United States
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Forest Service

Natural Resource
Manager

National Visitor
Use Monitoring
Program

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Visitor Use Report

Monongahela NF

USDA Forest Service
Region 9

National Visitor Use Monitoring
Data collected FY 2019

CONTENTS

1. INTRODUCTION

1.1. Scope and purpose of the National Visitor Use Monitoring program

The National Visitor Use Monitoring (NVUM) program provides reliable information about recreation visitors to national forest system managed lands at the national, regional, and forest level. Information about the quantity and quality of recreation visits is required for national forest plans, Executive Order 12862 (Setting Customer Service Standards), and implementation of the National Recreation Agenda. To improve public service, the agency's Strategic and Annual Performance Plans require measuring trends in user satisfaction and use levels. NVUM information assists Congress, Forest Service leaders, and program managers in making sound decisions that best serve the public and protect valuable natural resources by providing science based, reliable information about the type, quantity, quality and location of recreation use on public lands. The information collected is also important to external customers including state agencies and private industry. NVUM methodology and analysis is explained in detail in the research paper entitled: Forest Service National Visitor Use Monitoring Process: Research Method Documentation; English, Kocis, Zarnoch, and Arnold; Southern Research Station; May 2002 (http://www.fs.fed.us/recreation/programs/nvum).

In 1998 a team of research scientists and forest staff developed a recreation sampling system (NVUM) that provides statistical recreation use information at the forest, regional, and national level. Several Forest Service staff areas including Recreation, Wilderness, Ecosystem Management, Research and Strategic Planning and Resource Assessment were involved in developing the program. From January 2000 through September 2003 every national forest implemented this methodology and collected visitor use information. This application served to test the method over the full range of forest conditions, and to provide a rough national estimate of visitation. Implementation of the improved method began in October 2004. Once every five years, each National Forest and Grassland has a year of field data collection.

This NVUM data is useful for forest planning and decision making. The description of visitor characteristics (age, race, zip code, activity participation) can help forest staff identify their recreation niche. Satisfaction information can help management decide where best to place limited resources that would result in improved visitor satisfaction. Economic expenditure information can help forests show local communities the employment and income effects of tourism from forest visitors. In addition, the visitation estimates can be helpful in considering visitor capacity issues.

1.2. Methods

To define the sampling frame, staff on each forest classify all recreation sites and areas into five basic categories called "site types": Day Use Developed Sites (DUDS), Overnight Use Developed Sites (OUDS), Designated Wilderness Areas (Wilderness), General Forest Areas (GFA), and View Corridors (VC). Only the first four categories are counted as national forest recreation visits and are included in the visit estimates. The last category is used to track the volume of people who view national forests from nearby roads; since they do not get onto agency lands, they cannot be counted as visits. For the entire sampling year, each day on each site was given a rating of very high, high, medium, low, or no use according to the expected level of recreational visitors who would be

observed leaving that location for the last time (last exiting recreation use) on that day. The combination of a calendar day and a site or area is called a site day. Site days are the basic sampling unit for the NVUM protocol. Results of this forest categorization are shown in Table 1.

In essence, visitation is estimated through a combination of traffic counts and surveys of exiting visitors. Both are obtained on a random sample of locations and days distributed over an entire forest for a year. All of the surveyed recreation visitors are asked about their visit duration, activities, demographics, travel distance, and annual usage. About one-third were also asked a series of questions about satisfaction. Another one-third were asked to provide information about their income, spending while on their trip, and the next best substitute for the visit.

1.3. Definition of Terms

NVUM has standardized measures of visitor use to ensure that all national forest visitor measures are comparable. These definitions are basically the same as established by the Forest Service in the 1970's. Visitors must pursue a recreation activity physically located "on" Forest Service managed land in order to be counted. They cannot be passing through; viewing from non-Forest Service managed roads, or just using restroom facilities. The visitation metrics are **national forest visits** and **site visits.**   NVUM provides estimates of both and confidence interval statistics measuring the precision of the estimates. The NVUM methodology categorizes recreation facilities and areas into specific site types and use levels in order to develop the sampling frame. Understanding the definitions of the variables used in the sample design and statistical analysis is important in order to interpret the results.

National forest visit is the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A national forest visit can be composed of multiple site visits. The visit ends when the person leaves the national forest to spend the night somewhere else.

Site visit is the entry of one person onto a national forest site or area to participate in recreation activities for an unspecified period of time.   The site visit ends when the person leaves the site or area for the last time on that day.

A **confidence interval** is a range of values that is likely to include an unknown population value, where the range is calculated from a given set of sample data. Confidence intervals are always accompanied by a **confidence level**, which tells the degree of certainty that the value lies in the interval. Used together these two terms define the reliability of the estimate, by defining the range of values that are needed to reach the given confidence level. For example, the 2008 national visitation estimate is 175.6 million visits, with a 90% confidence interval of 3.2%. In other words, given the NVUM data, our best estimate is 175.6 million visits, and given the underlying data, we are 90% certain that the true number is between 170.0 million and 181.2 million.

Recreation trip is the duration of time beginning when the visitor left their home and ending when they return to their home.

Site day - a day that a recreation site or area is open to the public for recreation purposes.

Proxy - information collected at a recreation site or area that is directly related to the amount of

recreation visitation received. The proxy information must pertain to all users of the site and it must be one of the proxy types allowed in the NVUM pre-work directions (fee receipts, fee envelopes, mandatory permits, permanent traffic counters, group reservations, ticket sales, and daily use records).

Nonproxy - a recreation site or area that does not have proxy information. At these sites a 24-hour traffic count is taken to measure total use for one site day at the sample site.

Use level - for each day of the year for each recreation site or area, the site day was categorized as very high, high, medium or low last exiting recreation traffic, or no exiting use. No Use could means either that the location was administratively closed, or it was open but was expected to have zero last exiting visitors. For example a picnic area may listed as having no use during winter months (120 days), high last exiting recreation volume on all other weekends (70 days) and medium last exiting recreation use on the remaining midweek days (175 days). This accounts for all 365 days of the year. This process was repeated for every site and area on the forest.

1.4. Limitations of the Results

The information presented here is valid and applicable at the forest, regional, and national level. It is not designed to be accurate at the district or site level. The quality of the visitation estimate is dependent on the sample design development, sampling unit selection, sample size and variability, and survey implementation. First, preliminary work conducted by forests to identify and consistently classify sites and access points according to the type and amount of expected exiting visitation is the key determinant of the validity and magnitude of the visitation estimate. Second, the success of the forest staff in accomplishing its assigned set of sample days, correctly filling out the interview forms, and following the field protocols influence the reliability of the results, variability of the visitation estimate, and validity of the visitation descriptions. Third, the variability of traffic counts within a sampling stratum affects the reliability of the visitation estimates. Fourth, the range of visitors sampled must be representative of the population of all visitors. Finally, the number of visitors sampled must be large enough to adequately control variability.   The results and confidence intervals will reflect all these factors.

Confidence intervals indicate the reliability of the visitation estimate, given the underlying data. Large confidence intervals indicate high variability in the national forest visit (NFV), site visit (SV) and Wilderness visit estimates. Variance is caused primarily by a small sample size in number of days or having a few sampled days where the observed exiting visitation volume was very different from the normal range. For example, on a particular National Forest in the General Forest Area low stratum, there were 14 sample days. Of these 14 sample days, 13 days had visitation estimates between zero and twenty. The remaining day had a visitation estimate of 440. So the stratum mean was about 37 per day, standard error was about 116, and the 90% confidence interval width is 400% of the mean. Causes for such outlier observations are not known, but could include a misclassification of the day (a high use day incorrectly categorized as a low use day), unusual weather, malfunctioning traffic counter, or reporting errors. Eliminating the unusual observation from data analysis would reduce the variability.   However, unless the NVUM team had reason to suspect the observation was incorrect they did not eliminate these unusual cases.

The descriptive information about national forest visitors is based upon only those visitors that were interviewed. Every effort was made to incorporate distinct seasonal use patterns and activities that

vary greatly by season into the sampling frame. The sampling plan took into account both the spatial and seasonal spread of visitation patterns across the forest. Even so, because of the small sample size of site-days, or because some user groups decline to participate in the survey, it is possible to under-represent certain user groups, particularly for activities that are quite limited in where or when they occur.

Note that the results of the NVUM activity analysis DO NOT identify the types of activities visitors would like to have offered on the national forests. It also does not tell us about displaced forest visitors, those who no longer visit the forest because the activities they desire are not offered.

Some forest visitors were counted and included in the total forest use estimate but were not surveyed. This included visitors to recreation special events and organization camps. Their characteristics are not included in the visit descriptions.

Caution should be used in interpreting any comparisons of these results with those obtained during the 2000 - 2003 period. Differences cannot be interpreted as a trend. Several method changes account for the differences, for both visitation estimates and visit characteristics. One key factor is that the first application of the NVUM process was largely a national beta-test of the method, and significant improvements occurred following it. The NVUM process entailed a completely new method and approach to measuring visitation on National Forest lands. Simply going through the NVUM process for the first time enabled forest staff to do a much better job thereafter in identifying sites, accurately classifying days into use level strata, and ensuring consistency across all locations on the forest. These improvements enhanced the validity of all aspects of the NVUM results. Sampling plans and quality control procedures were also improved.

2. VISITATION ESTIMATES

2.1. Forest Definition of Site Days

The population of site days for sampling was constructed from information provided by forest staff. For each site, each day of the year was given a rating of very high, high, medium, low, or none according to the expected volume of recreation visitors who would be leaving the site or area for the last time (last exiting recreation use). The stratum, a combination of site type and use level, was then used to construct the sampling frame. The results of the recreation site/area stratification and days sampled are displayed in Table 1.

Table 1. Site Days and Percentage of Days Sampled by Stratum

Stratum*		Days Sampled	Site Days# in Use Level/Proxy Population	Sampling Rate (%)&
Site Type†	Use Level‡ or Proxy Code§			
DUDS	VERY HIGH	10	11	90.9
DUDS	HIGH	10	60	16.7
DUDS	MEDIUM	14	313	4.5
DUDS	LOW	17	2,224	0.8
DUDS	DUR5	6	164	3.7
DUDS	FE3	6	186	3.2
DUDS	FR1	6	120	5.0
DUDS	PTC1	6	303	2.0
DUDS	SV1	8	86	9.3
OUDS	HIGH	8	14	57.1
OUDS	MEDIUM	9	149	6.0
OUDS	LOW	12	1,188	1.0
OUDS	DUR4	6	848	0.7
OUDS	DUR5	6	510	1.2
OUDS	RE2	6	245	2.4
GFA	HIGH	12	127	9.4
GFA	MEDIUM	24	1,487	1.6
GFA	LOW	73	10,723	0.7
WILDERNESS	VERY HIGH	10	44	22.7
WILDERNESS	HIGH	9	101	8.9
WILDERNESS	MEDIUM	11	181	6.1
WILDERNESS	LOW	16	2,521	0.6
Total		**285**	**21,605**	**1.3**

* Stratum is the combination of the site type and use level or proxy code. Sample days were independently drawn within each stratum.

† DUDS = Day Use Developed Site, OUDS = Overnight Use Developed Site, GFA = General Forest Area ("Undeveloped Areas"), WILDERNESS = Designated Wilderness

‡ Use level was defined independently by each forest by defining the expected number of recreation visitors that would be last-exiting a site or area on a given day. The forest developed the range for very high, high, medium, and low and then assigned each day of the year to one of the use levels.

§ Proxy Code - If the site or area already had counts of use (such as fee envelopes or ski lift tickets) the site was called a proxy site and sampled independent of nonproxy sites.

Site Days are days that a recreation site or area is open to the public for recreation purposes.

& 0.0 - This value is less than five one-hundredths.

2.2. Visitation Estimates

Visitation estimates are available at the national, regional, and forest level. This document provides only National Forest level data. Other documents may be obtained through the National Visitor Use Monitoring web page: www.fs.fed.us/recreation/programs/nvum.

When reviewing the results, users should discuss with forest staff if this forest experienced any unusual circumstances such as forest fires, floods, or atypical weather that may have created an unusual recreation use pattern for the year sampled. Table 2 displays the number of national forest visits and site visits by site type for this National Forest.

Table 2. Annual Visitation Estimate

Visit Type	Visits (1,000s)	90% Confidence Level (%)#
Total Estimated Site Visits*	732	±15.8
→ Day Use Developed Site Visits	307	±28.7
→ Overnight Use Developed Site Visits	61	±15.5
→ General Forest Area Visits	336	±22.0
→ Designated Wilderness Visits†	28	±39.1
Total Estimated National Forest Visits§	398	±16.5
→ Special Events and Organized Camp Use‡	0	±0.0

* A Site Visit is the entry of one person onto a National Forest site or area to participate in recreation activities for an unspecified period of time.

† Designated Wilderness visits are included in the Site Visits estimate.

