

Grand Canyon National Park & Northern Arizona Tourism Study

Final Report 565

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16. Abstract <p>As Arizona's premier attraction, Grand Canyon National Park averages approximately 4.5 million visitors a year. Motor vehicles are the main travel mode for the vast majority of these visitors. Thus, GCNP visitors have an enormous impact on highways and transportation corridors throughout Arizona, especially northern Arizona. The exact nature of this visitor impact, however, especially overall regional travel patterns, has not been studied for many years. A 12-month scientific survey was conducted by the Arizona Hospitality Research and Resource Center (AHRRC) at Northern Arizona University – the first in-depth GCNP survey in more than a decade. More than 7,800 visitors at both the North and South Rims were surveyed.</p> <p>The transportation section of the GCNP visitor survey produced data on visitors' highway usage and travel patterns, including: travel mode; state-entry points and park-entrance roads used; overall trip miles traveled in Arizona; roads traveled and towns visited; length of stay/overnights in communities; visitor perceptions of the quality, safety and congestion of Arizona highways; visitor perceptions of the clarity and effectiveness of highway signage; availability of traveler amenities; and, perceptions of the frequency and quality of northern Arizona rest stops. This research will increase knowledge of GCNP visitors' travel patterns and road usage. Correlations were run between transportation responses and other survey data (demographics, origins, etc.) to define further visitors' travel patterns and transportation needs.</p> <p>This research will help ADOT develop transportation strategies to improve the overall efficiency of the Arizona highway transportation system (focusing on northern Arizona), reduce environmental impacts, plan infrastructure investments, provide efficient access, and craft development patterns. Information is essential to inform decision-makers at all levels – federal, state and local – on issues regarding visitor travel patterns on Arizona roadways, as well as overall use and allocation of TEA-21 funds, with special attention to national park and tourism/visitor usage. The process owner will be the Transportation Planning Division of ADOT.</p>					
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EXECUTIVE SUMMARY

The *Grand Canyon National Park & Northern Arizona Tourism Study* has many findings that will assist the Arizona Department of Transportation (ADOT) in its research and planning efforts. The four to five million people who visit Grand Canyon National Park each year have a major impact on the state's highways, and likewise their trip satisfaction is affected by the condition of these highways.

This report summarizes the results of a yearlong stratified random sample of 7,800 Grand Canyon visitors who completed a short intercept survey in the park, and 4,500 visitors who completed an in-depth 16-page visitor survey.

Findings:

- More than two-thirds of survey respondents (69.3%) entered GCNP at the main South Gate in Tusayan, while 16.7 percent entered at the North Rim, and 14.0 percent entered the park at the East Gate.
- Travel party size averaged 3.4 people, with 75 percent of all parties composed of adults over age 45; only 23.4 percent of parties traveled with children under age 18.
- Well over half of all respondents (59.0%) were college graduates – a more highly educated group than the U.S. population generally.
- Fifty-nine percent of respondents were first-time visitors to the Grand Canyon, while 41 percent had visited the park previously.
- In terms of origin, 85 percent of respondents were of domestic origin. The largest single cohort of visitors came from California (12.5%), followed by Arizona (9.1%), along with residents from Texas (4.9%), Florida (3.5%), and New York (3.3%). Rounding out the top 10 states were: Ohio, Illinois, Pennsylvania, Colorado and Washington. These 10 states accounted for 47 percent of all visitors.
- Fifteen percent of respondents were of foreign origin, led by the United Kingdom (25.1%), Canada (23.0%), Germany (12.9%), the Netherlands (7.8%), and Australia (7.2%). Rounding out the top 10 countries were: France, Italy, Belgium, New Zealand and Denmark. These 10 countries accounted for 88.6 percent of all foreign visitors.
- The most common mode of transportation, by far, was the automobile, with 59.7 percent driving a private vehicle and 37.4 percent driving a rental car. Other travel modes included: commercial airlines (16.4%), private recreational vehicles (RVs) (6.1%), the Grand Canyon Railway (4.9%), commercial bus tours (2.9%), rental RVs (1.7%), or motorcycles (1.4%), and Amtrak (0.7%). [Because visitors used multiple means to reach the park, totals do not sum to 100%.]

- Correlating the subset of first-time visitors to GCNP with travel mode, found that visitors were *more likely* to use a rental car (42.1%) or a commercial airline (18.1%) to reach the park than was the overall sample.
- The North Rim led in private vehicle use – 64.7 percent at the North Rim vs. 61.5 percent at the South Rim – while the South Gate led in rental vehicle use – 37.4 percent at the South Rim vs. 31.7 percent at the North Rim. The South Rim also led in respondents using commercial airlines for part of their visit – 16.7 percent at the South Rim vs. 12.3 percent at the North Rim.
- Correlating transportation mode with whether the trip was *planned*, found that GCNP was overwhelmingly (72.0%) *not a planned destination* for respondents traveling in private vehicles. Those in rental vehicles, however, were more likely to visit GCNP as part of a planned multi-stop trip (40.9%) than as a primary destination (32.1%). Finally, those who traveled by commercial airline were most likely to visit GCNP as a primary destination (18.8%) vs. a multi-stop trip (15.6%).
- The average total miles driven in Arizona by respondents on their GCNP trip was a full 791 miles.
- More visitors traveled on Interstate 40 (60.1%) than on any other Arizona highway, followed by:
 - State Highway 89 (Flagstaff to Cameron to Utah) at 46.6 percent.
 - State Route 64 (Williams to GCNP) at 44.1 percent.
 - State Route 64 (Cameron to GCNP East Gate) at 41.5 percent.
 - State Route 180 (Flagstaff to GCNP) at 39.7 percent.
 - Interstate 17 (Phoenix to Flagstaff) at 35.0 percent.
- Correlating roads traveled with visitor origins produced the following results:
 - California visitors were most likely to use Interstate 40 and State Route 64 from Williams to GCNP
 - Arizona in-state visitors were most likely to use Interstate 17 and US 89 from Flagstaff to Cameron.
 - Texas visitors were most likely to use Interstate 40 and State Route 180 out of Flagstaff.
 - New York visitors were most likely to use Interstate 17 and State Route 180.
 - Ohio visitors were most likely to use Interstate 17 and US 89 north from Flagstaff to Cameron. [These latter two indicate air flights into Phoenix.]
- Correlating origin with rental cars found that Las Vegas was the origin of more rental cars on Interstate 40 than was Phoenix; Arizona rentals predominated on Interstate 17; Las Vegas rental cars dominated on State Route 64 from Williams

- to GCNP; and rental cars obtained in California were most likely found on Interstate 40.
- Correlating where visitors spent the night *before the GCNP visit* with roads traveled, found that Flagstaff dominated all other locales as the most popular overnight community, while Williams ranked second.
 - Conducting the same correlation for the most popular overnight community *after the GCNP visit*, found that Flagstaff dominated in most categories, although Las Vegas emerged as most popular overnight destination for travelers on Interstate 40 and Route 64 out of Williams.
 - The survey found that GCNP visitors have generally favorable opinions of the Arizona state highway system. On no measure did the mean fall below 3.0, based on a 5-point scale, where 1 is “very poor” and 5 is “excellent,” as follows:
 - *Quality* of Arizona highways achieved the highest mean score at 4.1.
 - *Safety* of Arizona highways earned a mean of 4.0.
 - *Highway signage* earned a mean of 3.9.
 - *Traveler amenities* earned a mean of 3.5.
 - *Rest stop quality* ranked a mean of 3.4.
 - *Rest stop frequency* earned the lowest mean score of 3.1.
 - Correlating origin state with the above highway quality measures, found that residents of relatively small states gave Arizona’s highways the highest rankings (e.g., Washington, D.C., Alaska, Wyoming, West Virginia, Rhode Island), while Arizona’s neighbors – Nevada and New Mexico – rendered the lowest highway quality ratings. (Since when are Alaska and Wyoming small states?)
 - Correlating respondent age with highway quality measures, found that older visitors were slightly more inclined to rate rest stop *frequency* and rest stop *quality* lower.
 - Correlating quality of the highway system with GCNP entrance gates used, found that East Gate visitors rated rest stop quality and traveler amenities slightly lower than did those who entered the park at the South or North Rim gates.
 - The vast majority of GCNP visitors did not think that Arizona highways were congested; 59 percent found them either “not at all congested” or “uncongested.” Only 10 percent thought they were either “congested” or “very congested.” Correlations of visitor origin and congestion found equally “uncongested” ratings.
 - When highway congestion was correlated with GCNP entrance gates used, both the main Tusayan and East gates on the South Rim were considered more congested than the North Rim gate.
 - More respondents who used a commercial airline flew into Phoenix Sky Harbor Airport (44.3%) than into Las Vegas’ McCarran Airport (37.5%) – totaling 82 percent, these two airports dominated all others used.

- Correlating airport with GCNP entry gate found that visitors entering the park's South Gate were far more likely to have flown into Phoenix (56.9%) than into Las Vegas (30.2%). Entrants at the North Rim, however, were more than twice as likely to have flown into Las Vegas (54.6%) as Phoenix (23.8%).
- Respondents whose transportation included a commercial air flight stayed a longer number of *hours* in the park than the overall sample of visitors (9.6 hours for air vs. 7.3 hours for total sample; conversely, air flight visitors stayed a shorter number of total *days* (4.8 for air visitors vs. 5.3 days for total sample).
- Both domestic and international visitors were more likely to have flown into Phoenix than Las Vegas – 55.4percent vs. 39.7percent for Phoenix domestic vs. international; and, 32.5percent vs. 30.4percent for Las Vegas domestic vs. international.
- Correlating trip purpose with airport used found the following:
 - Phoenix Sky Harbor (41.4%) led Las Vegas McCarran (25.0%) when GCNP was the primary destination of visitors.
 - Las Vegas airport (37.0%) led Phoenix airport (35.2%) as the entry point when visitors were seeing a number of attractions in the area.
 - When trip purpose was to visit friends and relatives Phoenix (50.0%) overwhelmed Las Vegas (25%); and finally,
 - When business/convention was the main trip purpose Las Vegas (75%) blew Phoenix away (25%).
- In terms of travel plans, the survey found the following airport choices:
 - Phoenix Sky Harbor was the top choice (56.4%) for those for whom GCNP was the primary destination.
 - Phoenix airport (35.8%) was also the top choice in the region for those who saw GCNP as one planned stop on a longer trip.
 - However, Las Vegas McCarran (50%) was the top airport choice of those for whom the GCNP visit was *not a planned destination* of their trip – thus, confirming Las Vegas is a major feeder market for the Grand Canyon.
- Flagstaff and Williams were the clear leaders for communities where GCNP visitors spent the night *before* their park visit. In fact, more than 52.3 percent of all visitors spent the night before their GCNP visit in an Arizona community.
- Las Vegas led as the single most-used community (12.7%) for *after*-park overnight stays, although Arizona communities combined captured 59 percent of total after-park overnight stays.
- When asked if getting to and from the park on Arizona roadways had a positive, negative, or no effect on their trip, the vast majority (71.2%) indicated that the trip had “no effect” on their visit. On the bright side, almost one-fourth (23.7%) said

the trip had “added to their visit,” while only 5.1 percent said the road experience “detracted from the visit.”

- Visitors were asked about the likelihood of their using public transportation if it was instituted at GCNP. The largest contingent (38.1%) said they were “unlikely” to use it; another third (32.3%) were “likely to use if free”; 17 percent were “not sure”, and 12.5 percent were likely to use public transport if “moderately priced.”
- When given a choice of various places to park their car and then use public transportation, 65.6 percent said they would park in Tusayan and ride a shuttle bus; 66.4 percent would park in Tusayan and ride light rail; 51.6 percent would park in Williams and ride a high speed train; but only 22.5 percent would park in Flagstaff and ride public transportation. [Does not sum to 100% due to multiple responses.]
- Querying what other communities were visited in conjunction with the GCNP trip, found the following:
 - Visitors using Interstate 40 also visited Las Vegas, Flagstaff, Williams, Sedona and the Navajo Nation.
 - Travelers on US 89 also visited Las Vegas, Flagstaff, the Navajo Nation and Page.
 - Visitors using Interstate 17 also visited Sedona and Flagstaff.
- Finally, visitors offered a number of suggestions for the GCNP park superintendent that related to traffic and park crowding issues. In descending order of importance they had to do with: lack of parking spaces; too much vehicle traffic; need for public transportation; general congestion and crowding; road/transportation issues; directional signage improvements; and, finally rim travel and general access suggestions.

INTRODUCTION

The Grand Canyon National Park & Northern Arizona Tourism Study is a year-long collaborative research project to learn more about visitors to Grand Canyon National Park and the Northern Arizona region. The Arizona Hospitality Research and Resource Center (AHRRC) at Northern Arizona University (NAU) joined with the National Park Service (NPS), Grand Canyon National Park (GCNP), the Arizona Department of Transportation (ADOT), The Arizona Office of Tourism (AOT), the Grand Canyon Railway (GCR), and other tourism-related entities throughout Northern Arizona to collect data about Grand Canyon visitors.

The four to five million visitors who travel to GCNP each year have an enormous impact on the park and on the entire Northern Arizona region. Information about park visitor experiences, travel activities, and trip perceptions were gathered to assist the park to manage and serve visitors better and to increase understanding about the effects of GCNP visitors on the region. While the survey instrument had many park-specific questions, it also contained questions about the tourist experience generally in Northern Arizona. Among these questions were questions of particular interest to ADOT, related specifically to regional transportation and travel patterns. These transportation-related questions provide the foundation for this final annual report, which covers the entire 12 months of surveying, beginning in September 2003 and ending August 2004.

While this report focuses on the transportation-related questions included in the survey, correlations of these questions' findings with others in the survey were included to provide insights to ADOT that might be helpful for transportation planning purposes.

METHODS

The following is a brief methods section outlining how the study was conducted. This was a year-long survey of GCNP visitors. The length of time taken for this study is one of its greatest strengths, as normally NPS visitor surveys are conducted by the Social Science Division of the National Park Service during a single week of the year, usually during the busiest season, and commonly in summer. However, such a brief survey period produces only a snapshot of a park's visitors, which for a park with as large and varied visitation as Grand Canyon is insufficient to provide the detailed, cross-sectional and seasonal data needed for a thorough analysis. It was, therefore, imperative that a 12-month study be conducted to provide comprehensive, as well as seasonal data, to account for variations in length of stay, economic impact, and travel patterns.

This survey was administered to visitors inside GCNP, at both the North and South Rims and at the East Gate. Survey workers intercepted visitors at park locations during one week out of each month, including both weekday and weekend day intercepts, in order to obtain truly representative samples. Survey personnel were trained to use pre-determined visitor selection criteria. Visitors were approached either at a traffic stop, at

parking lots inside the park, or at the park's Visitor Centers on the South and North Rims and asked to participate in the survey. Once visitors agreed, survey personnel handed them an intercept survey on a clipboard, and asked them to complete all the information contained on the survey. The intercept instrument was designed to collect basic identification data including visitors' names, addresses and origin data. Once visitors completed the intercept survey, they were handed the 16-page mail-back survey. Survey respondents were encouraged to complete the mail-back after leaving the park so that their entire park experience could be evaluated. Once respondents completed the survey, they dropped the postage-paid sealed survey into the nearest U.S. mailbox, by which it was returned to the AHRRC for automated data processing and analysis.

In order to achieve the desired 65 percent survey response rate, a rigorous follow-up procedure was implemented for each respondent. Respondents whose mail-back surveys were not returned within two weeks of the survey period, were sent a reminder/thank you postcard. The purpose of this postcard was two-fold: (1) it served to thank those who had responded; and (2) to jog the memory of those who had not yet completed the survey to return it forthwith. If the postcard did not produce the desired return rate within four weeks after the initial interview, a replacement survey and follow-up letter were mailed. Respondents who did not respond to the first mailing were sent a second follow-up survey packet encouraging them to return the completed questionnaire within seven weeks of the initial intercept. By using this modified Dillman approach, a response rate near 65 percent was achieved for this survey. (Dillman is the "gold standard" in methodology for obtaining high survey response rates.) The margin of error for the total sample is 1.5 percentage points at a 95 percent confidence level. The margin of error for sub-samples will be higher.

GRAND CANYON NATIONAL PARK: SAMPLE DESCRIPTION

As mentioned in the previous section, respondents were first asked to complete a short intercept survey, which was retained and provided immediate visitor data for entry by the AHRRC staff. After completing the seven-question intercept survey, respondents were provided with a more extensive postage-paid mail-back survey to be completed after leaving the park. Data were obtained, therefore, from two sources: the intercept and the mail-back surveys. Because of the nature of the study and the follow-up necessary to obtain a sufficient sample size, more intercept surveys are present in the database, in any given quarter, than are mail-back surveys. For the final report (September 2003 through August 2004), intercept surveys totaled 7,827 and mail-back surveys totaled 4,476, yielding a 58 percent response rate. The next section of this report reviews the intercept data to provide an overview of GCNP visitor characteristics for the survey. In the transportation data analysis that follows, data will often be correlated with matching respondent data from the intercept survey. An analysis of the intercept data for the total survey is included here to show overall visitor characteristics and parameters to define the sample.

