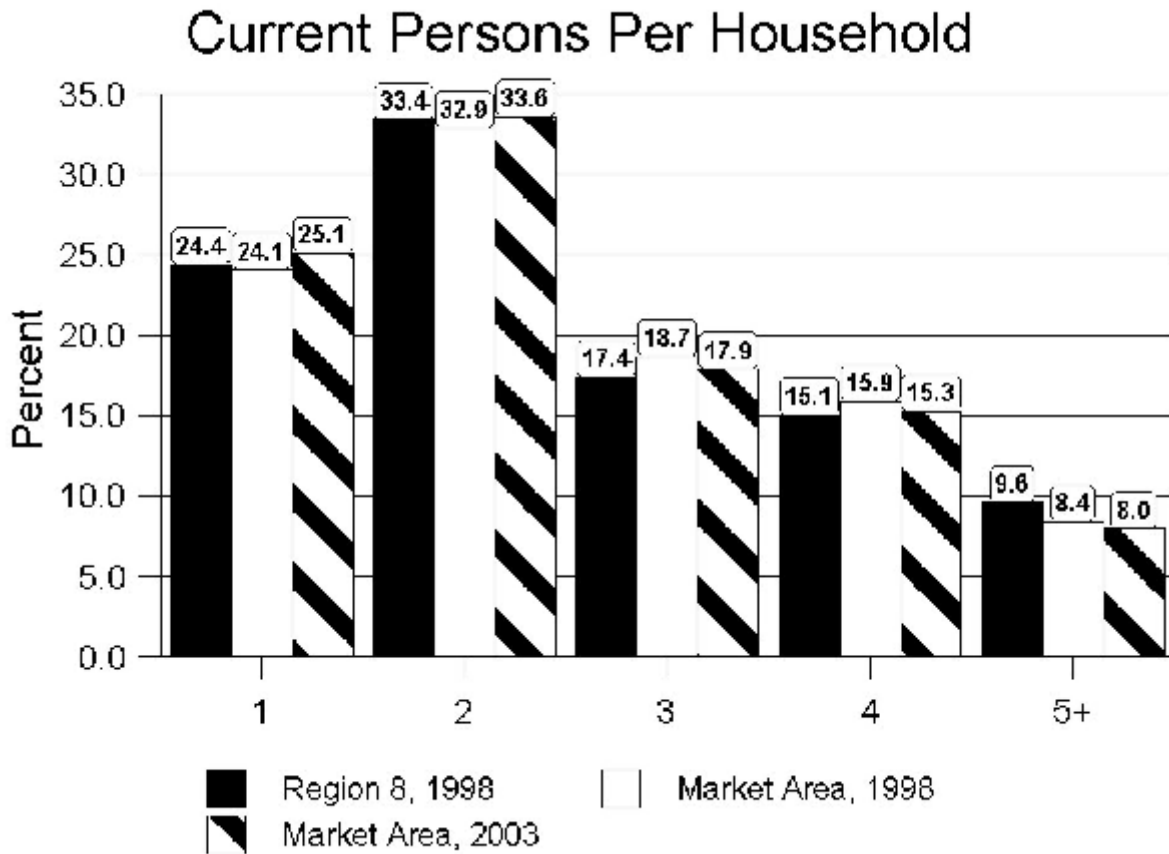
- < Gender is highly important as well as a determinant of the activities people chose. Women prefer some activities in much higher numbers than men. Thus the gender distribution and different preferences of men and women are important considerations in supplying outdoor recreation programs to serve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

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

Gender Strata	Favored Activities	Percent of Gender Group in Market Area
Female	<ol style="list-style-type: none"> 1. View or photograph wildflowers, trees, or other natural vegetation 2. View birds 3. View wildlife 4. Developed camping 5. Gather mushrooms, berries, and other non-timber products 	51.7
Male	<ol style="list-style-type: none"> 1. Small game hunting 2. Big game hunting 3. Backpacking 4. Warmwater fishing 5. Primitive camping 	48.3

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

Step 4.3 – Household Size



(Source: Table II. 3b)

Step 4.3.a – Current Household Distribution

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

- < If you managed for household types, which activities would you emphasize?

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

Household Type Strata	Favored Activities	Percent of Household Type Group in Market Area
1 person household	1. View birds 2. Big game hunting 3. View or photograph wildflowers, trees, or other natural vegetation	24.1
2 person household	1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife	32.9
3 persons household	1. Primitive camping 2. Drive off-road 3. Big game hunting	18.7
4 person household	1. Developed camping 2. Horseback riding on trails 3. Visit waterside besides beach	15.9
5 or more	1. Mountain biking 2. Backpacking 3. Horseback riding on trails	8.4

Step 4.3.b – Future Household Distribution

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

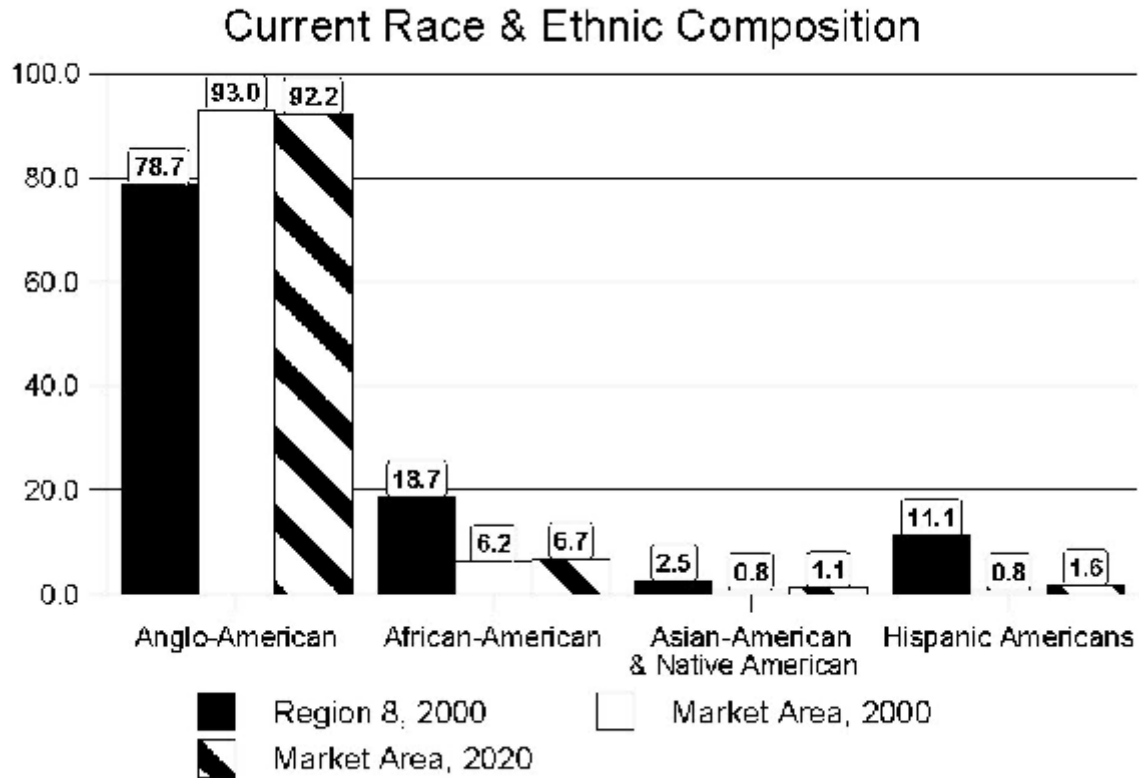
Household Size	Market Area		Region 8	
	Absolute change, 1998-2003	Percent change, 1998-2003	Absolute change, 1998-2003	Percent change, 1998-2003
1 person	59.2	9.9	961.5	12.1
2 person	63.9	7.9	1080.5	9.9
3 person	3.3	0.7	174.2	3.1
4 person	8.5	2.2	241.4	4.8
5 persons or more	2.4	1.1	134.0	4.3

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

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

High Growth Household Type Strata	Favored Activities
Highest growth	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. View wildlife
2 nd Highest growth	<ol style="list-style-type: none"> 1. View birds 2. Big game hunting 3. View or photograph wildflowers, trees, or other natural vegetation
3 rd Highest growth	<ol style="list-style-type: none"> 1. Mountain biking 2. Backpacking 3. Horseback riding on trails

Step 4.4 – Race & Ethnicity



(Source: Table II. 4c)

Step 4.4.a – Current Race/Ethnic Distribution

- < Shifting racial and cultural ethnicity of the population is one of the most dramatic of social changes occurring in the United States. While a little less pronounced in this region than in others, growth of the Hispanic and Asian populations in the US 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. Primitive camping 2. View or photograph fish 3. View wildlife	93.0
African American	1. Visit a wilderness or other primitive, roadless area 2. View birds 3. Drive off-road	6.2
Asian Americans/ American Indians	1. Drive off-road 2. View or photograph wildflowers, trees, or other natural vegetation 3. Day hiking	0.8
Hispanic Americans	1. View birds 2. Day hiking 3. Mountain biking	0.8

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	725.3	12.0	14,545.5	20.8
African American	90.3	22.3	4,825.3	28.9
Asian/American Indian	24.5	45.8	1,776.3	79.3
Hispanic American	62.2	117.2	7,931.9	80.2

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

longer be a numerical majority. Considerable growth is expected in Hispanic populations in particular. As increases occur more in some race strata than others, the activities that these strata participate in are likely to experience increased demand.

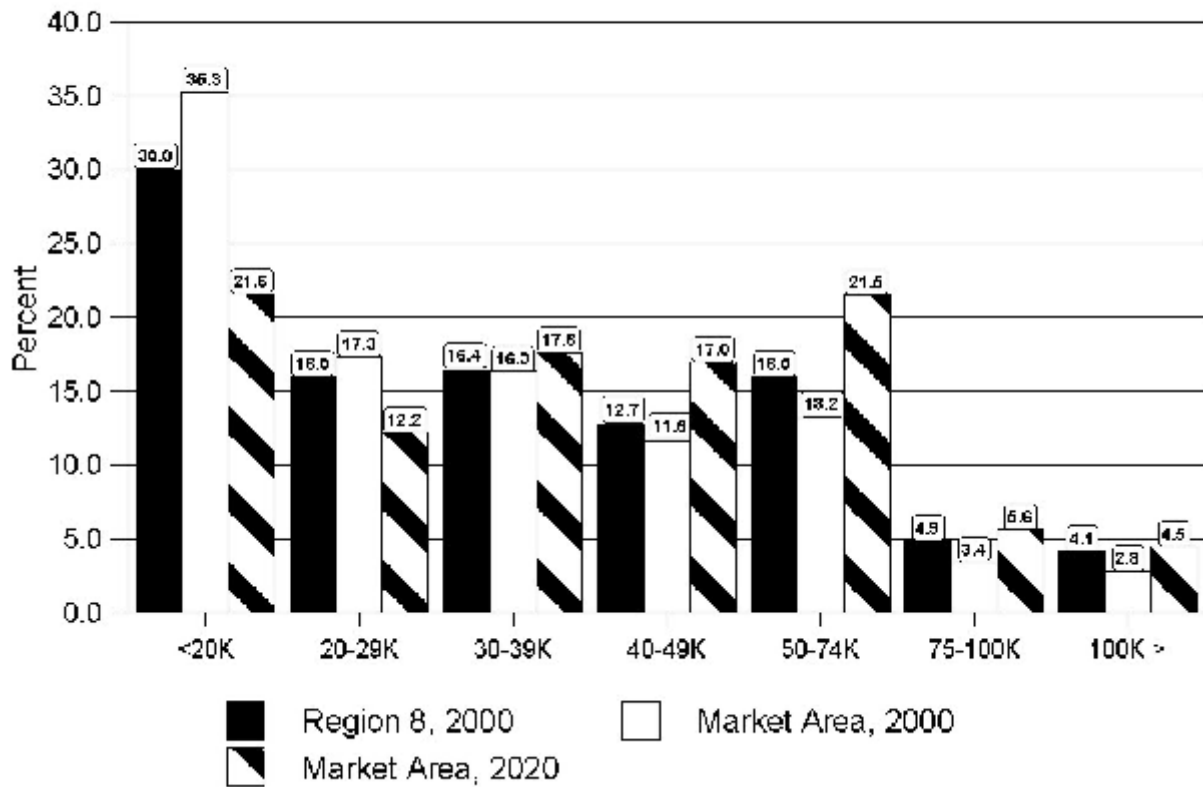
- < The table above shows percent increases in each of the race strata in the market area, 2000 - 2020.
- < Anglo American, African American, and Hispanic American groups are the highest growth strata.
- < Given the changing racial composition in the market area, which activities would you want to consider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

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

High Growth Race Group Strata	Favored Activities
Highest growth race group	<ol style="list-style-type: none"> 1. Primitive camping 2. View or photograph fish 3. View wildlife
2 nd highest growth race group	<ol style="list-style-type: none"> 1. Visit a wilderness or other primitive, roadless area 2. View birds 3. Drive off-road
3 rd highest growth race group	<ol style="list-style-type: none"> 1. View birds 2. Day hiking 3. Mountain biking

Step 4.5 – Income

Current Income Distribution



(Source: Table II. 5b)

Step 4.5.a – Current Income Distribution

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

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

Income Strata (dollars) K=1,000	Favored Activities	Percent of Income Group in Market Area
< \$20,000	<ol style="list-style-type: none"> 1. Gather mushrooms, berries, and other non-timber products 2. Visit a wilderness or other primitive, roadless area 3. Swimming in streams, lakes, ponds, or the ocean 	35.3
\$20-29,999	<ol style="list-style-type: none"> 1. Small game hunting 2. Warmwater fishing 3. Big game hunting 	17.3
\$30-39,999	<ol style="list-style-type: none"> 1. Small game hunting 2. Big game hunting 3. Drive off-road 	16.3
\$40-49,999	<ol style="list-style-type: none"> 1. Mountain biking 2. Visit waterside besides beach 3. Horseback riding on trails 	11.6
\$50-74,999	<ol style="list-style-type: none"> 1. Big game hunting 2. Small game hunting 3. Horseback riding on trails 	13.2
\$75-99,999	<ol style="list-style-type: none"> 1. Backpacking 2. Warmwater fishing 3. Visit a wilderness or other primitive, roadless area 	3.4
\$100,000 >	<ol style="list-style-type: none"> 1. Horseback riding on trails 2. View or photograph fish 3. View wildlife 	2.8

Step 4.5.b – Income Distribution

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

Income category	Market Area		Region 8	
	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020	Absolute change (1000's), 2000 to 2020	Percent change, 2000 to 2020
< \$20,000	-266.5	-30.1	-1,351.7	-28.3
\$20,000-29,999	-84.8	-19.6	-1,278.2	-23.9
\$30,000-39,999	96.0	23.5	231.9	4.2
\$40,000-49,999	195.9	67.1	2,519.8	59.5
\$50,000-74,999	287.6	87.2	2,897.0	100.9
\$75,000-99,999	74.6	86.7	2,005.4	122.1
\$100,000 >	59.1	84.8	756.4	123.1

(Source: Table II, E.3)

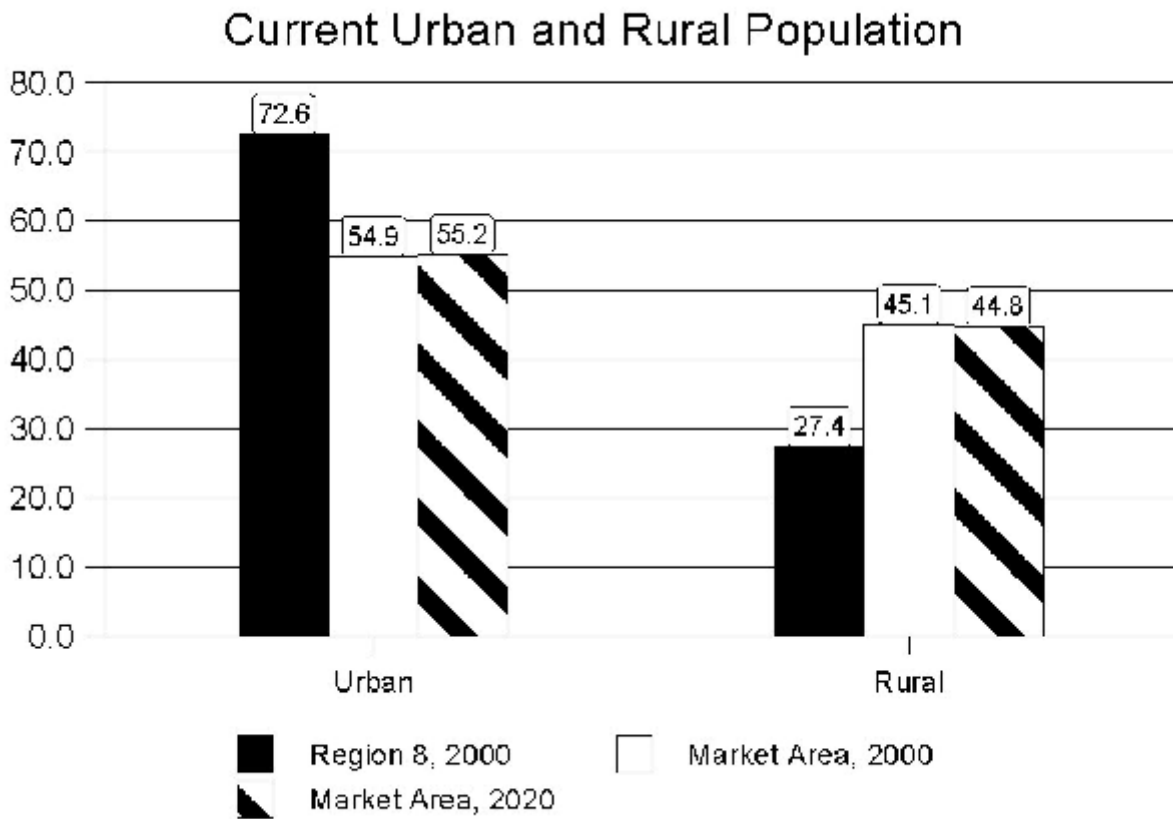
- < In the future, income in the United States is expected to rise. The table above shows percent increases in each of the income strata in the market area, 2000-2020.
- < \$50,000-74,999; \$40,000-\$49,999; and \$30,000-39,999 groups are the highest growth strata in the market area.
- < Given the changing income composition in the market area, which activities would you want to consider providing more of in the future?