‡ Special events and organizational camp use are not included in the Site Visit estimate, only in the National Forest Visits estimate. Forests reported the total number of participants and observers so this number is not estimated; it is treated as 100% accurate.

§ A National Forest Visit is defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

This value defines the upper and lower bounds of the visitation estimate at the 90% confidence level, for example if the visitation estimate is 100 +/-5%, one would say "at the 90% confidence level visitation is between 95 and 105 visits."

The quality of the use estimate is based in part on how many individuals were contacted during the sample day and how many complete interviews were obtained from which to estimate NVUM numbers and visitor descriptions. Table 3 and Table 4 display the number of visitor contacts, number of completed interviews by site type and survey form type. This information may be useful to managers when assessing how representative of all visitors the information in this report may be.

Table 3. Number of Individuals Contacted by Site Type

Site Type	Total Individuals Contacted	Individuals Who Agreed to be Interviewed	Recreating Individuals Who Are Leaving for the Last Time That Day
Day Use Developed Sites	665	437	352
Overnight Use Developed Sites	254	135	51
Undeveloped Areas (GFAs)	801	405	180
Designated Wilderness	207	177	125
Total	**1,927**	**1,154**	**708**

Table 4. Number of Complete Interviews* by Site Type and Form Type

Form Type†	Developed Day Use Site	Developed Overnight	Undeveloped Areas (GFAs)	Wilderness	Total
Basic	119	18	70	47	254
Economic	107	16	52	43	218
Satisfaction	106	17	58	35	216
Total	**332**	**51**	**180**	**125**	**688**

* Complete interviews are those in which the individual contacted agreed to be interviewed, was recreating on the national forest and was exiting the site or area for the last time that day.

† Form Type is the type of interview form administered to the visitor. The Basic form did not ask either economic or satisfaction questions. The Satisfaction form did not ask economic questions and the Economic form did not ask satisfaction questions.

Visitors were interviewed regardless of whether they were recreating at the site or not , however the interview was discontinued after determining that the reason for visiting the site was <u>not</u> recreation. Figure 1 displays the various reasons visitors gave as their purpose for stopping at the sample site.

Figure 1. Purpose of Visit by Visitors Who Agreed to be Interviewed

■ Recreation	80.2%
■ Use Bathroom	2.0%
■ Work or Commute	3.5%
■ Passing Through	10.4%
■ Some Other Reason	4.0%
Total:	100.0%
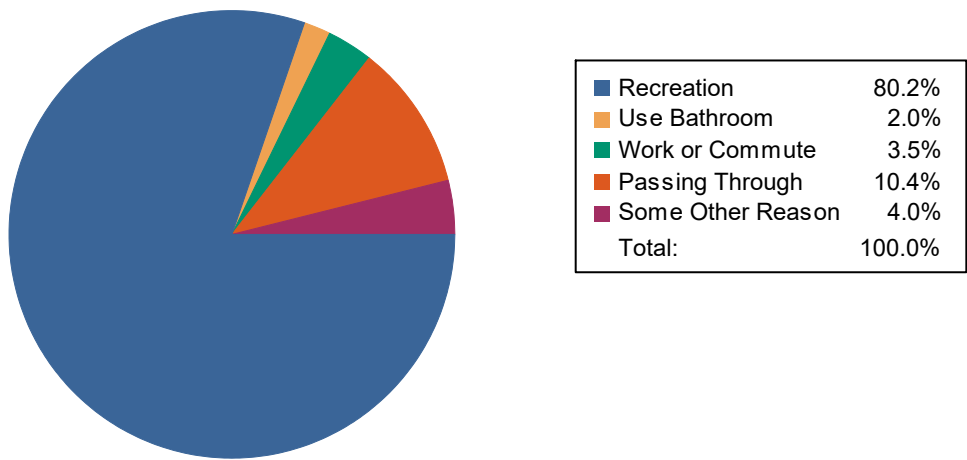
3. DESCRIPTION OF THE RECREATION VISIT

3.1. Demographics

Descriptions of forest recreational visits were developed based upon the characteristics of interviewed visitors (respondents) and expanded to the national forest visitor population. Basic demographic information helps forest managers identify the profile of the visitors they serve. Management concerns such as providing recreation opportunities for underserved populations may be monitored with this information. Table 5, Table 6 and Table 7 provide basic demographic information about visitors interviewed regarding Gender, Race/Ethnicity, and Age, respectively. Table 8 shows the 15 most common reported origins for recreation visitors. A complete list of reported zip codes for respondents is found in Appendix A. Table 9 provides information about self reported travel distance from home to the interview site.

Demographic results show that about 37% of visits to the Monongahela NF are made by females. Among racial and ethnic minorities, the most commonly encountered are Hispanics/Latinos (2%). The age distribution shows that about 16% of visits are children under age 16. People over the age of 60 account for around 24% of visits. About 18 percent of visits are from those living within 25 miles of the forest. Another 13 percent live between 25 and 50 miles from the forest.

Table 5. Percent of National Forest Visits* by Gender

Gender	Survey Respondents†	National Forest Visits (%)‡
Female	650	36.9
Male	881	63.1
Total	**1,531**	**100.0**
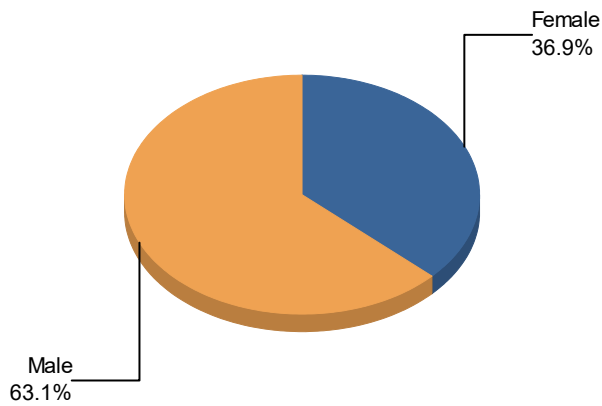
Female
36.9%

Male
63.1%

* A National Forest Visit is defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

† Non-respondents to gender questions were excluded from analysis.

‡ Calculations are computed using weights that expand the sample of individuals to the population of National Forest Visits.

Table 6. Percent of National Forest Visits* by Race/Ethnicity

Race †	Survey Respondents‡	National Forest Visits (%)§#
American Indian / Alaska Native	1	0.0
Asian	19	1.5
Black / African American	5	0.7
Hawaiian / Pacific Islander	0	0.0
White	626	98.4
Total	651	100.6

Ethnicity†	Survey Respondents‡	National Forest Visits (%)§
Hispanic / Latino	14	1.8

* A National Forest Visit is defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

\# Respondents could choose more than one racial group, so the total may be more than 100%.

† Race and Ethnicity were asked as two separate questions.

‡ Non-respondents to race/ethnicity questions were excluded from analysis.

§ Calculations are computed using weights that expand the sample of individuals to the population of National Forest Visits.

Table 7. Percent of National Forest Visits* by Age

Age Class	National Forest Visits (%)‡
Under 16	15.5
16-19	2.8
20-29	14.6
30-39	17.0
40-49	11.4
50-59	14.9
60-69	15.7
70+	8.0
Total	**99.9**
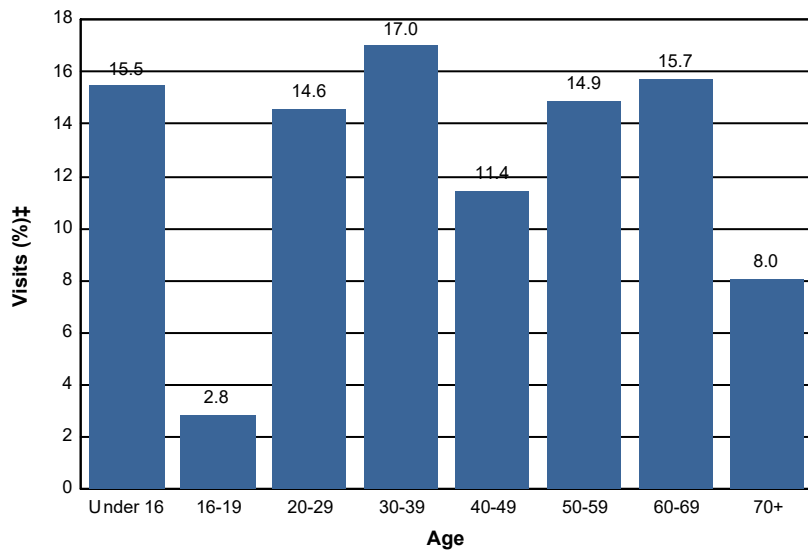
* A National Forest Visit is defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.
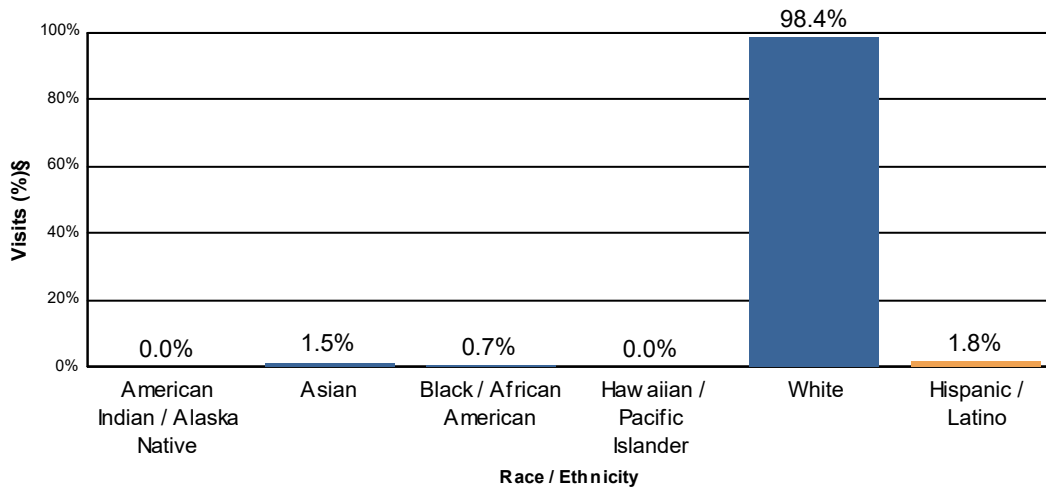
† Non-respondents to age questions were excluded from analysis.

‡ Calculations are computed using weights that expand the sample of individuals to the population of National Forest Visits.

Table 8. Top 15 Most Commonly Reported ZIP Codes, States and Counties of National Forest Survey Respondents

ZIP Code	State	County	Percent of Respondents	Survey Respondents (n)
Unknown Origin*			12.2	14
26241	West Virginia	Randolph County	11.3	13
26206	West Virginia	Webster County	9.6	11
Foreign Country			9.6	11
26847	West Virginia	Grant County	8.7	10
26554	West Virginia	Marion County	7.0	8
26651	West Virginia	Nicholas County	6.1	7
26201	West Virginia	Upshur County	6.1	7
26205	West Virginia	Nicholas County	4.3	5
24901	West Virginia	Greenbrier County	4.3	5
26261	West Virginia	Nicholas County	4.3	5
26833	West Virginia	Grant County	4.3	5
26807	West Virginia	Pendleton County	4.3	5
26250	West Virginia	Barbour County	4.3	5
26855	West Virginia	Grant County	3.5	4

* Includes respondents reporting no ZIP code or an invalid ZIP code.

Table 9. Percent of National Forest Visits* by Distance Traveled

Miles from Survey Respondent's Home to Interview Location†	National Forest Visits (%)
0 - 25 miles	17.9
26 - 50 miles	12.8
51 - 75 miles	4.2
76 - 100 miles	10.4
101 - 200 miles	29.3
201 - 500 miles	18.8
Over 500 miles	6.6
Total	100.0

Note: Blank cells indicate that insufficient data were collected to make inferences.

* National Forest Visits are defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

† Travel distance is self-reported.

3.2. Visit Descriptions

Characteristics of the recreation visit such as length of visit, types of sites visited, activity participation and visitor satisfaction with forest facilities and services help managers understand recreation use patterns and use of facilities. This allows them to plan workforce and facility needs. The average national forest visit length of stay and average site visit length of stay by site type on this forest is displayed in Table 10. Since the average values displayed in Table 10 may be influenced by a few people staying a very long time, the median value is also shown.

About half of visits to this forest last less than 6 hours, although the average duration is around 27 hours. The median length of visits to overnight sites is about 47 hours, indicating most are multiple-night stays. About 63% of visits come from people who visit at most 5 times per year.   Very frequent visitors are quite rare: only about 5 percent of visits are made by people who visit more than 50 times per year.

Table 10. Visit Duration

Visit Type	Average Duration (hours)‡	Median Duration (hours)‡
Site Visit	10.5	2.4
Day Use Developed	2.1	1.2
Overnight Use Developed	72.5	46.6
Undeveloped Areas	4.3	3.4
Designated Wilderness	19.0	19.3
National Forest Visit	26.4	5.5

* A Site Visit is the entry of one person onto a national forest site or area to participate in recreation activities for an unspecified period of time. Sites and areas were divided into four site types as listed here.