INTERCEPT DATA

The intercept survey asked respondents to name the gate at which they entered the GCNP. A majority of visitors (69.3%) entered at the main South Gate, located just north of the gateway community of Tusayan. North Rim visitors (16.7%), entering the park via State Route 89, comprised the second largest cohort. A smaller percentage of visitors (14.0%) entered the park at the East Gate Desert View entrance during the survey. See Table 1.

Table 1. At what entrance station did you arrive at Grand Canyon National Park?

	Frequency	Valid Percent	Cumulative Percent
South Gate (Tusayan)	3921	69.3	69.3
East gate (Desert View)	793	14.0	83.3
North Rim	946	16.7	100.0
Total	5660	100.0	

Intercept respondents were asked to provide data on their party size. The average travel party consisted of 3.4 people. Travel parties were heavily weighted toward adults, with an average of 2.8 adults per party and 1.0 child per party, although less than one-quarter (23.4%) of all parties traveled with children. The largest party with children contained 11 children, whereas the average party traveling with children contained two children. The largest single party of adults consisted of one party of 64 adults, while the median party consisted of two adults. Females and males were evenly split in travel party composition over the length of the study with the average party containing 1.9 males to 1.9 females. See Table 2.

Table 2. Party Composition Table

	Mean	Median
Number of men	1.9	1.0
Number of women	1.9	1.0
Number of children (under 18)	1.0	0.0
Number of adults	2.8	2.0
Number in your travel party	3.4	2.0

In terms of age, respondents averaged 48 years. Table 3 shows the following:

- The largest single group, comprised of those between 46 and 65 years, accounted for half of all respondents (50.5%).
- The oldest visitors, those 66 years or older, accounted for 24.5 percent of the sample.
- Those aged between 26 and 45 years made up 23.9 percent of visitors.

- Younger respondents, those under 25 years of age, made up a disproportionately small (1.2%) percentage of the sample.

When combined, visitors over 46 years of age accounted for three-fourths (75%) of all visitors to the Grand Canyon. See Table 3.

Table 3. What is your age?

	%
< 25 years old	1.2%
26 to 45 years old	23.9%
46 to 65 years old	50.5%
66 years or older	24.5%
Total	100.0%

In terms of education, respondents were well-educated. More than half the sample (59.0%) had either a Bachelor's or graduate degree. Slightly more than one-fourth (26.1%) had attended college for less than four years, while a smaller 14.9 percent had a high school diploma or less. Overall, GCNP visitors are a well-educated group – more so than the U.S. adult population generally. See Table 4.

Table 4. What is the highest level of education you have completed?

	Frequency	Valid Percent	Cumulative Percent
High school or less	854	14.9	14.9
Attended College (less than 4 years)	1498	26.1	40.9
Graduated from a 4-year college	1424	24.8	65.7
Post-graduate study without degree	490	8.5	74.2
Master degree	1112	19.4	93.6
Doctorate	368	6.4	100.0
Total	5746	100.0	

More than half of all visitors surveyed with the intercept (58.6%) were first-time visitors to the Grand Canyon. A further 41.4 percent had visited the Grand Canyon at least once before. See Table 5.

Table 5. Is this your first trip to Grand Canyon National Park?

	Frequency	Valid Percent	Cumulative Percent
Yes	3374	58.6	58.6
No	2386	41.4	100.0
Total	5760	100.0	

The intercept survey also asked respondents how they arrived at Grand Canyon National Park. Respondents were given a range of travel mode choices, including private vehicles, rental vehicles, commercial buses, etc. Private vehicles (55.7%) were the single most popular travel mode for GCNP visitors, followed by rental vehicles (31.3%). Together, private and rental autos accounted for the vast majority (87.0%) of travel modes. Other travel modes used by respondents included: Grand Canyon Railway-Amtrak (5.5%), private recreational vehicles (RVs) (5.4%), commercial airline (2.3%), commercial bus tours (1.9%), and rental RVs (1.6%). A small number of respondents indicated arrival by motorcycle (1.1%). See Table 6.

Table 6. How did you arrive at Grand Canyon National Park?

	Response %
Private vehicle (car, van, pickup)	55.7
Private recreational vehicle	5.4
Commercial bus tour	1.9
Commercial airline	2.3
Rental vehicle	31.3
Rental recreational vehicle	1.6
Grand Canyon Railway – Amtrak	5.5
Motorcycle	1.1

RESPONSE

Finally, respondents were asked to specify origin, which included a variety of states and foreign countries. Ten domestic states accounted for nearly half (46.6%) of all visitors: California (12.5%) provided the largest cohort of domestic visitors to the Grand Canyon, followed by Arizona (9.1%). These two states accounted for one-fifth of domestic visitors, while eight other U.S. states also provided significant numbers. These 10 states typically send large numbers of visitors to Arizona generally, although Arizona and California together normally account for about 40 to 50 percent of domestic visitors to Arizona. The Grand Canyon, therefore, is a major destination driver that sets Northern Arizona apart from other Arizona tourism regions because of its ability to capture a large share of travel from distant states. See Table 7 for the top 10 states of origin.

Table 7. What state do you come from?

State	Count	%	State	Count	%
California	739	12.5%	Illinois	165	2.8%
Arizona	535	9.1%	Pennsylvania	152	2.6%
Texas	288	4.9%	Colorado	145	2.5%
Florida	204	3.5%	Washington	138	2.3%
New York	195	3.3%	Total	5909	46.6%
Ohio	190	3.2%			

In terms of country of origin, approximately 85 percent of all visitors in this quarter’s sample were U.S. residents. The remaining 15 percent were from other countries. The largest single group of foreign visitors was from the United Kingdom (25.1%). (In Table 8, visitors from various dominions, such as Scotland, Wales etc., were recoded to comprise the United Kingdom). Canada also contributed nearly one-fourth of foreign visitors (23.0%), followed by Germany (12.9%), The Netherlands (7.8%), and Australia (7.2%). The total list of international visitors is shown in Table 8.

Table 8. Origin of foreign visitors to Grand Canyon National Park.

Country of Origin	Count	%
United Kingdom	227	25.1%
Canada	209	23.0%
Germany	117	12.9%
Netherlands	71	7.8%
Australia	65	7.2%
France	36	4.0%
Italy	23	2.5%
Belgium	19	2.1%
New Zealand	19	2.1%
Denmark	17	1.9%
Austria	12	1.3%
Sweden	12	1.3%
Ireland	11	1.2%
Israel	7	0.8%
Switzerland	7	0.8%
Poland	5	0.6%
China	4	0.4%
Czech Republic	4	0.4%
Mexico	4	0.4%
Norway	4	0.4%
Singapore	4	0.4%

Country of Origin	Count	%
Singapore	4	0.4%
Northern Ireland	3	0.3%
Portugal	3	0.3%
Puerto Rico	3	0.3%
Brazil	2	0.2%
Japan	2	0.2%
South Africa	2	0.2%
Spain	2	0.2%
Bermuda	1	0.1%
Bulgaria	1	0.1%
Chile	1	0.1%
Costa Rica	1	0.1%
Estonia	1	0.1%
Finland	1	0.1%
Hungary	1	0.1%
Luxemburg	1	0.1%
Nepal	1	0.1%
Nigeria	1	0.1%
Russia	1	0.1%
Taiwan	1	0.1%
Total	906	100.0%

ADOT TRANSPORTATION-RELATED QUESTIONS

This report now considers a series of transportation-related survey questions that hold particular interest to ADOT – specifically travel patterns, roads used, and perceptions of travel conditions in Northern Arizona. As noted, the majority of these questions were included in the mail-back portion of the survey, which had the smaller sample size. Therefore, response totals in the following tables reflect mail-back responses only. These questions will also be correlated with data from the intercept survey.

The analysis begins with travel modes used to get to the Grand Canyon, followed by the specific highways traveled, average distances driven in Arizona, as well as perceptions of highway quality and congestion. The analysis then addresses airlines used by GCNP visitors, ports of entry to the region, and communities where respondents spent the *night prior* and the *night after* visiting the Canyon. The transportation analysis concludes with an examination of other communities visited on the trip, and presents a scan of open-ended comments that relate to perceived traffic problems and highway improvements in and near the Canyon.

MODES OF TRANSPORTATION USED TO REACH GCNP

Respondents were asked the modes of transportation used to get to GCNP on their current trip. (Since respondents could choose more than one mode of transportation, the results in Table 9 do not total 100 percent.) The vast majority (59.7%) of all visitors arrived at the Canyon in their own car, van, or pickup truck. An impressive number of visitors – 37.4 percent – also arrived by rental vehicle, while 16.4 percent traveled on a commercial airline for some portion of their GCNP trip. All visitors who traveled by commercial airline also used a rental vehicle to reach the Grand Canyon.

Private (6.1%) and rental (1.7%) RVs combined accounted for 7.8 percent of park visitors. Only about one in 20 respondents (4.9%) used the Grand Canyon Railway to get to the Canyon, boarding the train in Williams and not using a vehicle to enter the park. Although they composed a small percentage of visitors, motorcyclists (1.4%) appeared in the warmer months. Commercial bus tours (2.9%), and Amtrak (0.7%) completed the visitor travel modes. See Table 9.

Table 9. What modes of transportation did you or your group use to get to Grand Canyon National Park on this trip?

	Cases	Response %
Private vehicle (car, van or pickup)	2635	59.7
Rental vehicle	1651	37.4
Commercial airline	723	16.4
Private recreational vehicle	269	6.1
Grand Canyon Railway	216	4.9
Commercial bus tour	128	2.9
Rental recreational vehicle	77	1.7
Motorcycle	60	1.4
Amtrak	33	0.7

Modes of Transportation Employed by First-Time Park Visitors

This section examines the relationship between visitors’ modes of transportation and whether this was their first trip to the Canyon. While first-time visitors’ modes of transportation were similar to patterns for the total visitor population, some notable differences existed. As with the general visitor population, first-time visitors were most

likely to arrive at the GCNP in a private vehicle (58.3%). Again private vehicles dominated transportation modes, although to a slightly lesser degree (1.4% less) than the total visitor population. Even more notable is the increasing popularity of rental cars among first-timers. While rental cars constituted the transportation mode for 37.4 percent of the total visitor population, 42.1 percent of first-time visitors arrived at GCNP in rental vehicles. First-time visitors were also more likely to use commercial airlines (18.1%) than the overall sample (16.4%). Grand Canyon Railway visitors accounted for 5.4 percent of first-time visitor compared to 4.9 percent of the total sample. See Table 10 for first-time visitor transportation statistics for the overall sample.

Table 10. First-time park visitors by mode of transport used to get to the park

	Cases	Response %
Private vehicle (car, van, or pickup)	836	58.3
Private recreational vehicle	83	5.8
Commercial bus tour	23	1.6
Commercial airline	260	18.1
Rental vehicle	603	42.1
Rental recreational vehicle	20	1.4
Grand Canyon Railway	77	5.4
Amtrak	8	0.6
Motorcycle	13	0.9

Modes of Transportation Correlated with Entrance Station Used

This section examines the relationship between mode of transportation and GCNP entrance station used. This is an important bit of travel data since only one road exists into each of the park entrance stations, including: State Route 64 to the East Gate from Cameron; State Route 64 from Williams/Valle to Tusayan; and, US Highway 89 to the North Rim entrance station from Jacob Lake (closed during Winter Quarter).

Private vehicles dominated transportation modes at all gates: main South Gate (61.5%), the East Gate (57.8%), and the North Rim (64.7%). While the North Rim Gate led in private vehicle use, the South Gate led in rental vehicle use. Rental vehicles actually accounted for more than one-third (37.4%) of South Gate traffic and 36.7 percent of East Gate traffic. Even though the North Rim had the lowest number of rental vehicles (31.7%), almost one-third of North Rim visitors traveled in rental vehicles. The South Gate was also the dominant entrance for people who indicated commercial airline (16.7%) among their modes of transportation. In contrast, only 12.3 percent of respondents entering the North Rim listed commercial airline as a mode of transportation.

Among respondents that listed private RV as their mode of transportation, the East Gate (8.2%) received more traffic than either the North Rim (7.7%), or the South

Gate (6.1%) during the year. The North Rim was the most popular stop for motorcyclists (2.6%), followed by the South Gate (1.2%). See Table 11.

Table 11. What modes of transportation did you or your group use to get to the GNCP on this trip correlated by what entrance station did you arrive at the GCNP?

	South Gate (Tusayan)	East gate (Desert View)	North Rim
	Response %	Response %	Response %
Private vehicle (car, van, or pickup)	61.5	57.8	64.7
Private recreational vehicle	6.1	8.2	7.7
Commercial bus tour	2.0	3.0	0.5
Commercial airline	16.7	14.0	12.3
Rental vehicle	37.4	36.7	31.7
Rental recreational vehicle	1.6	1.1	1.5
Grand Canyon Railway	5.8	4.4	1.0
Amtrak	0.8	0.3	
Motorcycle	1.2	0.8	2.6

Modes of Transportation Correlated with How the GCNP Visit Fits Into Travel Plans

The next analysis considers whether transportation modes were affected by the reason for the visit to GCNP. A visit to the Grand Canyon generally involves a high degree of trip planning, especially for lodging accommodations, backcountry permits, etc., as well as some measure of expense. Respondents were asked to indicate whether this visit to GCNP was: (1) their primary destination (i.e., the reason for the trip); (2) one planned stop on a longer visit; or, (3) not a planned destination on this trip.

Data from this analysis exhibited some interesting patterns. Among the findings were (please refer to data in Table 12):

- Visitors in private vehicles (72.0%) were the most likely to list the Grand Canyon as *not* a planned destination on their trip.
- Visitors in rental vehicles were more likely to visit the Grand Canyon as a part of a planned multi-stop trip (40.9%) than as a primary destination (32.1%).
- Visitors who arrived by commercial airline were more likely to visit the Grand Canyon as a primary destination (18.8%) than as a multi-stage visit (15.6%). These visitors were also less likely to make an unplanned visit (9.5%) to GCNP.
- Private RV visitors were more likely to visit the park as part of a multi-stop trip (6.2%) than as a primary destination (4.8%). It should be noted however, that for the largest percentage of private RV-ers (an unusual term. Consider using another term.) (14.9%) the park visit was *not* a planned destination.

- Commercial bus tour visitors (3.9%) were more likely to visit the Grand Canyon as a main destination as were those on a multi-stop bus tour (2.4%). See Table 12.

Table 12. What modes of transportation did you or your group use to get to the GCNP on how the Grand Canyon visit fits into your travel plans?

	Grand Canyon was the primary destination of this trip	Grand Canyon was one planned stop on a longer trip	Grand Canyon was not a planned destination on this trip
	Response %	Response %	Response %
Private vehicle (car, van or pickup)	62.8	57.6	72.0
Private recreational vehicle	4.8	6.2	14.9
Commercial bus tour	3.9	2.4	3.6
Commercial airline	18.8	15.6	9.5
Rental vehicle	32.1	40.9	19.6
Rental recreational vehicle	1.4	2.0	
Grand Canyon Railway	8.9	3.0	5.4
Amtrak	0.6	0.8	0.6
Motorcycle	1.5	1.4	0.6
* Does not total to 100% because of multiple responses.			

Average Total Visitor Mileage Driven in Arizona

Visitors to Grand Canyon National Park demonstrated that they are not afraid to spend some time behind the wheel, driving an average total of 791 miles on Arizona highways during the trip. The relatively high number of miles driven by GCNP visitors indicates that they rely on vehicles, either private or rented, for most of their intrastate travel. For reference, it is:

- 230 miles from Phoenix to the South Gate of GCNP.
- 270 miles from Gallup, NM (where Interstate 40 exits Arizona to the East) to the South Gate.
- 175 miles from Kingman (where Interstate 40 exits Arizona to the West) to the South Gate.
- 275 miles from St. George, UT to the East Gate.

Roads Traveled

Of great importance to ADOT traffic planners and tourism businesses are the transportation routes used to get to and from Grand Canyon National Park. All major roads leading to the Grand Canyon were included in this survey and a map was provided to help respondents answer travel route questions. The findings included:

- The greatest number of visitors (60.1%) – well over half – used Interstate 40 to enter Arizona, from either California or New Mexico, then proceeded to the Canyon either through Williams, Flagstaff, or Cameron.
- Almost half of visitors (46.6%) reported traveling on U.S. Highway 89 that runs from Flagstaff to Cameron and on to the Utah border.
- Two-fifths of visitors (44.1%) used State Route 64 from Williams to the Grand Canyon, while 39.7 percent used State Route 180 from Flagstaff to Valle and then on to the park.
- A significant number of visitors (41.5%) used State Route 64 from Cameron to the east entrance of the Canyon, while fewer visitors reported (35.0%) traveling on Interstate 17 from Phoenix.