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

High Growth Income Strata	Favored Activities
Highest growth income group	<ol style="list-style-type: none">1. Big game hunting2. Small game hunting3. Horseback riding on trails
2 nd highest growth income group	<ol style="list-style-type: none">1. Mountain biking2. Visit waterside besides beach3. Horseback riding on trails
3 rd highest growth income group	<ol style="list-style-type: none">1. Small game hunting2. Big game hunting3. Drive off-road

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. Mountain biking 2. Swimming in streams, lakes, ponds, or the ocean 3. View birds 4. Visit waterside besides beach 5. View or photograph wildflowers, trees, or other natural vegetation	54.9
Rural	1. Small game hunting 2. Big game hunting 3. Drive off-road 4. Gather mushrooms, berries, and other non-timber products 5. Warmwater fishing	45.1

Step 4.6.b – Future Urban and Rural Distribution

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

	Market Area		Region 8	
	Absolute change, 2000 to 2020	Percent change, 2000 to 2020	Absolute change, 2000 to 2020	Percent change, 2000 to 2020
Urban	488.0	13.6	18,276.6	28.3
Rural	352.1	12.0	2,870.4	11.8

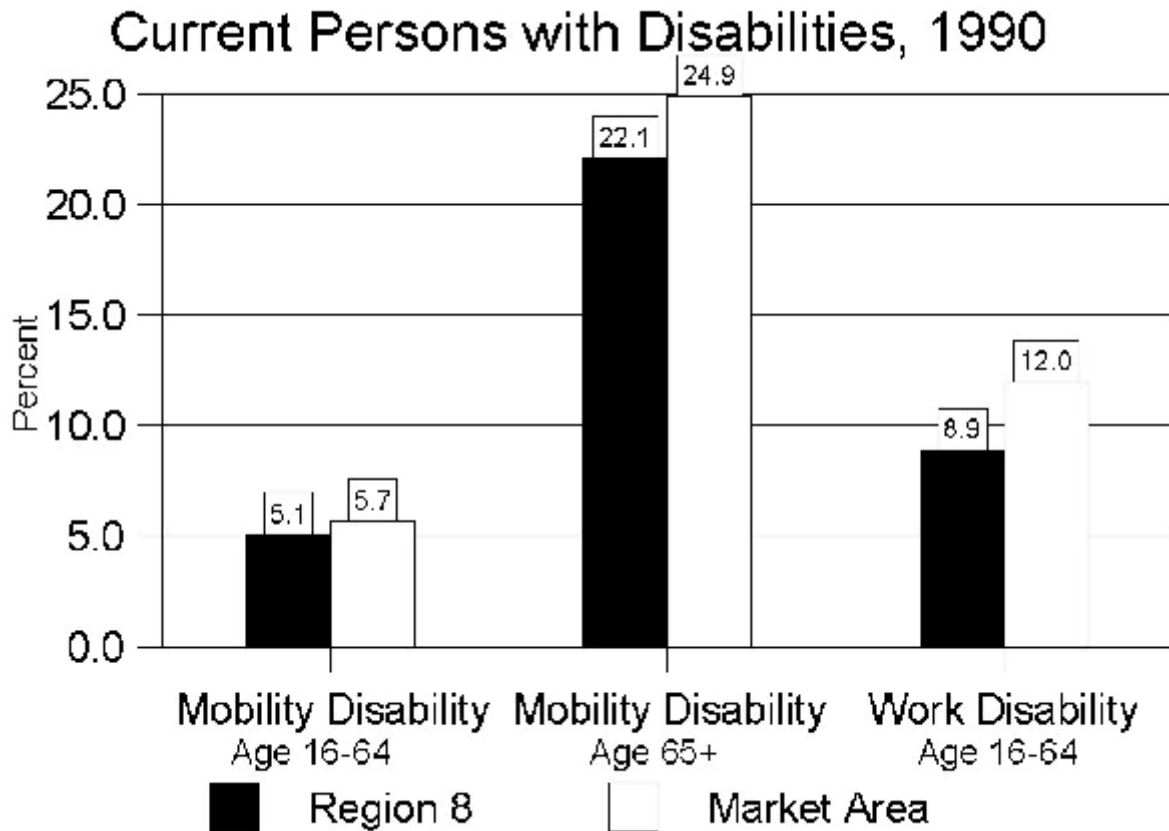
- < Over the next 50 years, all markets in the United States that contain urban areas are expected to significantly increase their rates of rural land conversion as suburbs sprawl out into rural lands. Between 1992 and 1997 in the United States, nearly 16 million acres of farm, forest and other open land was converted to developed uses. These developments tend to follow highway corridors radiating out from the nation’s urban areas. As more areas become urban in character, the activities urban people participate in are likely to experience increased demand.
- < The table above shows percent increases in each of the strata in the market area, 2000-2020.

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

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

High Growth Strata	Favored Activities
Highest growth group	<ol style="list-style-type: none"> 1. Mountain biking 2. Swimming in streams, lakes, ponds, or the ocean 3. View birds 4. Visit waterside besides beach 5. View or photograph wildflowers, trees, or other natural vegetation

Step 4.7 – Disability



(Source: Table II. 7)

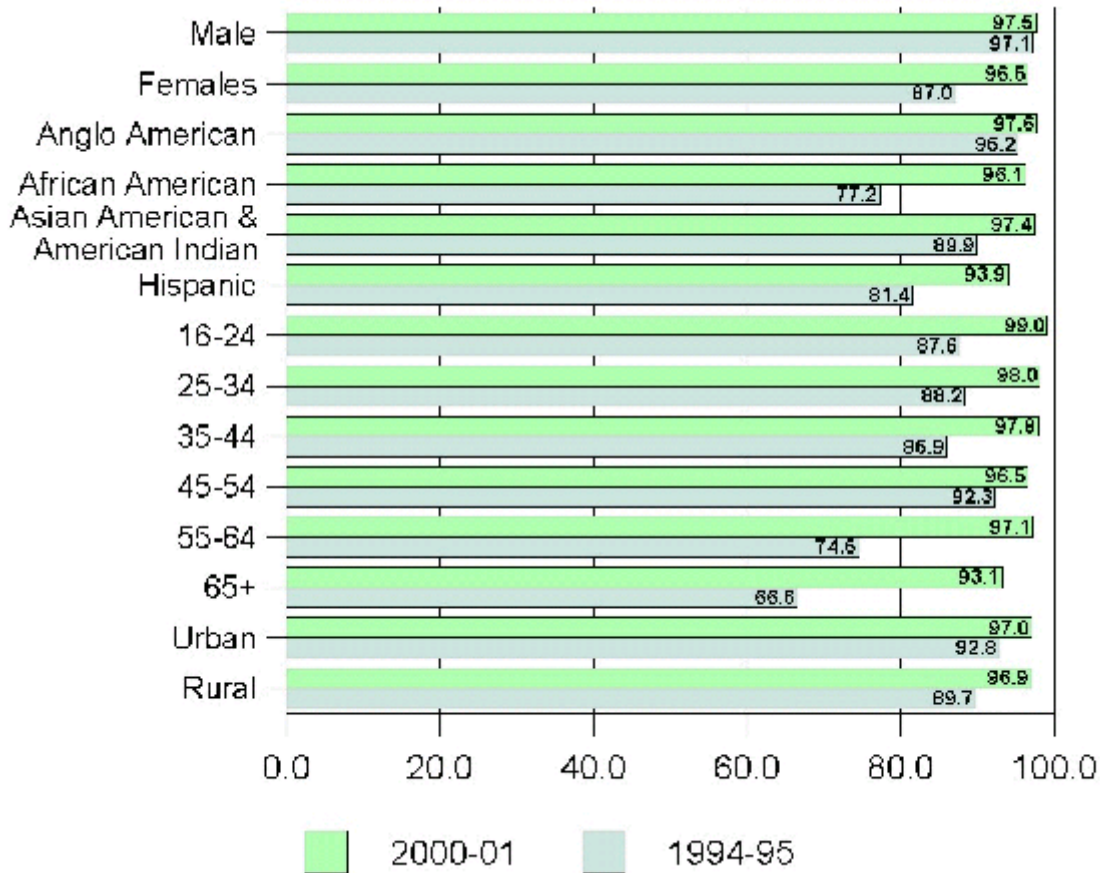
Step 4.7.a – Current Disability Distribution

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

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

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

Step 4.8 – Recreation Participation Analysis by Demographic Strata



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

- < The previous graph shows the increased participation 1995 -2001 for all demographic groups

for the region as a whole.³ If you managed for the fastest growing groups in participation over time, what activities would you emphasize?

- < The greatest increases in participation between 1995 and 2001 across all demographic groups occurred among 65 +, 55-64, Hispanic American, African American, and Female demographic groups.
- < Because of their increases in participation, if you market more to these groups, what would you emphasize?

High Growth Strata	Favored Activities
1 st) 65+	<ol style="list-style-type: none"> 1. View birds 2. View or photograph wildflowers, trees, or other natural vegetation 3. Gather mushrooms, berries, and other non-timber products
2 nd) 55-64	<ol style="list-style-type: none"> 1. View or photograph fish 2. View or photograph wildflowers, trees, or other natural vegetation 3. View birds
3 rd) Hispanic American	<ol style="list-style-type: none"> 1. View birds 2. Day hiking 3. Mountain biking
4 th) African American	<ol style="list-style-type: none"> 1. Visit a wilderness or other primitive, roadless area 2. View birds 3. Drive off-road

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

5 th) Females	<ol style="list-style-type: none"> 1. View or photograph wildflowers, trees, or other natural vegetation 2. View birds 3. View wildlife 4. Developed camping 5. Gather mushrooms, berries, and other non-timber products
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Step 5. – Summing Step 4 Activity Scores Across Demographic Strata

Activity Ranking: Summary of Scoring Weights across all Demographic Segments

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

< In your market area, the following activities were most favored across groups:

Type II Activities	Total	Rank
View birds	16	18
View or photograph wildflowers, trees, or other natural vegetation	12	17
Big game hunting	9	16
View wildlife	8	15
Mountain biking	8	15
Drive off-road	7	13
Gather mushrooms, berries, and other non-timber products	6	12
Small game hunting	6	12
Horseback riding on trails	5	10
Backpacking	5	10
Swimming in streams, lakes, ponds, or the ocean	4	8
Day hiking	4	8

View or photograph fish	4	8
Primitive camping	4	8
Visit a wilderness or other primitive, roadless area	4	8
Visit waterside besides beach	4	8
Warmwater fishing	4	8
Developed camping	3	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 in across steps. The most popular activities in each step receive a rank of 19, the second most popular receive a rank of 18, down to 1 for least popular. Summing across ranks provides a single indicator of demand for activities in the market area
- < This analysis reveals that in your market are a viewing wildlife, viewing or photographing wildflowers, trees, or other natural vegetation, and viewing birds, are the activities most in demand -- across 3 dimensions of demand.

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

Type II Activities	Step 2 Score from Ranking Most Popular Activities in the Market Area (Source: table III 3d) ¹	Step 3 Score from Ranking by Rate of Growth in the Region (Source: Table III 3e)	Step 4 Score based on Cumulative Sum across Demographics Strata in the Market Area ³	Step 5 Total Score ⁴
View wildlife	18	17	15	50
View or photograph wildflowers, trees, or other natural vegetation	17	9.5	17	43.5
View birds	13	12	18	43
Gather mushrooms, berries, and other non-timber products	14	9.5	12	35.5
Drive off-road	8	14	13	35
View or photograph fish	7	18	8	33
Visit a wilderness or other primitive, roadless area	15	9.5	8	32.5
Mountain biking	6	9.5	15	30.5
Primitive camping	5	16	8	29
Swimming in streams, lakes, ponds, or the ocean	16	5	8	29
Horseback riding on trails	3	15	10	28
Visit waterside besides beach	10	9.5	8	27.5
Day hiking	12	4	8	24
Developed camping	9	13	1	23
Small game hunting	4	6	12	22
Warmwater fishing	11	3	8	22
Big game hunting	1	2	16	19
Backpacking	2	1	10	13

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

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

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

⁴ Sum of scores across columns.

Step 7. – Identifying Niche Activities

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

Exercise

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

My Forest’s Special Niche Activities

Niche Activities

Step 8. – Equity Analysis

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

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

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

Rural							
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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)	U	Comments evaluating whether my NF is best positioned to provide this activity.
1.		
2.		
3.		
4.		
5.		
6.		

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

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

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

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

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

Observations and Comments on Recreation Realignment Activities



Appendix I

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the DANIEL BOONE NATIONAL FOREST Market Area

2000	FIPS		Number of	Total	Total	Projected
	code	County name	NSRE interviews	population 2000	population 2020	percent change, to 2020
	47155	Sevier, TN	9	69,330	109,177	57.5
	21015	Boone, KY	7	80,238	122,622	52.8
	39027	Clinton, OH	7	42,010	58,606	39.5
	39025	Clermont, OH	19	184,160	255,621	38.8
	47035	Cumberland, TN	14	44,613	60,917	36.5
	47141	Putnam, TN	6	63,143	86,029	36.2
	39165	Warren, OH	14	143,820	195,765	36.1
	47145	Roane, TN	11	52,615	68,768	30.7
	21113	Jessamine, KY	7	36,740	46,917	27.7
	39131	Pike, OH	8	28,652	36,256	26.5
	47173	Union, TN	4	16,158	20,231	25.2
	47121	Meigs, TN	5	9,800	12,253	25.0
	47009	Blount, TN	14	103,357	129,043	24.9
	47105	Loudon, TN	5	38,284	47,827	24.9
	21209	Scott, KY	5	29,620	36,880	24.5
	47143	Rhea, TN	5	28,586	35,591	24.5
	21125	Laurel, KY	9	51,102	63,334	23.9
	21195	Pike, KY	11	78,315	96,995	23.9
	47151	Scott, TN	5	20,719	25,439	22.8
	21071	Floyd, KY	1	46,670	57,147	22.4
	47129	Morgan, TN	5	19,339	23,661	22.3
	21051	Clay, KY	13	25,778	31,372	21.7
	39163	Vinton, OH	2	12,771	15,477	21.2
	47123	Monroe, TN	9	34,640	41,808	20.7
	21207	Russell, KY	8	16,703	20,126	20.5
	21081	Grant, KY	5	19,751	23,772	20.4
	47025	Clai borne, TN	6	30,063	36,196	20.4
	47179	Washington, TN	19	103,687	124,860	20.4
	47007	Bledsoe, TN	2	10,693	12,821	19.9
	21197	Powell, KY	1	12,825	15,338	19.6
	21147	McCreary, KY	11	17,434	20,759	19.1
	51185	Tazewell, VA	13	49,424	58,698	18.8
	39001	Adams, OH	5	28,998	34,353	18.5
	47049	Fentress, TN	9	16,300	19,291	18.3
	39079	Jackson, OH	4	33,500	39,562	18.1
	21231	Wayne, KY	3	19,270	22,713	17.9
	51167	Russell, VA	4	30,594	35,996	17.7
	21205	Rowan, KY	3	22,514	26,477	17.6
	21211	Shelby, KY	2	28,928	34,012	17.6
	47159	Smith, TN	5	16,025	18,787	17.2
	39047	Fayette, OH	3	29,752	34,819	17.0
	39141	Ross, OH	11	77,330	90,276	16.7
	21003	Allen, KY	2	16,354	19,003	16.2
	21117	Kenton, KY	15	151,528	175,832	16.0
	21191	Pendleton, KY	4	14,005	16,190	15.6
	47073	Hawkins, TN	6	49,597	57,116	15.2

21077 Gallatin, KY 1 6,432 7,394 15.0

Source: NSRE is the National Survey on Recreation and the Environment, 2000-2001.
USDA Forest Service, Southern Research Station, Athens, GA.

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

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the DANIEL BOONE NATIONAL FOREST Market Area

2000	FIPS code	County name	Number of	Total	Total	Projected
			NSRE interviews	population 2000	population 2020	percent change, to 2020
	21121	Knox, KY	5	32,574	37,458	15.0
	47093	Knox, TN	58	375,304	431,212	14.9
	47029	Cocke, TN	6	32,290	37,022	14.7
	21153	Magoffin, KY	5	14,235	16,239	14.1
	47001	Anderson, TN	15	74,251	84,705	14.1
	47089	Jefferson, TN	7	40,262	45,910	14.0
	21037	Campbell, KY	16	90,244	102,692	13.8
	21023	Bracken, KY	1	8,489	9,633	13.5
	21159	Martin, KY	4	13,344	15,148	13.5
	47057	Grainger, TN	10	19,320	21,920	13.5
	39145	Scioto, OH	16	84,366	95,087	12.7
	47063	Hamblen, TN	11	54,485	61,382	12.7
	21239	Woodford, KY	2	22,318	25,113	12.5
	39071	Highland, OH	7	40,506	45,490	12.3
	39015	Brown, OH	7	40,044	44,720	11.7
	21067	Fayette, KY	45	245,772	274,124	11.5
	21199	Pulaski, KY	6	56,169	62,654	11.5
	21167	Mercer, KY	5	20,621	22,965	11.4
	21151	Madison, KY	10	64,814	71,751	10.7
	21135	Lewis, KY	6	13,730	15,161	10.4
	21133	Letcher, KY	2	27,633	30,417	10.1
	21175	Morgan, KY	9	13,680	15,052	10.0
	21193	Perry, KY	6	32,076	35,298	10.0
	21203	Rockcastle, KY	2	15,815	17,399	10.0
	47013	Campbell, TN	7	37,993	41,796	10.0
	21179	Nelson, KY	2	34,234	37,614	9.9
	21173	Montgomery, KY	2	21,082	23,102	9.6
	21161	Mason, KY	0	17,607	19,140	8.7
	54079	Putnam, WV	8	49,994	54,356	8.7
	21099	Hart, KY	4	16,530	17,923	8.4
	21215	Spencer, KY	3	8,332	8,984	7.8
	47019	Carter, TN	8	53,767	57,796	7.5
	21005	Anderson, KY	4	17,486	18,781	7.4
	21103	Henry, KY	7	14,451	15,472	7.1
	21009	Barren, KY	9	36,268	38,626	6.5
	21045	Casey, KY	9	14,715	15,631	6.2
	21001	Adair, KY	6	16,538	17,548	6.1
	47087	Jackson, TN	2	9,437	10,008	6.1
	21073	Franklin, KY	8	46,818	49,644	6.0
	37115	Madison, NC	2	18,191	19,276	6.0