† A National Forest Visit is defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

‡ If this variable is blank not enough surveys were collected to make inferences.

Many of the respondents on this National Forest went only to the site at which they were interviewed (Table 11). Some visitors went to more than one recreation site or area during their national forest visit and the average site visits per national forest visit is shown below. Also displayed are the average people per vehicle and average axles per vehicle. This information in conjunction with traffic counts was used to expand observations from individual interviews to the full forest population of recreation visitors. This information may be useful to forest engineers and others who use vehicle counters to conduct traffic studies.

During the interview, visitors were asked how often they visit this national forest for all recreational activities, and how often for their primary activity. Table 12 summarizes the percent of visits that are made by those in each frequency category for this National Forest.

Table 11. Group Characteristics

Characteristic	Average
Percent of visits that were to just one national forest site during the National Forest Visit*	84.8
Number of national forest sites visited on National Forest Visit*	1.3
Group size	2.3
Axles per vehicle	2.0

Table 12. Percent of National Forest Visits* by Annual Visit Frequency

Number of Annual Visits	Visits (%)†	Cumulative Visits (%)
1 - 5	63.3	63.3
6 - 10	14.2	77.5
11 - 15	5.4	82.9
16 - 20	3.6	86.5
21 - 25	3.6	90.1
26 - 30	1.9	92.1
31 - 35	0.0	92.1
36 - 40	0.3	92.4
41 - 50	2.6	95.0
51 - 100	2.4	97.4
101 - 200	1.2	98.6
201 - 300	0.2	98.9
Over 300	1.1	100.0
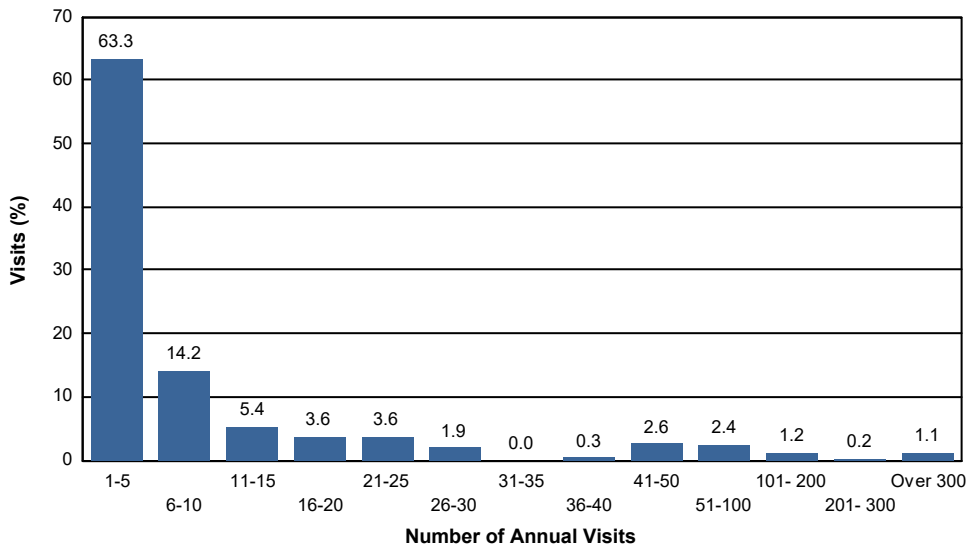
* A National Forest Visit is defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

† The first row indicates the percent of National Forest Visits made by persons who visit 1 to 5 times per year. The last row indicates the percent of National Forest Visits made by persons who visit more than 300 times per year.

3.3. Activities

After identifying their main recreational activity, visitors were asked how many hours they spent participating in that main activity during this national forest visit. Some caution is needed when using this information. Because most national forest visitors participate in several recreation activities during each visit, it is more than likely that other visitors also participated in this activity, but did not identify it as their <u>main</u> activity. For example, on one national forest 63 % of visitors identified viewing wildlife as a recreational activity that they participated in during this visit, however only 3% identified that activity as their <u>main</u> recreational activity. The information on average hours viewing wildlife is only for the 3% who reported it as a main activity.

The most frequently reported primary activities are fishing (21%), hiking/walking (20%), and viewing natural features (10%).

Use of Constructed Facilities and Designated Areas

About one-third of recreation visitors interviewed were asked about whether they made use of a targeted set of facilities and special designated areas during their visit. These results are displayed in Table 14.

Table 13. Activity Participation

Activity	% Participation*	% Main Activity‡	Avg Hours Doing Main Activity
Viewing Natural Features	62.5	17.7	4.0
Viewing Wildlife	52.6	2.8	3.9
Hiking / Walking	51.9	17.9	4.0
Driving for Pleasure	39.4	6.2	6.5
Relaxing	38.1	5.0	11.3
Fishing	29.3	19.2	6.9
Nature Center Activities	21.9	1.7	1.2
Visiting Historic Sites	15.9	0.9	4.0
Developed Camping	14.8	6.3	73.4
Picnicking	12.1	1.6	2.7
Nature Study	8.8	1.4	3.1
Gathering Forest Products	7.4	0.7	3.6
Backpacking	7.1	4.3	48.7
Primitive Camping	6.8	1.6	58.2
Other Non-motorized	6.2	1.7	7.3
Hunting	6.1	4.9	5.7
Some Other Activity	5.7	5.2	6.2
Bicycling	4.5	2.8	9.3
Non-motorized Water	4.5	0.3	2.3
Resort Use	3.4	0.2	27.9
OHV Use	1.4	0.0	1.0
Motorized Water Activities	1.2	0.0	0.0
Motorized Trail Activity	0.9	0.0	1.0
Horseback Riding	0.8	0.0	0.0
Snowmobiling	0.0	0.0	0.0
Other Motorized Activity	0.0	0.0	0.0
Downhill Skiing	0.0	0.0	0.0
Cross-country Skiing	0.0	0.0	0.0
No Activity Reported	0.0	0.5	

% Main Activity
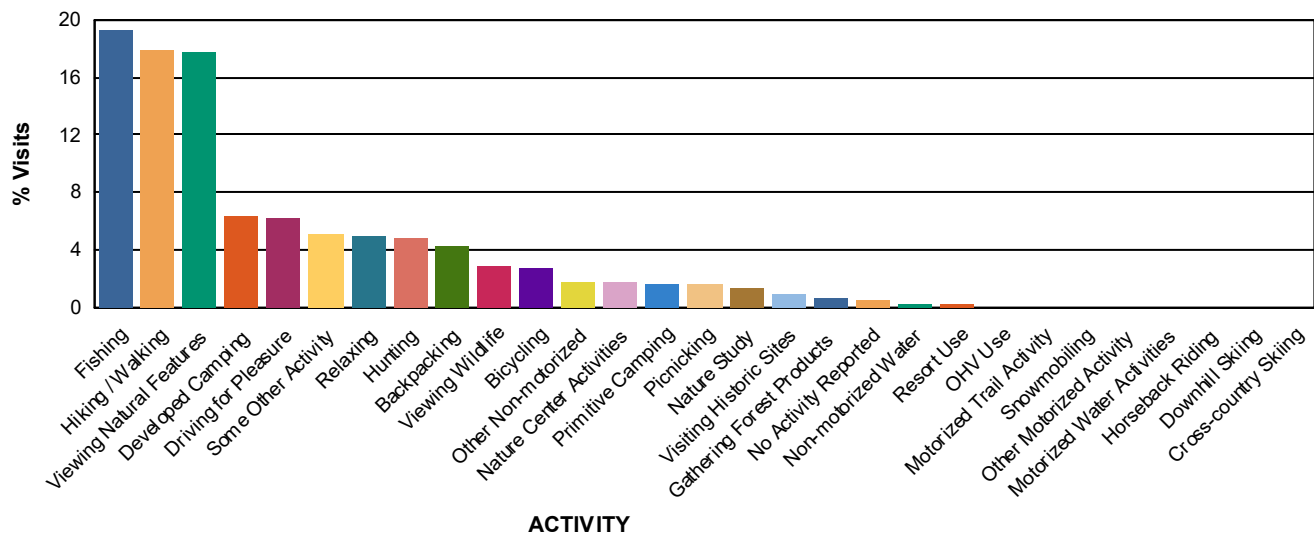
* Survey respondents could select multiple activities so this column may total more than 100%.

‡ Survey respondents were asked to select just one of their activities as their main reason for the forest visit. Some respondents selected more than one, so this column may total more than 100%.

Special Facility Use

Table 14. Percent of National Forest Visits* Indicating Use of Special Facilities or Areas

Special Facility or Area	% of National Forest Visits†
Developed Swimming Site	13.6
Scenic Byway	45.9
Visitor Center or Museum	31.3
Designated ORV Area	5.6
Forest Roads	5.0
Interpretive Displays	19.4
Information Sites	19.4
Developed Fishing Site	13.0
Motorized Single Track Trails	3.7
Motorized Dual Track Trails	9.7
None of these Facilities	27.3

* A National Forest Visit is defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

† Survey respondents could select as many or as few special facilities or areas as appropriate.

4. ECONOMIC INFORMATION

Forest managers are usually very interested in the impact of National Forest recreation visits on the local economy. As commodity production of timber and other resources has declined, local communities look increasingly to tourism to support their communities. When considering recreation-related visitor spending managers are often interested both in identifying the average spending of individual visitors (or types of visitors) and the total spending associated with all recreation use. Spending averages for visitors or visitor parties can be estimated using data collected from a statistically valid visitor sampling program such as NVUM. To estimate the total spending associated with recreation use, three pieces of information are needed: an overall visitation estimate, the proportion of visits in the visitor types, and the average spending profiles for each of the visitor types. Multiplying the three gives a total amount of spending by a particular type of visitor. Summing over all visitor types gives total spending.

About one-third of the NVUM surveys included questions about trip-related spending within 50 miles of the site visited. Analysis of spending data included identification of the primary visitor segments that have distinct spending profiles as well as estimation of the average spending per party per visit. Results from the FY2005 through FY2009 period are available in a report: https://www.treesearch.fs.fed.us/pubs/43869. Results from the FY2010 through FY2014 period are in the publication process.

4.1. Spending Segments

The spending that occurs on a recreation trip is greatly influenced by the type of recreation trip taken. For example, visitors on overnight trips away from home typically have to pay for some form of lodging (e.g., hotel/motel rooms, fees in a developed campground, etc.) while those on day trips do not. In addition, visitors on overnight trips will generally have to purchase more food during their trip (in restaurants or grocery stores) than visitors on day trips. Visitors who have not traveled far from home to the recreation location usually spend less than visitors traveling longer distances, especially on items such as fuel and food. Analysis of spending patterns has shown that a good way to construct segments of the visitor market with consistent spending patterns is the following seven groupings:

1. local visitors on day trips,
2. local visitors on overnight trips staying in lodging on the national forest,
3. local visitors on overnight trips staying in lodging off the national forest, and
4. non-local visitors on day trips,
5. non-local visitors on overnight trips staying in lodging on the national forest,
6. non-local visitors on overnight trips staying in lodging off the forest,
7. non-primary visitors.

Local visitors are those who travel less than 50 road miles from home to the recreation site visited and non-local visitors are those who travel greater than 50 road miles to the recreation site visited. Non-primary visitors are those for whom the primary purpose of their trip is something other than recreating on that national forest. The distribution of visits by spending segment is not displayed in this report. See the appendix tables in the spending analysis report cited above for spending segment distributions.

For about 45 percent of visits, the trip to the Monongahela is a day trip from home rather than a trip that includes an overnight stay. The income distribution results show a fairly even spread across all income categories.

Table 15 is no longer displayed here

4.2. Spending Profiles

Spending profiles for each segment are contained in the spending analysis report, as are tables that identify whether visitors to a particular forest are in a higher or lower than average range. It is essential to note that the spending profiles are in dollars per party per visit. Obtaining per visit spending is accomplished by dividing the spending for each segment by the average people per party for the forest and spending segment. These data are in the appendix of the report.

4.3. Total Direct Spending

Total direct spending made within 50 miles of the forest and associated with national forest recreation is calculated by combining estimates of per party spending averages with the number of party trips in the segment. The number of party-trips in the segment equals the number of National Forest visits reported in table 2, times the percentage of visits in each spending segment, and divided by the average people per party.

4.4. Other Visit Information

There are several other important aspects of the trips on which the recreation visits to the forest are made. These are summarized in Table 16. The first aspect relates to total amount spent by the recreating party on the trip. This includes spending not just within 50 miles of the forest, but anywhere. The table shows both the average and the median. Another set describes the overall length of the trips on which the visits are made. The table shows the percent of the visits that were made on trips where the person stayed away from home overnight (even though the forest visit may be just a day visit), and the average total nights away from home and nights spent within 50 miles of the forest. For those spending one or more nights in or near the forest, the table shows the percentage that selected each of a series of lodging options. Together, these results help show the context of overall trip length and lodging patterns for visitors to the forest.