Thus, a majority of GCNP traffic is supplied by Interstate 40, with other secondary highways serving as significant feeder roads to the Grand Canyon and other area sights. See Table 13.

Table 13. What roads did you drive to reach or depart Grand Canyon National Park (GCNP)?

	Response %
Interstate 40	60.1
State Route 180 (Flagstaff to GCNP)	39.7
US Highway 89 (Flagstaff to Cameron to Utah border)	46.6
State Route 64 (Cameron to GCNP East Entrance)	41.5
Interstate 17	35.0
State Route 64 (Williams to GCNP)	44.1
* Does not total to 100% because of multiple responses.	

Roads Traveled Correlated with Origin Data

The question of what roads were traveled the most by various visitors may prove to be useful in determining potential traffic volumes and other related traffic issues. The primary roads leading visitors to the Grand Canyon were cross-tabulated with the five top states of origin, and this data is presented in Table 14. Since both Arizona and California provided the greatest number of visitors to the Grand Canyon, they also provided the most vehicle traffic to the park as well. Interstate 17 (13.2%) accounted for the largest number of Arizona visitors traveling to the Grand Canyon, indicating visitor origins primarily in the Phoenix or Tucson metro areas. A second large group of Arizona visitors drove US Highway 89 from Flagstaff to Cameron (9.2%), as well as State Route 180 from Flagstaff to Grand Canyon (9.1%). Finally, a small but significant group of Arizona residents (7.2%) drove to the Canyon via State Route 64 from Williams. Thus, a large number of Arizonans visiting GCNP drove up Interstate 17 then proceeded to the Canyon on one of the three feeder roads.

On the other hand, visitors from California were most likely to enter the state on Interstate 40 (14.9%), and drive to the Grand Canyon on State Route 64 from Williams to the Grand Canyon (14.8%). Other states did not exhibit such clearly discernable travel patterns. See Table 14.

Table 14. Roads traveled correlated with state origin.

State	Interstate 40 %	State Route 180 (Flagstaff to GCNP) %	US Highway 89 (Flagstaff to Cameron to Utah border) %	State Route 64 (Cameron to GCNP East Entrance) %	Interstate 17 %	State Route 64 (Williams to GCNP) %
CA	14.9	11.3	11.6	12.0	11.0	14.8
AZ	7.2	9.1	9.2	7.4	13.2	7.2
TX	4.6	5.1	4.3	4.3	3.5	4.0
NY	3.7	4.4	4.3	3.3	4.5	4.4
OH	3.1	3.2	3.4	2.7	3.6	3.3

Top Rental States Correlated with Roads Traveled

While the roads used by out-of-state visitors are of interest, so too are the states or communities where rental vehicles were secured. For the overall study, the top location where rental cars were secured was Las Vegas, NV (continuing style of using post-office style abbreviations for states) at 34.3 percent, although it was followed very closely by Phoenix at 33.6 percent. The summer quarter, in particular, demonstrated a stronger relationship between visits to Las Vegas and Grand Canyon. Las Vegas and Phoenix were the leaders by far in this category; behind them, percentages were much smaller: Los Angeles at 6.5 percent San Francisco at 4.9 percent, and Denver at 2.8 percent.

The rental car picture becomes clearer when rental car origins (i.e., the town where the rental car was picked up) are cross-tabulated with the roads taken to reach GCNP. The four top rental car procurement states provided at least 90 percent of the rental car vehicles on each of the roads to GCNP, including:

- Las Vegas, NV (42.0%) provided most of the rental car traffic on Interstate 40, followed by Phoenix (25.3%).
- On Interstate 17 Arizona rentals (76.2%), primarily from Phoenix (71.2%), provided nearly all rental car traffic.
- Visitors renting vehicles in Arizona accounted for over one-half (53.8%) of rental car traffic on State Route 180 from Flagstaff to Valle, followed by Las Vegas (20.3%).
- Visitors renting vehicles in Las Vegas (35.0%) dominated rental traffic on State Route 64 from Williams to the Grand Canyon, followed by Arizona (34.5%).
- Park visitors renting vehicles in California were most likely to enter Arizona on Interstate 40 and then proceed to the GCNP on any one of the feeder roads. See Table 15.

Table 15. What roads did you drive to reach or depart Grand Canyon National Park by where did you pick up your rental vehicle?

If you rented a vehicle in what town did you pick up the vehicle	Interstate 40 %	State Route 180 (Flagstaff-GCNP) %	US Highway 89 (Flagstaff-Cameron-Utah border %	State Route 64 (Cameron-GCNP East Gate %	Interstate 17 %	State Route 64 (Williams-GCNP) %
Phoenix, AZ	25.3	53.8	31.8	34.5	71.2	26.5
Las Vegas, NV	42.0	20.3	35.0	35.0	11.0	43.2
Los Angeles, CA	8.2	4.9	7.9	6.4	4.7	7.6
San Francisco, CA	5.1	3.2	4.9	6.3	1.2	5.6
Albuquerque, NM	3.1	2.7	3.4	3.1	1.0	2.0
Flagstaff, AZ	1.8	4.4	1.2	2.2	2.2	2.4
Denver, CO	1.2	0.3	3.6	2.1	0.2	1.9
Tucson, AZ	0.7	1.3	0.3	0.4	1.2	0.9
San Diego, CA	0.4	0.8	0.5	0.3	1.0	0.4
Spokane, Wa	0.5	0.6	1.0	0.6		0.6
Scottsdale, Az	0.4	0.6	0.4	0.4	1.0	0.4
Baltimore, Md	0.7	0.9	0.4	0.4	0.5	
Salt Lake City, Ut	0.2	0.2	1.2	0.7		0.3
San Jose, Ca	0.6	0.6	0.3	0.4	0.3	0.4
Corvallis, Or	0.4		0.4	0.4	0.5	0.4
St George, Ut	0.5		1.0	0.4		
Chicago, Il	0.6	0.8		0.1		0.1
Colorado Springs, Co	0.4	0.5		0.4	0.5	
Edmonton, Canada	0.2	0.3	0.5	0.3		0.3
Kalamazoo, Mi	0.5				0.7	0.6
Sacramento, Ca	0.6			0.3		0.6
Massachusetts	0.5		0.3			0.6
Salt Lake, Ut	0.2		0.8			0.3
St Louis, Mo	0.5	0.5		0.4		
Des Moines, Ia			0.4	0.4		0.4
Seattle, Wa	0.2	0.3	0.3	0.1	0.2	0.1
Winchester, Va	0.4		0.4	0.4		
Cody, Wy			0.5	0.6		
Denison, Tx	0.2			0.3	0.3	0.3
Reno, Nv	0.2	0.2	0.1	0.1	0.2	0.3
Edmonton - Canada	0.1	0.2	0.3	0.1		0.1
Niagara Falls, Canada			0.4	0.4		
Norfolk, Va	0.4	0.5				
Williams, Az	0.1				0.2	0.6
Laughlin, Nv	0.1	0.2	0.1	0.1		0.1
Mesa, Az	0.1		0.1		0.3	0.1
Ohio	0.1	0.2	0.1	0.1		0.1
Ontario, Ca	0.4					0.3
Topeka, Ks	0.1		0.1	0.1	0.2	0.1
Bullhead City, Az	0.1	0.2	0.1		0.2	
Dallas, Tx	0.1	0.2	0.1	0.1		

Table 15. What roads did you drive to reach or depart Grand Canyon National Park by where did you pick up your rental vehicle?

If you rented a vehicle in what town did you pick up the vehicle	Interstate 40 %	State Route 180 (Flagstaff-GCNP) %	US Highway 89 (Flagstaff-Cameron-Utah border %	State Route 64 (Cameron-GCNP East Gate %	Interstate 17 %	State Route 64 (Williams-GCNP) %
Denison, Tx - Hertz	0.1			0.1	0.2	0.1
Minneapolis, Mn			0.1	0.1	0.2	0.1
Orange, Ca	0.1	0.2	0.1	0.1		
Arcadia, Ca	0.1				0.2	0.1
Arizona	0.1				0.2	0.1
Charleston, Wv		0.5				
Columbus, Ga	0.1			0.1	0.2	
Columbus, Oh	0.1	0.2				0.1
Corydon, In	0.1	0.2	0.1			
Glendale, Az	0.1				0.2	0.1
Littleton, Co			0.1	0.1		0.1
Long Beach, Ca	0.1	0.2				0.1
Monroe, La	0.1	0.2				0.1
New Orleans, La			0.1	0.1		0.1
Santa Maria, Ca	0.1				0.2	0.1
Anaheim, Ca	0.1					0.1
Belmont Ca	0.2					
Berkeley California	0.1			0.1		
Canon City, Co	0.1	0.2				
Casa Grande, Az	0.1			0.1		
Dublin Ca				0.3		
Durango, Co			0.1	0.1		
Livermore, Ca	0.1					0.1
Oro Valley, Az			0.1		0.2	
Saint Louis, Mo			0.3			
Santa Monica, Ca	0.1					0.1
Santa Rosa, Ca	0.1					0.1
Sedona, Az		0.2			0.2	
Wichita, Ks	0.1		0.1			
Belmont, Ca	0.1					
Dana Point, Ca			0.1			
Dublin, Ca				0.1		
El Centro, Ca	0.1					
Fresno, Ca	0.1					
Irvine, Ca	0.1					
Lebanon, NH			0.1			
New York			0.1			
	100.0	100.0	100.0	100.0	100.0	100.0

Where did you stay the night *before* the Grand Canyon Correlated with Roads Traveled

Another analysis that proves interesting is to look at what community Grand Canyon visitors stayed in the night *prior* to their canyon visit. Only the top 10 communities are analyzed, and these accounted for more than half of visitors using each road. First, see Table 16 for approximate drive times from selected communities.

Table 16. Drive times from selected communities.

	East Gate	South Gate
Flagstaff	1.75 hrs	1.5 hrs
Williams	2.5 hrs	0.75 hrs
Phoenix	4.25 hrs	4 hrs
Las Vegas, NV	5.5 hrs	5.25 hrs
Albuquerque, NM	7 hrs	6.75 hrs
St. George, UT	6.5 hrs	8 hrs

- Flagstaff, located at the junction of Interstate 17 (23.4%), Interstate 40 (18.7%), State Route 180 (32.6%) and US Highway 89 (17.2%), captured the largest number of visitors for overnight stays from the Grand Canyon's major feeder roads.
- Williams, located on State Route 64, one of the most direct routes to the Grand Canyon, was able to capitalize on its location and attractions (the Grand Canyon Railway) to draw substantial visitor traffic off Interstate 40 (16.2%), and State Route 64 (18.5%).
- Las Vegas also provided accommodations for a significant number of visitors traveling on Interstate 40 (10.4%) and on State Route 64 Williams to GCNP (11.3%).
- Surprisingly, 7.5 percent of all visitors traveling on State Route 64 from Cameron to the East Gate of the Grand Canyon also spent the night before their visit in Las Vegas, most likely an indication that these visitors were also visiting other attractions in Utah, such as Zion and Bryce Canyon National Parks.
- Sedona also ranked highly in attracting overnight visitors on their way to GCNP drawing a respectable number of visitors off Interstate 17 (10.7%).

Phoenix also ranked highly as a stopover for those bound for GCNP on Interstate 17 (12.3%). See Table 16. The complete table can be found in Appendix A, as Table 17 only represents the top 10 communities visitors stayed in before arriving at the Grand Canyon.

Table 17. Where did you spend the night prior to your arrival at GCNP by roads used to get to the Grand Canyon National Park?

	Interstate 40 %	State Route 180 (Flagstaff-GCNP) %	US Highway 89 (Flagstaff-Cameron-Utah border) %	State Route 64 (Cameron-GCNP East Gate) %	Interstate 17 %	State Route 64 (Williams-GCNP) %
Flagstaff, Az	18.77	32.65	17.19	20.01	23.45	13.89
Williams, Az	16.20	5.78	7.00	7.78	8.22	18.52
Las Vegas, Nv	10.41	5.52	5.54	7.53	3.58	11.34
Sedona, Az	5.23	9.79	7.28	7.84	10.68	5.52
Phoenix, Az	3.61	6.50	4.09	3.64	12.25	3.62
Tusayan, Az	4.75	4.27	2.07	4.39	3.96	5.10
Page, Az	2.35	1.45	5.71	3.26	1.27	2.14
Scottsdale, Az	0.91	2.23	1.46	1.44	3.29	1.07
Tucson, Az	1.13	1.84	0.56	1.07	2.46	1.25
Kingman, Az	1.79	0.66	1.29	1.13	0.45	1.96

Stay after the Grand Canyon Correlated with Roads Traveled

Visitors were dispersed over longer distances *after* leaving the Grand Canyon. The night before their visit to the Grand Canyon, visitors tended to stay either in Las Vegas or in Northern Arizona communities – such as Flagstaff and Williams, in relatively close proximity to the Canyon. Once visitors left the Canyon, however, they traveled further and many more stayed in Phoenix, Sedona, Holbrook, Kingman, Gallup, New Mexico, or Bryce Canyon, Utah. Within Arizona, Flagstaff (10.4%) and Williams (9.5%) continued to receive the largest number of Interstate 40 overnight visitors the night after leaving the Canyon. Many park visitors also left Arizona on Interstate 40 to spend the night in Las Vegas (12.3%). Flagstaff captured the most visitors returning on State Route 180 (18.2%) and many visitors leaving on Interstate 17 (14.9%). Page captured its largest number of visitors on their way to the Utah border (6.3%), while Phoenix received most of its visitors from Interstate 17 (17.3%). See Table 18.

Table 18. Where did you spend the night after you left the GCNP by roads used to get to the Grand Canyon National Park?

On this trip where did you and your group spend the night after leaving the GCNP	Interstate 40 %	State Route 180 (Flagstaff-GCNP) %	US Highway 89 (Flagstaff-Cameron-Utah border) %	State Route 64 (Cameron-GCNP East Gate) %	Interstate 17 %	State Route 64 (Williams-GCNP) %
Flagstaff, Az	10.44	18.19	10.96	11.94	14.90	9.02
Las Vegas, Nv	12.33	6.89	9.83	8.64	5.44	14.00
Phoenix, Az	6.36	10.11	6.27	7.12	17.29	7.59
Sedona, Az	5.92	10.37	6.27	7.24	11.62	6.05
Williams, Az	9.52	2.82	3.90	4.96	4.47	9.96
Page, Az	3.51	3.74	6.33	4.96	3.06	4.15
Kingman, Az	2.59	2.30	1.86	3.05	1.12	2.73
Tusayan, Az	2.50	2.76	1.53	2.54	2.31	2.31
Scottsdale, Az	1.27	1.90	1.64	1.91	3.65	1.36
Albuquerque, NM	2.19	1.58	0.90	1.59	0.75	1.48

OPINIONS OF THE ARIZONA HIGHWAY SYSTEM TO AND FROM GCNP

Overall Quality of Arizona State Highway System

Respondents who drove a vehicle to the Grand Canyon were asked to evaluate the Arizona state highway system. They were asked to rate the highway system based on specific aspects, including: quality, safety, signage, traveler amenities, rest stops, and rest stop frequency. Responses were rated based on a 5-point scale, where 1 was “very poor” and 5 was “excellent.”

Overall, Grand Canyon visitors had positive views of the Arizona state highway system. Both quality and safety received mean scores of good or above, as follows:

- The *quality* of Arizona’s highways received a mean score of 4.1. In fact, 81.5 percent of all visitors to the Canyon rated the *quality* of Arizona highways as either good or excellent.
- Visitors also rated the *safety* with a mean score of 4.0 and *highway signage* highly with a mean score of 3.9. More than three-quarters (75.8%) of all visitors rated *highway signage* as either good or excellent, while nearly as many (71.5%) rated highway *safety* as good or excellent.
- Traveler amenities received an overall mean score of 3.5; rest stop quality received a mean score 3.4; and, rest stop frequency earned the lowest score of the five qualities, with a mean score of 3.1.
- While these – traveler amenities, rests stop frequency, and rest stop quality – did not rate mean scores above 4.0 (or “good”), they also did not fall below a mean score of 3.0 (or “poor”). Again, the *frequency* of rest stops received the lowest mean score (3.1) among all Arizona highway aspects. See Table 19.

Table 19. If you drove a motor vehicle on this trip, what is your opinion of the Arizona state highway system?

	Very poor	Poor	Neither poor nor good	Good	Excellent	Mean
Quality of Arizona highways	0.2	1.0	17.3	48.6	32.9	4.1
Safety of Arizona highways	0.5	1.7	22.0	47.7	28.1	4.0
Highway signage (clarity and effectiveness)	1.1	5.6	21.5	44.0	27.8	3.9
Traveler amenities (availability)	2.6	11.5	38.1	33.9	13.9	3.5
Rest stops frequency	7.1	20.0	37.2	25.1	10.5	3.1
Rest stops quality	4.4	10.3	37.8	33.3	14.3	3.4

Overall Quality of the Arizona State Highway System Correlated with Top States of Origin

Do visitors from other states, bringing different perceptions and knowledge of their own state highway systems, have different perceptions of the Arizona state highway system? To answer this question, respondents' opinions about the Arizona state highway system were cross-tabulated with visitor origins for the top 10 domestic states sending visitors to the Grand Canyon.