51195	Wise, VA	10	44,903	47,574	5.9
21115	Johnson, KY	5	24,408	25,816	5.8
21021	Boyle, KY	5	27,066	28,610	5.7
21123	Larue, KY	6	12,805	13,524	5.6
21217	Taylor, KY	7	22,985	24,279	5.6
51051	Dickenson, VA	12	17,803	18,697	5.0
54045	Logan, WV	9	42,947	45,093	5.0

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

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

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

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the DANIEL BOONE NATIONAL FOREST Market Area

2000	FIPS		Number of	Total	Total	Projected
	code	County name	NSRE interviews	population 2000	population 2020	percent change, to 2020
	47041	DeKalb, TN	1	15,448	16,211	4.9
	21169	Metcalfe, KY	3	9,397	9,840	4.7
	47169	Trousdale, TN	2	6,514	6,821	4.7
	21025	Breathitt, KY	8	15,702	16,426	4.6
	47177	Warren, TN	5	35,563	37,212	4.6
	21119	Knott, KY	18	18,619	19,451	4.5
	51191	Washington, VA	9	66,975	70,008	4.5
	21109	Jackson, KY	6	12,830	13,396	4.4
	21229	Washington, KY	2	10,815	11,290	4.4
	21011	Bath, KY	4	10,259	10,702	4.3
	47163	Sullivan, TN	23	150,239	156,616	4.2
	21131	Leslie, KY	2	13,754	14,320	4.1
	21065	Estill, KY	1	15,794	16,422	4.0
	21235	Whitley, KY	4	35,560	36,972	4.0
	47059	Greene, TN	11	58,635	60,935	3.9
	21129	Lee, KY	2	7,927	8,220	3.7
	21079	Garrard, KY	1	13,118	13,579	3.5
	47107	McMinn, TN	7	45,328	46,934	3.5
	51173	Smyth, VA	8	33,512	34,673	3.5
	51105	Lee, VA	16	24,606	25,449	3.4
	51169	Scott, VA	4	23,376	24,178	3.4
	39105	Meigs, OH	2	24,243	24,959	3.0
	21155	Marion, KY	1	16,873	17,365	2.9
	21049	Clark, KY	3	31,015	31,861	2.7
	47171	Unicoi, TN	0	16,926	17,375	2.7
	39061	Hamilton, OH	71	870,824	892,164	2.5
	54099	Wayne, WV	6	42,906	43,977	2.5
	21137	Lincoln, KY	2	21,609	22,129	2.4
	21013	Bell, KY	9	30,648	31,343	2.3
	21069	Fleming, KY	1	13,123	13,418	2.2
	39053	Gallia, OH	9	32,742	33,473	2.2
	39087	Lawrence, OH	6	64,492	65,854	2.1
	47185	White, TN	1	21,356	21,809	2.1
	21187	Owen, KY	7	9,638	9,835	2.0
	54005	Boone, WV	5	26,400	26,937	2.0
	21165	Menifee, KY	2	5,408	5,512	1.9
	21237	Wolfe, KY	1	7,264	7,401	1.9
	47067	Hancock, TN	3	6,878	6,999	1.8
	21043	Carter, KY	5	26,272	26,723	1.7
	21017	Bourbon, KY	5	19,308	19,574	1.4
	21019	Boyd, KY	7	50,750	51,464	1.4
	21089	Greenup, KY	3	37,094	37,609	1.4
	54053	Mason, WV	8	25,713	26,055	1.3
	21063	Elliott, KY	5	6,557	6,636	1.2
	47027	Clay, TN	2	7,225	7,314	1.2
	21097	Harrison, KY	4	17,037	17,227	1.1
	21095	Harlan, KY	9	36,291	36,613	0.9

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

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

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

I: OVERVIEW OF MARKET AREA

Table 1--Descriptive statistics for the DANIEL BOONE NATIONAL FOREST Market Area

2000	FIPS		Number of	Total	Total	Projected
	code	County name	NSRE interviews	population 2000	population 2020	percent change, to 2020
	54043	Lincoln, W	8	22,202	22,380	0.8
	54059	Mingo, W	6	33,678	33,897	0.7
	47175	Van Buren, TN	2	5,084	5,114	0.6
	21181	Nicholas, KY	3	7,014	7,047	0.5
	21053	Clinton, KY	4	9,317	9,344	0.3
	51027	Buchanan, VA	16	30,428	30,531	0.3
	21127	Lawrence, KY	4	15,353	15,358	0.0
	47111	Macon, TN	3	16,869	16,871	0.0
	21087	Green, KY	7	10,401	10,391	-0.1
	21171	Monroe, KY	4	11,628	11,562	-0.6
	47133	Overton, TN	7	18,211	18,065	-0.8
	47137	Pickett, TN	2	4,565	4,521	-1.0
	21201	Robertson, KY	1	2,217	2,189	-1.3
	21189	Owsley, KY	4	5,367	5,276	-1.7
	54011	Cabell, W	20	96,045	93,252	-2.9
	21057	Cumberland, KY	3	6,886	6,643	-3.5
	54047	McDowell, W	5	31,430	26,591	-15.4
			=====	=====	=====	
			1,146	6,520,127	7,360,282	

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

DANIEL BOONE NATIONAL FOREST			
Statistic	Market Area	State	Region 8
1990 population (1,000s)	6,007.9	3,692.5	77,867.8
2000 population (1,000s)	6,520.1	3,961.0	88,998.0
2020 population (1,000s)	7,360.3	4,372.0	110,145.0
Percent change, 1990-2000	8.5	7.3	14.3
Percent change, 2000-2020	12.9	10.4	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

DANIEL BOONE 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	898.1	14.9	562.5	15.2	11,730.7
Age 25-34 17.1	969.6	16.1	609.1	16.5	13,294.3
Age 35-44 14.9	899.8	15.0	552.2	15.0	11,574.2
Age 45-54 10.1	643.3	10.7	382.4	10.4	7,851.9
Age 55-64 8.5	544.7	9.1	321.8	8.7	6,596.5
Age 65 & older 12.6	780.1	13.0	466.9	12.6	9,785.1
=====	=====	=====	=====	=====	=====
78.3	4,735.6	78.8	2,894.9	78.4	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

DANIEL BOONE 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	925.9	14.2	578.0	14.6	12,671.7
Age 25-34 13.5	809.5	12.4	500.0	12.6	11,976.4
Age 35-44 16.0	1,038.9	15.9	633.0	16.0	14,224.4
Age 45-54 13.4	922.0	14.1	547.8	13.8	11,920.4
Age 55-64 8.8	629.1	9.6	367.2	9.3	7,861.4
Age 65 & older 12.6	870.4	13.3	513.0	13.0	11,256.2
=====	=====	=====	=====	=====	=====
78.5	5,195.8	79.5	3,139.0	79.3	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

DANIEL BOONE 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	905.8	12.3	556.9	12.7	14,537.3
Age 25-34 13.1	860.6	11.7	520.5	11.9	14,437.1
Age 35-44 12.3	894.1	12.1	531.2	12.1	13,516.1
Age 45-54 11.6	870.5	11.8	511.5	11.7	12,746.4
Age 55-64 12.9	1,050.8	14.3	613.0	14.0	14,200.7
Age 65 & older 16.9	1,393.7	18.9	797.3	18.2	18,619.7
=====	=====	=====	=====	=====	=====
80.0	5,975.5	81.1	3,530.4	80.6	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

DANIEL BOONE 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	27.8	3.1	15.5	2.8	941.0
Age 25-34 -9.9	-160.1	-16.5	-109.1	-17.9	-1,317.9
Age 35-44 22.9	139.1	15.5	80.8	14.6	2,650.2
Age 45-54 51.8	278.7	43.3	165.4	43.2	4,068.5
Age 55-64 19.2	84.4	15.5	45.4	14.1	1,264.9
Age 65 & older 15.0	90.3	11.6	46.1	9.9	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

DANIEL BOONE NATIONAL FOREST

(Absolute change in 1000s.)

Pct. change, REGION 8 Age Group 2000 to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020
Age 15-24 14.7	-20.1	-2.2	-21.1	-3.7	1,865.6
Age 25-34 20.5	51.1	6.3	20.5	4.1	2,460.7
Age 35-44 -5.0	-144.8	-13.9	-101.8	-16.1	-708.3
Age 45-54 6.9	-51.5	-5.6	-36.3	-6.6	826.0
Age 55-64 80.6	421.7	67.0	245.8	66.9	6,339.3
Age 65 & older 65.4	523.3	60.1	284.3	55.4	7,363.5

Source: Woods & Poole Economics Inc., 1997.

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

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

DANIEL BOONE NATIONAL FOREST						
(Number of households in 1000s.)						
REGION 8	MARKET AREA		STATE		REGION 8	
	# households	% households	# households	% households	# households	%
households	1990	1990	1990	1990	1990	
Household size						
1990						
1 person households	526.1	23.3	319.4	23.2	6,861.2	
23.7						
2 person households	724.0	32.1	440.1	31.9	9,422.9	
32.6						
3 person households	440.1	19.5	271.9	19.7	5,225.3	
18.1						
4 person households	358.5	15.9	222.5	16.1	4,381.1	
15.2						
5+ person households	204.5	9.1	125.7	9.1	3,011.3	
10.4						
	=====	=====	=====	=====	=====	
	2,253.2	99.9	1,379.6	100.0	28,901.8	
100.0						

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

Percentages may not sum to 100 because of rounding.

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

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

DANIEL BOONE NATIONAL FOREST						
(Number of households in 1000s.)						
REGION 8	MARKET AREA		STATE		REGION 8	
	# households	% households	# households	% households	# households	%
households	1998	1998	1998	1998	1998	
Household size						
1998						
1 person households	596.4	24.1	362.0	23.9	7,974.0	
24.4						
2 person households	812.4	32.9	495.0	32.7	10,902.9	
33.4						
3 person households	463.0	18.7	287.0	18.9	5,689.2	
17.4						
4 person households	391.6	15.9	244.4	16.1	4,977.5	
15.2						
5+ person households	206.4	8.4	127.4	8.4	3,138.4	
9.6						
	=====	=====	=====	=====	=====	
	2,469.8	100.0	1,515.8	100.0	32,682.0	
100.0						

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

Percentages may not sum to 100 because of rounding.

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

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

DANIEL BOONE NATIONAL FOREST						
(Number of households in 1000s.)						
REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
households	# households	% households	# households	% households	# households	%
Household size	2003	2003	2003	2003	2003	
1 person households	655.6	25.1	397.4	24.9	8,935.5	
25.3						
2 person households	876.3	33.6	532.0	33.3	11,983.4	
34.0						
3 person households	466.3	17.9	288.2	18.1	5,863.4	
16.6						
4 person households	400.1	15.3	249.4	15.6	5,218.9	
14.8						
5+ person households	208.8	8.0	129.0	8.1	3,272.4	
9.3						
	=====	=====	=====	=====	=====	
	2,607.1	99.9	1,596.0	100.0	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

DANIEL BOONE 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 to 1998	1990 to 1998	1990 to 1998	1990 to 1998	1990
1 person households 16.2	70.3	13.4	42.6	13.3	1,112.8	
2 person households 15.7	88.4	12.2	54.9	12.5	1,480.0	
3 person households 8.9	22.9	5.2	15.1	5.6	463.9	
4 person households 13.6	33.1	9.2	21.9	9.8	596.4	
5+ person households 4.2	1.9	0.9	1.7	1.3	127.1	

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

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

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

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

DANIEL BOONE 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 to 2003	1998 to 2003	1998 to 2003	1998 to 2003	1998
1 person households 12.1	59.2	9.9	35.4	9.8	961.5	
2 person households 9.9	63.9	7.9	37.0	7.5	1,080.5	
3 person households 3.1	3.3	0.7	1.2	0.4	174.2	
4 person households 4.8	8.5	2.2	5.0	2.0	241.4	
5+ person households 4.3	2.4	1.1	1.6	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.)

DANIEL BOONE 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	5,615.7	93.5	3,403.3	92.2	62,118.5
Black populati on 18.2	353.2	5.9	265.1	7.2	14,200.0
Other populati on 2.0	39.0	0.6	24.1	0.7	1,549.2
=====	=====	=====	=====	=====	=====
100.0	6,007.9	100.0	3,692.5	100.1	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.)

DANIEL BOONE NATIONAL FOREST

(Population in 1000s.)

REGION 8	MARKET AREA		STATE		REGION 8	
	population	% population	population	% population	population	%
Race/ethnicity	1990	1990	1990	1990	1990	
Hispanic population	27.2	0.5	22.0	0.6	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.)

DANIEL BOONE 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	6,061.1	93.0	3,632.8	91.7	70,074.9
Black populati on 18.7	405.5	6.2	295.8	7.5	16,682.8
Other populati on 2.5	53.6	0.8	32.4	0.8	2,240.2
=====	=====	=====	=====	=====	=====
99.9	6,520.2	100.0	3,961.0	100.0	88,997.9

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

OTHER population includes Asians, Pacific Islanders and American Indians.

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

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

(Hispanics ONLY, can be of any race.)

DANIEL BOONE NATIONAL FOREST

(Population in 1000s.)

REGION 8	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
Race/ethnicity	2000	2000	2000	2000	2000
Hispanic population	53.0	0.8	36.0	0.9	9,890.5

11.1

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

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

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

(Hispanics included, can be of any race.)

DANIEL BOONE 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	6, 786. 4	92. 2	3, 974. 9	90. 9	84, 620. 4
Black populati on 19. 5	495. 8	6. 7	350. 3	8. 0	21, 508. 1
Other populati on 3. 6	78. 1	1. 1	46. 8	1. 1	4, 016. 5
=====	=====	=====	=====	=====	=====
99. 9	7, 360. 3	100. 0	4, 372. 0	100. 0	110, 145. 0

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

OTHER population includes Asians, Pacific Islanders and American Indians.

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

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

(Hispanics ONLY, can be of any race.)

DANIEL BOONE NATIONAL FOREST

(Population in 1000s.)

REGION 8	MARKET AREA		STATE		REGION 8	
	population	% population	population	% population	population	%
Race/ethnicity	2020	2020	2020	2020	2020	
Hispanic population	115.2	1.6	70.2	1.6	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

DANIEL BOONE 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	MARKET AREA	STATE	STATE	REGION 8	
	1990 to 2000	1990 to 2000	1990 to 2000	1990 to 2000	1990 to 2000	1990
White population	445.4	7.9	229.5	6.7	7,956.4	
12.8 Black population	52.3	14.8	30.7	11.6	2,482.8	
17.5 Other population	14.6	37.4	8.3	34.2	691.0	
44.6 Hispanic population	25.8	95.1	14.0	63.7	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

DANIEL BOONE 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	MARKET AREA	STATE	STATE	REGION 8	
	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020	2000
White population	725.3	12.0	342.1	9.4	14,545.5	
20.8						
Black population	90.3	22.3	54.5	18.4	4,825.3	
28.9						
Other population	24.5	45.8	14.4	44.6	1,776.3	
79.3						
Hispanic population	62.2	117.2	34.2	94.9	7,931.9	
80.2						

Source: Woods & Poole Economics Inc. , 1997.

OTHER population includes Asians, Pacific Islanders and American Indians.

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

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

DANIEL BOONE NATIONAL FOREST

(Population in 1000s.)

REGION 8 Income households category 1990	MARKET AREA		STATE		REGION 8	
	# households	% households	# households	% households	# households	%
	1990	1990	1990	1990	1990	
\$<20k	1,008.9	44.4	619.8	44.8	11,080.2	
38.2						
\$20-29.999k	395.3	17.4	244.2	17.6	5,163.7	
17.8						
\$30-39.999k	306.7	13.5	188.2	13.6	4,133.7	
14.2						
\$40-49.999k	209.4	9.2	127.3	9.2	2,945.7	
10.2						
\$50-74.999k	237.0	10.4	140.8	10.2	3,644.6	
12.6						
\$75-99.999k	62.5	2.8	35.7	2.6	1,111.0	
3.8						
\$100+k	51.0	2.2	28.2	2.0	938.0	
3.2						
	=====	=====	=====	=====	=====	
	2,270.8	99.9	1,384.2	100.0	29,016.9	
100.0						

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

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

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

DANIEL BOONE NATIONAL FOREST						
(Population in 1000s.)						
REGION 8 Income households category 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	# households	% population	# households	% households	# households	%
	2000	2000	2000	2000	2000	
\$<20k	885.4	35.3	538.9	35.6	10,022.4	
30.0						
\$20-29,999k	433.6	17.3	262.3	17.3	5,356.1	
16.0						
\$30-39,999k	409.2	16.3	250.9	16.6	5,477.9	
16.4						
\$40-49,999k	291.9	11.6	176.8	11.7	4,236.5	
12.7						
\$50-74,999k	329.7	13.2	195.3	12.9	5,339.0	
16.0						
\$75-99,999k	86.1	3.4	49.3	3.3	1,642.7	
4.9						
\$100+k	69.7	2.8	38.8	2.6	1,379.3	
4.1						
	=====	=====	=====	=====	=====	
	2,505.6	99.9	1,512.3	100.0	33,453.9	
100.1						

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

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

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

DANIEL BOONE NATIONAL FOREST

(Population in 1000s.)

REGION 8 Income households category 2020	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	# households	% population	# households	% households	# households	%
	2020	2020	2020	2020	2020	
\$<20k	618.9	21.6	368.9	21.8	7,233.6	
17.4						
\$20-29.999k	348.8	12.2	211.0	12.4	4,077.9	
9.8						
\$30-39.999k	505.2	17.6	300.6	17.7	5,709.8	
13.7						
\$40-49.999k	487.8	17.0	295.8	17.4	6,756.3	
16.2						
\$50-74.999k	617.3	21.5	358.1	21.1	11,093.2	
26.7						
\$75-99.999k	160.7	5.6	90.2	5.3	3,648.1	
8.8						
\$100+k	128.8	4.5	70.7	4.2	3,060.0	
7.4						
	=====	=====	=====	=====	=====	
	2,867.5	100.0	1,695.3	99.9	41,578.9	
100.0						

Source: Woods & Poole Economics Inc. , 1997.

Percentages may not sum to 100 because of rounding.

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

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

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

DANIEL BOONE NATIONAL FOREST

(Absolute change in 1000s.)

change, Income REGION 8 category to 2000	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	1990 to 2000	1990 to 2000	1990 to 2000	1990 to 2000	1990 to 2000	1990
\$<20k	-123.5	-12.2	-80.9	-13.1	-1,057.8	
-9.5						
\$20-29.999k	38.3	9.7	18.1	7.4	192.4	
3.7						
\$30-39.999k	102.5	33.4	62.7	33.3	1,344.2	
32.5						
\$40-49.999k	82.5	39.4	49.5	38.9	1,290.8	
43.8						
\$50-74.999k	92.7	39.1	54.5	38.7	1,694.4	
46.5						
\$75-99.999k	23.6	37.8	13.6	38.2	531.7	
47.9						
\$100+k	18.7	36.5	10.6	37.7	441.3	
47.0						

Source: Woods & Poole Economics Inc., 1997.