Table 16. Trip Spending and Lodging Usage

Trip Spending	Value
Average Total Trip Spending per Party	$0
Median Total Trip Spending per Party	
% NF Visits made on trip with overnight stay away from home	48.3%
% NF Visits with overnight stay within 50 miles of NF	43.7%
Mean nights/visit within 50 miles of NF	3.6
Area Lodging Use	% Visits with Nights Near Forest
NFS Campground on this NF	28.4%
Undeveloped Camping in this NF	14.9%
NFS Cabin	11.6%
Other Public Campground	5.5%
Private Campground	4.0%
Rented Private Home	28.2%
Home of Friends/Family	5.7%
Own Home	1.4%
Other Lodging	0.0%

Area Lodging Use
% Visits with Nights Near Forest
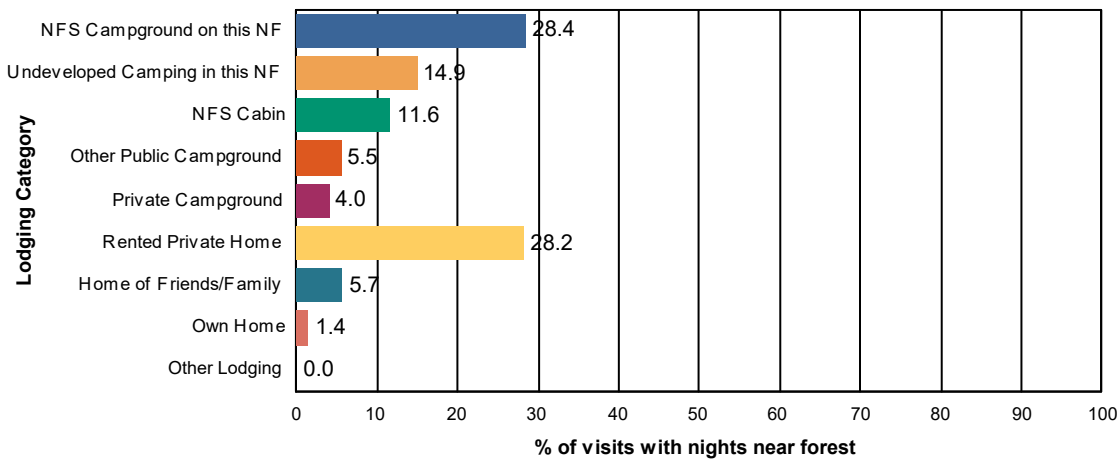
4.5. Household Income

Visitors were asked to report a general category for their total household income. Only very general categories were used, to minimize the intrusive nature of the question. Results help indicate the overall socio-economic status of visitors to the forest, and are found in Table 17.

Table 17. Percent of National Forest Visits* by Annual Household Income

Annual Household Income Category	National Forest Visits (%)
Under $25,000	13.5
$25,000 to $49,999	22.7
$50,000 to $74,999	15.9
$75,000 to $99,999	14.2
$100,000 to $149,999	26.5
$150,000 and up	7.2
Total	100.0

* National Forest Visits are defined as the entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A National Forest Visit can be composed of multiple Site Visits.

4.6. Substitute Behavior

Visitors were asked to select one of several substitute choices, if for some reason they were unable to visit this national forest (Figure 3). Choices included going somewhere else for the same activity they did on the current trip, coming back to this forest for the same activity at some later time, going someplace else for a different activity, staying at home and not making a recreation trip, going to work instead of recreating, and a residual 'other' category. On most forests, the majority of visitors indicate that their substitute behavior choice is activity driven (going elsewhere for same activity) and a smaller percentage indicate they would come back later to this national forest for the same activity. For those visitors who said they would have gone somewhere else for recreation they were asked how far from their home this alternate destination was. These results are shown in Figure 4.

Figure 3. Substitute Behavior Choices

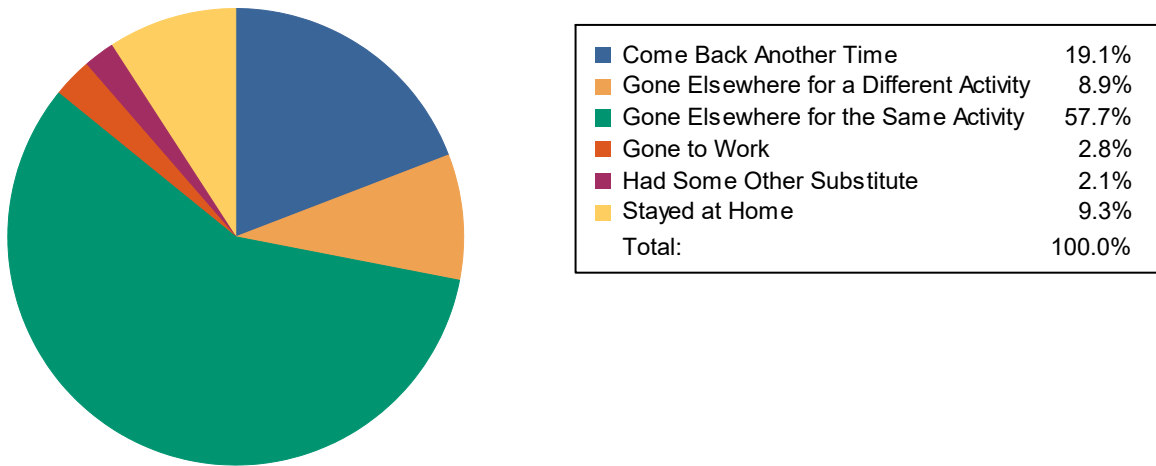|		
■ Come Back Another Time		19.1%
■ Gone Elsewhere for a Different Activity		8.9%
■ Gone Elsewhere for the Same Activity		57.7%
■ Gone to Work		2.8%
■ Had Some Other Substitute		2.1%
■ Stayed at Home		9.3%
Total:		100.0%

Figure 4. Reported Distance Visitors Would Travel to Alternate Location

5. SATISFACTION INFORMATION

An important element of outdoor recreation program delivery is evaluating customer satisfaction with the recreation setting, facilities, and services provided. Satisfaction information helps managers decide where to invest in resources and to allocate resources more efficiently toward improving customer satisfaction. Satisfaction is a core piece of data for national- and forest-level performance measures. To describe customer satisfaction, several different measures are used. Recreation visitors were asked to provide an overall rating of their visit to the national forest, on a 5-point Likert scale. About one-third of visitors interviewed on the forest rated their satisfaction with fourteen elements related to recreation facilities and services, and the importance of those elements to their recreation experience. Visitors were asked to rate the specific site or area at which they were interviewed. Visitors rated both the importance and performance (satisfaction with) of these elements using a 5-point scale. The Likert scale for importance ranged from not important to very important. The Likert scale for performance ranged from very dissatisfied to very satisfied. Although the satisfaction ratings specifically referenced the area where the visitor was interviewed, the survey design does not usually have enough responses for any individual site or area on the forest to present information at a site level. Rather, the information is generalized to overall satisfaction within the three site types: Day Use Developed (DUDS), Overnight Use Developed (OUDS), General Forest Areas, and on the forest as a whole.

The satisfaction responses are analyzed in several ways. First, a graph of overall satisfaction is presented in Figure 5. Next, two aggregate measures were calculated from the set of individual elements. The satisfaction elements most readily controlled by managers were aggregated into four categories: developed facilities, access, services, and visitor safety. The site types sampled were aggregated into three groups: developed sites (includes both day use and overnight developed sites), dispersed areas, and designated Wilderness. The first aggregate measure is called "Percent Satisfied Index (PSI)", which is the proportion of all ratings for the elements in the category where the satisfaction ratings had a numerical rating of 4 or 5. Conceptually, the PSI indicator shows the percent of all recreation customers who are satisfied with agency performance. The agency's national target for this measure is 85%. It is usually difficult to consistently have a higher satisfaction score than 85% since given tradeoffs among user groups and other factors. Table 18 displays the aggregate PSI scores for this forest.

Another aggregate measure of satisfaction is called "Percent Meet Expectations (PME)". This is the proportion of satisfaction ratings in which the numerical satisfaction rating for a particular element is equal to or greater than the importance rating for that element. This indicator tracks the congruence between the agency's performance and customer evaluations of importance. The idea behind this measure is that those elements with higher importance levels must have higher performance levels. Figure 6 displays the PME scores by type of site. Lower scores indicate a gap between desires and performance.

An Importance-Performance Analysis (IPA) (Hudson, et al, Feb 2004) was calculated for the importance and satisfaction scores. A target level of importance and performance divides the possible set of score pairs into four quadrants. For this work, the target level of both was a numerical score of 4.0. Each quadrant has a title that helps in interpreting responses that fall into it, and that provides some general guidance for management. These can be described as:

1. Importance at or above 4.0, Satisfaction at or above 4.0: **Keep up the good work**. These are items that are important to visitors and ones that the forest is performing quite well;
2. Importance at or above 4.0, Satisfaction under 4.0: **Concentrate here**. These are important items to the public, but performance is not where it needs to be. Increasing effort here is likely to have the greatest payoff in overall customer satisfaction;
3. Importance below 4.0, Satisfaction above 4.0: **Possible overkill**. These are items that are not highly important to visitors, but the forest's performance is quite good. It may be possible to reduce effort here without greatly harming overall satisfaction;
4. Importance below 4.0; Satisfaction below 4.0: **Low Priority**. These are items where performance is not very good, but neither are they important to visitors. Focusing effort here is unlikely to have a great impact.

We present tables that show the I-P rating title for each satisfaction element. Each sitetype is presented in a separate table. Results are presented in Tables 19 - 22.

The numerical scores for visitor satisfaction and importance for each element by site type, and the sample sizes for each are presented in Appendix B (Tables B1 - B4). Most managers find it difficult to discern meaning from these raw tables; however they may wish to examine specific elements once they have reviewed the other satisfaction information presented in this section. Note that if an element had fewer than 10 responses no analyses are performed, as there are too few responses to provide reliable information. Finally, visitors were asked about their overall satisfaction with and the importance of road condition and the adequacy of signage. Figure 7a and Figure 7b show the results.

The overall satisfaction results are quite good. Over 82% of people visiting indicated they were very satisfied with their overall recreation experience. Another 14% were somewhat satisfied. The results for the composite indices were also very good. Satisfaction ratings for perception of safety were over 95% for all types of sites. Satisfaction rating for the other composites was over 85 percent in developed sites.

Figure 5. Percent of National Forest Visits by Overall Satisfaction Rating

■ Very Satisfied	82.3%
■ Somewhat Satisfied	13.6%
■ Neither Satisfied nor Dissatisfied	1.7%
■ Somewhat Dissatisfied	1.6%
■ Very Dissatisfied	0.8%
Total:	100.0%
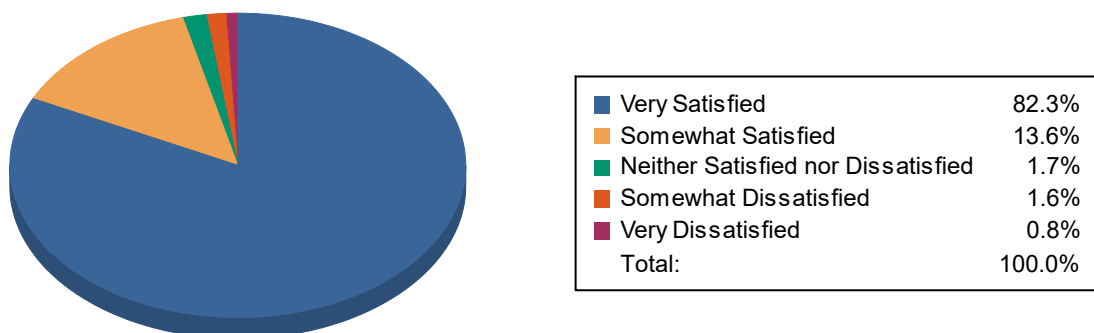
Table 18. Percent Satisfied Index† Scores for Aggregate Categories

Satisfaction Element	Satisfied Survey Respondents (%)		
	Developed Sites‡	Undeveloped Areas (GFAs)	Designated Wilderness
Developed Facilities	87.2	99.7	77.4
Access	96.6	80.8	67.2
Services	95.9	78.8	85.4
Feeling of Safety	97.0	97.1	98.5

† This is a composite rating. It is the proportion of satisfaction ratings scored by visitors as good (4) or very good (5). Computed as the percentage of all ratings for the elements within the sub grouping that are at or above the target level, and indicates the percent of all visitors that are reasonably well satisfied with agency performance.

‡ This category includes both Day Use and Overnight Use Developed Sites.