To evaluate state differences in perceptions of Arizona highway attributes, a mean score was calculated for each of the top 10 states. The mean score was determined as an arithmetic average of all mean scores for the various highway system measures. The closer the mean score is to 5, the more positive are the perceptions of Arizona highways. Visitors from the District of Columbia, with a mean score of 4.3 had the highest average mean score for all highway attributes – indicating the highest opinion of the Arizona highway system. They were followed by residents of Alaska (4.2), Wyoming (4.2), West Virginia (4.1), and Rhode Island (4.1). The lowest mean scores among *all* states were recorded for Nevada and New Mexico with mean scores of 3.4 – indicating the lowest opinions of the Arizona highway system. See Table 20.

Table 20. If you drove a motor vehicle on this trip, what is your opinion of the Arizona state highway system by top 10 states of origin (mean scores)?

State	Quality of Arizona highways	Safety of Arizona highways	Highway sign (clarity & effectiveness)	Traveler amenities (availability)	Rest stops frequency	Rest stops quality	Overall quality
DC	5.0	4.7	5.0	3.7	3.7	4.0	4.3
Alaska	4.6	4.3	4.0	4.1	3.8	4.2	4.2
Wyoming	4.5	4.0	4.0	4.0			4.1
West Virginia	4.1	4.1	4.3	4.0	4.1	3.9	4.1
Rhode Island	4.6	4.4	4.8	3.8	3.4	3.4	4.0
Louisiana	4.5	4.4	4.2	3.8	3.5	3.6	4.0
Oklahoma	4.2	4.3	3.9	3.7	3.5	3.7	3.9
Vermont	4.4	4.5	4.6	3.4	2.8	3.4	3.9
Michigan	4.4	4.2	3.9	3.5	3.4	3.8	3.9
Delaware	4.5	4.5	3.8	3.5	3.2	3.6	3.9

Overall Quality of Arizona State Highway System Correlated with Age of Visitors

The next correlation posited whether the age of respondents had a bearing on their opinion of the Arizona state highway system. To evaluate this question, the continuous variable of age (i.e., posed as in what year were you born?) was recoded into four discreet age categories: less than 25 years of age; 26 to 45 years old; 46 to 65 years old; and 66 years and older. One could assume that older visitors might consider highway safety to be a more important issue than younger drivers, or that perceptions of rest stop frequency might be linked to drivers' age. This analysis examines some of these aspects to

determine whether age played a role in the evaluation of Arizona’s highway system and its amenities.

To begin with, average mean scores were calculated for each age group in a similar manner to the average mean scores used to evaluate out-of-state visitors’ perceptions of Arizona highways. This variable is labeled “overall mean score by age,” and is located in the bottom row of Table 19. Additionally, average mean scores were calculated by highway attribute across all age categories. This variable is labeled “overall mean by attribute” and located in the right-most column of Table 21.

When examining Table 20, it becomes apparent that all age groups rated both the *safety* and *quality* of Arizona highways highly; no age group rated either of these attributes below 4.1, and they both received an overall mean score of 4.2 and 4.0 for quality and safety respectively. Overall, visitors indicated that they consider the *safety* and *quality* of the Arizona highway system as “very good” to “excellent.” The clarity and effectiveness of official ADOT signage also received high mean scores. The lowest mean score received for signage during this quarter was 3.8 from the under 25 age group, while it received an overall mean of 3.9 or “excellent.”

The lowest scoring attribute of the Arizona highway system, rest stop *frequency*, scored highest (3.2) with the youngest age group while it scored lowest with all other age groups. When rating rest stop *quality*, the youngest age group was again the most satisfied giving *quality* a mean rating of 3.5. The visitors that were the least satisfied with highway *quality* (3.3) were those in the 66 year and older age category. See Table 21.

Table 21. Arizona State highway system attributes by age (mean scores)

	Less than 25 years old	26 to 45 years old	46 to 65 years old	66 years or older	Overall
Quality of Arizona highways	4.2	4.1	4.1	4.1	4.2
Safety of Arizona highways	4.1	4.1	4.0	4.0	4.0
Highway signage (clarity & effectiveness)	3.8	3.9	3.9	3.9	3.9
Traveler amenities (availability)	3.4	3.4	3.4	3.4	3.4
Rest stops frequency	3.2	3.1	3.1	3.1	3.1
Rest stops quality	3.7	3.5	3.5	3.3	3.5

Overall Quality of Arizona State Highway System Correlated with Education of Visitors

Did the level of the visitors’ education influence their opinions of the Arizona highway system? Correlating these two variables produced no discernable pattern with respect to education – which is often employed as a substitute for income in social surveys (i.e., higher level of education approximates higher income and social status). This analysis showed no evidence to suggest that educational level affected opinions about the state’s highway system. Overall, both college-educated and high school educated respondents rated Arizona highway attributes between 3.8 and 3.7, in the

“good” range. There was no obvious pattern in the relationship between educational attainment and rating of highway attributes. See Table 22.

Table 22. Arizona state highway system attributes by education (mean scores)

	High school or less	Attended College (less than 4 years)	Graduated from a 4-year college	Post-graduate study without degree	Master degree	Doctorate
Quality of Arizona highways	4.1	4.1	4.1	4.1	4.2	4.2
Safety of Arizona highways	4.0	4.0	4.0	4.0	4.1	4.0
Highway signage (clarity & effectiveness)	3.9	4.0	3.9	3.8	3.9	3.9
Traveler amenities (availability)	3.6	3.5	3.4	3.3	3.4	3.3
Rest stops frequency	3.3	3.1	3.1	3.1	3.1	3.1
Rest stops quality	3.5	3.5	3.4	3.5	3.4	3.4
Overall mean score	3.8	3.7	3.6	3.7	3.7	3.6

Overall Quality of Arizona State Highway System Correlated with Entrance Gate

Finally, did visitors entering Grand Canyon National Park have different opinions about the Arizona highway system relative to entrance gates used? This question homes in on travel routes taken, since the North Rim is only accessible through Jacob Lake and the Arizona strip bordering Utah, the East Gate is generally accessed through Cameron on the Navajo reservation, and the main South Gate through Tusayan.

Mean scores for highway quality differed little based on gates entered. Both the South Gate in Tusayan, the East Gate and the North were given a 3.7 mean score rating. Some differences, however slight, existed between gates for specific highway attributes, as follows:

- Visitors entering at the East Gate rated the availability of traveler amenities, rest stop frequency, and rest stop quality slightly lower than other entrances. See Table 23.

Table 23. Arizona state highway system attributes by entrance gate.

	South Gate (Tusayan)	East gate (Desert View)	North Rim
Quality of Arizona highways	4.1	4.1	4.1
Safety of Arizona highways	4.0	4.0	4.0
Highway signage (clarity & effectiveness)	3.9	3.9	3.9
Traveler amenities (availability)	3.5	3.4	3.3
Rest stops frequency	3.1	3.1	3.1
Rest stops quality	3.5	3.4	3.4
Overall mean score	3.7	3.7	3.7

PERCEPTIONS REGARDING TRAFFIC CONGESTION

Congestion of Highways

Of great importance to Arizona traffic planners, state tourism officials, and GCNP managers are visitors' perceptions of traffic congestion. Survey respondents were asked to rate the level of traffic congestion on Arizona highways. Traffic congestion was rated on a scale of 1 to 5 where 1 was "not at all congested" and 5 was "very congested."

Overall, more than half (59.1%) of all visitors felt that Arizona highways were "not at all congested" (27.6%), or "uncongested" (31.5%). Almost one-third of all visitors (31.0%) were in the mid-position, indicating that Arizona highways were neither "congested" nor "uncongested." A relatively small number of visitors (8.4%) felt that Arizona highways were "congested," while the remainder (1.5%) felt that Arizona highways were "very congested." The mean score for the study was 2.2, or just below the mid-point, indicating that the average visitor perceived Arizona highways toward "uncongested." See Table 24 for annual congestion figures.

Table 24. Are Arizona highways congested?

	Count	%
Not at all congested	1124	27.6
Uncongested	1281	31.5
Neither congested nor uncongested	1263	31.0
Congested	341	8.4
Very congested	59	1.5

Perception of Highway Congestion Correlated with Visitor Origin

The degree of highway congestion perceived by visitors may have been a function of their origins. This section attempts to determine whether visitors' origin states (levels of urbanization, etc.), had an impact on their perceptions of traffic congestion on Arizona highways. Visitor origins were rank ordered according to mean scores on their perceptions of Arizona highway congestion. It is interesting to note that international visitors – from Australia, Germany, the United Kingdom and Belgium – rated Arizona's highways as "not at all congested" (1.0 mean).

Table 24 displays the origins of visitors who felt that Arizona highways were *not congested*, showing the top 10 domestic states in this category. Arizona visitors who thought Arizona highways were "uncongested," giving them a mean congestion score of 2.0, are included as a benchmark. Visitors from Missouri, Hawaii, Rhode Island, Maryland and Nevada had the lowest mean scores ranging from 1.6 to 2.0, and had the lowest perceptions of congestion during the survey. See Table 25.

Table 25. Are Arizona highways congested?

State	Mean
MS	1.6
HI	1.8
RI	1.9
MD	1.9
NV	2.0
NY	2.1
LA	2.1
VA	2.1
CA	2.1
CT	2.1
AK	2.1

Perception of Congestion of Highways Correlated with Entrance Gate

Finally, do visitors entering the Grand Canyon at different entrance stations have differing perceptions of traffic congestion? Are crowding perceptions influenced by the feeder routes and road conditions that exist outside of the Grand Canyon? Some of the explanation for these perceptions may stem from where these roads originated – i.e., Phoenix for Interstate 17, or heavy volume on narrower secondary roads, such as Jacob Lake to the North Rim.

Differences appeared when perceptions of highway congestion were correlated with visitors' Grand Canyon entrance stations. The highest level of perceived crowding (2.3) occurred at the Main Gate adjacent to the community of Tusayan and at the East Gate (Desert View). Here, traffic does back up during certain times of the day. The lowest perception of highway congestion occurred at the North Rim (2.1). See Table 26.

Table 26. Are Arizona highways congested by entrance gate used?

	Mean
South Gate (Tusayan)	2.3
East Gate (Desert View)	2.3
North Rim	2.1

VISITORS' USE OF COMMERCIAL AIRLINES

Which Airport Did You Fly Into?

The next series of questions concerned visitors who either arrived in Arizona by air (where they picked up their rental vehicle), or arrived at Grand Canyon Airport by commercial airline. These are important visitors, as they tend to have higher overall travel expenditures (e.g., rent vehicles, stay longer, etc.). They are also, for the most part,

out-of-state or foreign visitors bringing new money into the Arizona economy. Once in Arizona, all air visitors use the state’s highway system to move around, visit attractions, and conduct business. Visitors who might have flown into the region were provided with a list of large U.S. airports in the west from which to choose.

During the survey, over two-fifths (44.3%) of GCNP visitors who arrived by plane flew into Phoenix Sky Harbor International Airport. Over one-third (37.5%) flew into Las Vegas Nevada International Airport (McCarran). Thus, over three-quarters (81.8%) of those who flew arrived via these two airports. Next, though with much smaller percentages, were Los Angeles International Airport (6.9%), San Francisco (5.6%), Albuquerque, NM (2.4%), and Grand Canyon Airport (2.3%). Other regional airports fed visitors into Arizona at lower rates. See Table 27.

Table 27. If you flew to the area on a commercial airline what airport did you arrive at?

	Count	%
Phoenix International Airport	856	44.3
Las Vegas, NV International Airport	724	37.5
Los Angeles, CA International (LAX)	133	6.9
San Francisco, CA International	109	5.6
Other please specify	92	4.8
Albuquerque, NM International Airport	47	2.4
Grand Canyon Airport	44	2.3
Flagstaff Pulliam Airport	38	2.0
Salt Lake City, UT International Airport	37	1.9
Tucson International Airport	26	1.3

Which Airport Did You Fly Into Correlated With Park Entry Gate?

Which GCNP entrance gate was used most by visitors flying into Las Vegas, NV? This is a question of some importance to tourism planners and tourist businesses in Northern Arizona. To determine which entrance gates were used by various visitors who arrived by air, data for air arrivals were cross-tabulated with entrance gate to produce Table 28 below, and results as follows:

- Visitors entering the park at the South Gate were most likely to have flown into either Phoenix (56.9%) or Las Vegas (30.2%).
- Las Vegas (54.6%) was clearly the dominant airport feeding North Rim visitation, providing twice the number of visitors as Phoenix (23.8%), Los Angeles (6.2%), or San Francisco (3.8%).
- Phoenix was the predominant arrival airport at the East Gate supplying 51.6 percent of visitors, twice as many as Las Vegas (26.1%). See Table 27.

Table 28. If you flew to the area on a commercial airline, at what entrance station did you arrive at the Grand Canyon National Park?

What airport did you use if you flew in?	South Gate (Tusayan) %	East gate (Desert View) %	North Rim %
Phoenix International Airport	56.9	51.6	23.8
Las Vegas, NV International Airport	30.2	26.1	54.6
Los Angeles, CA International (LAX)	4.1	5.7	6.2
San Francisco, CA International	3.1	7.0	3.8
Albuquerque, NM International Airport	2.8	3.8	2.3
Other please specify	2.7	3.2	6.2
Tucson International Airport	2.3	1.3	1.5
Flagstaff Pulliam Airport	1.9	2.5	0.8
Grand Canyon Airport	1.3		
Salt Lake City, UT International Airport	0.8	1.9	5.4

Mode of Transportation Correlated with Length of Stay

Did visitors who arrived by air stay longer in the area than those who arrived by other transportation types? Is there any relationship between the length of stay and the type of transport utilized? Previous tourism research has suggested that air travelers, especially those flying to GCNP from Las Vegas, tend to have shorter lengths of stay, and are constrained by the length of time available at the Grand Canyon.

Two survey questions addressed visitors' length of stay at GCNP. The first asked how many hours were spent at the Grand Canyon – if their total time was less than 24 hours. The second question asked for the number of days spent at the Grand Canyon – if the stay was more than 24 hours. Both data sets were utilized to determine whether commercial airline visitors spent longer at the Grand Canyon than visitors traveling by other means.

Grand Canyon visitors who arrived by commercial air transport and were staying fewer than 24 hours, spent an average of 9.6 hours at the Grand Canyon – in fact, they did stay longer than the overall average of 7.3 hours for all visitors. Respondents who arrived by commercial airline and stayed overnight had an average stay of 4.8 days – this time, shorter than the overall average visit of 5.3 days. Visitors that arrived by either private vehicle (6.8 hours), private RV (6.7 hours) or rental vehicles (8.5 hours) averaged the longer stays both in terms of hours and days (5.5, 6.7 and 5.1 days respectively). Motorcycles have the longest stays (12.6 days) but account for relatively few visitors. See Table 29.

Table 29. What modes of transportation did you and your group use to get to Grand Canyon National Park by how long did you spend at the park?

	On this trip how much time did your group spend at the Grand Canyon - Hours	On this trip how much time did your group spend at the Grand Canyon - Days
Private vehicle (car, van, or pickup)	6.8	5.5
Private recreational vehicle	6.7	6.7
Commercial bus tour	8.7	7.0
Commercial airline	9.6	4.8
Rental vehicle	8.5	5.1
Rental recreational vehicle	8.3	4.3
Grand Canyon Railway	3.8	6.4
Amtrak	3.7	5.1
Motorcycle	4.8	12.6

Which Airport Did You Fly into Correlated with Origin (Domestic and International)

Which airports were utilized most by domestic visitors and which by international visitors? Were their travel patterns the same or different? This is an interesting question as general impressions exist among Arizona tourism industry watchers that Las Vegas has laid claim to the Grand Canyon, marketing itself, especially to internationals, as the gateway to the Grand Canyon. While perception may indeed reflect reality, this analysis may shed some light on this issue by showing through which regional airports the preponderance of domestic and international air visitors arrived at the Grand Canyon.

In terms of *domestic* visitors, the largest cohort (55.4%) arrived at Phoenix Sky Harbor International Airport, followed by Las Vegas, NV International Airport, (32.5%). These two airports claimed the lions' share of arrivals – 87.9 percent when combined – of domestic air visitors to the Grand Canyon, while other airports such as Los Angeles, San Francisco and the Salt Lake City carried a relatively small number of air travel visitors in the survey. See Table 30.

Table 30. Domestic air travel visitors to Grand Canyon National Park by airport of arrival.