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

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

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

DANIEL BOONE NATIONAL FOREST

(Absolute change in 1000s.)

change, Income REGION 8 category to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,	Pct.
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8	
	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020	2000
\$<20k	-266.5	-30.1	-170.0	-31.5	-2,788.8	
-27.8						
\$20-29.999k	-84.8	-19.6	-51.3	-19.5	-1,278.2	
-23.9						
\$30-39.999k	96.0	23.5	49.7	19.8	231.9	
4.2						
\$40-49.999k	195.9	67.1	119.0	67.3	2,519.8	
59.5						
\$50-74.999k	287.6	87.2	162.8	83.4	5,754.2	
107.8						
\$75-99.999k	74.6	86.7	40.9	82.9	2,005.4	
122.1						
\$100+k	59.1	84.8	31.9	82.2	1,680.7	
121.9						

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

DANIEL BOONE 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	3,289.4	54.8	1,783.6	48.3	55,312.3
Non-metropolitan	2,718.5	45.2	1,908.9	51.7	22,555.5
	=====	=====	=====	=====	=====
	6,007.9	100.0	3,692.5	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

DANIEL BOONE NATIONAL FOREST

(Population in 1000s.)

REGION 8 Metropolitan population status 2000	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	population	% population	population	% population	population %
	2000	2000	2000	2000	2000
Metropolitan	3,577.6	54.9	1,909.7	48.2	64,613.4
72.6					
Non-metropolitan	2,942.5	45.1	2,051.3	51.8	24,384.6
27.4					
=====	=====	=====	=====	=====	=====
100.0	6,520.1	100.0	3,961.0	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

DANIEL BOONE 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	4,065.6	55.2	2,110.1	48.3	82,890.0
Non-metropolitan	3,294.6	44.8	2,261.9	51.7	27,255.0
=====	=====	=====	=====	=====	=====
100.0	7,360.2	100.0	4,372.0	100.0	110,145.0

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

DANIEL BOONE NATIONAL FOREST

Pct. change, Metropolitan REGION 8 status 1990 to 2000	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	1990 to 2000	1990 to 2000	1990 to 2000	1990 to 2000	1990 to 2000
Metropolitan	288.2	8.8	126.1	7.1	9,301.1
Non-metropolitan	224.0	8.2	142.4	7.5	1,829.1
16.8					
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

DANIEL BOONE NATIONAL FOREST

Pct. change, Metropolitan REGION 8 status 2000 to 2020	Abs. change,	Pct. change,	Abs. change,	Pct. change,	Abs. change,
	MARKET AREA	MARKET AREA	STATE	STATE	REGION 8
	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020	2000 to 2020
Metropolitan 28.3	488.0	13.6	200.4	10.5	18,276.6
Non-metropolitan 11.8	352.1	12.0	210.6	10.3	2,870.4

Source: Woods & Poole Economics Inc., 1997.

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

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

DANIEL BOONE 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	216.0	5.7	126.5	5.5	2,478.9
5.1						
	Work disability, age 16-64	456.9	12.0	265.3	11.4	4,331.3
8.9						
	Mobility/self-care, age 65+	182.9	24.9	110.5	25.0	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

DANIEL BOONE NATIONAL FOREST

(Population in 1000s.)

REGION 8	MARKET AREA		STATE		REGION 8	
	population	% population	population	% population	population	%
1998	1998	1998	1998	1998	1998	
Gender						
Male population	3,106.5	48.3	1,906.3	48.3	42,115.0	
48.5						
Female population	3,321.0	51.7	2,039.1	51.7	44,779.1	
51.5						
=====	=====	=====	=====	=====	=====	
100.0	6,427.5	100.0	3,945.4	100.0	86,894.1	

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

(Data on gender available for 1990 only.)

Percentages may not sum to 100 because of rounding.

Appendix III

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

DANIEL BOONE NATIONAL FOREST

Management objective	Market area percent	Market area sample size	Region 8 percent	Region 8 sample size
Conserve & protect F&G (esp. water)	96.6	49	90.9	486
Inform public about recreation concerns	79.0	38	85.8	385
Preserve 'wilderness' experience on F&G	78.8	52	66.9	468
Introduce a recreation fee	71.8	34	60.4	321
Develop volunteer programs: maintenance	61.0	45	71.7	380
Designate trails for specific rec. uses	59.7	44	50.0	385
Increase law enforcement efforts	59.2	49	69.1	347
Develop trail systems (nonmotorized rec)	53.5	38	55.2	391
Designate more wilderness areas	48.3	42	57.2	376
Expand commercial recreation on F&G	39.3	34	39.1	385
Develop paved roads on F&G for access	34.1	49	26.2	386
Develop trail systems (motorized rec.)	32.3	50	29.5	446
Make easier to get permits for some uses	30.0	38	36.3	376
Expand access for motorized OHVs on F&G	8.9	44	21.2	382

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

DANIEL BOONE NATIONAL FOREST

Management objective	Market area percent	Market area sample size	Region 8 percent	Region 8 sample size
Maintain NFs for future generations' use	96.1	172	92.4	1380
Protect streams & sources of clean water	95.4	172	93.6	1380
Provide habitat for wildlife & fish	88.1	172	87.0	1380
Use forest areas so they're left natural	87.9	172	85.1	1380
Provide info & educ services re: forests	85.9	172	78.8	1380
Emphasize planting & management of trees	82.9	172	77.4	1380
Provide quiet, natural places	80.1	172	74.3	1380
Protect rare plant & animal species	78.3	172	85.0	1380
Provide access, facil. & services for OR	74.9	172	75.9	1380
Provide roads & serv. for local business	58.6	172	60.1	1380
Provide grazing permits to ranchers	41.0	172	51.6	1380
Provide raw materials/prod. for industry	36.5	172	48.9	1380

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

		Percent and millions of participants			
		ALL ACTIVITY TYPES			
		MARKET AREA		REGION 8	
		Percent	MARKET AREA	Percent	#
REGION 8	Activity	participated	# particip.	2001	
Type	Activity	2001	2001	2001	
2001					
I	Walk for pleasure	83.5	4.19	81.0	
55.97					
I	Family gathering	74.8	3.76	72.3	
49.96					
I	Driving for pleasure	61.2	3.07	50.6	
34.96					
I	View/photograph natural scenery	60.7	3.05	55.5	
38.35					
I	Picnicking	60.2	3.02	49.1	
33.93					
I	Sightseeing	57.8	2.90	51.4	
35.52					
I	Visit nature centers, etc	53.8	2.70	53.1	
36.69					
II	View wildlife	47.8	2.40	42.5	
29.37					
II	View/photograph wildflowers, trees, etc.	45.0	2.26	42.4	
29.30					
I	Visit historic sites	44.1	2.21	43.1	
29.78					
II	Swimming in natural water	38.0	1.91	40.0	
27.64					
II	Visit a wilderness	35.5	1.78	29.5	
20.38					
II	Gather mushrooms, berries, etc.	35.3	1.77	26.9	
18.59					
II	View birds	32.2	1.62	30.8	
21.28					
II	Day hiking	32.2	1.62	26.2	
18.10					
I	Boating	30.7	1.54	34.3	
23.70					
II	Warmwater fishing	30.5	1.53	28.5	
19.69					
I	Bicycling	29.6	1.49	34.2	
23.63					
II	Visit waterside besides beach	25.3	1.27	25.9	
17.90					
I	Motorboating	23.1	1.16	25.2	

17.41				
II	Developed camping	22.9	1.15	21.9
15.13				
II	Drive off-road	21.4	1.07	17.5
12.09				
II	View or photograph fish	19.9	1.00	25.5
17.62				
III	Visit archeol. sites	19.0	0.95	19.7
13.61				
II	Mountain biking	18.0	0.90	16.2
11.19				
II	Primitive camping	16.8	0.84	13.3
9.19				
III	Coldwater fishing	14.7	0.74	10.1
6.98				
II	Small game hunting	10.0	0.50	8.7
6.01				
II	Horseback riding on trails	9.7	0.49	8.2
5.67				
II	Backpacking	9.6	0.48	7.5
5.18				
II	Big game hunting	9.1	0.46	9.5
6.56				
III	Rafting	6.6	0.33	8.9
6.15				
III	Canoeing	6.5	0.33	7.8
5.39				
III	Waterskiing	5.7	0.29	8.4
5.80				
III	Snorkeling or scuba diving	5.2	0.26	6.7
4.63				
III	Saltwater fishing	4.3	0.22	14.2
9.81				
III	Kayaking	1.5	0.08	2.0
1.38				
III	Migratory bird hunting	1.0	0.05	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	4.19	81.0	55.97
Family gathering	74.8	3.76	72.3	49.96
Driving for pleasure	61.2	3.07	50.6	34.96
View/photograph natural scenery	60.7	3.05	55.5	38.35
Picnicking	60.2	3.02	49.1	33.93
Sightseeing	57.8	2.90	51.4	35.52
Visit nature centers, etc	53.8	2.70	53.1	36.69
Visit historic sites	44.1	2.21	43.1	29.78
Boating	30.7	1.54	34.3	23.70
Bicycling	29.6	1.49	34.2	23.63
Motorboating	23.1	1.16	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
Walk for pleasure	1.15	33.6
Bicycling	0.37	28.7
Family gathering	0.89	26.8
Visit nature centers, etc	0.60	24.2
Picnicking	0.54	17.8
Visit historic sites	0.32	13.4
Boating	0.15	7.3
Sightseeing	0.25	5.9
Motorboating	0.01	-2.1

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
View wildlife	47.8	2.40	42.5
29.37 View/photograph wildflowers, trees, etc.	45.0	2.26	42.4
29.30 Swimming in natural water	38.0	1.91	40.0
27.64 Visit a wilderness	35.5	1.78	29.5
20.38 Gather mushrooms, berries, etc.	35.3	1.77	26.9
18.59 View birds	32.2	1.62	30.8
21.28 Day hiking	32.2	1.62	26.2
18.10 Warmwater fishing	30.5	1.53	28.5
19.69 Visit waterside besides beach	25.3	1.27	25.9
17.90 Developed camping	22.9	1.15	21.9
15.13 Drive off-road	21.4	1.07	17.5
12.09 View or photograph fish	19.9	1.00	25.5
17.62 Mountain biking	18.0	0.90	16.2
11.19 Primitive camping	16.8	0.84	13.3
9.19 Small game hunting	10.0	0.50	8.7
6.01 Horseback riding on trails	9.7	0.49	8.2
5.67 Backpacking	9.6	0.48	7.5
5.18 Big game hunting	9.1	0.46	9.5
6.56			

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
View or photograph fish	0.68	201.5
View wildlife	1.05	71.9
Primitive camping	0.32	57.0
Horseback riding on trails	0.18	54.0
Drive off-road	0.36	45.6
Developed camping	0.38	44.9
View birds	0.47	35.9
Small game hunting	0.14	35.1
Swimming in natural water	0.34	18.0
Day hiking	0.28	17.1
Warmwater fishing	0.21	12.5
Big game hunting	0.06	11.0
Backpacking	0.06	10.3

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

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

Percent and millions of participants

Activity	MARKET AREA		REGION 8	
	Percent participated 2001	MARKET AREA # particip. 2001	Percent 2001	REGION 8 # particip. 2001
Visit archeol. sites	19.0	0.95	19.7	13.61
Coldwater fishing	14.7	0.74	10.1	6.98
Rafting	6.6	0.33	8.9	6.15
Canoeing	6.5	0.33	7.8	5.39
Waterskiing	5.7	0.29	8.4	5.80
Snorkeling or scuba diving	5.2	0.26	6.7	4.63
Saltwater fishing	4.3	0.22	14.2	9.81
Kayaking	1.5	0.08	2.0	1.38
Migratory bird hunting	1.0	0.05	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	0.05	150.0
Coldwater fishing	0.37	90.9
Snorkeling or scuba diving	0.11	67.7
Canoeing	0.08	25.0
Visit archeol. sites	0.18	19.5
Migratory bird hunting	0.00	-9.1
Saltwater fishing	-0.03	-17.3
Rafting	-0.10	-25.8
Waterskiing	-0.19	-41.8

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	21.3	10.1	2.11
Big game hunting	18.2	9.2	1.98
Backpacking	14.3	9.6	1.49
Warmwater fishing	43.3	30.6	1.42
Primitive camping	23.3	16.6	1.40
Drive off-road	28.4	21.5	1.32
Visit a wilderness or other primitive area	44.2	35.3	1.25
Mountain biking	22.5	18.0	1.25
Day hiking	40.1	32.3	1.24
Horseback riding on trails	11.7	9.5	1.23
View or photograph fish	23.3	19.9	1.17
Visit waterside besides beach	28.7	25.2	1.14
Swimming in natural water	42.9	37.9	1.13
Gather mushrooms, berries, etc.	39.1	35.2	1.11
Developed camping	24.2	22.7	1.07
View wildlife	47.2	47.7	0.99
View birds	30.2	32.2	0.94
View/photograph wildflowers, trees, etc.	39.8	45.1	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 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/photograph wildflowers, trees, etc.	49.4	45.1	1.10
View birds	33.9	32.2	1.05
View wildlife	48.1	47.7	1.01
Developed camping	21.5	22.7	0.95
Gather mushrooms, berries, etc.	31.9	35.2	0.91
Swimming in natural water	33.8	37.9	0.89
Visit waterside besides beach	22.3	25.2	0.88
View or photograph fish	17.2	19.9	0.86
Horseback riding on trails	7.7	9.5	0.81
Visit a wilderness or other primitive area	28.1	35.3	0.80
Day hiking	25.9	32.3	0.80
Mountain biking	14.4	18.0	0.80
Drive off-road	15.9	21.5	0.74
Primitive camping	11.1	16.6	0.67
Warmwater fishing	20.2	30.6	0.66
Backpacking	5.8	9.6	0.60
Big game hunting	1.9	9.2	0.21
Small game hunting	1.1	10.1	0.11

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 %
Primitive camping	38.7	17.0	2.28
Mountain biking	37.8	18.3	2.07
Backpacking	20.2	9.8	2.06
Horseback riding on trails	17.5	9.8	1.79
Drive off-road	37.7	21.3	1.77
Swimming in natural water	63.2	38.4	1.65
Visit waterside besides beach	39.9	25.3	1.58
Warmwater fishing	46.0	30.7	1.50
Visit a wilderness or other primitive area	51.3	35.7	1.44
Developed camping	32.6	23.1	1.41
Gather mushrooms, berries, etc.	47.9	35.6	1.35
Big game hunting	12.2	9.2	1.33
Small game hunting	12.4	10.1	1.23
Day hiking	39.5	32.5	1.22
View or photograph fish	18.6	20.2	0.92
View wildlife	42.7	48.1	0.89
View/photograph wildflowers, trees, etc.	31.1	45.0	0.69
View birds	20.3	31.6	0.64

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	16.3	9.2	1.77
Drive off-road	31.4	21.3	1.47
Mountain biking	26.2	18.3	1.43
Horseback riding on trails	13.2	9.8	1.35
Small game hunting	13.2	10.1	1.31
Visit waterside besides beach	32.8	25.3	1.30
View or photograph fish	26.2	20.2	1.30
Day hiking	42.0	32.5	1.29
Visit a wilderness or other primitive area	45.6	35.7	1.28
Primitive camping	21.7	17.0	1.28
Developed camping	28.3	23.1	1.23
Warmwater fishing	37.5	30.7	1.22
Backpacking	11.8	9.8	1.20
Swimming in natural water	44.3	38.4	1.15
Gather mushrooms, berries, etc.	40.0	35.6	1.12
View wildlife	49.4	48.1	1.03
View birds	29.9	31.6	0.95
View/photograph wildflowers, trees, etc.	42.2	45.0	0.94

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

Demographic category= AGE, Strata= Age 35-44

Activity	Percent participating		
	35-44	Total Market Area	Ratio of strata % to market area %
Backpacking	12.7	9.8	1.30
Mountain biking	23.3	18.3	1.27
Day hiking	40.7	32.5	1.25
Developed camping	28.8	23.1	1.25
Swimming in natural water	45.6	38.4	1.19
Visit waterside besides beach	28.7	25.3	1.13
View wildlife	53.8	48.1	1.12
Visit a wilderness or other primitive area	39.7	35.7	1.11
Drive off-road	23.7	21.3	1.11
Big game hunting	10.1	9.2	1.10
Small game hunting	10.9	10.1	1.08
Gather mushrooms, berries, etc.	37.6	35.6	1.06
View/photograph wildflowers, trees, etc.	46.8	45.0	1.04
View or photograph fish	21.0	20.2	1.04
Warmwater fishing	30.8	30.7	1.00
Horseback riding on trails	9.5	9.8	0.97
View birds	30.4	31.6	0.96
Primitive camping	15.9	17.0	0.94

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

Demographic category= AGE, Strata= Age 45-54

Activity	Percent participating		
	45-54	Total Market Area	Ratio of strata % to market area %
View/photograph wildflowers, trees, etc.	56.5	45.0	1.26
View birds	36.6	31.6	1.16
View wildlife	54.5	48.1	1.13
Small game hunting	11.0	10.1	1.09
Warmwater fishing	33.3	30.7	1.08
Horseback riding on trails	10.4	9.8	1.06
Day hiking	33.8	32.5	1.04
Swimming in natural water	38.4	38.4	1.00
Visit a wilderness or other primitive area	35.3	35.7	0.99
Visit waterside besides beach	24.4	25.3	0.96
View or photograph fish	19.3	20.2	0.96
Developed camping	21.2	23.1	0.92
Gather mushrooms, berries, etc.	31.3	35.6	0.88
Primitive camping	13.9	17.0	0.82
Drive off-road	16.6	21.3	0.78
Mountain biking	13.7	18.3	0.75
Backpacking	6.6	9.8	0.67
Big game hunting	6.2	9.2	0.67