Figure 6. Percent Meets Expectations Scores*
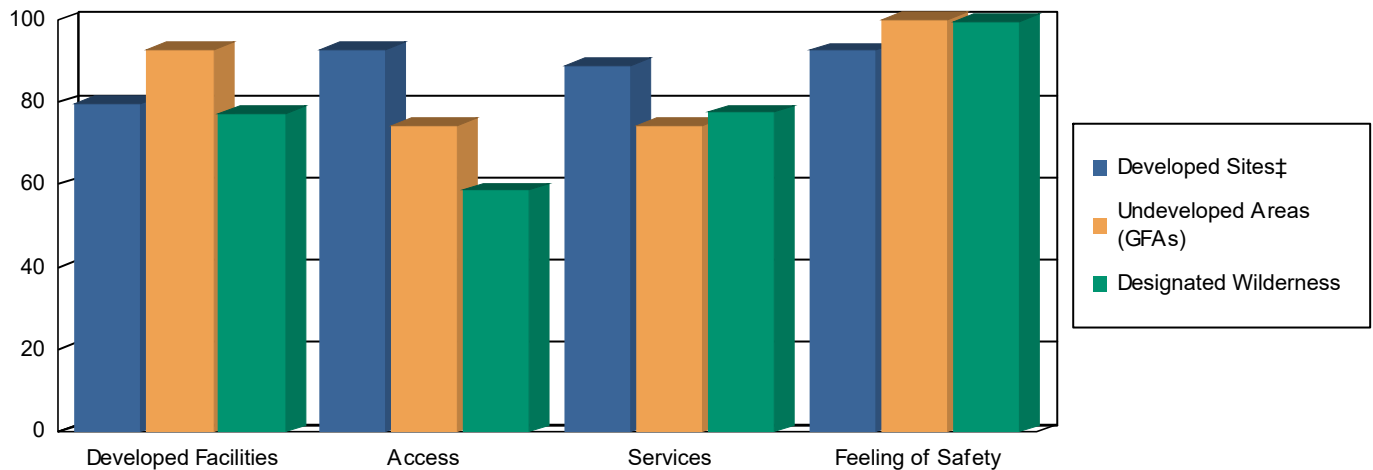
* "Percent Meet Expectations (PME)" is the proportion of satisfaction ratings in which the numerical satisfaction rating for a particular element is equal to or greater than the importance rating for that element. This indicator tracks the congruence between the agency's performance and customer evaluations of importance. The idea behind this measure is that those elements with higher importance levels must have higher performance levels. Lower scores indicate a gap between desires and performance.

‡ This category includes both Day Use and Overnight Use Developed Sites.

Table 19. Importance-Performance Ratings for Day Use Developed Sites

Satisfaction Element	Importance-Performance Rating
Restroom Cleanliness	Keep up the Good Work
Developed Facilities	Keep up the Good Work
Condition of Environment	Keep up the Good Work
Employee Helpfulness	Keep up the Good Work
Interpretive Displays	Keep up the Good Work
Parking Availability	Keep up the Good Work
Parking Lot Condition	Keep up the Good Work
Rec. Info. Availability	Keep up the Good Work
Road Condition	Keep up the Good Work
Feeling of Satefy	Keep up the Good Work
Scenery	Keep up the Good Work
Signage Adequacy	Keep up the Good Work
Trail Condition	Keep up the Good Work
Value for Fee Paid	Keep up the Good Work

Table 20. Importance-Performance Ratings for Overnight Developed Sites

Satisfaction Element	Importance-Performance Rating
Restroom Cleanliness	Keep up the Good Work
Developed Facilities	Keep up the Good Work
Condition of Environment	Keep up the Good Work
Employee Helpfulness	Keep up the Good Work
Interpretive Displays	Keep up the Good Work
Parking Availability	Keep up the Good Work
Parking Lot Condition	Keep up the Good Work
Rec. Info. Availability	Keep up the Good Work
Road Condition	Keep up the Good Work
Feeling of Satefy	Keep up the Good Work
Scenery	Keep up the Good Work
Signage Adequacy	Keep up the Good Work
Trail Condition	*
Value for Fee Paid	Keep up the Good Work

* The data was not reported for items with fewer than 10 responses.

Table 21. Importance-Performance Ratings for Undeveloped Areas (GFAs)

Satisfaction Element	Importance-Performance Rating
Restroom Cleanliness	Keep up the Good Work
Developed Facilities	Keep up the Good Work
Condition of Environment	Keep up the Good Work
Employee Helpfulness	Keep up the Good Work
Interpretive Displays	Keep up the Good Work
Parking Availability	Keep up the Good Work
Parking Lot Condition	Possible Overkill
Rec. Info. Availability	Keep up the Good Work
Road Condition	Concentrate Here
Feeling of Satefy	Possible Overkill
Scenery	Keep up the Good Work
Signage Adequacy	Keep up the Good Work
Trail Condition	Keep up the Good Work
Value for Fee Paid	Keep up the Good Work

Table 22. Importance-Performance Ratings for Designated Wilderness

Satisfaction Element	Importance-Performance Rating
Restroom Cleanliness	*
Developed Facilities	*
Condition of Environment	Keep up the Good Work
Employee Helpfulness	*
Interpretive Displays	Possible Overkill
Parking Availability	Concentrate Here
Parking Lot Condition	Possible Overkill
Rec. Info. Availability	Keep up the Good Work
Road Condition	Concentrate Here
Feeling of Satefy	Keep up the Good Work
Scenery	Keep up the Good Work
Signage Adequacy	Keep up the Good Work
Trail Condition	Keep up the Good Work
Value for Fee Paid	*

* The data was not reported for items with fewer than 10 responses.

Road Conditions & Signage

Figure 7a. Satisfaction with Forest-wide Road Conditions & Signage Adequacy
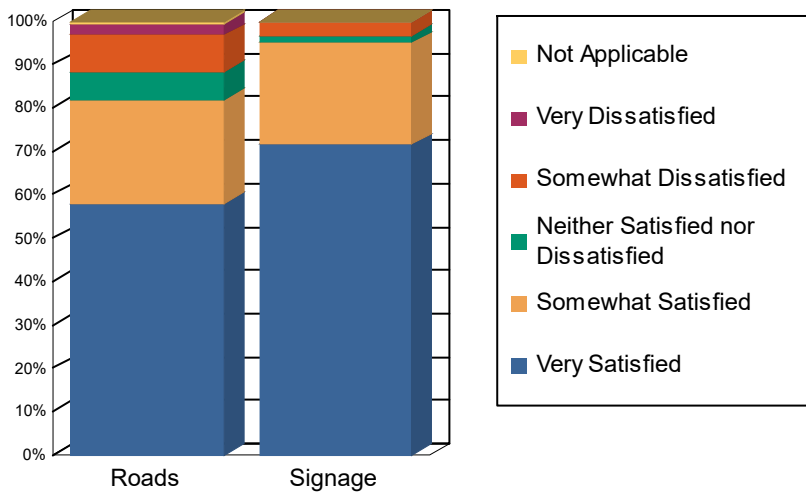
Figure 7b. Importance of Forest-wide Road Conditions & Signage Adequacy
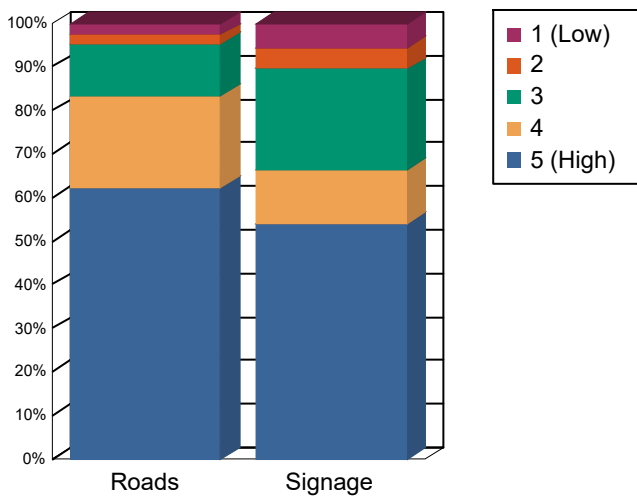
5.1. Crowding

Visitors rated their perception of how crowded the recreation site or area felt to them. This information is useful when looking at the type of site the visitor was using since someone visiting a designated Wilderness may think 5 people is too many while someone visiting a developed campground may think 200 people is about right. Table 23 shows the distribution of responses for each site type. Crowding was reported on a scale of 1 to 10 where 1 denotes hardly anyone was there, and a 10 indicates the area was perceived as overcrowded.

Table 23. Percent of Site Visits* by Crowding Rating and Site Type

Crowding Rating†	Site Types (% of Site Visits)			
	Day Use Developed Sites	Overnight Use Developed Sites	Undeveloped Areas (GFAs)	Designated Wilderness
10 - Overcrowded	0.2	0.0	2.8	0.0
9	0.5	14.0	3.2	6.8
8	3.9	16.2	5.5	9.5
7	6.5	0.0	2.8	0.8
6	15.8	41.6	26.6	19.6
5	11.4	0.0	13.4	20.7
4	17.0	14.0	13.6	12.9
3	19.6	0.0	16.0	12.4
2	23.7	14.2	16.0	17.4
1 - Hardly anyone there	1.5	0.0	0.0	0.0
Average Rating	**4.1**	**5.9**	**4.8**	**4.9**
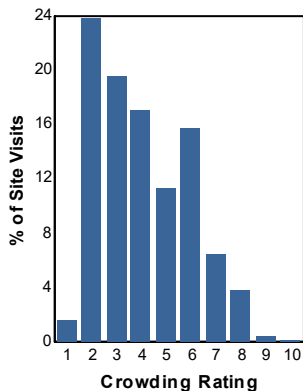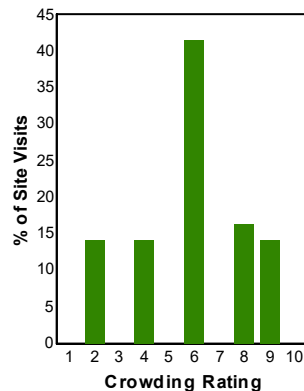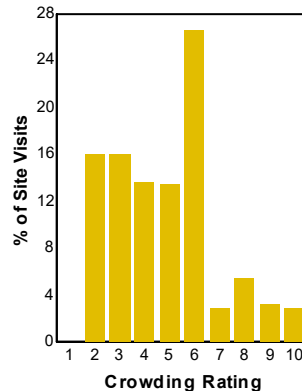
Day Use Developed Sites   **Overnight Use Developed Sites**   **Undeveloped Areas (GFAs)**   **Designated Wilderness**
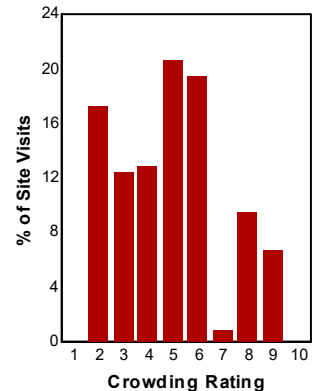
* A Site Visit is the entry of one person onto a national forest site or area to participate in recreation activities for an unspecified period of time.

† Survey respondents rated how crowded the site or area they were interviewed at was using a scale of 1 to 10 where 1 meant hardly anyone was there and 10 meant the site or area was overcrowded.

5.2. Disabilities

Providing barrier-free facilities for recreation visitors is an important part of facility and service planning and development. One question asked if anyone in their group had a disability. If so, the visitor was then asked if the facilities at the sites they visited were accessible for this person (Table 24).

Table 24. Accessibility of National Forest Facilities by Persons with Disabilities

Item	Percent
% of visits that include a group member with a disability	13.5
Of this group, percent who said facilities at site visited were accessible	93.6

6. WILDERNESS VISIT DEMOGRAPHICS

Visits to Wilderness are sometimes made by a particular subset of the overall visitor population . In this chapter, tables are presented that describe the demographic characteristics of those who visit designated wilderness on this forest. Table 25 shows the gender breakdown, Table 26 the racial and ethnicity distribution, and the Table 27 age composition. In Table 28, a frequency analysis of Zip Codes obtained from respondents is presented, to give a rough idea of the common origins of Wilderness visitors.

Table 25. Percent of Wilderness Site Visits* by Gender

Gender	Survey Respondents†	Wilderness Site Visits (%)‡
Female	125	41.7
Male	183	58.3
Total	**308**	**100.0**
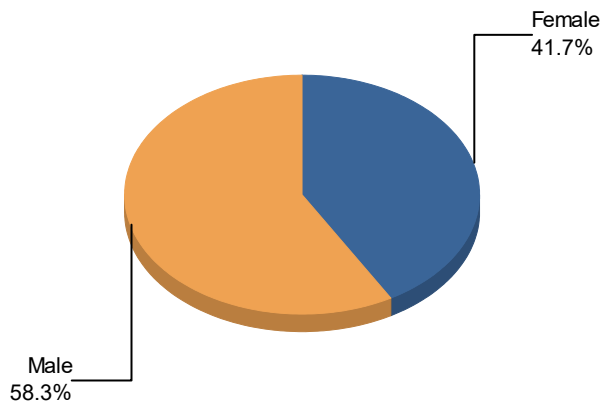
* A Site Visit is the entry of one person onto a National Forest site or area to participate in recreation activities for an unspecified period of time.