	Count	%
Phoenix International Airport	535	55.4
Las Vegas, NV International Airport	314	32.5
Other please specify	30	3.1
Albuquerque, NM International Airport	28	2.9
Los Angeles, CA International (LAX)	26	2.7
Flagstaff Pulliam Airport	22	2.3
Tucson International Airport	19	2.0
San Francisco, CA International	19	2.0
Salt Lake City, UT International Airport	15	1.6
Grand Canyon Airport	7	0.7

During the survey more *foreign* visitors also flew into Phoenix International Airport (39.7), more than flew to Las Vegas (30.4%). Thus, Phoenix continues to outperform Las Vegas in the air arrival category, both foreign and domestically. West Coast airports such as LAX (14.7%) and San Francisco (12.4%) were a distant third and fourth in terms of international visitor arrivals. See Table 31.

Table 31. International air travel visitors to Grand Canyon National Park by airport of arrival (%).

Country	Phoenix	Las Vegas	Los Angeles (LAX)	San Francisco	Grand Canyon	Tucson	Albuquerque	Flagstaff	Salt Lake City	Other
Australia	2.5	2.9	2.9	1.0				0.5		
Austria	1.0	1.5							0.5	
Belgium	0.5	1.0	0.5	0.5						
Brazil	0.5									
Canada	13.2	5.9	1.0	1.0		0.5				
China				0.5						
Czech Republic							0.5			
Denmark	1.0		0.5							
Estonia				0.5						
France	1.0	1.5	0.5	1.0						0.5
Germany	3.4	2.0	2.0	2.9	0.5				0.5	
Ireland	0.5	0.5	0.5							0.5
Israel	0.5	0.5	0.5							
Italy	0.5									
Mexico							0.5			
New Zealand	1.0		0.5					0.5		
Nigeria	0.5									
Norway	0.5									0.5
Sweden	2.0								0.5	
Switzerland	0.5									0.5
Netherlands	1.0	2.0	2.5	1.5	0.5	1.0				
United Kingdom	9.8	12.7	3.4	3.9	1.5	0.5	0.5	0.5		1.5
Total	39.7	30.4	14.7	12.7	2.5	2.0	1.5	1.5	1.5	3.4

Which Airport Did You Fly into Correlated with Trip Purpose

People visit Grand Canyon National Park for a variety of reasons that range from “as a primary destination” to “adding the park onto a visit to friends or relatives.” What were the primary trip purposes for airline visitors? Respondents were asked to describe their primary purpose for visiting the Canyon and were provided a number of choices which included: to visit Grand Canyon National Park; to visit a number of attractions in the area; to visit friends and relatives in the area; to conduct business (conventions or conference in the area); and “Other.”

For those visitors whose primary purpose was to visit the Grand Canyon, Phoenix International (41.4%) and Las Vegas (25.0%) were the top airport choices. Visitors who saw a number of attractions in the area chose the same airports, although with Las Vegas (37.0%) now leading Phoenix (35.2). For visitors who came by air to visit friends and relatives in the area and then visited the Grand Canyon, Phoenix International (50.0%), far outdid Las Vegas (25.0%) and Los Angeles (25.0%). These trips accounted for a large portion of Arizona visitors to the Grand Canyon, who were escorting friends and relatives to see the sights, among which the Grand Canyon is a top destination draw. Business or convention travelers, interestingly, vastly favored Las Vegas (75%), while Phoenix Sky Harbor (25.0%) was a distant second. See Table 32.

Table 32. Air travel visitors to Grand Canyon National Park by primary trip purpose.

	Visit Grand Canyon NP	Visit a number of attractions in the area	Visit friends or relatives in the area	Business (conventions or conference in the area)	Other please specify
	%	%	%	%	%
Grand Canyon Airport	3.1				16.7
Flagstaff Pulliam Airport	1.6				16.7
Tucson International Airport	3.1				
Phoenix International Airport	41.4	35.2	50.0	25.0	50.0
Las Vegas, NV International Airport	25.0	37.0	25.0	75.0	50.0
Albuquerque.NM International Airport	1.6	1.9			
Los Angeles, CA International (LAX)	16.4	14.8	25.0		
San Francisco, CA International Airport	13.3	13.0			16.7
Salt Lake City, UT International Airport	0.8	3.7			
Other please specify	3.9	1.9			

The final analysis in the set of questions dealing with air travel concerns how the trip to the Grand Canyon fit into the overall travel plans. This is an important question as it sheds light on the centrality of Grand Canyon National Park as a destination driver.

Phoenix Sky Harbor Airport (56.4%) was the primary airport of choice for visitors whose primary purpose was to visit Grand Canyon National Park. Visitors arriving by air were twice as likely to fly into Sky Harbor as Las Vegas International Airport (30.8%) if their primary trip purpose was to visit the Canyon. For visitors including the Grand Canyon as but one stop on a longer journey, Phoenix International Airport (35.8%) was still favored, although by a much smaller margin than Las Vegas International Airport (30.2%). Visitors for whom the Grand Canyon visit was a spur-of-the-moment decision were twice as likely to have flown into Las Vegas International (50.0%) than into Phoenix or San Francisco International Airports, with (25.0%) each. See Table 33.

Table 33. Air travel visitors to Grand Canyon National Park by how the trip to the park fits into your travel plans.

	Grand Canyon was the primary destination of this trip	Grand Canyon was one planned stop on a longer trip	Grand Canyon was not a planned destination on this trip
	%	%	%
Grand Canyon Airport		3.1	
Flagstaff Pulliam Airport		1.9	
Tucson International Airport		2.5	
Phoenix International Airport	56.4	35.8	25.0
Las Vegas, NV International Airport	30.8	30.2	50.0
Albuquerque, NM International Airport		1.9	
Los Angeles, CA International (LAX)	10.3	15.7	
San Francisco, CA International	5.1	14.5	25.0
Salt Lake City, UT International Airport		1.9	
Other please specify	5.1	3.1	

WHERE VISITORS STAYED BEFORE AND AFTER THE PARK VISIT

Where did you stay before visiting Grand Canyon National Park?

Overall, visitors were more likely to spend the night before their GCNP visit at a nearby Northern Arizona community, with Flagstaff (17.2%) and Williams (12.2%) capturing the largest shares of these Grand Canyon overnight visitors. Northern Arizona communities were followed as an overnight destination by Las Vegas (8.0%). Sedona (5.8%) was the next most important overnight destination, providing significant

accommodations for Canyon visitors the night before their GCNP visit, followed by Phoenix (5.0%). See Table 34.

Table 34. On this trip where did you and your group spend the night prior to your arrival at the GCNP?

On this trip where did you and your group spend the night prior to your arrival at the GCNP	Count	%
Flagstaff, Az	718	17.19
Williams, Az	507	12.14
Las Vegas, Nv	332	7.95
Sedona, Az	244	5.84
Phoenix, Az	210	5.03
Tusayan, Az	149	3.57
Page, Az	131	3.14
Kanab, Ut	78	1.87
Bryce Canyon National Park, Ut	61	1.46
St George, Ut	61	1.46
Kingman, Az	53	1.27
Tucson, Az	51	1.22
Scottsdale, Az	50	1.20
Jacob Lake, Az	48	1.15
Las Vegas, Az	45	1.08

The following table sorts *by state* the entire list of communities in which visitors spent the night prior to their GCNP visit. Clearly, most visitors positioned themselves near the park the night before their visit, with more than half spending the night in Arizona (52.3%). Nearby states also ranked highly although they were far behind Arizona, as follows: Utah (12.6%), California (11.1%), Nevada (5.6%), New Mexico (3.9%), and Colorado (3.5%). See Table 35.

Table 35. On this trip where did you spend the night prior to your arrival at GCNP, by state?

	%		%		%
AZ	52.3%	MI	0.7%	AK	0.2%
UT	12.6%	OH	0.7%	GA	0.2%
CA	11.1%	OR	0.7%	KY	0.2%
NV	5.6%	FOREIGN	0.4%	MA	0.2%
NM	3.9%	IA	0.4%	MD	0.2%
CO	3.5%	IL	0.4%	MD	0.2%
TX	1.7%	KA	0.4%	MN	0.2%
MO	0.9%	NC	0.4%	NJ	0.2%
UNKNOWN	0.9%	WA	0.4%	OK	0.2%
FL	0.7%	WY	0.4%	Total	100%

Where did you stay *after* visiting Grand Canyon National Park?

Northern Arizona communities combined (43.5%) outranked all others for overnight stays *after* leaving the park, with Flagstaff (10.6%), Williams (7.3%) and Sedona (6.7%) leading as after-park overnight destinations. Las Vegas (12.7%), however, led as the community with the highest individual percentage of overnight visitors after departing the park. Southern Arizona cities combined, especially the Phoenix metro area, accounted for a further 15.1 percent of all visitor overnight stays after leaving the park. Nevada and Utah were major overnight destination among visitors departing the park accounting for 15.1 percent and 13.4 percent respectively, of after-park overnights, spurred by Zion and Bryce Canyon National Park visits. The well-established tradition of visiting these three national parks – Bryce, Zion, and the Grand Canyon North Rim – continues strong. See Table 36.

Table 36. On this trip where did you and your group spend the night after your trip to the GCNP?

	Count	%
Las Vegas, Nv	525	12.7
Flagstaff, Az	439	10.6
Phoenix, Az	334	8.0
Williams, Az	302	7.3
Sedona, Az	276	6.7
Page, Az	166	4.0
Tusayan, Az	99	2.4
Bryce Canyon National Park, Ut	87	2.1
Kingman, Az	86	2.1
Zion National Park, Ut	71	1.7
Scottsdale, Az	61	1.5
St George, Ut	60	1.4
Kanab, Ut	60	1.4
Albuquerque, NM	51	1.2
Holbrook, Az	45	1.1
Total - top fifteen destinations	2662	64.1

The following table reports overnight destinations after leaving the park, but this time by state and region rather than community. The largest cohort of respondents (43.5%) spent the night after leaving the park in the northern Arizona region, followed by the southern Arizona region (15.1%). Nevada (15.1%) and Utah (13.3%) outranked all other neighboring states as overnight destinations after leaving the park. They were followed

by California (4.7%), New Mexico (3.3%) and Colorado (2.4%) – helping define Grand Canyon travel patterns in the region. See Table 37.

Table 37. On this trip where did you and your group spend the night after your trip to GCNP, by region?

	%
NORTHERN ARIZONA	43.54
NEVADA	15.11
SOUTHERN ARIZONA	15.08
UTAH	13.33
CALIFORNIA	4.65
NEW MEXICO	3.33
COLORADO	2.41
UNDEFINED	0.72
TEXAS	0.46
ARIZONA	0.41
WASHINGTON	0.14
UNIDENTIFIED	0.12
FLORIDA	0.10
IDAHO	0.10
OREGON	0.10
PENNSYLVANIA	0.10
OHIO	0.07
ILLINOIS	0.05
MICHIGAN	0.05
ALASKA	0.02
IOWA	0.02
KANSAS	0.02
MEXICO	0.02
NEW JERSEY	0.02
UNITED KINGDOM	0.02
Total	100.00

PARK EXPERIENCES AND TRAFFIC CONDITIONS

Traffic Experiences Getting To and From the Park

Respondents were asked questions about the impact of traffic on their overall GCNP experience. A number of these questions concerned traffic conditions inside the park, an area not under the control of ADOT or dependent on the state highway system. One question, however, asked visitors whether getting to and from the park had: (1) “added to the visit”, (2) had “no effect,” or (3) “detracted from their visit” to GCNP.

It is apparent from the data in Table 35, that getting to and from the park had little direct effect on visitors’ overall park experiences. The vast majority (71.2%) of GCNP visitors indicated that getting to and from the park had “no effect” on their visit, while a

further one-quarter (23.7%) indicated that travel to and from the park had “added to the visit.” Only one in 20 visitors (5.1%) felt that getting to and from the park on Arizona roadways had detracted from their experience. See Table 38.

Table 38. Please indicate how getting to and from the park affected your visit?

	%
Added to visit	23.7%
No effect	71.2%
Detracted from visit	5.1%
Total	100.0%

Traffic Experiences Likelihood of Using Public Transportation in Future

A number of plans have been suggested to deal with the overcrowding and traffic congestion issues at Grand Canyon National Park. One plan is to have visitors park their cars outside the park and enter on public transportation, thereby reducing the level of traffic congestion inside the park. One survey question attempted to gauge respondents’ potential use of public transport system if such a system were developed.

A sizeable percentage of visitors (38.1%) in the study indicated that they would be *unlikely* to use public transportation to enter the Grand Canyon. A further one-third (32.3%) indicated that they would be willing to use the system if it were free. Some visitors (17.0%) were not sure about public transportation, but might be interested if the situation were more clearly defined. Relatively few visitors, 12.5 percent, said they would be likely to use public transportation if the cost was moderately priced (listed at \$25) for park entry and transportation. See Table 39.

Table 39. On a future visit, would you or your group be likely to use public transportation to enter Grand Canyon National Park if it were provided?

	Count	%
No unlikely	1675	38.1
Yes likely if free	1420	32.3
Not sure	749	17.0
Yes likely if moderately priced (maximum \$25 per person)	550	12.5
Total	4394	100.0

As a follow-up question, only those who had said they would be willing to use public transport to enter the Grand Canyon were asked which type of public transportation they would favor. Respondents were asked to choose from the following

list of public transportation options that have been floated at different times to alleviate overcrowding and traffic congestion concerns. Visitors’ responses were as follows:

- Park your car in Tusayan (gateway community) and ride a shuttle bus into GCNP (65.6%);
- Park in Tusayan (gateway community) and ride a train (light rail) into GCNP (66.4%);
- Park your car in Williams and ride train (high speed) into GCNP (51.6%); or
- Park your car in Flagstaff and ride public transportation into GCNP (22.5%).

See Table 40.

Table 40. If yes, what types of public transportation would you or your group be willing to use?

	Cases	%
Park your car in Tusayan (gateway community) and ride a shuttle bus into GCNP	1397	65.6
Park in Tusayan (gateway community) and ride a train (light rail) into GCNP	1414	66.4
Park your car in Williams and ride train (high speed) into GCNP	1100	51.6
Park your car in Flagstaff and ride public transportation into GCNP	479	22.5

COMMUNITIES VISITED IN GRAND CANYON NATIONAL PARK AREA

Communities Visited

What other regional communities do Grand Canyon National Park visitors travel to as part of their GCNP trip? This question was an attempt to demonstrate the flow of visitors and traffic throughout the northern Arizona region – which also stretches into southern Utah to include the communities of Cedar City and St. George.

GCNP visitors appeared to roam throughout Arizona, visiting other national parks and scenic attractions, and traveling to communities off the main highway system by which they arrived at the park. Consider the following:

- GCNP visitors using Interstate 40, the main east-west route through Northern Arizona, also visited Las Vegas (44.0%), Flagstaff (44.3%), Williams (35.7%), Sedona (37.1%), and the Navajo Nation (19.5%).
- GCNP visitors using US Highway 89 from Flagstaff to the Utah border also visited Las Vegas (38.5%), Flagstaff (41.7%), the Navajo Nation (26.9%), and Page (23.6%).
- Sedona (62.5%) was the most popular stop for GCNP visitors traveling on Interstate 17, followed by Phoenix (60.2%) and Flagstaff (55.9%).

- Tucson received most of its GCNP-related visits from respondents who also traveled on Interstate 17 (19.9%). See Table 41.

Table 41. Communities visited by highways driven.

	Interstate 40	State Route 180	US Highway 89	State Route 64	Interstate 17	State Route 64
	%	%	%	%	%	%
St George UT	8.6	5.3	17.7	10.3	3.2	7.9
Cedar City UT	4.3	3.6	9.3	5.1	2.7	3.9
Fredonia Jacob Lake AZ	8.3	5.7	20.5	8.5	6.0	6.3
Page AZ	14.4	15.2	23.6	20.6	10.2	13.3
Flagstaff AZ	44.3	62.0	41.7	45.6	55.9	38.6
Williams AZ	35.7	19.1	20.8	23.3	23.9	42.5
Sedona AZ	37.1	53.1	36.8	42.5	62.5	38.1
Hopi Reservation	8.4	7.9	9.0	10.3	7.2	7.8
Prescott AZ	7.9	9.0	6.7	7.1	9.6	7.9
Phoenix AZ	26.3	40.7	26.9	30.1	60.2	26.5
Tucson AZ	11.3	13.1	8.3	11.5	19.9	10.7
Kingman AZ	19.4	13.1	11.3	14.4	7.4	21.1
Navajo Nation	19.5	20.5	26.9	27.5	16.2	19.7
Las Vegas NV	44.0	30.3	38.5	40.9	21.5	46.8

IF YOU WERE THE GCNP SUPERINTENDENT, WHAT IS THE SINGLE IMPROVEMENT YOU WOULD MAKE TO MOST IMPROVE THE PARK EXPERIENCE FOR VISITORS?