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

Demographic category= AGE, Strata= Age 55-64

Activity	Percent participating		
	55-64	Total Market Area	Ratio of strata % to market area %
View or photograph fish	23.2	20.2	1.15
View/photograph wildflowers, trees, etc.	46.3	45.0	1.03
View birds	32.3	31.6	1.02
View wildlife	47.0	48.1	0.98
Warmwater fishing	25.3	30.7	0.82
Visit a wilderness or other primitive area	28.0	35.7	0.78
Small game hunting	7.7	10.1	0.76
Gather mushrooms, berries, etc.	24.7	35.6	0.69
Day hiking	22.2	32.5	0.68
Big game hunting	6.0	9.2	0.65
Visit waterside besides beach	16.2	25.3	0.64
Drive off-road	13.2	21.3	0.62
Swimming in natural water	22.8	38.4	0.59
Developed camping	13.5	23.1	0.58
Horseback riding on trails	5.2	9.8	0.53
Primitive camping	7.9	17.0	0.46
Backpacking	4.2	9.8	0.43
Mountain biking	6.7	18.3	0.37

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	40.1	31.6	1.27
View/photograph wildflowers, trees, etc.	46.8	45.0	1.04
Gather mushrooms, berries, etc.	30.3	35.6	0.85
View wildlife	40.4	48.1	0.84
View or photograph fish	14.2	20.2	0.70
Small game hunting	5.8	10.1	0.57
Big game hunting	5.1	9.2	0.55
Developed camping	12.3	23.1	0.53
Day hiking	15.7	32.5	0.48
Warmwater fishing	12.3	30.7	0.40
Visit a wilderness or other primitive area	14.1	35.7	0.39
Visit waterside besides beach	9.1	25.3	0.36
Swimming in natural water	13.6	38.4	0.35
Horseback riding on trails	2.8	9.8	0.29
Drive off-road	5.8	21.3	0.27
Backpacking	1.9	9.8	0.19
Primitive camping	3.0	17.0	0.18
Mountain biking	1.2	18.3	0.07

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

Demographic category= HOUSEHOLD SIZE, Strata= 1 PERSON HOUSEHOLD

Activity	Percent participating		
	1 person household	Total Market Area	Ratio of strata % to market area %
View birds	34.4	32.2	1.07
Big game hunting	9.5	9.4	1.01
View/photograph wildflowers, trees, etc.	42.6	46.0	0.93
View wildlife	43.0	46.8	0.92
Visit a wilderness or other primitive area	32.4	36.0	0.90
Day hiking	27.1	33.5	0.81
View or photograph fish	15.4	19.8	0.78
Small game hunting	7.7	9.9	0.78
Horseback riding on trails	7.4	9.6	0.77
Backpacking	7.7	10.2	0.75
Gather mushrooms, berries, etc.	25.3	34.4	0.74
Visit waterside besides beach	16.9	24.4	0.69
Developed camping	16.1	23.5	0.69
Drive off-road	13.4	21.0	0.64
Swimming in natural water	22.5	39.1	0.58
Warmwater fishing	18.0	31.1	0.58
Primitive camping	8.9	16.5	0.54
Mountain biking	8.3	17.7	0.47

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

Demographic category= HOUSEHOLD SIZE, Strata= 2 PERSON HOUSEHOLD

Activity	Percent participating		
	2 person household	Total Market Area	Ratio of strata % to market area %
View birds	37.9	32.2	1.18
View/photograph wildflowers, trees, etc.	51.2	46.0	1.11
View wildlife	47.1	46.8	1.01
Visit waterside besides beach	24.5	24.4	1.00
Gather mushrooms, berries, etc.	33.2	34.4	0.97
View or photograph fish	19.0	19.8	0.96
Backpacking	9.6	10.2	0.94
Day hiking	29.9	33.5	0.89
Mountain biking	15.7	17.7	0.89
Swimming in natural water	34.3	39.1	0.88
Warmwater fishing	27.5	31.1	0.88
Big game hunting	7.8	9.4	0.83
Visit a wilderness or other primitive area	29.1	36.0	0.81
Horseback riding on trails	7.7	9.6	0.80
Drive off-road	16.5	21.0	0.79
Small game hunting	7.7	9.9	0.78
Developed camping	18.0	23.5	0.77
Primitive camping	12.6	16.5	0.76

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	27.9	16.5	1.69
Drive off-road	31.2	21.0	1.49
Big game hunting	12.2	9.4	1.30
Warmwater fishing	39.1	31.1	1.26
View or photograph fish	24.8	19.8	1.25
Small game hunting	12.3	9.9	1.24
Swimming in natural water	47.1	39.1	1.20
Visit a wilderness or other primitive area	43.3	36.0	1.20
Mountain biking	20.8	17.7	1.18
Day hiking	38.9	33.5	1.16
Backpacking	11.8	10.2	1.16
Developed camping	26.7	23.5	1.14
View wildlife	50.7	46.8	1.08
View/photograph wildflowers, trees, etc.	48.7	46.0	1.06
Gather mushrooms, berries, etc.	35.0	34.4	1.02
Horseback riding on trails	9.5	9.6	0.99
Visit waterside besides beach	21.6	24.4	0.89
View birds	27.6	32.2	0.86

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 %
Developed camping	39.3	23.5	1.67
Horseback riding on trails	14.7	9.6	1.53
Visit waterside besides beach	36.0	24.4	1.48
Drive off-road	31.1	21.0	1.48
Mountain biking	26.1	17.7	1.47
Small game hunting	14.4	9.9	1.45
Swimming in natural water	56.2	39.1	1.44
Warmwater fishing	43.9	31.1	1.41
Gather mushrooms, berries, etc.	47.7	34.4	1.39
View or photograph fish	25.8	19.8	1.30
Visit a wilderness or other primitive area	44.0	36.0	1.22
Day hiking	39.2	33.5	1.17
Primitive camping	18.9	16.5	1.15
View wildlife	50.0	46.8	1.07
Backpacking	10.5	10.2	1.03
Big game hunting	9.6	9.4	1.02
View birds	29.8	32.2	0.93
View/photograph wildflowers, trees, etc.	38.2	46.0	0.83

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 %
Mountain biking	28.2	17.7	1.59
Backpacking	15.2	10.2	1.49
Horseback riding on trails	13.6	9.6	1.42
Warmwater fishing	38.2	31.1	1.23
Swimming in natural water	47.3	39.1	1.21
Day hiking	40.7	33.5	1.21
Primitive camping	19.8	16.5	1.20
Visit waterside besides beach	27.1	24.4	1.11
Visit a wilderness or other primitive area	39.5	36.0	1.10
Developed camping	25.0	23.5	1.06
Small game hunting	10.0	9.9	1.01
Gather mushrooms, berries, etc.	34.1	34.4	0.99
View/photograph wildflowers, trees, etc.	42.9	46.0	0.93
Big game hunting	8.7	9.4	0.93
View wildlife	40.4	46.8	0.86
Drive off-road	16.9	21.0	0.80
View birds	18.1	32.2	0.56
View or photograph fish	10.0	19.8	0.51

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		Ratio of strata % to market area %
	White	Total Market Area	
Primitive camping	17.8	16.8	1.06
View or photograph fish	20.9	20.0	1.05
View wildlife	49.7	48.0	1.04
Swimming in natural water	39.8	38.1	1.04
Warmwater fishing	32.0	30.7	1.04
Visit waterside besides beach	26.5	25.5	1.04
Developed camping	24.1	23.2	1.04
Small game hunting	10.6	10.2	1.04
Horseback riding on trails	10.1	9.7	1.04
Big game hunting	9.7	9.3	1.04
Gather mushrooms, berries, etc.	36.4	35.2	1.03
Backpacking	9.9	9.6	1.03
View/photograph wildflowers, trees, etc.	46.0	44.9	1.02
Day hiking	32.8	32.2	1.02
Drive off-road	22.1	21.7	1.02
Mountain biking	18.5	18.1	1.02
Visit a wilderness or other primitive area	36.1	35.7	1.01
View birds	32.7	32.3	1.01

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

Demographic category= RACE, Strata= BLACK

Activity	Percent participating		
	Black or Afric. Amer.	Total Market Area	Ratio of strata % to market area %
Visit a wilderness or other primitive area	32.5	35.7	0.91
View birds	25.7	32.3	0.80
Drive off-road	14.2	21.7	0.65
Day hiking	18.9	32.2	0.59
Mountain biking	9.9	18.1	0.55
Big game hunting	4.9	9.3	0.53
View/photograph wildflowers, trees, etc.	23.1	44.9	0.51
Small game hunting	4.9	10.2	0.48
Backpacking	4.6	9.6	0.48
Gather mushrooms, berries, etc.	13.0	35.2	0.37
View wildlife	15.1	48.0	0.31
Visit waterside besides beach	7.6	25.5	0.30
Developed camping	6.0	23.2	0.26
Warmwater fishing	5.2	30.7	0.17
Swimming in natural water	6.2	38.1	0.16
View or photograph fish	2.4	20.0	0.12
Horseback riding on trails	0.0	9.7	0.00
Primitive camping	0.0	16.8	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 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 %
Drive off-road	27.2	21.7	1.25
View/photograph wildflowers, trees, etc.	49.5	44.9	1.10
Day hiking	33.2	32.2	1.03
Horseback riding on trails	9.7	9.7	1.00
View or photograph fish	18.2	20.0	0.91
View birds	29.0	32.3	0.90
Warmwater fishing	26.9	30.7	0.88
Backpacking	7.7	9.6	0.80
Mountain biking	12.1	18.1	0.67
View wildlife	31.8	48.0	0.66
Gather mushrooms, berries, etc.	23.0	35.2	0.65
Developed camping	13.9	23.2	0.60
Swimming in natural water	17.1	38.1	0.45
Visit waterside besides beach	10.7	25.5	0.42
Visit a wilderness or other primitive area	14.8	35.7	0.41
Primitive camping	0.0	16.8	0.00
Big game hunting	0.0	9.3	0.00
Small game hunting	0.0	10.2	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 4d.4--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

Demographic category= RACE/ETHNICITY, Strata= HISPANIC

Activity	Percent participating		
	Hispanic	Total Market Area	Ratio of strata % to market area %
View birds	48.2	32.2	1.50
Day hiking	38.0	32.5	1.17
Mountain biking	20.7	18.0	1.15
View/photograph wildflowers, trees, etc.	44.4	45.2	0.98
View or photograph fish	19.4	20.1	0.97
Visit waterside besides beach	23.4	25.4	0.92
Gather mushrooms, berries, etc.	30.5	35.5	0.86
View wildlife	39.8	48.2	0.83
Warmwater fishing	23.5	30.5	0.77
Drive off-road	16.0	21.4	0.75
Primitive camping	12.6	16.9	0.75
Visit a wilderness or other primitive area	26.1	35.6	0.73
Swimming in natural water	21.6	38.2	0.57
Horseback riding on trails	5.5	9.7	0.57
Big game hunting	5.1	9.2	0.55
Small game hunting	5.1	9.9	0.52
Backpacking	4.6	9.7	0.47
Developed camping	7.6	23.0	0.33

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

Activity	Percent participating		
	\$<20k	Total Market Area	Ratio of strata % to market area %
Gather mushrooms, berries, etc.	32.2	35.4	0.91
Visit a wilderness or other primitive area	33.7	40.3	0.84
Swimming in natural water	33.2	41.1	0.81
View wildlife	40.2	51.1	0.79
View/photograph wildflowers, trees, etc.	38.6	49.1	0.79
Developed camping	16.8	23.4	0.72
Primitive camping	14.0	19.5	0.72
Mountain biking	13.0	18.0	0.72
View or photograph fish	13.8	20.7	0.67
Drive off-road	13.4	20.1	0.67
Day hiking	20.6	34.7	0.59
Visit waterside besides beach	18.0	30.4	0.59
View birds	16.8	30.5	0.55
Warmwater fishing	16.1	30.1	0.53
Horseback riding on trails	5.5	12.8	0.43
Backpacking	4.6	11.1	0.41
Big game hunting	2.9	9.0	0.32
Small game hunting	3.3	10.8	0.31

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

Activity	Percent participating		
	\$20-29. 999k	Total Market Area	Ratio of strata % to market area %
Small game hunting	15.6	10.8	1.44
Warmwater fishing	40.9	30.1	1.36
Big game hunting	11.6	9.0	1.29
Backpacking	13.4	11.1	1.21
Developed camping	27.0	23.4	1.15
Gather mushrooms, berries, etc.	38.9	35.4	1.10
View birds	33.2	30.5	1.09
Primitive camping	20.6	19.5	1.06
View/photograph wildflowers, trees, etc.	49.9	49.1	1.02
Day hiking	35.5	34.7	1.02
View or photograph fish	19.6	20.7	0.95
Horseback riding on trails	12.0	12.8	0.94
View wildlife	44.8	51.1	0.88
Visit a wilderness or other primitive area	31.7	40.3	0.79
Visit waterside besides beach	21.8	30.4	0.72
Mountain biking	12.9	18.0	0.72
Swimming in natural water	27.7	41.1	0.67
Drive off-road	12.0	20.1	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 4e.3--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

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

Activity	Percent participating		
	\$30-39. 999k	Total Market Area	Ratio of strata % to market area %
Small game hunting	16.5	10.8	1.53
Big game hunting	11.8	9.0	1.31
Drive off-road	25.4	20.1	1.26
Developed camping	28.1	23.4	1.20
Swimming in natural water	47.8	41.1	1.16
Visit waterside besides beach	35.0	30.4	1.15
Day hiking	33.7	34.7	0.97
Gather mushrooms, berries, etc.	33.5	35.4	0.95
View/photograph wildflowers, trees, etc.	45.8	49.1	0.93
Visit a wilderness or other primitive area	36.7	40.3	0.91
View birds	27.7	30.5	0.91
View wildlife	42.5	51.1	0.83
Primitive camping	16.0	19.5	0.82
Mountain biking	13.7	18.0	0.76
Warmwater fishing	21.8	30.1	0.72
View or photograph fish	14.8	20.7	0.71
Backpacking	7.9	11.1	0.71
Horseback riding on trails	8.1	12.8	0.63

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

Activity	Percent participating		
	\$40-49. 999k	Total Market Area	Ratio of strata % to market area %
Mountain biking	31.8	18.0	1.77
Visit waterside besides beach	53.0	30.4	1.74
Horseback riding on trails	18.9	12.8	1.48
View or photograph fish	30.2	20.7	1.46
Primitive camping	27.5	19.5	1.41
Drive off-road	28.0	20.1	1.39
Visit a wilderness or other primitive area	54.9	40.3	1.36
Developed camping	31.8	23.4	1.36
View birds	40.5	30.5	1.33
Swimming in natural water	52.6	41.1	1.28
View wildlife	64.6	51.1	1.26
Backpacking	13.3	11.1	1.20
Gather mushrooms, berries, etc.	41.5	35.4	1.17
View/photograph wildflowers, trees, etc.	51.7	49.1	1.05
Day hiking	33.8	34.7	0.97
Warmwater fishing	26.1	30.1	0.87
Small game hunting	6.3	10.8	0.58
Big game hunting	4.6	9.0	0.51

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

Activity	Percent participating		
	\$50-74. 999k	Total Market Area	Ratio of strata % to market area %
Big game hunting	20.0	9.0	2.22
Small game hunting	18.1	10.8	1.68
Horseback riding on trails	18.8	12.8	1.47
Backpacking	15.7	11.1	1.41
Day hiking	46.8	34.7	1.35
Drive off-road	26.1	20.1	1.30
Mountain biking	23.4	18.0	1.30
Warmwater fishing	37.9	30.1	1.26
View birds	36.7	30.5	1.20
Swimming in natural water	45.4	41.1	1.10
View wildlife	55.1	51.1	1.08
View/photograph wildflowers, trees, etc.	52.5	49.1	1.07
Visit waterside besides beach	31.7	30.4	1.04
Developed camping	24.2	23.4	1.03
Gather mushrooms, berries, etc.	34.7	35.4	0.98
View or photograph fish	20.0	20.7	0.97
Visit a wilderness or other primitive area	38.6	40.3	0.96
Primitive camping	16.8	19.5	0.86

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

Activity	Percent participating		
	\$75-99. 999k	Total Market Area	Ratio of strata % to market area %
Backpacking	25.6	11.1	2.31
Warmwater fishing	55.6	30.1	1.85
Visit a wilderness or other primitive area	68.4	40.3	1.70
View or photograph fish	34.4	20.7	1.66
Mountain biking	28.4	18.0	1.58
Day hiking	54.0	34.7	1.56
View birds	45.1	30.5	1.48
Primitive camping	27.7	19.5	1.42
View/photograph wildflowers, trees, etc.	67.2	49.1	1.37
Swimming in natural water	54.6	41.1	1.33
Drive off-road	26.7	20.1	1.33
Visit waterside besides beach	40.2	30.4	1.32
View wildlife	66.9	51.1	1.31
Gather mushrooms, berries, etc.	44.1	35.4	1.25
Developed camping	28.4	23.4	1.21
Horseback riding on trails	10.4	12.8	0.81
Big game hunting	4.7	9.0	0.52
Small game hunting	4.7	10.8	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 4e.7--Outdoor recreation participation by demographic strata:
Most popular National Forest-based activities

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

Activity	Percent participating		
	\$100+k	Total Market Area	Ratio of strata % to market area %
Horseback riding on trails	24.3	12.8	1.90
View or photograph fish	28.6	20.7	1.38
View wildlife	67.4	51.1	1.32
Primitive camping	25.1	19.5	1.29
Warmwater fishing	37.9	30.1	1.26
Day hiking	41.4	34.7	1.19
View/photograph wildflowers, trees, etc.	57.7	49.1	1.18
View birds	33.0	30.5	1.08
Visit a wilderness or other primitive area	42.2	40.3	1.05
Visit waterside besides beach	31.3	30.4	1.03
Swimming in natural water	41.9	41.1	1.02
Small game hunting	10.7	10.8	0.99
Backpacking	10.6	11.1	0.95
Drive off-road	17.9	20.1	0.89
Mountain biking	14.9	18.0	0.83
Gather mushrooms, berries, etc.	28.5	35.4	0.81
Big game hunting	6.8	9.0	0.76
Developed camping	12.1	23.4	0.52

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 %
Small game hunting	14.0	10.0	1.40
Big game hunting	11.9	9.1	1.31
Drive off-road	27.1	21.4	1.27
Gather mushrooms, berries, etc.	40.4	35.3	1.14
Warmwater fishing	34.3	30.5	1.12
Primitive camping	18.2	16.8	1.08
View or photograph fish	20.6	19.9	1.04
Horseback riding on trails	9.9	9.7	1.02
Developed camping	22.6	22.9	0.99
Backpacking	9.3	9.6	0.97
Day hiking	30.9	32.2	0.96
View wildlife	45.5	47.8	0.95
View/photograph wildflowers, trees, etc.	42.5	45.0	0.94
Visit a wilderness or other primitive area	33.1	35.5	0.93
Visit waterside besides beach	22.7	25.3	0.90
Swimming in natural water	33.6	38.0	0.88
View birds	28.4	32.2	0.88
Mountain biking	15.4	18.0	0.86