† Non-respondents to gender questions were excluded from analysis.

‡ Calculations are computed using weights that expand the sample of individuals to the population of Wilderness Site Visits.

Table 26. Percent of Wilderness Site Visits* by Race/Ethnicity

Race †	Survey Respondents‡	Wilderness Site Visits (%)§#
American Indian / Alaska Native	0	0.0
Asian	7	8.1
Black / African American	2	0.4
Hawaiian / Pacific Islander	0	0.0
White	117	93.3
Total	126	101.8

Ethnicity†	Survey Respondents‡	Wilderness Site Visits (%)§
Hispanic / Latino	1	1.9
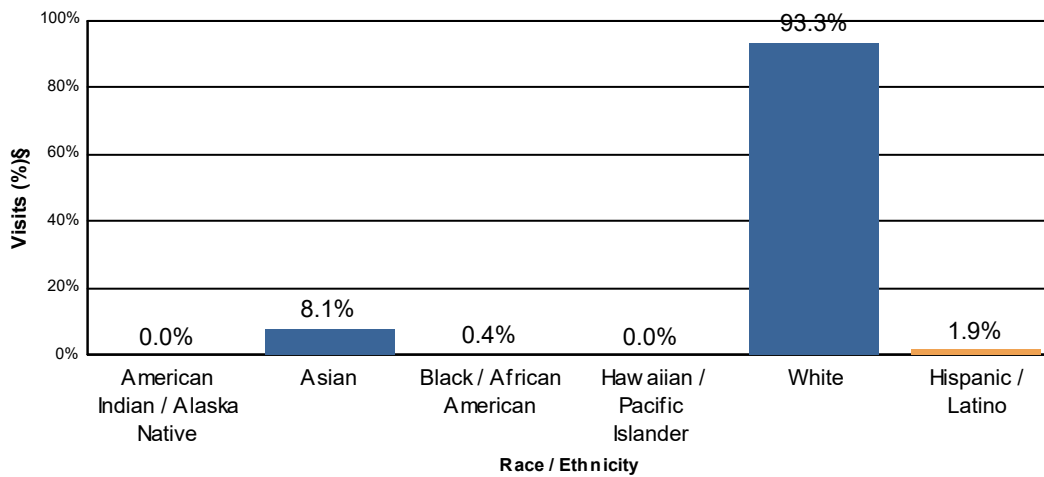
* A Site Visit is the entry of one person onto a National Forest site or area to participate in recreation activities for an unspecified period of time.

Respondents could choose more than one racial group, so the total may be more than 100%.

† Race and Ethnicity were asked as two separate questions.

‡ Non-respondents to race/ethnicity questions were excluded from analysis.

§ Calculations are computed using weights that expand the sample of individuals to the population of Wilderness Site Visits.

Table 27. Percent of Wilderness Site Visits* by Age

Age Class	Wilderness Site Visits (%)‡
Under 16	8.3
16-19	1.6
20-29	31.9
30-39	28.2
40-49	9.2
50-59	11.1
60-69	8.5
70+	1.1
Total	**99.9**
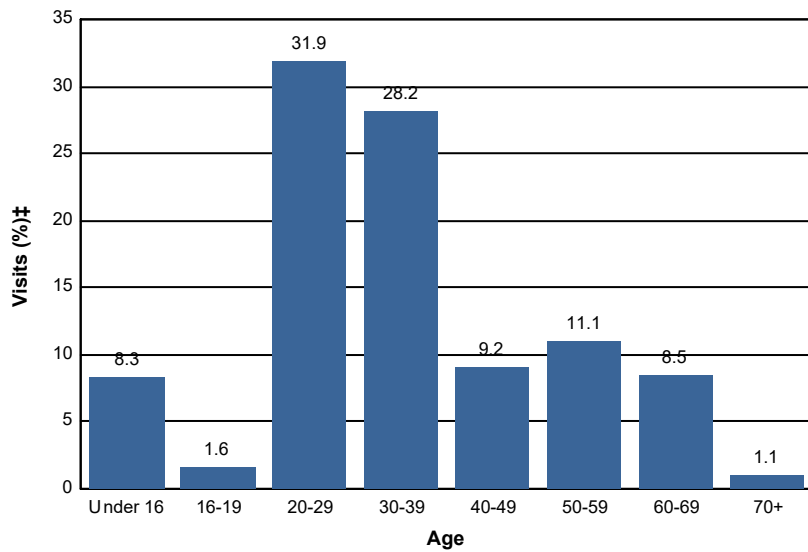
* A Site Visit is the entry of one person onto a National Forest site or area to participate in recreation activities for an unspecified period of time.

† Non-respondents to age questions were excluded from analysis.

‡ Calculations are computed using weights that expand the sample of individuals to the population of Wilderness Site Visits.

Table 28. Top 15 Most Commonly Reported ZIP Codes, States and Counties of Wilderness Survey Respondents

ZIP Code	State	County	Percent of Respondents	Survey Respondents (n)
20001	District of Columbia	District of Columbia	9.1	2
22206	Virginia	Arlington County	9.1	2
26554	West Virginia	Marion County	9.1	2
26847	West Virginia	Grant County	9.1	2
26287	West Virginia	Tucker County	9.1	2
26241	West Virginia	Randolph County	9.1	2
Foreign Country			9.1	2
43204	Ohio	Franklin County	4.5	1
24590	Virginia	Albemarle County	4.5	1
10541	New York	Putnam County	4.5	1
15207	Pennsylvania	Allegheny County	4.5	1
29037	South Carolina	Newberry County	4.5	1
19130	Pennsylvania	Philadelphia County	4.5	1
23058	Virginia	Henrico County	4.5	1
21046	Maryland	Howard County	4.5	1

* Includes respondents reporting no ZIP code or an invalid ZIP code.

7. APPENDIX TABLES

APPENDIX A - Complete List of ZIP Codes

Table A-1. ZIP Codes, States and Counties of National Forest Survey Respondents

ZIP Code	State	County	Percent of Respondents	Survey Respondents (n)
Unknown Origin*			2.0	14
26241	West Virginia	Randolph County	1.9	13
26206	West Virginia	Webster County	1.6	11
Foreign Country			1.6	11
26847	West Virginia	Grant County	1.5	10
26554	West Virginia	Marion County	1.2	8
26651	West Virginia	Nicholas County	1.0	7
26201	West Virginia	Upshur County	1.0	7
26205	West Virginia	Nicholas County	0.7	5
24901	West Virginia	Greenbrier County	0.7	5
26261	West Virginia	Nicholas County	0.7	5
26833	West Virginia	Grant County	0.7	5
26807	West Virginia	Pendleton County	0.7	5
26250	West Virginia	Barbour County	0.7	5
26855	West Virginia	Grant County	0.6	4
26330	West Virginia	Harrison County	0.6	4
26260	West Virginia	Tucker County	0.6	4
26525	West Virginia	Preston County	0.6	4
26273	West Virginia	Randolph County	0.6	4
26287	West Virginia	Tucker County	0.6	4
25840	West Virginia	Fayette County	0.6	4
26814	West Virginia	Pendleton County	0.6	4
25510	West Virginia	Cabell County	0.4	3
22601	Virginia	Winchester city	0.4	3
25419	West Virginia	Berkeley County	0.4	3
22206	Virginia	Arlington County	0.4	3
26202	West Virginia	Nicholas County	0.4	3
26764	West Virginia	Preston County	0.4	3
26301	West Virginia	Harrison County	0.4	3
24920	West Virginia	Pocahontas County	0.4	3
20009	District of Columbia	District of Columbia	0.4	3
26884	West Virginia	Pendleton County	0.4	3
26208	West Virginia	Webster County	0.4	3
24946	West Virginia	Pocahontas County	0.4	3
25302	West Virginia	Kanawha County	0.4	3
22801	Virginia	Harrisonburg city	0.4	3
26804	West Virginia	Pendleton County	0.4	3
25123	West Virginia	Mason County	0.4	3
26452	West Virginia	Lewis County	0.4	3
26416	West Virginia	Barbour County	0.4	3

26836	West Virginia	Hardy County	0.4	3
20007	District of Columbia	District of Columbia	0.3	2
20001	District of Columbia	District of Columbia	0.3	2
26337	West Virginia	Ritchie County	0.3	2
26264	West Virginia	Pocahontas County	0.3	2
24954	West Virginia	Pocahontas County	0.3	2
26203	West Virginia	Webster County	0.3	2
20010	District of Columbia	District of Columbia	0.3	2
45768	Ohio	Washington County	0.3	2
45714	Ohio	Washington County	0.3	2
25962	West Virginia	Fayette County	0.3	2
44903	Ohio	Richland County	0.3	2
26143	West Virginia	Wirt County	0.3	2
24970	West Virginia	Greenbrier County	0.3	2
16051	Pennsylvania	Butler County	0.3	2
26253	West Virginia	Randolph County	0.3	2
25253	West Virginia	Mason County	0.3	2
25504	West Virginia	Cabell County	0.3	2
25560	West Virginia	Putnam County	0.3	2
26419	West Virginia	Wetzel County	0.3	2
26508	West Virginia	Monongalia County	0.3	2
25701	West Virginia	Cabell County	0.3	2
21742	Maryland	Washington County	0.3	2
25303	West Virginia	Kanawha County	0.3	2
21782	Maryland	Washington County	0.3	2
43085	Ohio	Franklin County	0.3	2
22657	Virginia	Shenandoah County	0.3	2
20186	Virginia	Fauquier County	0.3	2
25846	West Virginia	Fayette County	0.3	2
25276	West Virginia	Roane County	0.3	2
24448	Virginia	Alleghany County	0.3	2
26505	West Virginia	Monongalia County	0.3	2
26726	West Virginia	Mineral County	0.3	2
26601	West Virginia	Braxton County	0.3	2
44601	Ohio	Stark County	0.3	2
25071	West Virginia	Kanawha County	0.3	2
25434	West Virginia	Morgan County	0.3	2
25550	West Virginia	Mason County	0.3	2
15120	Pennsylvania	Allegheny County	0.3	2
25271	West Virginia	Jackson County	0.3	2
25124	West Virginia	Putnam County	0.3	2
45385	Ohio	Greene County	0.3	2
21403	Maryland	Anne Arundel County	0.3	2
20152	Virginia	Loudoun County	0.3	2
21108	Maryland	Anne Arundel County	0.3	2
21218	Maryland	Baltimore city	0.3	2
21228	Maryland	Baltimore County	0.3	2
20148	Virginia	Loudoun County	0.3	2
26717	West Virginia	Mineral County	0.3	2
21713	Maryland	Washington County	0.3	2
25502	West Virginia	Mason County	0.3	2

26270	West Virginia	Randolph County	0.3	2
41101	Kentucky	Boyd County	0.3	2
26866	West Virginia	Pendleton County	0.3	2
43701	Ohio	Muskingum County	0.3	2
25951	West Virginia	Summers County	0.3	2
25309	West Virginia	Kanawha County	0.3	2
25312	West Virginia	Kanawha County	0.3	2
21144	Maryland	Anne Arundel County	0.3	2
22802	Virginia	Harrisonburg city	0.3	2
26802	West Virginia	Pendleton County	0.3	2
24175	Virginia	Botetourt County	0.3	2
26378	West Virginia	Lewis County	0.3	2
26582	West Virginia	Marion County	0.3	2
22602	Virginia	Frederick County	0.3	2
24966	West Virginia	Greenbrier County	0.3	2
37617	Tennessee	Sullivan County	0.1	1
53049	Wisconsin	Fond du Lac County	0.1	1
20193	Virginia	Fairfax County	0.1	1
15401	Pennsylvania	Fayette County	0.1	1
16678	Pennsylvania	Bedford County	0.1	1
25314	West Virginia	Kanawha County	0.1	1
24910	West Virginia	Greenbrier County	0.1	1
43204	Ohio	Franklin County	0.1	1
24590	Virginia	Albemarle County	0.1	1
26041	West Virginia	Marshall County	0.1	1
23237	Virginia	Chesterfield County	0.1	1
20004	District of Columbia	District of Columbia	0.1	1
21520	Maryland	Garrett County	0.1	1
10541	New York	Putnam County	0.1	1
15207	Pennsylvania	Allegheny County	0.1	1
26354	West Virginia	Taylor County	0.1	1
15224	Pennsylvania	Allegheny County	0.1	1
45245	Ohio	Clermont County	0.1	1
43203	Ohio	Franklin County	0.1	1
22407	Virginia	Spotsylvania County	0.1	1
20817	Maryland	Montgomery County	0.1	1
41102	Kentucky	Boyd County	0.1	1
25111	West Virginia	Clay County	0.1	1
29037	South Carolina	Newberry County	0.1	1
19130	Pennsylvania	Philadelphia County	0.1	1
23058	Virginia	Henrico County	0.1	1
21046	Maryland	Howard County	0.1	1
29731	South Carolina	York County	0.1	1
32726	Florida	Lake County	0.1	1
26753	West Virginia	Mineral County	0.1	1
43777	Ohio	Muskingum County	0.1	1
21222	Maryland	Baltimore County	0.1	1
49431	Michigan	Mason County	0.1	1
27278	North Carolina	Orange County	0.1	1
21703	Maryland	Frederick County	0.1	1
26103	West Virginia	Wood County	0.1	1