The last question of the GCNP mail-back survey asked respondents to comment on any perceived trip problems or improvements they would make to improve the park experience; a subset of these comments, specifically related to traffic and congestion, were extracted and are presented here. Visitor responses referenced parking and signage issues, most of which were concerned with difficulties encountered *inside the park*; they are included here, however, as they may be instructive or fit the scope of ADOT concerns. Many of these responses emphasized related issues, such as parking, crowding, or public transportation – different ways of commenting on the general issue of park congestion. Specifically, almost one-third of respondents (28.6%) suggested improvements to parking or the lack of sufficient parking spaces. The second most-suggested improvement (21.8%) had to do with park traffic and problems with too many vehicles generally. The third most-suggested category concerned “Public transport, buses, and light rail” or public transportation issues (19.0%). Recommendations to do something about “Congestion and crowding” ranked fourth (12.7%), and were followed by comments about “roads and transportation” (11.0%). Much further down the list appeared: directional signage, rim travel, and access generally. Thus, visitors expressed

the full range of possible solutions: more parking lots/spaces; restricting cars within the park; increasing public transportation; and, reconfiguring park roadways.

These responses were sorted by category and appear in Table 42 below. The complete verbatim comments made by GCNP visitors are included in the Appendix.

Table 42. If you were the GCNP superintendent what is the single improvement you would make to most improve the park experience for visitors?

Transportation related issues	Responses	%
Parking spaces	167	28.6%
Traffic in park/Vehicles	59	21.8%
Public transportation/Buses/Light rail	73	19.0%
Congestion/Crowding	35	12.7%
Roads/Transportation	45	11.0%
Directional signage	18	3.1%
Rim travel	15	2.6%
Access	8	1.4%
Total	584	100.0%

APPENDIX A: SURVEY QUESTIONNAIRES Intercept Survey

8244046200

GRAND CANYON NATIONAL PARK
IN-PARK INTERCEPT

- South Rim
- North Rim
- Grand Canyon Railway

FIRST NAME

LAST NAME

ADDRESS

CITY

STATE / PROVINCE

COUNTRY

ZIPCODE

 -

PHONE NUMBER

() -

VISITOR DEMOGRAPHICS

TOTAL NUMBER IN YOUR TRAVEL PARTY?

HOW MANY ADULTS (18 AND OVER):

HOW MANY CHILDREN (UNDER 18):

NUMBER OF FEMALES:

NUMBER OF MALES:

IN WHAT YEAR WERE YOU BORN? 19

WHAT IS THE HIGHEST LEVEL OF EDUCATION YOU HAVE COMPLETED?

- High school or less
- Attended College (less than 4 years)
- Graduated from a 4-year college
- Post-graduate study without degree
- Masters degree
- Doctorate

IS THIS YOUR FIRST TRIP TO GRAND CANYON NATIONAL PARK? Yes No

AT WHICH ENTRANCE DID YOU ARRIVE AT GRAND CANYON NATIONAL PARK?

- MAIN GATE (TUSAYAN)
- EAST GATE (DESERT VIEW)
- NORTH RIM

HOW DID YOU ARRIVE AT GRAND CANYON NATIONAL PARK?

- PRIVATE VEHICLE (CAR / VAN / PICKUP)
- PRIVATE RV
- COMMERCIAL BUS TOUR
- COMMERCIAL AIRLINE
- RENTAL VEHICLE
- RENTAL RV
- GRAND CANYON RAILWAY / AMTRAK
- MOTORCYCLE

Reset

Forward

Mail-back Survey

1971601881

Grand Canyon National Park Northern Arizona Tourism Study



Grand Canyon National Park Visitor Study

OMB Approval: 1024-0224 (NPS 03-034)
Expiration Date: 02/28/05



United States Department of the Interior

NATIONAL PARK SERVICE
Grand Canyon National Park
P.O. Box 129
Flagstaff, Arizona 86023

July, 2003

Dear Visitor:

Thank you for participating in this important study. Our goal is to learn about the expectations, opinions, and interests of visitors to Grand Canyon National Park (NP). This information will assist us in our efforts to better manage these sites and to serve you, the visitor.

This questionnaire is only being given to a select number of visitors, so your participation is very important! It should only take a few minutes after your visit to complete.

When your visit is over, please complete the questionnaire. Seal it with the stickers provided on the last page and drop it in any U.S. mailbox.

If you have any questions, please contact Cheryl Cothran, Project Coordinator, AHRRC, School of Hotel & Restaurant Management, P.O. Box 6024, Northern Arizona University, Flagstaff, Arizona 86011-6024, phone 928-523-2132, email: Cheryl.Cothran@nau.edu

We appreciate your help.

Sincerely,

Joseph F. Alston
Superintendent

Reset

Forward

DIRECTIONS

One adult in your group should complete the questionnaire. It should only take a few minutes. When you have completed the questionnaire, please seal it with the stickers provided and drop it in any U.S. mailbox. We appreciate your help.

PLEASE GO TO THE NEXT PAGE

PRIVACY ACT and PAPERWORK REDUCTION ACT statement: 16 U.S.C. 1a-7 authorizes collection of this information. This information will be used by park managers to better serve the public. Response to this request is voluntary. No action may be taken against you for refusing to supply the information requested. Your name is requested for follow-up mailing purposes only. When analysis of the questionnaire is completed, all name and address files will be destroyed. Thus the permanent data will be anonymous. Please do not put your name or that of any member of your group on the questionnaire. Data collected through visitor surveys may be disclosed to the Department of Justice when relevant to litigation or anticipated litigation, or to appropriate Federal, State, local or foreign agencies responsible for investigating or prosecuting a violation of law. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Burden estimate statement: Public reporting burden for this form is estimated to average 20 minutes per response. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, WASO Administrative Program Center, National Park Service, 1849 C Street, N.W., Washington, D.C. 20240.



YOUR VISIT TO GRAND CANYON NATIONAL PARK

1. How does this visit to Grand Canyon National Park (GCNP) fit into your travel plans? **Please check (x) only one** of the following statements that best describes your trip.

- Grand Canyon National Park was the primary destination of this trip
- Grand Canyon NP was one planned stop on a longer trip
- Grand Canyon NP was not a planned destination of this trip

If GCNP was not the primary destination, what was? Write below.

2. Prior to this trip, did you and your group obtain information about Grand Canyon National Park or the area around the park? Yes No

If yes, please check (x) in the left column all of the following information sources that you used. Then in the right columns, rate on the scales from 1 to 5, the **importance** and the **quality** of each type of information to your trip planning.

	If used, how important?					If used, what quality?						
	Not Important	1	2	3	Extremely Important	Very Poor	1	2	3	4	5	Very Good
<input type="checkbox"/> PREVIOUS VISITS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> RECOMMENDATIONS OF FRIENDS /RELATIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> TRAVEL AGENT/PROFESSIONAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> TRAVEL GUIDE/BOOK (Fromers, Fodor's)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> ARIZONA OFFICE OF TOURISM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> ARIZONA WELCOME CENTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> TV PROGRAMS/DOCUMENTARIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> TELEPHONE INQUIRY TO GCNP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> WRITTEN INQUIRY TO GCNP/TRIP PLANNER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> NEWSPAPER/MAGAZINE ARTICLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> GCNP WEBSITE (www.nps.gov/groa)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> INTERNET OR OTHER WEBSITE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> HIGHWAY SIGNAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> OTHER (Please specify:)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Prior to this trip, did you and your group make any bookings or reservations for this trip? Yes No Visit is part of a Package Tour

If YES, please check in the left (x) all of the following activities that were booked prior to your trip, and indicate in the right columns how far in advance that booking or reservation was made.

Booked	Less than 1 month	1 to 3 months	3 to 6 months	More than 6 months
<input type="checkbox"/> LODGING (HOTEL/MOTEL, B&B, ETC.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> CAMPGROUND RESERVATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> RV PARK RESERVATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> GRAND CANYON RAILWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> AIRLINE RESERVATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> RENTAL CAR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> COLORADO RIVER TRIP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BACKCOUNTRY HIKING TRIP (COMMERCIAL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. On this trip did you visit or experience (or do you plan to visit/experience) any other attractions in the region? **Please put a check (x)** in front of those you have visited or plan to visit on this trip. In the "importance" boxes that follow, number the top three attractions (#1,2,3) that were most important in your decision to visit this area.

Visited	Importance	Visited	Importance
<input type="checkbox"/> IMAX GRAND CANYON THEATRE	<input type="checkbox"/>	<input type="checkbox"/> HOPI TRIBE RESERVATION	<input type="checkbox"/>
<input type="checkbox"/> CAMERON TRADING POST	<input type="checkbox"/>	<input type="checkbox"/> PETRIFIED FOREST NAT PARK	<input type="checkbox"/>
<input type="checkbox"/> PAGE/LAKE POWELL	<input type="checkbox"/>	<input type="checkbox"/> THE PAINTED DESERT	<input type="checkbox"/>
<input type="checkbox"/> LOWELL OBSERVATORY	<input type="checkbox"/>	<input type="checkbox"/> SEDONA/OAK CREEK	<input type="checkbox"/>
<input type="checkbox"/> MUSEUM OF NORTHERN ARIZONA	<input type="checkbox"/>	<input type="checkbox"/> ZION NATIONAL PARK, UT	<input type="checkbox"/>
<input type="checkbox"/> GRAND CANYON RAILWAY	<input type="checkbox"/>	<input type="checkbox"/> BRYCE CANYON NATIONAL PARK, UT	<input type="checkbox"/>
<input type="checkbox"/> WALNUT CANYON NAT MON	<input type="checkbox"/>	<input type="checkbox"/> MONUMENT VALLEY	<input type="checkbox"/>
<input type="checkbox"/> SUNSET CRATER VOLCANO NAT MON AND WUPATKI NAT MON	<input type="checkbox"/>	<input type="checkbox"/> CANYON DE CHELLY NATIONAL MONUMENT	<input type="checkbox"/>
<input type="checkbox"/> METEOR CRATER	<input type="checkbox"/>		

4. Continued.

Visited	Importance	Visited	Importance
<input type="checkbox"/> NAVAJO NATION RESERVATION	<input type="checkbox"/>	<input type="checkbox"/> THE WHITE MOUNTAINS	<input type="checkbox"/>
<input type="checkbox"/> HUALAPAI RESERVATION	<input type="checkbox"/>	<input type="checkbox"/> PRESCOTT, AZ	<input type="checkbox"/>
<input type="checkbox"/> LAS VEGAS, NV	<input type="checkbox"/>	<input type="checkbox"/> TUCSON, AZ	<input type="checkbox"/>
<input type="checkbox"/> HOOVER DAM	<input type="checkbox"/>	<input type="checkbox"/> PHOENIX, AZ	<input type="checkbox"/>
OTHER (Please List)	<input type="text"/>		

5. On this trip (or a future trip) to Grand Canyon National Park, what are your party's specific interests in each of the following at Grand Canyon National Park? Please check (x) one number on the 1 to 5 scale for each interest area.

GRAND CANYON:	Little or no interest					Very strong interest
	1	2	3	4	5	
ORIGINS, FORMATION & GEOLOGY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ANIMALS AND PLANTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CULTURAL HISTORY OF NATIVE INHABITANTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PARK ECOSYSTEMS AND ECOLOGY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WILDERNESS PRESERVATION & SOLITUDE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ORGANIZED EDUCATIONAL WORKSHOPS & LECTURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HELICOPTER OR FIXED-WING AIR TOURS OF THE GRAND CANYON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
THE GRAND CANYON RAILWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
JEEP OR WILDERNESS TOURS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BACK COUNTRY HIKING & BIKING (Hiking)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COLORADO RIVER RAFTING TRIPS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MULE RIDES INTO GRAND CANYON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATV FOREST TOURS (ALL TERRAIN VEHICLES)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER: PLEASE LIST	<input type="text"/>					

6. It is the National Park Service's responsibility to protect the natural, scenic and cultural resources of the Grand Canyon while at the same time providing for public enjoyment. How important is protection of the following resources/qualities/opportunities in the park to you? Please check (x) one box on the scale for each item.

RESOURCES/QUALITIES/OPPORTUNITIES:	Not important					Very important	Don't know
	1	2	3	4	5		
NATIVE PLANTS/ANIMALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ENDANGERED SPECIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLEAN AIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLEAN WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NATURAL QUIET/SOUNDS OF NATURE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SOLITUDE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RECREATIONAL OPPORTUNITIES (hiking, camping etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EDUCATIONAL OPPORTUNITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HISTORIC BUILDINGS/ARCHEOLOGICAL SITES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NIGHT SKY/STAR GAZING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESIGNATED WILDERNESS/BACKCOUNTRY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. What are the general leisure interests of your party? On a scale of 1 to 5 (where 1 is "not at all interested" and 5 is "very interested") indicate the level of interest your party has in each of the following? Please check (x) one box for each interest.

	Not at all interested					Very interested
	1	2	3	4	5	
VISITING NATIONAL/STATE PARKS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ARCHAEOLOGY/PALEONTOLOGY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SKIING/SNOW SPORTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ECOTOURISM & THE ENVIRONMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MOUNTAIN BIKING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HISTORY/HISTORIC SITES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MUSEUM/CULTURAL ATTRACTIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FISHING/HUNTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SHOPPING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GAMBLING/GAMING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Question 7 continued....

	Not at all interested					Very interested				
	1	2	3	4	5	1	2	3	4	5
DINING OUT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WHITE WATER RAFTING/WATER SPORTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GOLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ROCK CLIMBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CAMPING/TENTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RV-ING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. What modes of transportation did you and your group use to reach Grand Canyon National Park on this trip? Please check all (x) that apply.

- PRIVATE VEHICLE (CAR / VAN / PICKUP)
- PRIVATE RV
- COMMERCIAL BUS TOUR
- COMMERCIAL AIRLINE
- RENTAL VEHICLE
- RENTAL RV
- GRAND CANYON RAILWAY
- AMTRAK
- MOTORCYCLE

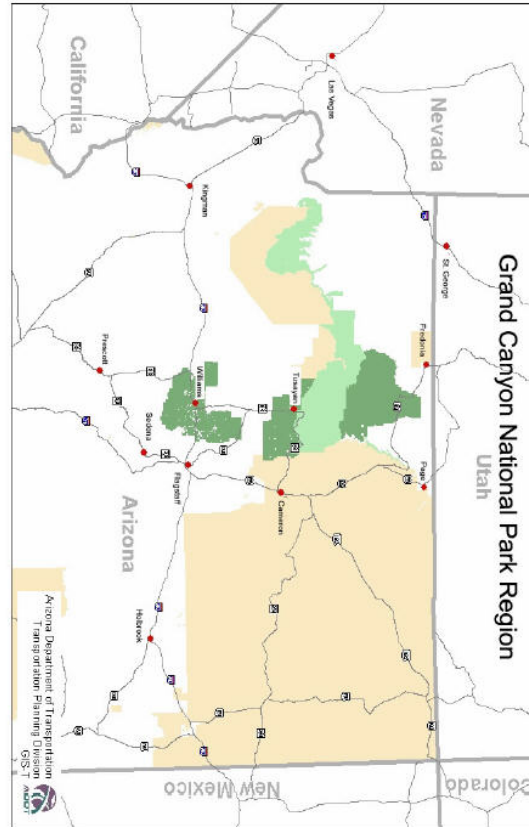
If you rented a car or RV, in what TOWN/CITY did you pick it up?

If you drove a motor vehicle, please approximate the total number of highway miles you have traveled (or expect to travel) in Arizona on this trip.

 miles

If you drove a motor vehicle, which of the following roads did you and your group travel on to reach or depart from Grand Canyon National Park on this trip? Please check all (x) that apply. [Refer to map on the opposite page]

- INTERSTATE 40
- STATE ROUTE 190 (FLAGSTAFF TO GCNP)
- US HIGHWAY 89 (FLAGSTAFF TO CAMERON TO UTAH BORDER)
- STATE ROUTE 64 (CAMERON TO GCNP/EAST ENTRANCE)
- INTERSTATE 17 (FLAGSTAFF TO PHOENIX)
- STATE ROUTE 64 (WILLIAMS TO GCNP)



If you drove a motor vehicle on this trip, what is your opinion of the Arizona highway system to and from the Grand Canyon? Please circle one number for each of the following factors on the scale from 1 to 5, where 1 is "Very Poor" and 5 is "Excellent." [Refer to map on the previous page]

	Very Poor					Excellent				
	1	2	3	4	5	1	2	3	4	5
QUALITY OF ARIZONA HIGHWAYS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SAFETY OF ARIZONA HIGHWAYS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HIGHWAY SIGNAGE (CLARITY/EFFECTIVENESS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TRAVELER AMENITIES (AVAILABILITY)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REST STOPS FREQUENCY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REST STOPS QUALITY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Regarding traffic congestion on the highways, did you find that Arizona highways were

	Not at all congested			Very congested	
	1	2	3	4	5
CONGESTION OF HIGHWAYS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If you flew to the area on a commercial airline, please check (x) your arrival airport(s). Please check (x) all that apply.