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 %
Mountain biking	20.2	18.0	1.12
Swimming in natural water	41.7	38.0	1.10
View birds	35.3	32.2	1.10
Visit waterside besides beach	27.5	25.3	1.09
View/photograph wildflowers, trees, etc.	47.1	45.0	1.05
Visit a wilderness or other primitive area	37.4	35.5	1.05
View wildlife	49.7	47.8	1.04
Day hiking	33.4	32.2	1.04
Backpacking	9.8	9.6	1.02
Developed camping	23.1	22.9	1.01
Horseback riding on trails	9.5	9.7	0.98
View or photograph fish	19.2	19.9	0.96
Primitive camping	15.6	16.8	0.93
Warmwater fishing	27.4	30.5	0.90
Gather mushrooms, berries, etc.	31.0	35.3	0.88
Drive off-road	16.6	21.4	0.78
Big game hunting	6.8	9.1	0.75
Small game hunting	6.7	10.0	0.67

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

Source: NSRE 2000-2001

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

Table 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	36.55
View wildlife	31.62
Swimming in natural water	27.24
Warmwater fishing	24.71
Drive off-road	18.26
Day hiking	18.24
Developed camping	16.03
Primitive camping	15.77
View or photograph fish	10.87
Small game hunting	8.44
Big game hunting	6.11
Backpacking	5.00

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

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

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

Percent participating	
Activity	Percent participating
View birds	34.80
View wildlife	33.78
Swimming in natural water	32.58
Warmwater fishing	32.29
Drive off-road	20.08
View or photograph fish	18.70
Developed camping	18.34
Day hiking	16.60
Primitive camping	14.91
Big game hunting	8.69
Small game hunting	8.57
Backpacking	5.00

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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Bicycling			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	49.4	45.0	1.10	48.2
Female	50.6	55.0	0.92	51.8
White, non-Hispanic	92.8	92.4	1.00	71.3
Black, non-Hispanic	3.4	4.4	0.77	12.2
Amer. Indian, non-H	0.4	0.4	1.00	0.7
Asian/PI, non-Hispanic	3.4	0.4	8.50	3.8
Hispanic	.	2.4	.	11.9
16-24	29.7	17.5	1.70	16.2
25-34	16.6	14.6	1.14	17.4
35-44	25.3	19.8	1.28	21.0
45-54	14.2	16.4	0.87	17.7
55-64	8.2	14.2	0.58	11.3
65+	6.1	17.5	0.35	16.4
<\$15,000	4.7	9.6	0.49	10.6
\$15,000-\$24,999	8.1	8.7	0.93	12.0
\$25,000-\$49,999	21.5	20.4	1.05	28.3
\$50,000-\$74,999	12.4	9.8	1.27	21.2
\$75,000-\$99,999	6.5	3.6	1.81	12.7
\$100,000+	6.6	5.8	1.14	15.2
Don't know	3.4	4.5	0.76	.
Refused	37.0	37.5	0.99	.
U. S. citizen	99.1	99.5	1.00	90.5
Foreign born	0.9	0.5	1.80	9.5
Non-metro resident	36.7	45.3	0.81	19.8
Metro area resident	63.3	54.7	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

DANIEL BOONE 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	55.9	45.0	1.24	48.2
Female	44.1	55.0	0.80	51.8
White, non-Hispanic	93.7	92.4	1.01	71.3
Black, non-Hispanic	2.6	4.4	0.59	12.2
Amer. Indian, non-H	0.7	0.4	1.75	0.7
Asian/PI, non-Hispanic	3.1	0.4	7.75	3.8
Hispanic	.	2.4	.	11.9
16-24	35.6	17.5	2.03	16.2
25-34	20.6	14.6	1.41	17.4
35-44	24.8	19.8	1.25	21.0
45-54	12.5	16.4	0.76	17.7
55-64	5.3	14.2	0.37	11.3
65+	1.2	17.5	0.07	16.4
<\$15,000	4.5	9.6	0.47	10.6
\$15,000-\$24,999	7.9	8.7	0.91	12.0
\$25,000-\$49,999	22.9	20.4	1.12	28.3
\$50,000-\$74,999	11.0	9.8	1.12	21.2
\$75,000-\$99,999	6.0	3.6	1.67	12.7
\$100,000+	7.2	5.8	1.24	15.2
Don't know	3.2	4.5	0.71	.
Refused	37.4	37.5	1.00	.
U. S. citizen	99.3	99.5	1.00	90.5
Foreign born	0.7	0.5	1.40	9.5
Non-metro resident	39.4	45.3	0.87	19.8
Metro area resident	60.6	54.7	1.11	80.2

Source: NSRE 2000-2001

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Horseback Riding on Trails			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	55.1	45.0	1.22
Female	44.9	55.0	0.82	51.8
White, non-Hispanic	97.5	92.4	1.06	71.3
Black, non-Hispanic	1.0	4.4	0.23	12.2
Amer. Indian, non-H	1.5	0.4	3.75	0.7
Asian/PI, non-Hispanic	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	30.9	17.5	1.77	16.2
25-34	19.5	14.6	1.34	17.4
35-44	18.9	19.8	0.95	21.0
45-54	17.8	16.4	1.09	17.7
55-64	7.9	14.2	0.56	11.3
65+	5.0	17.5	0.29	16.4
<\$15,000	3.0	9.6	0.31	10.6
\$15,000-\$24,999	9.3	8.7	1.07	12.0
\$25,000-\$49,999	17.3	20.4	0.85	28.3
\$50,000-\$74,999	15.6	9.8	1.59	21.2
\$75,000-\$99,999	6.1	3.6	1.69	12.7
\$100,000+	11.1	5.8	1.91	15.2
Don't know	4.3	4.5	0.96	.
Refused	33.3	37.5	0.89	.
U. S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	46.9	45.3	1.04	19.8
Metro area resident	53.1	54.7	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

DANIEL BOONE 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	42.0	45.0	0.93
Female	58.0	55.0	1.05	51.8
White, non-Hispanic	93.9	92.4	1.02	71.3
Black, non-Hispanic	3.2	4.4	0.73	12.2
Amer. Indian, non-H	0.1	0.4	0.25	0.7
Asian/PI, non-Hispanic	0.1	0.4	0.25	3.8
Hispanic	2.6	2.4	1.08	11.9
16-24	16.4	17.5	0.94	16.2
25-34	15.1	14.6	1.03	17.4
35-44	24.0	19.8	1.21	21.0
45-54	18.1	16.4	1.10	17.7
55-64	12.7	14.2	0.89	11.3
65+	13.6	17.5	0.78	16.4
<\$15,000	8.3	9.6	0.86	10.6
\$15,000-\$24,999	9.0	8.7	1.03	12.0
\$25,000-\$49,999	23.2	20.4	1.14	28.3
\$50,000-\$74,999	12.1	9.8	1.23	21.2
\$75,000-\$99,999	4.4	3.6	1.22	12.7
\$100,000+	5.9	5.8	1.02	15.2
Don't know	3.4	4.5	0.76	.
Refused	33.7	37.5	0.90	.
U. S. citizen	99.4	99.5	1.00	90.5
Foreign born	0.6	0.5	1.20	9.5
Non-metro resident	44.0	45.3	0.97	19.8
Metro area resident	56.0	54.7	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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Family Gatherings			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	43.0	45.0	0.96	48.2
Female	57.0	55.0	1.04	51.8
White, non-Hispanic	92.8	92.4	1.00	71.3
Black, non-Hispanic	4.2	4.4	0.95	12.2
Amer. Indian, non-H	0.3	0.4	0.75	0.7
Asian/PI, non-Hispanic	0.1	0.4	0.25	3.8
Hispanic	2.5	2.4	1.04	11.9
16-24	18.1	17.5	1.03	16.2
25-34	15.4	14.6	1.05	17.4
35-44	21.4	19.8	1.08	21.0
45-54	17.1	16.4	1.04	17.7
55-64	13.3	14.2	0.94	11.3
65+	14.7	17.5	0.84	16.4
<\$15,000	9.3	9.6	0.97	10.6
\$15,000-\$24,999	8.7	8.7	1.00	12.0
\$25,000-\$49,999	22.6	20.4	1.11	28.3
\$50,000-\$74,999	9.5	9.8	0.97	21.2
\$75,000-\$99,999	4.3	3.6	1.19	12.7
\$100,000+	5.7	5.8	0.98	15.2
Don't know	3.4	4.5	0.76	.
Refused	36.5	37.5	0.97	.
U. S. citizen	99.5	99.5	1.00	90.5
Foreign born	0.5	0.5	1.00	9.5
Non-metro resident	44.9	45.3	0.99	19.8
Metro area resident	55.1	54.7	1.01	80.2

Source: NSRE 2000-2001

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE 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	45.0	0.96	48.2
Female	56.6	55.0	1.03	51.8
White, non-Hispanic	92.9	92.4	1.01	71.3
Black, non-Hispanic	4.3	4.4	0.98	12.2
Amer. Indian, non-H	0.2	0.4	0.50	0.7
Asian/PI, non-Hispanic	0.2	0.4	0.50	3.8
Hispanic	2.5	2.4	1.04	11.9
16-24	19.1	17.5	1.09	16.2
25-34	18.7	14.6	1.28	17.4
35-44	22.1	19.8	1.12	21.0
45-54	18.2	16.4	1.11	17.7
55-64	12.8	14.2	0.90	11.3
65+	9.1	17.5	0.52	16.4
<\$15,000	6.3	9.6	0.66	10.6
\$15,000-\$24,999	8.5	8.7	0.98	12.0
\$25,000-\$49,999	25.2	20.4	1.24	28.3
\$50,000-\$74,999	13.6	9.8	1.39	21.2
\$75,000-\$99,999	4.4	3.6	1.22	12.7
\$100,000+	7.5	5.8	1.29	15.2
Don't know	4.1	4.5	0.91	.
Refused	30.5	37.5	0.81	.
U. S. citizen	99.0	99.5	0.99	90.5
Foreign born	1.0	0.5	2.00	9.5
Non-metro resident	37.1	45.3	0.82	19.8
Metro area resident	62.9	54.7	1.15	80.2

Source: NSRE 2000-2001

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE 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	52.1	45.0	1.16	48.2
Female	47.9	55.0	0.87	51.8
White, non-Hispanic	92.1	92.4	1.00	71.3
Black, non-Hispanic	4.5	4.4	1.02	12.2
Amer. Indian, non-H	0.3	0.4	0.75	0.7
Asian/PI, non-Hispanic	3.1	0.4	7.75	3.8
Hispanic	.	2.4	.	11.9
16-24	21.2	17.5	1.21	16.2
25-34	21.0	14.6	1.44	17.4
35-44	22.8	19.8	1.15	21.0
45-54	17.7	16.4	1.08	17.7
55-64	10.8	14.2	0.76	11.3
65+	6.6	17.5	0.38	16.4
<\$15,000	3.9	9.6	0.41	10.6
\$15,000-\$24,999	9.1	8.7	1.05	12.0
\$25,000-\$49,999	24.2	20.4	1.19	28.3
\$50,000-\$74,999	14.2	9.8	1.45	21.2
\$75,000-\$99,999	5.5	3.6	1.53	12.7
\$100,000+	10.6	5.8	1.83	15.2
Don't know	2.4	4.5	0.53	.
Refused	30.1	37.5	0.80	.
U.S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	34.4	45.3	0.76	19.8
Metro area resident	65.6	54.7	1.20	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

DANIEL BOONE 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	46.2	45.0	1.03	48.2
Female	53.8	55.0	0.98	51.8
White, non-Hispanic	93.2	92.4	1.01	71.3
Black, non-Hispanic	3.5	4.4	0.80	12.2
Amer. Indian, non-H	0.3	0.4	0.75	0.7
Asian/PI, non-Hisp.	3.0	0.4	7.50	3.8
Hispanic	.	2.4	.	11.9
16-24	19.6	17.5	1.12	16.2
25-34	12.3	14.6	0.84	17.4
35-44	23.1	19.8	1.17	21.0
45-54	20.7	16.4	1.26	17.7
55-64	12.0	14.2	0.85	11.3
65+	12.3	17.5	0.70	16.4
<\$15,000	5.7	9.6	0.59	10.6
\$15,000-\$24,999	8.0	8.7	0.92	12.0
\$25,000-\$49,999	26.0	20.4	1.27	28.3
\$50,000-\$74,999	13.7	9.8	1.40	21.2
\$75,000-\$99,999	4.8	3.6	1.33	12.7
\$100,000+	7.5	5.8	1.29	15.2
Don't know	4.3	4.5	0.96	.
Refused	30.0	37.5	0.80	.
U.S. citizen	99.6	99.5	1.00	90.5
Foreign born	0.4	0.5	0.80	9.5

Non-metro resident	36.0	45.3	0.79	19.8
Metro area resident	64.0	54.7	1.17	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

DANIEL BOONE 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	45.0	0.94
Female	57.8	55.0	1.05	51.8
White, non-Hispanic	91.8	92.4	0.99	71.3
Black, non-Hispanic	5.0	4.4	1.14	12.2
Amer. Indian, non-H	0.4	0.4	1.00	0.7
Asian/PI, non-Hisp.	0.4	0.4	1.00	3.8
Hispanic	2.3	2.4	0.96	11.9
16-24	16.6	17.5	0.95	16.2
25-34	15.9	14.6	1.09	17.4
35-44	20.4	19.8	1.03	21.0
45-54	16.8	16.4	1.02	17.7
55-64	13.7	14.2	0.96	11.3
65+	16.6	17.5	0.95	16.4
<\$15,000	8.3	9.6	0.86	10.6
\$15,000-\$24,999	8.3	8.7	0.95	12.0
\$25,000-\$49,999	21.0	20.4	1.03	28.3
\$50,000-\$74,999	10.6	9.8	1.08	21.2

\$75,000-\$99,999	4.1	3.6	1.14	12.7
\$100,000+	6.3	5.8	1.09	15.2
Don't know	4.5	4.5	1.00	.
Refused	36.9	37.5	0.98	.

U.S. citizen	99.4	99.5	1.00	90.5
Foreign born	0.6	0.5	1.20	9.5

Non-metro resident	43.6	45.3	0.96	19.8
Metro area resident	56.4	54.7	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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Hi king			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	55.8	45.0	1.24
Female	44.2	55.0	0.80	51.8

White, non-Hispanic	93.5	92.4	1.01	71.3
Black, non-Hispanic	2.6	4.4	0.59	12.2
Amer. Indian, non-H	0.6	0.4	1.50	0.7
Asian/PI, non-Hisp.	0.4	0.4	1.00	3.8
Hispanic	2.9	2.4	1.21	11.9

16-24	21.2	17.5	1.21	16.2
25-34	18.9	14.6	1.29	17.4
35-44	24.7	19.8	1.25	21.0

45-54	17.0	16.4	1.04	17.7
55-64	9.7	14.2	0.68	11.3
65+	8.5	17.5	0.49	16.4

<\$15,000	6.2	9.6	0.65	10.6
\$15,000-\$24,999	9.5	8.7	1.09	12.0
\$25,000-\$49,999	25.1	20.4	1.23	28.3
\$50,000-\$74,999	13.5	9.8	1.38	21.2
\$75,000-\$99,999	5.2	3.6	1.44	12.7
\$100,000+	6.8	5.8	1.17	15.2
Don't know	3.8	4.5	0.84	.
Refused	29.9	37.5	0.80	.

U.S. citizen	99.4	99.5	1.00	90.5
Foreign born	0.6	0.5	1.20	9.5

Non-metro resident	43.4	45.3	0.96	19.8
Metro area resident	56.6	54.7	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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Backpacking			Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	66.7	45.0	1.48	48.2
Female	33.3	55.0	0.61	51.8

White, non-Hispanic	95.9	92.4	1.04	71.3

Black, non-Hispanic	2.2	4.4	0.50	12.2
Amer. Indian, non-H	0.4	0.4	1.00	0.7
Asian/PI, non-Hispanic	0.3	0.4	0.75	3.8
Hispanic	1.2	2.4	0.50	11.9

16-24	36.2	17.5	2.07	16.2
25-34	17.6	14.6	1.21	17.4
35-44	25.6	19.8	1.29	21.0
45-54	11.1	16.4	0.68	17.7
55-64	6.1	14.2	0.43	11.3
65+	3.4	17.5	0.19	16.4

<\$15,000	6.0	9.6	0.63	10.6
\$15,000-\$24,999	9.0	8.7	1.03	12.0
\$25,000-\$49,999	22.5	20.4	1.10	28.3
\$50,000-\$74,999	14.9	9.8	1.52	21.2
\$75,000-\$99,999	6.2	3.6	1.72	12.7
\$100,000+	7.5	5.8	1.29	15.2
Don't know	5.7	4.5	1.27	.
Refused	28.1	37.5	0.75	.