26278	West Virginia	Randolph County	0.1	1
22611	Virginia	Clarke County	0.1	1
45501	Ohio	Clark County	0.1	1
13028	New York	Oswego County	0.1	1
43783	Ohio	Perry County	0.1	1
44113	Ohio	Cuyahoga County	0.1	1
22015	Virginia	Fairfax County	0.1	1
24924	West Virginia	Pocahontas County	0.1	1
15218	Pennsylvania	Allegheny County	0.1	1
22308	Virginia	Fairfax County	0.1	1
26506	West Virginia	Monongalia County	0.1	1
08550	New Jersey	Mercer County	0.1	1
22853	Virginia	Rockingham County	0.1	1
25705	West Virginia	Cabell County	0.1	1
49525	Michigan	Kent County	0.1	1
17703	Pennsylvania	Lycoming County	0.1	1
22840	Virginia	Rockingham County	0.1	1
21031	Maryland	Baltimore County	0.1	1
28679	North Carolina	Watauga County	0.1	1
26059	West Virginia	Ohio County	0.1	1
25918	West Virginia	Raleigh County	0.1	1
01982	Massachusetts	Essex County	0.1	1
20011	District of Columbia	District of Columbia	0.1	1
24484	Virginia	Bath County	0.1	1
43779	Ohio	Noble County	0.1	1
25506	West Virginia	Lincoln County	0.1	1
26362	West Virginia	Ritchie County	0.1	1
23832	Virginia	Chesterfield County	0.1	1
49024	Michigan	Kalamazoo County	0.1	1
43778	Ohio	Guernsey County	0.1	1
26138	West Virginia	Wirt County	0.1	1
25523	West Virginia	Lincoln County	0.1	1
26681	West Virginia	Nicholas County	0.1	1
24450	Virginia	Lexington city	0.1	1
24477	Virginia	Augusta County	0.1	1
26180	West Virginia	Wood County	0.1	1
26447	West Virginia	Lewis County	0.1	1
40213	Kentucky	Jefferson County	0.1	1
15846	Pennsylvania	Elk County	0.1	1
20850	Maryland	Montgomery County	0.1	1
43055	Ohio	Licking County	0.1	1
43123	Ohio	Franklin County	0.1	1
45679	Ohio	Adams County	0.1	1
15216	Pennsylvania	Allegheny County	0.1	1
20874	Maryland	Montgomery County	0.1	1
26574	West Virginia	Marion County	0.1	1
22903	Virginia	Charlottesville city	0.1	1
19118	Pennsylvania	Philadelphia County	0.1	1
22630	Virginia	Warren County	0.1	1
20120	Virginia	Fairfax County	0.1	1
23117	Virginia	Louisa County	0.1	1

26621	West Virginia	Braxton County	0.1	1
16317	Pennsylvania	Venango County	0.1	1
26280	West Virginia	Randolph County	0.1	1
29414	South Carolina	Charleston County	0.1	1
23188	Virginia	James City County	0.1	1
36863	Alabama	Chambers County	0.1	1
25015	West Virginia	Kanawha County	0.1	1
28763	North Carolina	Macon County	0.1	1
24153	Virginia	Salem city	0.1	1
25848	West Virginia	Wyoming County	0.1	1
21136	Maryland	Baltimore County	0.1	1
21060	Maryland	Anne Arundel County	0.1	1
32233	Florida	Duval County	0.1	1
24503	Virginia	Lynchburg city	0.1	1
22204	Virginia	Arlington County	0.1	1
26559	West Virginia	Marion County	0.1	1
26293	West Virginia	Randolph County	0.1	1
26710	West Virginia	Mineral County	0.1	1
28602	North Carolina	Catawba County	0.1	1
44512	Ohio	Mahoning County	0.1	1
17224	Pennsylvania	Franklin County	0.1	1
27572	North Carolina	Durham County	0.1	1
15317	Pennsylvania	Washington County	0.1	1
45701	Ohio	Athens County	0.1	1
16105	Pennsylvania	Lawrence County	0.1	1
21733	Maryland	Washington County	0.1	1
26104	West Virginia	Wood County	0.1	1
26184	West Virginia	Wood County	0.1	1
26411	West Virginia	Doddridge County	0.1	1
26739	West Virginia	Grant County	0.1	1
21409	Maryland	Anne Arundel County	0.1	1
21231	Maryland	Baltimore city	0.1	1
20111	Virginia	Prince William County	0.1	1
08742	New Jersey	Ocean County	0.1	1
23451	Virginia	Virginia Beach city	0.1	1
45440	Ohio	Montgomery County	0.1	1
26542	West Virginia	Preston County	0.1	1
45211	Ohio	Hamilton County	0.1	1
22303	Virginia	Fairfax County	0.1	1
37920	Tennessee	Knox County	0.1	1
22121	Virginia	Fairfax County	0.1	1
22183	Virginia	Fairfax County	0.1	1
22947	Virginia	Albemarle County	0.1	1
21286	Maryland	Baltimore County	0.1	1
29053	South Carolina	Lexington County	0.1	1
40324	Kentucky	Scott County	0.1	1
25979	West Virginia	Summers County	0.1	1
24502	Virginia	Lynchburg city	0.1	1
20851	Maryland	Montgomery County	0.1	1
26222	West Virginia	Webster County	0.1	1
25045	West Virginia	Kanawha County	0.1	1

26571	West Virginia	Marion County	0.1	1
20833	Maryland	Montgomery County	0.1	1
16804	Pennsylvania	Centre County	0.1	1
13323	New York	Oneida County	0.1	1
44111	Ohio	Cuyahoga County	0.1	1
24073	Virginia	Montgomery County	0.1	1
17268	Pennsylvania	Franklin County	0.1	1
25802	West Virginia	Raleigh County	0.1	1
24801	West Virginia	McDowell County	0.1	1
17043	Pennsylvania	Cumberland County	0.1	1
26851	West Virginia	Hardy County	0.1	1
19602	Pennsylvania	Berks County	0.1	1
45227	Ohio	Hamilton County	0.1	1
45430	Ohio	Montgomery County	0.1	1
26679	West Virginia	Nicholas County	0.1	1
27023	North Carolina	Forsyth County	0.1	1
25425	West Virginia	Jefferson County	0.1	1
24740	West Virginia	Mercer County	0.1	1
40515	Kentucky	Fayette County	0.1	1
17404	Pennsylvania	York County	0.1	1
26636	West Virginia	Gilmer County	0.1	1
25126	West Virginia	Kanawha County	0.1	1
22803	Virginia	Harrisonburg city	0.1	1
15628	Pennsylvania	Westmoreland County	0.1	1
12051	New York	Greene County	0.1	1
53585	Wisconsin	Walworth County	0.1	1
42103	Kentucky	Warren County	0.1	1
15147	Pennsylvania	Allegheny County	0.1	1
25248	West Virginia	Jackson County	0.1	1
25132	West Virginia	Kanawha County	0.1	1
15102	Pennsylvania	Allegheny County	0.1	1
16635	Pennsylvania	Blair County	0.1	1
26662	West Virginia	Nicholas County	0.1	1
24874	West Virginia	Wyoming County	0.1	1
26209	West Virginia	Pocahontas County	0.1	1
20906	Maryland	Montgomery County	0.1	1
21122	Maryland	Anne Arundel County	0.1	1
20735	Maryland	Prince Georges County	0.1	1
20872	Maryland	Montgomery County	0.1	1
17320	Pennsylvania	Adams County	0.1	1
22193	Virginia	Prince William County	0.1	1
15209	Pennsylvania	Allegheny County	0.1	1
26263	West Virginia	Randolph County	0.1	1
43074	Ohio	Delaware County	0.1	1
44839	Ohio	Erie County	0.1	1
80305	Colorado	Boulder County	0.1	1
21061	Maryland	Anne Arundel County	0.1	1
15217	Pennsylvania	Allegheny County	0.1	1
19348	Pennsylvania	Chester County	0.1	1
20166	Virginia	Loudoun County	0.1	1
20005	District of Columbia	District of Columbia	0.1	1

20019	District of Columbia	District of Columbia	0.1	1
23038	Virginia	Goochland County	0.1	1
26257	West Virginia	Randolph County	0.1	1
15338	Pennsylvania	Greene County	0.1	1
21001	Maryland	Harford County	0.1	1
87059	New Mexico	Bernalillo County	0.1	1
15533	Pennsylvania	Bedford County	0.1	1
21501	Maryland	Allegany County	0.1	1
15683	Pennsylvania	Westmoreland County	0.1	1
25678	West Virginia	Mingo County	0.1	1
21093	Maryland	Baltimore County	0.1	1
26003	West Virginia	Ohio County	0.1	1
26385	West Virginia	Harrison County	0.1	1
20733	Maryland	Anne Arundel County	0.1	1
26711	West Virginia	Hampshire County	0.1	1
20110	Virginia	Manassas city	0.1	1
19380	Pennsylvania	Chester County	0.1	1
20112	Virginia	Prince William County	0.1	1
24440	Virginia	Augusta County	0.1	1
25043	West Virginia	Clay County	0.1	1
40047	Kentucky	Bullitt County	0.1	1
21014	Maryland	Harford County	0.1	1
24938	West Virginia	Greenbrier County	0.1	1
22195	Virginia	Prince William County	0.1	1
24149	Virginia	Montgomery County	0.1	1
23827	Virginia	Southampton County	0.1	1
21702	Maryland	Frederick County	0.1	1
40269	Kentucky	Jefferson County	0.1	1
22003	Virginia	Fairfax County	0.1	1
22207	Virginia	Arlington County	0.1	1
25832	West Virginia	Raleigh County	0.1	1
25414	West Virginia	Jefferson County	0.1	1
17238	Pennsylvania	Fulton County	0.1	1
26678	West Virginia	Nicholas County	0.1	1
20849	Maryland	Montgomery County	0.1	1
43344	Ohio	Union County	0.1	1
21795	Maryland	Washington County	0.1	1
22824	Virginia	Shenandoah County	0.1	1
24701	West Virginia	Mercer County	0.1	1
26181	West Virginia	Wood County	0.1	1
25082	West Virginia	Putnam County	0.1	1
23221	Virginia	Richmond city	0.1	1
15101	Pennsylvania	Allegheny County	0.1	1
15205	Pennsylvania	Allegheny County	0.1	1
45744	Ohio	Washington County	0.1	1
12072	New York	Montgomery County	0.1	1
22307	Virginia	Fairfax County	0.1	1
25311	West Virginia	Kanawha County	0.1	1
27539	North Carolina	Wake County	0.1	1
43146	Ohio	Pickaway County	0.1	1
24739	West Virginia	Mercer County	0.1	1

25427	West Virginia	Berkeley County	0.1	1
48819	Michigan	Ingham County	0.1	1
44857	Ohio	Huron County	0.1	1
20155	Virginia	Prince William County	0.1	1
20024	District of Columbia	District of Columbia	0.1	1
20175	Virginia	Loudoun County	0.1	1
25411	West Virginia	Morgan County	0.1	1
46804	Indiana	Allen County	0.1	1
99517	Alaska	Anchorage Borough	0.1	1
16148	Pennsylvania	Mercer County	0.1	1
43230	Ohio	Franklin County	0.1	1
26408	West Virginia	Harrison County	0.1	1
43302	Ohio	Marion County	0.1	1
21502	Maryland	Allegany County	0.1	1
26501	West Virginia	Monongalia County	0.1	1
22815	Virginia	Rockingham County	0.1	1
22901	Virginia	Albemarle County	0.1	1
16827	Pennsylvania	Centre County	0.1	1
21041	Maryland	Howard County	0.1	1
22830	Virginia	Rockingham County	0.1	1
06042	Connecticut	Hartford County	0.1	1
24531	Virginia	Pittsylvania County	0.1	1
21044	Maryland	Howard County	0.1	1
26101	West Virginia	Wood County	0.1	1
25159	West Virginia	Putnam County	0.1	1
26660	West Virginia	Nicholas County	0.1	1
34471	Florida	Marion County	0.1	1
22314	Virginia	Alexandria city	0.1	1
15431	Pennsylvania	Fayette County	0.1	1
26534	West Virginia	Monongalia County	0.1	1
34601	Florida	Hernando County	0.1	1
25286	West Virginia	Roane County	0.1	1
20716	Maryland	Prince Georges County	0.1	1
26743	West Virginia	Mineral County	0.1	1
21532	Maryland	Allegany County	0.1	1
25007	West Virginia	Raleigh County	0.1	1
20190	Virginia	Fairfax County	0.1	1
44304	Ohio	Summit County	0.1	1
22664	Virginia	Shenandoah County	0.1	1
07962	New Jersey	Morris County	0.1	1
45656	Ohio	Jackson County	0.1	1
21521	Maryland	Allegany County	0.1	1
25403	West Virginia	Berkeley County	0.1	1
25143	West Virginia	Kanawha County	0.1	1
43016	Ohio	Franklin County	0.1	1
22701	Virginia	Culpeper County	0.1	1
44256	Ohio	Medina County	0.1	1
26298	West Virginia	Webster County	0.1	1
22030	Virginia	Fairfax city	0.1	1
43718	Ohio	Belmont County	0.1	1
26033	West Virginia	Marshall County	0.1	1