- GRAND CANYON AIRPORT
- FLAGSTAFF PULLIAM AIRPORT
- TUCSON INTERNATIONAL AIRPORT
- PHOENIX INTERNATIONAL AIRPORT
- LAS VEGAS NV INTERNATIONAL AIRPORT
- ALBUQUERQUE NM INTERNATIONAL AIRPORT
- LOS ANGELES CA INTERNATIONAL (LAX) AIRPORT
- SAN FRANCISCO CA INTERNATIONAL AIRPORT
- SALT LAKE CITY UT INTERNATIONAL AIRPORT
- OTHER, PLEASE SPECIFY NAME OF AIRPORT

9. On this trip, where did you and your group spend the night prior to your arrival at Grand Canyon National Park?

Town/City

10. On this trip, where did you and your group spend the night after leaving the Grand Canyon National Park?

Town/City

11. On this trip, how much time did you and your group spend at Grand Canyon National Park? Enter numbers below.

IF LESS THAN 24 HOURS . NUMBER OF HOURS (ROUND TO NEAREST 1/2 HOUR)

IF 24 HOURS OR MORE . NUMBER OF DAYS (ROUND TO NEAREST 1/2 DAY)

12. On this trip, did you and your group stay overnight away from home within GCNP or within a 90-mile radius of Grand Canyon National Park (includes Flagstaff, Williams, Tusayan, Cameron)? Please check (x) below.

- Yes
- No IF NO, PROCEED TO QUESTION 13

If YES, please list the number of nights you and your group stayed.

NUMBER OF NIGHTS IN THE GRAND CANYON NATIONAL PARK

NUMBER OF NIGHTS OUTSIDE THE PARK (WITHIN 90 MILES)

In what type of lodging did you and your group spend the night(s)? Please check (x) on the left those you used inside the park and on the right for those you used outside the park.

INSIDE PARK	OUTSIDE PARK
<input type="checkbox"/> LODGE, MOTEL, CABIN, RENTED CONDO, HOME, B&B	<input type="checkbox"/>
<input type="checkbox"/> CAMPGROUND, TRAILER OR RV PARK	<input type="checkbox"/>
<input type="checkbox"/> BACKCOUNTRY OR WILDERNESS CAMPSITE	<input type="checkbox"/>
<input type="checkbox"/> SEASONAL RESIDENCE	<input type="checkbox"/>
<input type="checkbox"/> RESIDENCE OF FRIENDS OR RELATIVES	<input type="checkbox"/>
<input type="checkbox"/> OTHER, PLEASE SPECIFY OTHER	<input type="checkbox"/>

13. On this trip, what kind of personal group are you traveling with? Please check (x) only one of the following

- ALONE
- WITH FAMILY AND FRIENDS
- WITH FRIENDS
- WITH BUSINESS ASSOCIATES
- WITH FAMILY

Please check (x) if your personal group is traveling as a part of a tour.

14. What is the primary reason for your party's visit to Grand Canyon NP? Check (x) only one.

- VISIT GRAND CANYON NATIONAL PARK
- VISIT A NUMBER OF ATTRACTIONS IN THE AREA
- VISIT FRIENDS OR RELATIVES IN THE AREA
- BUSINESS (CONVENTION/CONFERENCE IN THE AREA)
- OTHER, PLEASE SPECIFY OTHER

15. On this visit to GCNP, how many people are in your personal group, including yourself?

NUMBER OF PEOPLE

For every member of your personal group, please fill in the following information.

	Current age	US ZIPCode or foreign country of residence	# of visits to GCNP (include this one)
YOURSELF	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 110px; height: 18px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
MEMBER #2	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 110px; height: 18px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
MEMBER #3	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 110px; height: 18px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
MEMBER #4	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 110px; height: 18px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
MEMBER #5	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 110px; height: 18px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>
MEMBER #6	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 110px; height: 18px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>

For every member of your personal group please check (x) the box on the left if you are Hispanic or Latino. In the box on the right please indicate your race. Choose all letter codes that apply from the list provided i.e., W for white, or A for Asian.

	Hispanic or Latino	Race, please insert letter codes in the box
YOURSELF	<input type="checkbox"/>	<input style="width: 120px; height: 18px;" type="text"/>
MEMBER #2	<input type="checkbox"/>	<input style="width: 120px; height: 18px;" type="text"/>
MEMBER #3	<input type="checkbox"/>	<input style="width: 120px; height: 18px;" type="text"/>
MEMBER #4	<input type="checkbox"/>	<input style="width: 120px; height: 18px;" type="text"/>
MEMBER #6	<input type="checkbox"/>	<input style="width: 120px; height: 18px;" type="text"/>
MEMBER #8	<input type="checkbox"/>	<input style="width: 120px; height: 18px;" type="text"/>

RACE CATEGORIES:
 I = AMERICAN INDIAN OR ALASKA NATIVE
 A = ASIAN
 B = BLACK OR AFRICAN AMERICAN
 P = NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER
 W = WHITE

16. For each of the adults (age 18 or over) in your personal group on this visit, please indicate the highest level of education achieved. Please check (x) only one for each person.

	Some High School	High School Graduate	Some College	Bachelor's Degree	Graduate Degree
YOURSELF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADULT#1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADULT#2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADULT#3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADULT#4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ADULT#5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. If you and your group experienced any of the following on your visit to Grand Canyon NP, indicate if or how it affected your visit. Please check (x) only one response for each.

	Added To Visit	No Effect	Detracted From Visit
NUMBER OF PEOPLE IN PARK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NUMBER OF PRIVATE VEHICLES IN PARK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AVAILABILITY OF PARKING SPACES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AIR QUALITY IN PARK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HELICOPTER / AIRPLANE PARK OVERFLIGHTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GETTING TO AND FROM THE PARK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

18. On a future visit, would you and your group be likely to use public transportation to enter Grand Canyon National Park if it were provided? Please check (x) only one.

- YES, LIKELY IF FREE
- YES, LIKELY IF MODERATELY PRICED (Maximum \$25)
- NO, UNLIKELY
- NOT SURE

If YES, what types of public transportation would you and your group be willing to use? Please check (x) all of the following that you would be willing to use.

- PARK YOUR CAR IN TUSAYAN (GATEWAY TOWN) AND RIDE SHUTTLE BUS INTO GCNP
- PARK YOUR CAR IN TUSAYAN AND RIDE A TRAIN (e.g., LIGHT RAIL) INTO GCNP
- PARK YOUR CAR IN WILLIAMS AND RIDE A TRAIN (e.g., HIGH SPEED) INTO GCNP
- PARK YOUR CAR IN FLAGSTAFF AND RIDE PUBLIC TRANSPORTATION INTO GCNP

19. Economic Impact. Could you estimate total trip expenditures for your travel party on this trip:

(1) inside Grand Canyon NP and (2) within 90-miles of the park (includes Flagstaff, Williams & Cameron) for each of the following? Enter a dollar amount on each line.

	Inside GCNP	Outside Park (within 90 miles)
LODGING (HOTEL, MOTEL, CABIN, B&B, ETC)	\$ <input type="text"/>	\$ <input type="text"/>
CAMPING FEES AND CHARGES	\$ <input type="text"/>	\$ <input type="text"/>
FOOD & BEVERAGES (RESTAURANTS, BARS, ETC.)	\$ <input type="text"/>	\$ <input type="text"/>
GROCERY STORE PURCHASES	\$ <input type="text"/>	\$ <input type="text"/>
ENTERTAINMENT/RECREATION (ADMISSIONS, ENTRANCE FEES)	\$ <input type="text"/>	\$ <input type="text"/>
TRANSPORTATION (INCL. GAS, OIL, AUTO & RV EXPENSES)	\$ <input type="text"/>	\$ <input type="text"/>
SHOPPING (SOUVENIRS, GIFTS, FILM, CLOTHING, ETC.)	\$ <input type="text"/>	\$ <input type="text"/>
OTHER (ALL OTHER PURCHASES)	\$ <input type="text"/>	\$ <input type="text"/>

How many people do the above expenses cover? List number below.

- ADULTS (18 YRS OR OVER)
- CHILDREN (UNDER 18 YRS)

20. What communities in the GCNP area did you and your group visit or do you plan to visit on this trip? Please check (x) if you visited the community, check (x) if you spent the night there, & finally write in the # of nights you stayed there.

	Visited	Spent Night	# of overnights
ST. GEORGE, UT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
CEDAR CITY, UT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
FREDONIA/JACOB LAKE, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
PAGE, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
FLAGSTAFF, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
WILLIAMS, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
SEDONA, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
KINGMAN, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
LAS VEGAS, NV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
NAVAJO NATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
HOPI RESERVATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
PRESCOTT, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
PHOENIX, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>
TUCSON, AZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/>

21. What was the highlight of your visit to Grand Canyon National Park?

22. During your visit to Grand Canyon NP, was there anything specific that you or your group expected to see or do, but were not able to?

YES NO

If Yes, what was it you expected to see or do?

What kept you from seeing or doing what you expected to?

23. If you were the Grand Canyon NP superintendent, what is the single improvement you would make to most improve the park experience for visitors? Be specific.

24. Would your group recommend to friends and family that they visit Grand Canyon NP? Please check (x) one.

YES NO

If NO, why not?

25. How would you rate the **in-park visitor services** provided to you and your group during this trip? In the far left column, check (X) all services you used. Then, for those services used, indicate in the right columns first **how important** each was (1 to 5 scale), then rate its **quality** (1 to 5 scale).

Check if <u>used</u>	If used, how important?					If used, what quality?				
	Not		Extremely			Very		Very		
	Important		Important			Poor		Good		
	1	2	3	4	5	1	2	3	4	5
<input type="checkbox"/> VISITOR CENTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> VISITOR CENTER RESTROOMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> DIRECTIONAL ROAD SIGNS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> CANYON OVERLOOKS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> ACCESS TO (TALK WITH) PARK RANGERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PARK RESTAURANTS & FOODSERVICE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PARK LODGING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PARK CAMPGROUNDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> TRAILER VILLAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> RIM HIKING TRAILS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BELOW-THE-RIM HIKING TRAILS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> ACCESS FOR DISABLED PERSONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PARK SOUVENIR & GIFT SHOPS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> RANGER-LED PROGRAMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> FREE PARK SHUTTLE BUSES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> CONCESSIONAIRE GUIDED BUS TOUR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PARK NEWSPAPER, <i>THE GUIDE</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> GRAND CANYON RAILWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PARKING SPACES & LOTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PARK SAFETY INFORMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> OTHER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PLEASE SPECIFY OTHER

26. Finally, what else would you like to tell us about your visit to Grand Canyon National Park? Please write in the space below.

THANK YOU FOR YOUR HELP! YOUR ANSWERS WILL HELP TO IMPROVE THE GRAND CANYON PARK EXPERIENCE FOR FUTURE VISITORS.

Please seal the questionnaire with the stickers provided and drop it in any U.S. mailbox.

**APPENDIX B:
WHERE DID YOU SPEND THE NIGHT PRIOR TO YOUR
ARRIVAL AT GRAND CANYON NATIONAL PARK?
(PERCENTAGES BY ROUTE)**

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border	State Route 64 (Cameron to GCNP East Entrance	Interstate 17	State Route 64 (Williams to GCNP)
Flagstaff, Az	18.77	32.65	17.19	20.01	23.45	13.89
Williams, Az	16.20	5.78	7.00	7.78	8.22	18.52
Las Vegas, Nv	10.41	5.52	5.54	7.53	3.58	11.34
Sedona, Az	5.23	9.79	7.28	7.84	10.68	5.52
Phoenix, Az	3.61	6.50	4.09	3.64	12.25	3.62
Tusayan, Az	4.75	4.27	2.07	4.39	3.96	5.10
Page, Az	2.35	1.45	5.71	3.26	1.27	2.14
Scottsdale, Az	0.91	2.23	1.46	1.44	3.29	1.07
Tucson, Az	1.13	1.84	0.56	1.07	2.46	1.25
Kingman, Az	1.79	0.66	1.29	1.13	0.45	1.96
Bryce Canyon National Park, Ut	1.00	0.72	2.13	1.69	0.75	1.01
Holbrook, Az	1.70	1.58	1.29	0.82	0.30	1.07
Albuquerque, Nm	1.44	1.71	0.56	1.44	0.82	0.77
Kanab, Ut	0.61	0.26	3.08	0.88	0.60	1.19
St George, Ut	0.83	0.20	2.58	1.07	0.30	0.65
Cameron, Az	0.78	0.46	0.84	1.82	0.75	0.65
Tuba City, Az	0.74	0.66	0.45	1.94	0.60	0.36
Laughlin, Nv	0.78	0.33	0.67	1.19	0.22	1.31
Kayenta, Az	0.48	0.39	1.29	0.75	0.97	0.77
Prescott, Az	0.74	0.53	0.78	0.75	0.90	0.65
Jacob Lake, Az	0.70	0.26	2.07	0.19	0.22	0.30
Gallup, Nm	0.52	0.92	0.78	0.63	0.52	0.47
Durango, Co	0.70	0.53	0.78	0.63	0.22	0.71
Las Vegas, Az	0.83	0.20	0.56	0.50	0.30	1.07
Cottonwood, Az	0.44	0.33	0.73	0.69	0.67	0.65
Springdale, Ut	0.35	0.13	1.23	0.69	0.30	0.42
Mesa, Az	0.44	0.59	0.67	0.56	0.75	0.18
Moab, Ut	0.22	0.33	0.67	0.94	0.37	0.59
Hurricane, Ut	0.39	0.33	0.95	0.63	0.15	0.47
Zion National Park	0.30	0.20	1.23	0.44	0.30	0.47
Lake Powell, Az	0.26	0.39	0.73	0.82	0.07	0.30
Canyon De Chelly, Az	0.30	0.46	0.39	0.38	0.60	0.36
Camp Verde, Az	0.26	0.26	0.39	0.75	0.37	0.18
Santa Fe, Nm	0.39	0.20	0.39	0.44	0.45	0.30

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
Los Angeles, Ca	0.39	0.46	0.39	0.38	0.07	0.36
Winslow, Az	0.48	0.39	0.22	0.31	0.07	0.36
Grand Canyon National Park	0.30	0.46	0.06	0.31	0.37	0.42
Arizona	0.22	0.26	0.28	0.44	0.30	0.30
Green Valley, Az	0.26	0.26	0.22	0.25	0.45	0.30
Mesquite, Nv	0.09	0.33	0.50	0.31	0.37	0.18
Cedar City, Ut	0.22	0.07	0.45	0.31	0.22	0.24
Bluff, Ut	0.22	0.13	0.17	0.38	0.22	0.24
Needles, Ca	0.30	0.13	0.11	0.38	0.15	0.24
Glendale, Az	0.22	0.46			0.45	0.24
Kaibab Lodge	0.04	0.26	0.67	0.25		0.06
Chandler, Az	0.13	0.26	0.11	0.25	0.30	0.24
Cortez, Co	0.13	0.20	0.28	0.25	0.22	0.18
Zion Np	0.17	0.26	0.22	0.25	0.15	0.12
Henderson, Nv	0.22	0.13	0.11	0.25	0.07	0.30
Mt Carmel Junction, Ut	0.22	0.20	0.17	0.25	0.07	0.18
Blanding, Ut	0.09		0.28	0.44	0.15	0.12
Monument Valley National Park	0.13	0.13	0.28	0.19	0.22	0.12
Anthem, Az	0.17	0.20	0.11	0.13	0.15	0.24
Lee's Ferry, Az	0.17	0.20	0.11	0.19	0.15	0.18
Page, Az - Lake Powell	0.22	0.07	0.22	0.13		0.30
Prescott Valley, Az	0.09	0.07	0.17	0.31	0.15	0.24
Grand Canyon, Az	0.09	0.26	0.06	0.06	0.37	0.18
Salt Lake City, Ut	0.04	0.07	0.22	0.31	0.15	0.12
Bryce National Canyon Park - Bryce Canyon Lodge, Ut	0.09	0.13	0.17	0.19	0.15	0.12
Chinle, Az	0.13	0.13	0.17	0.19	0.07	0.12
Farmington, Nm	0.13	0.33		0.13	0.22	0.06
Fredonia, Az		0.33	0.11	0.19	0.15	0.12
Lake Havasu City, Az	0.17	0.13	0.22	0.13		0.12
Lake Mead, Nv	0.13	0.13	0.17	0.19		0.18
Peach Springs, Az	0.13	0.13	0.17	0.25		0.12
Bullhead City, Az	0.13	0.13	0.17	0.13	0.15	0.06
New Mexico	0.17	0.13		0.13	0.15	0.18
Richfield, Ut	0.17	0.07	0.22	0.13	0.07	0.06
San Fransisco, Ca	0.13	0.13	0.06	0.13	0.15	0.18
Tusayan, Az - Best Western	0.09	0.13	0.17	0.19	0.07	0.12
Dead Horse Ranch State Park	0.17	0.26	0.22			
Jackson, Wy	0.17		0.22		0.30	
Mesa Verde- Farview Lodge, Co	0.09	0.13	0.11	0.13	0.15	0.12