U.S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5

Non-metro resident	44.1	45.3	0.97	19.8
Metro area resident	55.9	54.7	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

DANIEL BOONE NATIONAL FOREST

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

Developed Camping

% of % of all

Demographic group	participants in MARKET AREA	respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	47.9	45.0	1.06	48.2
Female	52.1	55.0	0.95	51.8
White, non-Hispanic	97.5	92.4	1.06	71.3
Black, non-Hispanic	1.2	4.4	0.27	12.2
Amer. Indian, non-H	0.2	0.4	0.50	0.7
Asian/PI, non-Hisp.	0.4	0.4	1.00	3.8
Hispanic	0.8	2.4	0.33	11.9
16-24	24.8	17.5	1.42	16.2
25-34	17.9	14.6	1.23	17.4
35-44	24.7	19.8	1.25	21.0
45-54	15.0	16.4	0.91	17.7
55-64	8.3	14.2	0.58	11.3
65+	9.3	17.5	0.53	16.4
<\$15,000	6.2	9.6	0.65	10.6
\$15,000-\$24,999	9.5	8.7	1.09	12.0
\$25,000-\$49,999	27.9	20.4	1.37	28.3
\$50,000-\$74,999	11.0	9.8	1.12	21.2
\$75,000-\$99,999	3.8	3.6	1.06	12.7
\$100,000+	4.8	5.8	0.83	15.2
Don't know	1.4	4.5	0.31	.
Refused	35.4	37.5	0.94	.
U. S. citizen	99.5	99.5	1.00	90.5
Foreign born	0.5	0.5	1.00	9.5
Non-metro resident	44.9	45.3	0.99	19.8
Metro area resident	55.1	54.7	1.01	80.2

Source: NSRE 2000-2001

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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Primitive Camping			Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
	Male	63.2	45.0	
Female	36.8	55.0	0.67	51.8
White, non-Hispanic	98.2	92.4	1.06	71.3
Black, non-Hispanic	1.8	4.4	0.41	12.2
Amer. Indian, non-H	.	0.4	.	0.7
Asian/PI, non-Hisp.	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	39.9	17.5	2.28	16.2
25-34	18.6	14.6	1.27	17.4
35-44	18.5	19.8	0.93	21.0
45-54	13.3	16.4	0.81	17.7
55-64	6.6	14.2	0.46	11.3
65+	3.1	17.5	0.18	16.4
<\$15,000	6.5	9.6	0.68	10.6
\$15,000-\$24,999	11.7	8.7	1.34	12.0
\$25,000-\$49,999	22.9	20.4	1.12	28.3
\$50,000-\$74,999	7.9	9.8	0.81	21.2
\$75,000-\$99,999	5.9	3.6	1.64	12.7
\$100,000+	7.7	5.8	1.33	15.2
Don't know	3.2	4.5	0.71	.
Refused	34.2	37.5	0.91	.
U. S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	49.1	45.3	1.08	19.8
Metro area resident	50.9	54.7	0.93	80.2

Source: NSRE 2000-2001

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

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE 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	56.2	45.0	1.25	48.2
Female	43.8	55.0	0.80	51.8
White, non-Hispanic	93.7	92.4	1.01	71.3
Black, non-Hispanic	4.1	4.4	0.93	12.2
Amer. Indian, non-H	0.4	0.4	1.00	0.7
Asian/PI, non-Hispanic	1.8	0.4	4.50	3.8
Hispanic	.	2.4	.	11.9
16-24	25.1	17.5	1.43	16.2
25-34	18.7	14.6	1.28	17.4
35-44	22.0	19.8	1.11	21.0
45-54	16.2	16.4	0.99	17.7
55-64	11.1	14.2	0.78	11.3
65+	6.9	17.5	0.39	16.4
<\$15,000	8.2	9.6	0.85	10.6
\$15,000-\$24,999	9.0	8.7	1.03	12.0
\$25,000-\$49,999	24.5	20.4	1.20	28.3
\$50,000-\$74,999	10.5	9.8	1.07	21.2
\$75,000-\$99,999	5.7	3.6	1.58	12.7
\$100,000+	5.9	5.8	1.02	15.2
Don't know	3.0	4.5	0.67	.
Refused	33.2	37.5	0.89	.
U. S. citizen	99.4	99.5	1.00	90.5
Foreign born	0.6	0.5	1.20	9.5
Non-metro resident	42.3	45.3	0.93	19.8
Metro area resident	57.7	54.7	1.05	80.2

Source: NSRE 2000-2001

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE 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	50.0	45.0	1.11	48.2
Female	50.0	55.0	0.91	51.8
White, non-Hispanic	95.6	92.4	1.03	71.3
Black, non-Hispanic	1.6	4.4	0.36	12.2
Amer. Indian, non-H	0.6	0.4	1.50	0.7
Asian/PI, non-Hisp.	2.1	0.4	5.25	3.8
Hispanic	.	2.4	.	11.9
16-24	23.6	17.5	1.35	16.2
25-34	16.4	14.6	1.12	17.4
35-44	20.9	19.8	1.06	21.0
45-54	14.4	16.4	0.88	17.7
55-64	9.9	14.2	0.70	11.3
65+	14.9	17.5	0.85	16.4
<\$15,000	8.7	9.6	0.91	10.6
\$15,000-\$24,999	9.7	8.7	1.11	12.0
\$25,000-\$49,999	21.3	20.4	1.04	28.3
\$50,000-\$74,999	10.0	9.8	1.02	21.2
\$75,000-\$99,999	4.6	3.6	1.28	12.7
\$100,000+	4.8	5.8	0.83	15.2
Don't know	3.5	4.5	0.78	.
Refused	37.5	37.5	1.00	.
U.S. citizen	99.6	99.5	1.00	90.5
Foreign born	0.4	0.5	0.80	9.5
Non-metro resident	52.0	45.3	1.15	19.8
Metro area resident	48.0	54.7	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.

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DANIEL BOONE 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	88.3	45.0	1.96	48.2
Female	11.7	55.0	0.21	51.8
White, non-Hispanic	95.8	92.4	1.04	71.3
Black, non-Hispanic	2.9	4.4	0.66	12.2
Amer. Indian, non-H	1.3	0.4	3.25	0.7
Asian/PI, non-Hisp.	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	22.5	17.5	1.29	16.2
25-34	25.0	14.6	1.71	17.4
35-44	22.2	19.8	1.12	21.0
45-54	11.2	16.4	0.68	17.7
55-64	9.1	14.2	0.64	11.3
65+	10.0	17.5	0.57	16.4
<\$15,000	5.2	9.6	0.54	10.6
\$15,000-\$24,999	11.2	8.7	1.29	12.0
\$25,000-\$49,999	24.2	20.4	1.19	28.3
\$50,000-\$74,999	12.2	9.8	1.24	21.2
\$75,000-\$99,999	1.0	3.6	0.28	12.7
\$100,000+	4.1	5.8	0.71	15.2
Don't know	6.3	4.5	1.40	.

Refused	35.6	37.5	0.95	.
U.S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	59.6	45.3	1.32	19.8
Metro area resident	40.4	54.7	0.74	80.2

Source: NSRE 2000-2001

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

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DANIEL BOONE 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	94.1	45.0	2.09
Female	5.9	55.0	0.11	51.8
White, non-Hispanic	96.2	92.4	1.04	71.3
Black, non-Hispanic	2.6	4.4	0.59	12.2
Amer. Indian, non-H	1.2	0.4	3.00	0.7
Asian/PI, non-Hispanic	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	20.8	17.5	1.19	16.2
25-34	18.4	14.6	1.26	17.4
35-44	21.7	19.8	1.10	21.0
45-54	18.1	16.4	1.10	17.7
55-64	10.7	14.2	0.75	11.3
65+	10.3	17.5	0.59	16.4

<\$15,000	5.4	9.6	0.56	10.6
\$15,000-\$24,999	7.4	8.7	0.85	12.0
\$25,000-\$49,999	25.4	20.4	1.25	28.3
\$50,000-\$74,999	15.9	9.8	1.62	21.2
\$75,000-\$99,999	1.8	3.6	0.50	12.7
\$100,000+	5.0	5.8	0.86	15.2
Don't know	5.4	4.5	1.20	.
Refused	33.7	37.5	0.90	.

U.S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5

Non-metro resident	64.0	45.3	1.41	19.8
Metro area resident	36.0	54.7	0.66	80.2

Source: NSRE 2000-2001

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

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

Demographic group	Migratory Bird Hunting			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	100.0	45.0	2.22
Female	.	55.0	.	51.8

White, non-Hispanic	100.0	92.4	1.08	71.3
Black, non-Hispanic	.	4.4	.	12.2
Amer. Indian, non-H	.	0.4	.	0.7
Asian/PI, non-Hisp.	.	0.4	.	3.8

Hispanic	.	2.4	.	11.9
16-24	48.8	17.5	2.79	16.2
25-34	16.9	14.6	1.16	17.4
35-44	29.1	19.8	1.47	21.0
45-54	5.2	16.4	0.32	17.7
55-64	.	14.2	.	11.3
65+	.	17.5	.	16.4
<\$15,000	16.2	9.6	1.69	10.6
\$15,000-\$24,999	10.9	8.7	1.25	12.0
\$25,000-\$49,999	3.4	20.4	0.17	28.3
\$50,000-\$74,999	9.5	9.8	0.97	21.2
\$75,000-\$99,999	60.1	3.6	16.69	12.7
\$100,000+	.	5.8	.	15.2
Don't know	.	4.5	.	.
Refused	.	37.5	.	.
U.S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	61.0	45.3	1.35	19.8
Metro area resident	39.0	54.7	0.71	80.2

Source: NSRE 2000-2001

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

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

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

Male	43.0	45.0	0.96	48.2
Female	57.0	55.0	1.04	51.8

White, non-Hispanic	92.0	92.4	1.00	71.3
Black, non-Hispanic	5.9	4.4	1.34	12.2
Amer. Indian, non-H	0.3	0.4	0.75	0.7
Asian/PI, non-Hispanic	1.7	0.4	4.25	3.8
Hispanic	.	2.4	.	11.9

16-24	15.9	17.5	0.91	16.2
25-34	15.0	14.6	1.03	17.4
35-44	23.8	19.8	1.20	21.0
45-54	16.8	16.4	1.02	17.7
55-64	12.7	14.2	0.89	11.3
65+	15.8	17.5	0.90	16.4

<\$15,000	6.2	9.6	0.65	10.6
\$15,000-\$24,999	9.6	8.7	1.10	12.0
\$25,000-\$49,999	22.9	20.4	1.12	28.3
\$50,000-\$74,999	12.3	9.8	1.26	21.2
\$75,000-\$99,999	3.7	3.6	1.03	12.7
\$100,000+	6.4	5.8	1.10	15.2
Don't know	4.1	4.5	0.91	.
Refused	34.9	37.5	0.93	.

U.S. citizen	99.9	99.5	1.00	90.5
Foreign born	0.1	0.5	0.20	9.5

Non-metro resident	44.0	45.3	0.97	19.8
Metro area resident	56.0	54.7	1.02	80.2

Source: NSRE 2000-2001

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

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

Driving For Pleasure

Demographic group	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	43.6	45.0	0.97
Female	56.4	55.0	1.03	51.8
White, non-Hispanic	91.9	92.4	0.99	71.3
Black, non-Hispanic	5.8	4.4	1.32	12.2
Amer. Indian, non-H	0.4	0.4	1.00	0.7
Asian/PI, non-Hispanic	1.8	0.4	4.50	3.8
Hispanic	.	2.4	.	11.9
16-24	17.7	17.5	1.01	16.2
25-34	17.3	14.6	1.18	17.4
35-44	22.1	19.8	1.12	21.0
45-54	16.4	16.4	1.00	17.7
55-64	12.6	14.2	0.89	11.3
65+	14.0	17.5	0.80	16.4
<\$15,000	5.6	9.6	0.58	10.6
\$15,000-\$24,999	9.3	8.7	1.07	12.0
\$25,000-\$49,999	23.9	20.4	1.17	28.3
\$50,000-\$74,999	12.5	9.8	1.28	21.2
\$75,000-\$99,999	3.6	3.6	1.00	12.7
\$100,000+	5.7	5.8	0.98	15.2
Don't know	3.3	4.5	0.73	.
Refused	36.1	37.5	0.96	.
U. S. citizen	99.9	99.5	1.00	90.5
Foreign born	0.1	0.5	0.20	9.5
Non-metro resident	43.9	45.3	0.97	19.8
Metro area resident	56.1	54.7	1.03	80.2

Source: NSRE 2000-2001

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

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

Demographic group	Driving Off-road			Percent of U. S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
Male	58.8	45.0	1.31	48.2
Female	41.2	55.0	0.75	51.8
White, non-Hispanic	93.5	92.4	1.01	71.3
Black, non-Hispanic	3.6	4.4	0.82	12.2
Amer. Indian, non-H	1.1	0.4	2.75	0.7
Asian/PI, non-Hispanic	1.8	0.4	4.50	3.8
Hispanic	.	2.4	.	11.9
16-24	30.1	17.5	1.72	16.2
25-34	20.9	14.6	1.43	17.4
35-44	22.4	19.8	1.13	21.0
45-54	13.0	16.4	0.79	17.7
55-64	8.7	14.2	0.61	11.3
65+	4.9	17.5	0.28	16.4
<\$15,000	4.4	9.6	0.46	10.6
\$15,000-\$24,999	7.1	8.7	0.82	12.0
\$25,000-\$49,999	25.4	20.4	1.25	28.3
\$50,000-\$74,999	10.2	9.8	1.04	21.2
\$75,000-\$99,999	5.1	3.6	1.42	12.7
\$100,000+	5.4	5.8	0.93	15.2
Don't know	3.8	4.5	0.84	.
Refused	38.7	37.5	1.03	.
U. S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	58.0	45.3	1.28	19.8
Metro area resident	42.0	54.7	0.77	80.2

Source: NSRE 2000-2001

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

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

Demographic group	Coldwater Fishing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	69.3	45.0	1.54	48.2
Female	30.7	55.0	0.56	51.8
White, non-Hispanic	97.9	92.4	1.06	71.3
Black, non-Hispanic	1.5	4.4	0.34	12.2
Amer. Indian, non-H	0.1	0.4	0.25	0.7
Asian/PI, non-Hispanic	0.5	0.4	1.25	3.8
Hispanic	.	2.4	.	11.9
16-24	25.3	17.5	1.45	16.2
25-34	15.3	14.6	1.05	17.4
35-44	19.0	19.8	0.96	21.0
45-54	15.0	16.4	0.91	17.7
55-64	16.0	14.2	1.13	11.3
65+	9.4	17.5	0.54	16.4
<\$15,000	7.1	9.6	0.74	10.6
\$15,000-\$24,999	12.1	8.7	1.39	12.0
\$25,000-\$49,999	17.1	20.4	0.84	28.3
\$50,000-\$74,999	9.3	9.8	0.95	21.2
\$75,000-\$99,999	4.2	3.6	1.17	12.7
\$100,000+	5.7	5.8	0.98	15.2
Don't know	6.0	4.5	1.33	.
Refused	38.5	37.5	1.03	.
U.S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	52.4	45.3	1.16	19.8
Metro area resident	47.6	54.7	0.87	80.2

Source: NSRE 2000-2001

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

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Table 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	63.5	45.0	1.41	48.2
Female	36.5	55.0	0.66	51.8
White, non-Hispanic	96.9	92.4	1.05	71.3
Black, non-Hispanic	0.8	4.4	0.18	12.2
Amer. Indian, non-H	0.3	0.4	0.75	0.7
Asian/PI, non-Hisp.	2.1	0.4	5.25	3.8
Hispanic	.	2.4	.	11.9
16-24	25.8	17.5	1.47	16.2
25-34	17.4	14.6	1.19	17.4
35-44	19.5	19.8	0.98	21.0
45-54	18.1	16.4	1.10	17.7
55-64	12.1	14.2	0.85	11.3
65+	7.0	17.5	0.40	16.4
<\$15,000	5.5	9.6	0.57	10.6
\$15,000-\$24,999	10.0	8.7	1.15	12.0
\$25,000-\$49,999	19.8	20.4	0.97	28.3
\$50,000-\$74,999	11.7	9.8	1.19	21.2
\$75,000-\$99,999	5.3	3.6	1.47	12.7
\$100,000+	6.7	5.8	1.16	15.2
Don't know	4.3	4.5	0.96	.
Refused	36.8	37.5	0.98	.
U.S. citizen	99.3	99.5	1.00	90.5
Foreign born	0.7	0.5	1.40	9.5

Non-metro resident	51.4	45.3	1.13	19.8
Metro area resident	48.6	54.7	0.89	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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Saltwater Fishing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
	Male	72.0	45.0	1.60
Female	28.0	55.0	0.51	51.8
White, non-Hispanic	97.6	92.4	1.06	71.3
Black, non-Hispanic	0.9	4.4	0.20	12.2
Amer. Indian, non-H	1.5	0.4	3.75	0.7
Asian/PI, non-Hispanic	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	25.3	17.5	1.45	16.2
25-34	16.8	14.6	1.15	17.4
35-44	21.7	19.8	1.10	21.0
45-54	17.6	16.4	1.07	17.7
55-64	10.1	14.2	0.71	11.3
65+	8.4	17.5	0.48	16.4
<\$15,000	10.9	9.6	1.14	10.6
\$15,000-\$24,999	2.7	8.7	0.31	12.0
\$25,000-\$49,999	15.2	20.4	0.75	28.3
\$50,000-\$74,999	17.6	9.8	1.80	21.2

\$75, 000- \$99, 999	10. 1	3. 6	2. 81	12. 7
\$100, 000+	14. 2	5. 8	2. 45	15. 2
Don' t know	2. 3	4. 5	0. 51	.
Refused	27. 0	37. 5	0. 72	.

U. S. citizen	100. 0	99. 5	1. 01	90. 5
Foreign born	.	0. 5	.	9. 5

Non-metro resident	38. 6	45. 3	0. 85	19. 8
Metro area resident	61. 4	54. 7	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.

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DANIEL BOONE NATIONAL FOREST

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

Demographic group	Canoeing			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	67. 3	45. 0	1. 50
Female	32. 7	55. 0	0. 59	51. 8

White, non-Hispanic	97. 7	92. 4	1. 06	71. 3
Black, non-Hispanic	0. 1	4. 4	0. 02	12. 2
Amer. Indian, non-H	2. 2	0. 4	5. 50	0. 7
Asian/PI, non-Hisp.	.	0. 4	.	3. 8
Hispanic	.	2. 4	.	11. 9

16-24	38. 8	17. 5	2. 22	16. 2
25-34	18. 0	14. 6	1. 23	17. 4
35-44	20. 2	19. 8	1. 02	21. 0

45-54	13.7	16.4	0.84	17.7
55-64	4.7	14.2	0.33	11.3
65+	4.6	17.5	0.26	16.4

<\$15,000	3.6	9.6	0.38	10.6
\$15,000-\$24,999	5.8	8.7	0.67	12.0
\$25,000-\$49,999	31.6	20.4	1.55	28.3
\$50,000-\$74,999	13.3	9.8	1.36	21.2
\$75,000-\$99,999	7.6	3.6	2.11	12.7
\$100,000+	11.2	5.8	1.93	15.2
Don't know	26.9	4.5	5.98	.
Refused	.	37.5	.	.

U.S. citizen	97.8	99.5	0.98	90.5
Foreign born	2.2	0.5	4.40	9.5

Non-metro resident	20.7	45.3	0.46	19.8
Metro area resident	79.3	54.7	1.45	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

DANIEL BOONE 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	79.9	45.0	1.78	48.2
Female	20.1	55.0	0.37	51.8

White, non-Hispanic	100.0	92.4	1.08	71.3

Black, non-Hispanic	.	4.4	.	12.2
Amer. Indian, non-H	.	0.4	.	0.7
Asian/PI, non-Hispanic	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9

16-24	56.6	17.5	3.23	16.2
25-34	11.3	14.6	0.77	17.4
35-44	21.0	19.8	1.06	21.0
45-54	11.0	16.4	0.67	17.7
55-64	.	14.2	.	11.3
65+	.	17.5	.	16.4

<\$15,000	19.0	9.6	1.98	10.6
\$15,000-\$24,999	16.3	8.7	1.87	12.0
\$25,000-\$49,999	22.9	20.4	1.12	28.3
\$50,000-\$74,999	29.2	9.8	2.98	21.2
\$75,000-\$99,999	12.6	3.6	3.50	12.7
\$100,000+	.	5.8	.	15.2
Don't know	.	4.5	.	.
Refused	.	37.5	.	.