26292	West Virginia	Tucker County	0.1	1
25801	West Virginia	Raleigh County	0.1	1
25177	West Virginia	Kanawha County	0.1	1
47532	Indiana	Dubois County	0.1	1
17070	Pennsylvania	Cumberland County	0.1	1
46350	Indiana	La Porte County	0.1	1
19962	Delaware	Kent County	0.1	1
15670	Pennsylvania	Westmoreland County	0.1	1
22936	Virginia	Albemarle County	0.1	1
24986	West Virginia	Greenbrier County	0.1	1
37409	Tennessee	Hamilton County	0.1	1
40069	Kentucky	Washington County	0.1	1
05461	Vermont	Chittenden County	0.1	1
25213	West Virginia	Putnam County	0.1	1
25825	West Virginia	Raleigh County	0.1	1
23219	Virginia	Richmond city	0.1	1
21128	Maryland	Baltimore County	0.1	1
43950	Ohio	Belmont County	0.1	1
27907	North Carolina	Pasquotank County	0.1	1
26405	West Virginia	Barbour County	0.1	1
23225	Virginia	Richmond city	0.1	1
44663	Ohio	Tuscarawas County	0.1	1
22031	Virginia	Fairfax County	0.1	1
22201	Virginia	Arlington County	0.1	1
43915	Ohio	Monroe County	0.1	1
24944	West Virginia	Pocahontas County	0.1	1
25064	West Virginia	Kanawha County	0.1	1
41073	Kentucky	Campbell County	0.1	1
21787	Maryland	Carroll County	0.1	1
25901	West Virginia	Fayette County	0.1	1
25285	West Virginia	Clay County	0.1	1
43748	Ohio	Perry County	0.1	1
24019	Virginia	Roanoke County	0.1	1
45750	Ohio	Washington County	0.1	1
26234	West Virginia	Upshur County	0.1	1
25526	West Virginia	Putnam County	0.1	1
15451	Pennsylvania	Fayette County	0.1	1
96001	California	Shasta County	0.1	1
26254	West Virginia	Tucker County	0.1	1
15370	Pennsylvania	Greene County	0.1	1
26147	West Virginia	Calhoun County	0.1	1
27214	North Carolina	Guilford County	0.1	1
20878	Maryland	Montgomery County	0.1	1
26631	West Virginia	Braxton County	0.1	1
21157	Maryland	Carroll County	0.1	1
17257	Pennsylvania	Cumberland County	0.1	1
29501	South Carolina	Florence County	0.1	1
25812	West Virginia	Fayette County	0.1	1
25813	West Virginia	Raleigh County	0.1	1
16372	Pennsylvania	Venango County	0.1	1
45268	Ohio	Hamilton County	0.1	1

24422	Virginia	Clifton Forge city	0.1	1
26731	West Virginia	Grant County	0.1	1
26537	West Virginia	Preston County	0.1	1
22034	Virginia	Fairfax County	0.1	1
24060	Virginia	Montgomery County	0.1	1
22843	Virginia	Augusta County	0.1	1
20141	Virginia	Loudoun County	0.1	1
15601	Pennsylvania	Westmoreland County	0.1	1
25287	West Virginia	Mason County	0.1	1
24401	Virginia	Staunton city	0.1	1
44241	Ohio	Portage County	0.1	1
19082	Pennsylvania	Delaware County	0.1	1
25976	West Virginia	Fayette County	0.1	1
40065	Kentucky	Shelby County	0.1	1
75006	Texas	Dallas County	0.1	1
21784	Maryland	Carroll County	0.1	1

* Includes respondents reporting no ZIP code or an invalid ZIP code.

APPENDIX B - Detailed Satisfaction Results

Table B-1. Satisfaction for Visits to Day Use Developed Sites

Satisfaction Element	Percent Rating Satisfaction as:					Mean Rating§	Mean Importance†	No. Obs‡
	Very Dissatisfied	Somewhat Dissatisfied	Neither Satisfied nor Dissatisfied	Somewhat Satisfied	Very Satisfied			
Restroom Cleanliness	2.7	12.7	11.0	19.5	54.1	4.1	4.5	76
Developed Facilities	0.0	0.2	1.9	13.4	84.5	4.8	4.8	90
Condition of Environment	0.0	0.0	0.0	9.6	90.4	4.9	4.9	103
Employee Helpfulness	0.0	0.4	0.0	7.2	92.3	4.9	4.5	38
Interpretive Displays	0.0	3.6	1.1	10.0	85.3	4.8	4.5	92
Parking Availability	0.0	0.1	1.5	4.4	94.0	4.9	4.6	102
Parking Lot Condition	0.0	0.0	0.3	15.0	84.7	4.8	4.0	103
Rec. Info. Availability	1.7	0.0	3.9	20.0	74.4	4.7	4.7	96
Road Condition	0.0	3.8	5.0	6.0	85.1	4.7	4.7	93
Feeling of Satefy	0.0	0.0	3.9	1.6	94.5	4.9	4.6	98
Scenery	0.0	0.0	0.0	7.1	92.9	4.9	4.9	103
Signage Adequacy	0.0	0.0	1.6	7.5	90.9	4.9	4.7	101
Trail Condition	0.0	0.0	0.0	3.1	96.9	5.0	4.8	77
Value for Fee Paid	0.0	0.0	0.9	3.9	95.2	4.9	4.8	13

NOTE: The data was not reported for items with fewer than 10 responses. Satisfaction and Importance were asked as two separate questions so one of these may have 10 responses even though the other does not.

§ Scale: Very Dissatisfied = 1, Somewhat Dissatisfied = 2, Neither Satisfied nor Dissatisfied = 3, Somewhat Satisfied = 4, Very Satisfied = 5

† Scale: Not Important = 1, Somewhat Important = 2, Moderately Important = 3, Important = 4, Very Important = 5

‡ No. Obs is the number of survey respondents who responded to this item.

Table B-2. Satisfaction for Visits to Overnight Developed Sites

Satisfaction Element	Percent Rating Satisfaction as:					Mean Rating§	Mean Importance†	No. Obs‡
	Very Dissatisfied	Somewhat Dissatisfied	Neither Satisfied nor Dissatisfied	Somewhat Satisfied	Very Satisfied			
Restroom Cleanliness	0.1	12.2	0.0	16.4	71.3	4.5	4.6	16
Developed Facilities	0.0	0.0	15.0	0.1	84.9	4.7	4.7	12
Condition of Environment	0.0	0.0	11.9	2.1	86.0	4.7	5.0	17
Employee Helpfulness	0.0	0.0	0.0	0.1	99.9	5.0	5.0	10
Interpretive Displays	0.0	0.0	0.0	19.7	80.3	4.8	4.7	14
Parking Availability	0.0	0.0	2.1	2.1	95.9	4.9	4.5	17
Parking Lot Condition	0.0	0.0	2.1	4.1	93.8	4.9	4.4	17
Rec. Info. Availability	0.0	0.0	12.8	17.1	70.0	4.6	4.5	14
Road Condition	0.0	0.0	4.1	28.0	67.8	4.6	4.5	16
Feeling of Satefy	0.0	0.0	0.1	13.6	86.3	4.9	5.0	17
Scenery	0.0	0.0	0.0	23.9	76.1	4.8	4.6	17
Signage Adequacy	0.0	0.0	12.2	40.5	47.3	4.4	4.8	16
Trail Condition								8
Value for Fee Paid	0.0	0.0	0.0	2.2	97.8	5.0	4.6	15

NOTE: The data was not reported for items with fewer than 10 responses. Satisfaction and Importance were asked as two separate questions so one of these may have 10 responses even though the other does not.

§ Scale: Very Dissatisfied = 1, Somewhat Dissatisfied = 2, Neither Satisfied nor Dissatisfied = 3, Somewhat Satisfied = 4, Very Satisfied = 5

† Scale: Not Important = 1, Somewhat Important = 2, Moderately Important = 3, Important = 4, Very Important = 5

‡ No. Obs is the number of survey respondents who responded to this item.

Table B-3. Satisfaction for Visits to Undeveloped Areas (GFAs)

Satisfaction Element	Percent Rating Satisfaction as:					Mean Rating§	Mean Importance†	No. Obs‡
	Very Dissatisfied	Somewhat Dissatisfied	Neither Satisfied nor Dissatisfied	Somewhat Satisfied	Very Satisfied			
Restroom Cleanliness	0.0	0.6	0.0	26.9	72.4	4.7	4.1	13
Developed Facilities	0.0	0.0	0.0	23.0	77.0	4.8	4.2	22
Condition of Environment	0.0	0.0	0.0	16.2	83.8	4.8	4.5	49
Employee Helpfulness	0.0	0.0	7.7	15.4	76.9	4.7	4.1	13
Interpretive Displays	0.0	7.6	15.4	22.7	54.3	4.2	4.0	32
Parking Availability	3.3	3.3	18.7	40.1	34.6	4.0	4.0	43
Parking Lot Condition	0.0	4.2	8.3	27.8	59.7	4.4	3.9	35
Rec. Info. Availability	8.7	2.9	14.7	26.1	47.5	4.0	4.1	40
Road Condition	5.9	15.6	3.1	40.4	35.0	3.8	4.5	46
Feeling of Satefy	0.0	0.0	2.9	8.8	88.3	4.9	3.8	45
Scenery	0.0	0.0	0.0	10.6	89.4	4.9	4.4	49
Signage Adequacy	0.0	2.8	17.0	22.6	57.6	4.4	4.3	45
Trail Condition	3.6	0.0	7.6	22.7	66.1	4.5	4.4	33
Value for Fee Paid	0.0	0.0	0.0	44.1	55.9	4.6	4.0	10

NOTE: The data was not reported for items with fewer than 10 responses. Satisfaction and Importance were asked as two separate questions so one of these may have 10 responses even though the other does not.

§ Scale: Very Dissatisfied = 1, Somewhat Dissatisfied = 2, Neither Satisfied nor Dissatisfied = 3, Somewhat Satisfied = 4, Very Satisfied = 5

† Scale: Not Important = 1, Somewhat Important = 2, Moderately Important = 3, Important = 4, Very Important = 5

‡ No. Obs is the number of survey respondents who responded to this item.

Table B-4. Satisfaction for Visits to Designated Wilderness*

Satisfaction Element	Percent Rating Satisfaction as:					Mean Rating§	Mean Importance†	No. Obs‡
	Very Dissatisfied	Somewhat Dissatisfied	Neither Satisfied nor Dissatisfied	Somewhat Satisfied	Very Satisfied			
Restroom Cleanliness								7
Developed Facilities								6
Condition of Environment	0.0	13.5	0.0	30.7	55.8	4.3	4.9	35
Employee Helpfulness								2
Interpretive Displays	0.5	0.0	12.2	47.2	40.1	4.3	3.8	29
Parking Availability	6.1	31.6	20.5	2.8	39.0	3.4	4.7	34
Parking Lot Condition	0.0	0.0	11.6	21.5	66.9	4.6	3.6	35
Rec. Info. Availability	6.8	0.0	5.8	13.2	74.2	4.5	4.3	35
Road Condition	6.1	20.3	7.0	33.5	33.0	3.7	4.7	34
Feeling of Satefy	0.4	0.0	1.0	2.5	96.0	4.9	4.4	32
Scenery	0.0	0.0	6.2	6.2	87.6	4.8	4.9	35
Signage Adequacy	6.8	0.4	12.0	7.4	73.4	4.4	4.4	35
Trail Condition	0.0	13.3	16.1	27.8	42.8	4.0	4.9	34
Value for Fee Paid								0

NOTE: The data was not reported for items with fewer than 10 responses. Satisfaction and Importance were asked as two separate questions so one of these may have 10 responses even though the other does not.

§ Scale: Very Dissatisfied = 1, Somewhat Dissatisfied = 2, Neither Satisfied nor Dissatisfied = 3, Somewhat Satisfied = 4, Very Satisfied = 5

† Scale: Not Important = 1, Somewhat Important = 2, Moderately Important = 3, Important = 4, Very Important = 5

‡ No. Obs is the number of survey respondents who responded to this item.

* Data supplied is for all Designated Wilderness on the forest combined. Data was not collected for satisfaction for each individual Wilderness on the forest.