U.S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5

Non-metro resident	35.2	45.3	0.78	19.8
Metro area resident	64.8	54.7	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

DANIEL BOONE NATIONAL FOREST

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

Motorboating

% of % of all

Demographic group	participants in MARKET AREA	respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
Male	56.3	45.0	1.25	48.2
Female	43.7	55.0	0.79	51.8
White, non-Hispanic	97.6	92.4	1.06	71.3
Black, non-Hispanic	0.2	4.4	0.05	12.2
Amer. Indian, non-H	2.3	0.4	5.75	0.7
Asian/PI, non-Hisp.	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	25.4	17.5	1.45	16.2
25-34	17.3	14.6	1.18	17.4
35-44	20.8	19.8	1.05	21.0
45-54	17.8	16.4	1.09	17.7
55-64	9.4	14.2	0.66	11.3
65+	9.4	17.5	0.54	16.4
<\$15,000	4.8	9.6	0.50	10.6
\$15,000-\$24,999	9.6	8.7	1.10	12.0
\$25,000-\$49,999	22.9	20.4	1.12	28.3
\$50,000-\$74,999	12.1	9.8	1.23	21.2
\$75,000-\$99,999	3.7	3.6	1.03	12.7
\$100,000+	8.4	5.8	1.45	15.2
Don't know	0.9	4.5	0.20	.
Refused	37.7	37.5	1.01	.
U. S. citizen	99.4	99.5	1.00	90.5
Foreign born	0.6	0.5	1.20	9.5
Non-metro resident	41.6	45.3	0.92	19.8
Metro area resident	58.4	54.7	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.

DANIEL BOONE 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	60.7	45.0	1.35
Female	39.3	55.0	0.71	51.8
White, non-Hispanic	98.1	92.4	1.06	71.3
Black, non-Hispanic	1.9	4.4	0.43	12.2
Amer. Indian, non-H	.	0.4	.	0.7
Asian/PI, non-Hisp.	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	42.4	17.5	2.42	16.2
25-34	26.6	14.6	1.82	17.4
35-44	20.3	19.8	1.03	21.0
45-54	10.7	16.4	0.65	17.7
55-64	.	14.2	.	11.3
65+	.	17.5	.	16.4
<\$15,000	8.1	9.6	0.84	10.6
\$15,000-\$24,999	22.5	8.7	2.59	12.0
\$25,000-\$49,999	17.3	20.4	0.85	28.3
\$50,000-\$74,999	4.2	9.8	0.43	21.2
\$75,000-\$99,999	13.4	3.6	3.72	12.7
\$100,000+	2.2	5.8	0.38	15.2
Don't know	32.3	4.5	7.18	.
Refused	.	37.5	.	.
U. S. citizen	100.0	99.5	1.01	90.5
Foreign born	.	0.5	.	9.5
Non-metro resident	43.4	45.3	0.96	19.8
Metro area resident	56.6	54.7	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

DANIEL BOONE 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	49.0	45.0	1.09
Female	51.0	55.0	0.93	51.8
White, non-Hispanic	100.0	92.4	1.08	71.3
Black, non-Hispanic	.	4.4	.	12.2
Amer. Indian, non-H	.	0.4	.	0.7
Asian/PI, non-Hispanic	.	0.4	.	3.8
Hispanic	.	2.4	.	11.9
16-24	42.8	17.5	2.45	16.2
25-34	14.9	14.6	1.02	17.4
35-44	19.6	19.8	0.99	21.0
45-54	15.3	16.4	0.93	17.7
55-64	4.8	14.2	0.34	11.3
65+	2.6	17.5	0.15	16.4
<\$15,000	1.3	9.6	0.14	10.6
\$15,000-\$24,999	8.5	8.7	0.98	12.0
\$25,000-\$49,999	18.7	20.4	0.92	28.3
\$50,000-\$74,999	15.8	9.8	1.61	21.2
\$75,000-\$99,999	3.0	3.6	0.83	12.7
\$100,000+	15.8	5.8	2.72	15.2
Don't know	1.2	4.5	0.27	.
Refused	35.7	37.5	0.95	.
U.S. citizen	99.2	99.5	1.00	90.5
Foreign born	0.8	0.5	1.60	9.5
Non-metro resident	39.2	45.3	0.87	19.8
Metro area resident	60.8	54.7	1.11	80.2

Source: NSRE 2000-2001

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE 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	51.0	45.0	1.13	48.2
Female	49.0	55.0	0.89	51.8
White, non-Hispanic	97.5	92.4	1.06	71.3
Black, non-Hispanic	0.7	4.4	0.16	12.2
Amer. Indian, non-H	0.4	0.4	1.00	0.7
Asian/PI, non-Hisp.	1.4	0.4	3.50	3.8
Hispanic	.	2.4	.	11.9
16-24	28.7	17.5	1.64	16.2
25-34	16.9	14.6	1.16	17.4
35-44	23.5	19.8	1.19	21.0
45-54	16.4	16.4	1.00	17.7
55-64	8.4	14.2	0.59	11.3
65+	6.2	17.5	0.35	16.4
<\$15,000	5.7	9.6	0.59	10.6
\$15,000-\$24,999	8.6	8.7	0.99	12.0
\$25,000-\$49,999	22.9	20.4	1.12	28.3
\$50,000-\$74,999	11.7	9.8	1.19	21.2
\$75,000-\$99,999	5.8	3.6	1.61	12.7
\$100,000+	7.8	5.8	1.34	15.2
Don't know	2.1	4.5	0.47	.
Refused	35.4	37.5	0.94	.
U.S. citizen	99.5	99.5	1.00	90.5
Foreign born	0.5	0.5	1.00	9.5
Non-metro resident	40.2	45.3	0.89	19.8
Metro area resident	59.8	54.7	1.09	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

DANIEL BOONE 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	45.4	45.0	1.01
Female	54.6	55.0	0.99	51.8
White, non-Hispanic	96.9	92.4	1.05	71.3
Black, non-Hispanic	1.6	4.4	0.36	12.2
Amer. Indian, non-H	0.3	0.4	0.75	0.7
Asian/PI, non-Hisp.	0.3	0.4	0.75	3.8
Hispanic	1.0	2.4	0.42	11.9
16-24	22.4	17.5	1.28	16.2
25-34	16.0	14.6	1.10	17.4
35-44	21.6	19.8	1.09	21.0
45-54	19.3	16.4	1.18	17.7
55-64	11.7	14.2	0.82	11.3
65+	9.0	17.5	0.51	16.4
<\$15,000	4.1	9.6	0.43	10.6
\$15,000-\$24,999	8.2	8.7	0.94	12.0
\$25,000-\$49,999	23.8	20.4	1.17	28.3
\$50,000-\$74,999	13.5	9.8	1.38	21.2
\$75,000-\$99,999	5.1	3.6	1.42	12.7
\$100,000+	8.1	5.8	1.40	15.2
Don't know	2.3	4.5	0.51	.

Refused	35.0	37.5	0.93	.
U.S. citizen	99.4	99.5	1.00	90.5
Foreign born	0.6	0.5	1.20	9.5
Non-metro resident	35.0	45.3	0.77	19.8
Metro area resident	65.0	54.7	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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	Visit Waterside Besides a Beach			
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U.S. population
Male	51.3	45.0	1.14	48.2
Female	48.7	55.0	0.89	51.8
White, non-Hispanic	96.0	92.4	1.04	71.3
Black, non-Hispanic	1.4	4.4	0.32	12.2
Amer. Indian, non-H	0.1	0.4	0.25	0.7
Asian/PI, non-Hisp.	0.3	0.4	0.75	3.8
Hispanic	2.3	2.4	0.96	11.9
16-24	27.4	17.5	1.57	16.2
25-34	19.0	14.6	1.30	17.4
35-44	22.2	19.8	1.12	21.0
45-54	15.9	16.4	0.97	17.7
55-64	9.1	14.2	0.64	11.3
65+	6.4	17.5	0.37	16.4

<\$15,000	5.4	9.6	0.56	10.6
\$15,000-\$24,999	7.1	8.7	0.82	12.0
\$25,000-\$49,999	25.3	20.4	1.24	28.3
\$50,000-\$74,999	11.3	9.8	1.15	21.2
\$75,000-\$99,999	4.8	3.6	1.33	12.7
\$100,000+	8.3	5.8	1.43	15.2
Don't know	1.3	4.5	0.29	.
Refused	36.6	37.5	0.98	.

U.S. citizen	99.2	99.5	1.00	90.5
Foreign born	0.8	0.5	1.60	9.5

Non-metro resident	40.5	45.3	0.89	19.8
Metro area resident	59.5	54.7	1.09	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

DANIEL BOONE NATIONAL FOREST

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

Demographic group	View/photograph Birds			Percent of U.S. population
	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	
	Male	43.1	45.0	
Female	56.9	55.0	1.03	51.8

White, non-Hispanic	93.3	92.4	1.01	71.3
Black, non-Hispanic	2.2	4.4	0.50	12.2
Amer. Indian, non-H	0.1	0.4	0.25	0.7
Asian/PI, non-Hispanic	0.8	0.4	2.00	3.8

Hispanic	3.5	2.4	1.46	11.9
16-24	11.5	17.5	0.66	16.2
25-34	13.7	14.6	0.94	17.4
35-44	19.7	19.8	0.99	21.0
45-54	17.9	16.4	1.09	17.7
55-64	14.8	14.2	1.04	11.3
65+	22.5	17.5	1.29	16.4
<\$15,000	6.1	9.6	0.64	10.6
\$15,000-\$24,999	7.6	8.7	0.87	12.0
\$25,000-\$49,999	22.9	20.4	1.12	28.3
\$50,000-\$74,999	11.5	9.8	1.17	21.2
\$75,000-\$99,999	4.5	3.6	1.25	12.7
\$100,000+	6.7	5.8	1.16	15.2
Don't know	2.6	4.5	0.58	.
Refused	38.1	37.5	1.02	.
U.S. citizen	99.0	99.5	0.99	90.5
Foreign born	1.0	0.5	2.00	9.5
Non-metro resident	39.8	45.3	0.88	19.8
Metro area resident	60.2	54.7	1.10	80.2

Source: NSRE 2000-2001

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE 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	52.9	45.0	1.18	48.2
Female	47.1	55.0	0.86	51.8

White, non-Hispanic	96.2	92.4	1.04	71.3
Black, non-Hispanic	0.6	4.4	0.14	12.2
Amer. Indian, non-H	0.7	0.4	1.75	0.7
Asian/PI, non-Hispanic	2.5	0.4	6.25	3.8
Hispanic	.	2.4	.	11.9

16-24	16.7	17.5	0.95	16.2
25-34	19.0	14.6	1.30	17.4
35-44	19.8	19.8	1.00	21.0
45-54	15.5	16.4	0.95	17.7
55-64	17.0	14.2	1.20	11.3
65+	11.9	17.5	0.68	16.4

<\$15,000	6.5	9.6	0.68	10.6
\$15,000-\$24,999	7.9	8.7	0.91	12.0
\$25,000-\$49,999	23.3	20.4	1.14	28.3
\$50,000-\$74,999	10.3	9.8	1.05	21.2
\$75,000-\$99,999	6.1	3.6	1.69	12.7
\$100,000+	6.5	5.8	1.12	15.2
Don't know	2.0	4.5	0.44	.
Refused	37.4	37.5	1.00	.

U.S. citizen	99.2	99.5	1.00	90.5
Foreign born	0.8	0.5	1.60	9.5

Non-metro resident	46.5	45.3	1.03	19.8
Metro area resident	53.5	54.7	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

DANIEL BOONE NATIONAL FOREST

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

View/photograph Other Wildlife

Demographic group	% of participants in MARKET AREA	% of all respondents in MARKET AREA	Ratio (1)/(2)	Percent of U. S. population
	Male	44.6	45.0	0.99
Female	55.4	55.0	1.01	51.8
White, non-Hispanic	96.7	92.4	1.05	71.3
Black, non-Hispanic	0.8	4.4	0.18	12.2
Amer. Indian, non-H	0.4	0.4	1.00	0.7
Asian/PI, non-Hisp.	0.2	0.4	0.50	3.8
Hispanic	2.0	2.4	0.83	11.9
16-24	15.9	17.5	0.91	16.2
25-34	14.7	14.6	1.01	17.4
35-44	22.3	19.8	1.13	21.0
45-54	18.1	16.4	1.10	17.7
55-64	13.9	14.2	0.98	11.3
65+	15.0	17.5	0.86	16.4
<\$15,000	7.7	9.6	0.80	10.6
\$15,000-\$24,999	8.8	8.7	1.01	12.0
\$25,000-\$49,999	23.1	20.4	1.13	28.3
\$50,000-\$74,999	11.4	9.8	1.16	21.2
\$75,000-\$99,999	4.5	3.6	1.25	12.7
\$100,000+	7.6	5.8	1.31	15.2
Don't know	1.5	4.5	0.33	.
Refused	35.4	37.5	0.94	.
U. S. citizen	99.6	99.5	1.00	90.5
Foreign born	0.4	0.5	0.80	9.5
Non-metro resident	42.0	45.3	0.93	19.8
Metro area resident	58.0	54.7	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

DANIEL BOONE 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	39.8	45.0	0.88
Female	60.2	55.0	1.09	51.8
White, non-Hispanic	95.3	92.4	1.03	71.3
Black, non-Hispanic	1.5	4.4	0.34	12.2
Amer. Indian, non-H	0.2	0.4	0.50	0.7
Asian/PI, non-Hispanic	0.8	0.4	2.00	3.8
Hispanic	2.2	2.4	0.92	11.9
16-24	12.0	17.5	0.69	16.2
25-34	13.9	14.6	0.95	17.4
35-44	20.7	19.8	1.05	21.0
45-54	20.3	16.4	1.24	17.7
55-64	14.7	14.2	1.04	11.3
65+	18.4	17.5	1.05	16.4
<\$15,000	8.7	9.6	0.91	10.6
\$15,000-\$24,999	9.6	8.7	1.10	12.0
\$25,000-\$49,999	22.7	20.4	1.11	28.3
\$50,000-\$74,999	11.4	9.8	1.16	21.2
\$75,000-\$99,999	5.3	3.6	1.47	12.7
\$100,000+	6.4	5.8	1.10	15.2
Don't know	2.7	4.5	0.60	.
Refused	33.3	37.5	0.89	.
U. S. citizen	99.6	99.5	1.00	90.5
Foreign born	0.4	0.5	0.80	9.5
Non-metro resident	42.7	45.3	0.94	19.8
Metro area resident	57.3	54.7	1.05	80.2

Source: NSRE 2000-2001

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

III: RECREATION DEMAND IN THE NATIONAL FOREST MARKET AREA

DANIEL BOONE NATIONAL FOREST

Table 41--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	44.3	45.0	0.98	48.2
Female	55.7	55.0	1.01	51.8
White, non-Hispanic	95.1	92.4	1.03	71.3
Black, non-Hispanic	2.5	4.4	0.57	12.2
Amer. Indian, non-H	0.3	0.4	0.75	0.7
Asian/PI, non-Hisp.	0.2	0.4	0.50	3.8
Hispanic	1.9	2.4	0.79	11.9
16-24	14.8	17.5	0.85	16.2
25-34	16.1	14.6	1.10	17.4
35-44	22.1	19.8	1.12	21.0
45-54	18.5	16.4	1.13	17.7
55-64	14.9	14.2	1.05	11.3
65+	13.5	17.5	0.77	16.4
<\$15,000	6.7	9.6	0.70	10.6
\$15,000-\$24,999	8.4	8.7	0.97	12.0
\$25,000-\$49,999	25.1	20.4	1.23	28.3
\$50,000-\$74,999	12.3	9.8	1.26	21.2
\$75,000-\$99,999	5.1	3.6	1.42	12.7
\$100,000+	6.6	5.8	1.14	15.2
Don't know	1.7	4.5	0.38	.
Refused	34.1	37.5	0.91	.
U. S. citizen	99.7	99.5	1.00	90.5
Foreign born	0.3	0.5	0.60	9.5
Non-metro resident	41.8	45.3	0.92	19.8
Metro area resident	58.2	54.7	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.

Appendix IV

IV: LOCAL OUTDOOR RECREATION SUPPLIERS

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

DANIEL BOONE 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	407,605	62,514.9	5,411,892
COE Project total land and water acres 63,302.1	614,954	94,316.3	5,633,764
FWS refuge acres open for recreation 40,388.3	143	21.9	3,594,475
TVA recreation area acres 283.9	6,194	950.0	25,267
TVA undeveloped acres 4,661.6	80,231	12,305.1	414,876
Wild & Scenic River miles: Total 1992 5.0	114	17.5	446
NRI Total river miles, outstanding value 261.0	3,029	464.6	23,226
State Park acres 17,654.5	184,702	28,328.0	1,571,214
WOODALLS # public campgrounds 3.5	21	3.2	310
WOODALLS # public campground sites 290.5	1,838	281.9	25,853
WOODALLS # private campgrounds 20.8	125	19.2	1,852
WOODALLS # private campground sites 2,495.0	13,286	2,037.7	222,054
NRI acres private forest land 32.4	17,643,700	48.1	173,078,600
NPLOS acres leased to inds. or groups 380,983.3	478,401	73,373.0	33,906,753
NPLOS acres open to general public 340,031.3	2,940,553	450,996.3	30,262,101
ABI # hunting & fishing preserves 2.2	14	2.1	192
ABI # fish camps 2.3	2	0.3	202
ABI # organized camps 19.3	119	18.3	1,722
ABI # private fishing lakes 0.3	2	0.3	24
ABI # boat rental firms 23.1	53	8.1	2,054
ABI # canoe trip outfitters 0.2	0	0.0	19

ABI # canoe rental firms 0.8	12	1.8	73
ABI # public fishing lakes 1.1	10	1.5	95
ABI # guides services 4.1	10	1.5	361
ABI # sightseeing tours 6.8	20	3.1	603
ABI # fishing lakes and ponds 0.9	30	4.6	76
ABI # raft trip firms 0.3	4	0.6	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.