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
Quartzite, Az	0.17		0.22			0.24
Santa Barbara, Ca	0.13	0.07	0.17	0.19		0.12
Scottsdale Az	0.17		0.11		0.30	0.12
Showlow, Az	0.13	0.13	0.11	0.06	0.07	0.18
Yellowstone National Park			0.22		0.30	0.24
Zion National Park, Ut	0.13		0.17	0.19		0.18
Apache Junction, Az	0.17		0.11	0.13	0.07	0.12
Casa Grande, Az	0.09	0.13	0.17	0.19	0.07	
Mesa Verde National Park	0.09	0.13	0.06	0.13	0.22	0.06
Payson, Az	0.13	0.13	0.11	0.13	0.15	
Boulder City, Nv	0.04	0.07	0.11	0.31	0.07	
Ft Tuthill, Az	0.09	0.13	0.11		0.15	0.12
Homolovi Ruins State Park, Az	0.09	0.13	0.11	0.13		0.12
Koa Seligman	0.09		0.11	0.13	0.15	0.12
Lee's Ferry, Az - Marble Canyon Lodge	0.09	0.07	0.06	0.13	0.07	0.18
Petrified Forest, Az	0.13		0.17	0.13	0.07	0.06
Raleigh, Nc	0.13	0.20	0.06		0.15	0.06
Roosevelt, Az	0.04	0.13	0.06	0.19	0.15	0.06
Tucumcari, Nm	0.09	0.20	0.06	0.06	0.07	0.12
Tusayan, Az Rodeway Inn - Redfeather	0.04	0.13	0.06	0.19	0.15	0.06
Cibola National Forest, Nm	0.13	0.07	0.17	0.06	0.07	
Dallas, Tx	0.09	0.07	0.11	0.06	0.15	0.06
Irvine, Ca	0.13	0.13		0.06		0.18
Jacob Lake, Az - Demotte Campground	0.09	0.07	0.06	0.06	0.15	0.12
Panguitch, Ut	0.04	0.07	0.17	0.06	0.15	0.06
Rockville, Ut	0.13		0.17	0.06	0.07	0.06
Tusayan, Az - Holiday Inn Express	0.04	0.13	0.06	0.13	0.15	0.06
Barstow, Ca	0.17	0.13		0.06	0.07	
Belmont, Az	0.09	0.07	0.06	0.13	0.07	0.06
California	0.04	0.07	0.11	0.13	0.07	0.06
Edgewood, Nm	0.17	0.26				
Hopi Reservation	0.04	0.07	0.11	0.13	0.15	
Joshua Tree National Park	0.09	0.07	0.11	0.06	0.07	0.06
L.As Vegas, Nv	0.17	0.13				0.12
Marble Canyon Lodge Lee's Ferry, Az	0.09	0.13	0.11			0.12
Monument Valley	0.04		0.11	0.13		0.18

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
North Rim Lodge	0.09		0.11	0.13		0.12
Ramsey, Nj	0.17		0.22			
Sacramento, Ca	0.09	0.13			0.07	0.18
San Diego, Ca	0.04	0.07	0.11	0.13	0.07	0.06
San Miguel, Ca	0.09		0.11	0.13		0.12
Surprise, Az	0.09		0.06	0.06	0.15	0.12
Tusayan, Az - Fairfield Inn	0.17					0.24
Yuma, Az	0.09	0.07	0.06		0.15	0.12
Blythe, Ca	0.04	0.13			0.22	0.06
Detroit, Mi	0.13	0.07			0.07	0.12
East Of Zion National Park			0.17	0.13		0.12
Grants, Nm	0.04	0.07	0.06	0.13	0.07	0.06
Tumacacori, Nm	0.13				0.07	0.18
Tusayan, Az -Ten X Campground	0.04	0.13		0.06	0.15	0.06
Ames, Ia	0.04	0.07	0.11	0.06		0.06
Bishop, Ca	0.13		0.06	0.06		0.06
Chino Valley, Az			0.11		0.15	0.12
Colorado City, Az			0.11	0.13	0.07	0.06
Congress, Az	0.04		0.11	0.06	0.07	0.06
Death Valley, Ca	0.09			0.13		0.12
Grand Canyon National Park - Grand Canyon Village	0.09	0.07	0.06			0.12
Grand Canyon National Park - Lodge	0.09	0.07	0.06			0.12
Home	0.09			0.06	0.07	0.12
Marble Canyon Motel, Az	0.09		0.11		0.15	
Midland, Mi	0.04	0.07	0.06	0.06	0.07	0.06
Monument Valley, Az			0.11	0.25		
Outside Park In National Forest.	0.04	0.07	0.06	0.06	0.07	0.06
Phoenix	0.09				0.15	0.12
Randolph, Nc	0.09			0.13	0.15	
Seligman, Az		0.07	0.06	0.13	0.07	0.06
Sierra Vista, Az	0.04	0.20			0.15	
Tusayan-Ten X Campground		0.13		0.13	0.15	
Yuma	0.09				0.15	0.12
Anaheim, Ca	0.04	0.07	0.06	0.06		0.06
Avon Lake, Oh	0.04	0.07	0.06	0.06		0.06
Bakersfield, Ca	0.04	0.07	0.06		0.07	0.06
Cameron, Az - Cameron Trading Post			0.17	0.06		0.06

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
Carefree, Az	0.04	0.07		0.06	0.07	0.06
Coral Pink State Park	0.04		0.06	0.06	0.07	0.06
Flagstaff, Az After Ruidoso, Nm	0.04	0.07		0.06	0.07	0.06
Jacob Lake And Tusayan, Az	0.04	0.07	0.06	0.06		0.06
Jacob Lake, Az - Campground	0.04		0.11	0.06		0.06
Kansas (North Rim) And Valle, Az (South Rim)	0.04		0.06	0.06	0.07	0.06
Kansas City, Mo		0.13	0.06		0.15	
Las Cruces, Nm And Phoenix, Az	0.04	0.07	0.06	0.06		0.06
Outside Flagstaff	0.04	0.13	0.06		0.07	
Phoenix, Az - Arizona Biltmore Phoenix	0.04	0.07	0.06	0.06	0.07	
Provo, Ut		0.07	0.17		0.07	
Sedona, Az (South Rim) And Jacob Lake, Az (North Rim)	0.04		0.06	0.06	0.07	0.06
Swains Creek, Ut		0.07	0.06	0.06	0.07	0.06
Tampa, Fl	0.09		0.06			0.12
Tusayan, Az - Grand Hotel	0.09			0.06	0.07	0.06
Utah - Camping	0.04	0.07	0.06	0.06	0.07	
Williams, Az - Koa	0.04	0.07	0.06	0.06		0.06
Arizona City, Az	0.04			0.06	0.07	0.06
Ash Fork, Az	0.04		0.06	0.06	0.07	
Benson, Az	0.04		0.06	0.06		0.06
Brian Head, Ut			0.22			
Cameron, Az - Cameron Lodge	0.04		0.06	0.06		0.06
Campbell	0.04		0.06	0.06		0.06
Cannonville/Bryce Canyon Np			0.11	0.13		
Cattail Cove Lake Havasu City, Az		0.07		0.06		0.12
Chinle, Az - Thunderbird Lodge	0.04	0.07			0.07	0.06
Confort Inn Las Vegas	0.04			0.06	0.07	0.06
Cordes Lakes, Az	0.04	0.07	0.06	0.06		
Demotte Campground	0.09			0.13		
El Morro, Nm	0.04	0.07			0.07	0.06
Eugene, Or	0.04	0.07	0.06		0.07	
Everett, Wa	0.04	0.07		0.06		0.06
Fountain Hills, Az	0.09	0.07			0.07	
Friends House	0.04	0.07			0.07	0.06
Gilbert, Az	0.04		0.06	0.06		0.06
Gold Canyon, Az	0.04	0.07		0.06	0.07	

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
Goulding, Ut		0.07	0.06	0.06		0.06
Hollman Afb Nv	0.09					0.12
Hollman Afb, Nv	0.09					0.12
Kemb, Ut	0.04		0.06	0.06		0.06
Koa Salt Lake City Utah			0.11	0.13		
Kodachrome Basin - Utah State Park	0.04		0.06	0.06		0.06
Lake Powell/Page, Az			0.11	0.13		
Lancaster, Ca	0.04	0.07	0.06	0.06		
Las Vegas And Boulder City, Nv	0.04	0.07		0.06	0.07	
Las Vegas, Nv - Luxor	0.04	0.07		0.06		0.06
Litchfield Park, Az			0.11		0.15	
Mayer, Az		0.13			0.15	
Mexican Hat, Ut			0.17	0.06		
Mission Viejo, Ca	0.04		0.06	0.06		0.06
Moab, Ut; Kayenta, Az; And Gcnp	0.04	0.07	0.06	0.06		
Mogadore, Oh		0.07	0.06	0.06		0.06
Mt. Carmel Junction, Ut			0.11	0.13		
My Start Point			0.06	0.06	0.07	0.06
Needles Ca	0.09					0.12
North Liberty, Ia	0.04	0.07	0.06			0.06
On Trail From Los Angeles	0.04	0.07	0.06	0.06		
Ouray, Co	0.04		0.11			0.06
Page, Az Is Our Home	0.04		0.06	0.06		0.06
Panaca, Nv	0.04		0.06	0.06		0.06
Peoria, Az	0.04	0.07		0.06	0.07	
Petrified Forest, Az - Camping		0.07		0.06	0.07	0.06
Residence Inn - Phoenix, Az		0.07	0.06	0.06	0.07	
Right Outside The Entrance To Grand Canyon	0.04	0.07	0.06	0.06		
Rockville, Zion Np, Ut			0.11			0.12
San Marcos, Ca		0.07	0.06		0.07	0.06
Saratoga Springs, Ut			0.22			
Seattle, Wa		0.07	0.06	0.06		0.06
Southwest Indian School	0.04		0.06		0.07	0.06
Swansea, Ma - Home	0.04			0.06	0.07	0.06
Torrey, Ut		0.07	0.06	0.06	0.07	
Tropic, Ut			0.11	0.13		
Williams Fairfield Inn	0.09				0.15	
Williams Koa	0.09					0.12

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
Williams Lodge	0.09				0.15	
Albuquerque, Nm And Sedona, Az	0.04	0.07		0.06		
Amarillo, Tx	0.04			0.06		0.06
Asylmar, Ca	0.04	0.07				0.06
Aurora, Co	0.04				0.07	0.06
Boston	0.04				0.07	0.06
Bowie, Md	0.04		0.06	0.06		
Clarkdale, Az And Tucson, Az	0.04				0.07	0.06
Cottonwood And Kingman, Az	0.04			0.06		0.06
Directly For The Airport	0.04			0.06		0.06
Drove All Night	0.04			0.06		0.06
Drove From Sacramento To Ca	0.04				0.07	0.06
Flagstaff, Az - Ft Tuthill			0.06	0.06		0.06
Flagstaff, Az - Home	0.04		0.06		0.07	
Flagstaff, Az - Not A Very Safe Place		0.07		0.06		0.06
Flagstaff, Az - Woody Mountain Campground	0.04		0.06			0.06
Flagstaff, Az (South Rim). Page, Az (North Rim)	0.04	0.07			0.07	
Fountain Valley, Ca		0.07			0.07	0.06
Frisco, Co	0.04			0.06	0.07	
Grand Canyon First Stop	0.04	0.07		0.06		
Grand Canyon National Park - Bright Angel Lodge	0.04				0.07	0.06
Greasewood, Az	0.04		0.06			0.06
Jerome, Az	0.04		0.06	0.06		
Kaibab Lake	0.04		0.06	0.06		
Kaibab National Forest - Camped	0.04			0.06		0.06
Kaibab Rv Campground	0.04				0.07	0.06
Kansas	0.04		0.06		0.07	
Kiabab National Forest			0.06	0.06	0.07	
Laguna Hills, Ca	0.04	0.07			0.07	
Las Vegas, Nv And Williams, Az	0.04			0.06		0.06
Mancos, Co			0.06	0.06		0.06
Mancos, Co			0.06	0.06		0.06
Mckinney, Tx	0.04		0.06		0.07	
Mesa, Az - Home		0.07	0.06		0.07	
Missouri	0.04	0.07				0.06
Monterey, Ca	0.04	0.07				0.06

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
My Home	0.04			0.06		0.06
Navajo Lake, Ut In Cedar City - Camped			0.06		0.07	0.06
Nevada		0.07		0.06	0.07	
Niles, Il	0.04	0.07				0.06
Oak Creak Canyon, Az		0.07	0.06	0.06		
Orange, Ca	0.04			0.06		0.06
Organ Pipe National Monument		0.07	0.06		0.07	
Palm Springs, Ca	0.04		0.11			
Pasadena, Ca			0.06	0.06	0.07	
Pedria, Az	0.04			0.06		0.06
Peoria, Az - Southwest Indian Ministry Center	0.04		0.06	0.06		
Phoenix And Sedona, Az			0.06	0.06	0.07	
Portland, Or	0.04			0.06		0.06
Primm, Nv	0.04	0.07				0.06
Red Canyon, Ut	0.04	0.07			0.07	
Rest Area New Mexico Exit #42	0.04		0.06		0.07	
Rockford, Il - Home				0.06	0.07	0.06
Santa Fe, Ca	0.04		0.06			0.06
Scottsdale, Az - Orange Tree Resort	0.04	0.07			0.07	
Searchlight, Nv		0.07	0.06		0.07	
Sedona, Az - Quality Inn King's Ransom	0.04			0.06		0.06
Sedona, Az And Williams, Az	0.04	0.07		0.06		
Simsbury,Ct	0.04	0.07		0.06		
Sun Lakes		0.07		0.06	0.07	
Supai, Az			0.06	0.06	0.07	
Texas		0.07	0.06		0.07	
Torny, Ut	0.04			0.06		0.06
Tusayan, Az - Quality Inn Suite		0.07	0.06		0.07	
Valle, Az - Hotel	0.04	0.07				0.06
Williams, Az - Days Inn	0.04	0.07			0.07	
Williams, Az - Fray Marcos	0.04	0.07			0.07	
Williams, Az And Tusayan, Az	0.04				0.07	0.06
Winslow, Az - Homolovi State Park	0.04				0.07	0.06
Zion Mountain Resort	0.04	0.07	0.06			
A Campground 50 Miles South Of Gc	0.04					0.06
Anassazi Inn	0.04					0.06

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
Atlanta, Ga	0.04					0.06
Blanding, Ut - Devil's Canyon Campground			0.06	0.06		
Bloomfield, Nm			0.06	0.06		
Boulder, Co		0.07			0.07	
Bountiful, Ut	0.04					0.06
Camped In Kaibab Nf			0.11			
Capital Reef Nat'l Park, Adjacent To Torrey Ut			0.11			
Carefree, Az - Boulders				0.06		0.06
Cave Creek, Az				0.13		
Columbus, Oh	0.04					0.06
Come Directly To Grand Canyon	0.04		0.06			
Day Trip		0.07		0.06		
Days Inn	0.04					0.06
Dont Remember - It Was On I 40 East	0.04					0.06
Drove To Canyon	0.04			0.06		
Drove Whole Day From Home	0.04		0.06			
Florida - Home	0.04					0.06
Fort Collins, Co	0.04	0.07				
Grand Canyon Koa	0.04					0.06
Grand Canyon National Park - Lodge On The Rim	0.04	0.07				
Grand Canyon Village	0.09					
Gray Mountain, Az	0.04					0.06
Holiday Inn	0.04	0.07				
Hoover Dam			0.06		0.07	
Houston,Tx	0.04					0.06
Jacob Lake Campground			0.11			
Kiabab N.F.			0.11			
Kingman, Az (Awful)	0.04					0.06
Lake Forest, Ca - Home	0.04					0.06
Lake Forest, Ca			0.11			
Las Vegas, Az (Friend's Home)				0.06		0.06
Las Vegas, Nv - Home			0.06		0.07	
Lees Ferry Campground			0.11			
Litchfield Park, Az - Home			0.06		0.07	
Los Angeles, Ca - Home			0.06			0.06
Marble Canyon, Az				0.13		
Mesa Verde National Park -	0.04				0.07	

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border	State Route 64 (Cameron to GCNP East Entrance	Interstate 17	State Route 64 (Williams to GCNP)
Fairview Lodge						
Mt Carmel, Ut - Best Western Hotel				0.06	0.07	
National Forest South Of Gcnp	0.04					0.06
Navajo National Monument	0.04					0.06
Nowhere	0.04					0.06
Oak Creek Canyon, Az			0.06			0.06
Page, Az - Wahweap Campground			0.06	0.06		
Pagose Springs, Co - Home	0.04					0.06
Paris Casino			0.06		0.07	
Pembrook Pines, Fl	0.04					0.06
Peoria, Az - Hotel	0.04					0.06
Phoenix And Tucson, Az		0.07			0.07	
Phoenix, Az - Legacy Golf Resort	0.04				0.07	
Raton, Nm			0.06	0.06		
Right Outside Grand Canyon From Flagstaff			0.06		0.07	
Riverton, Ut				0.13		
Roswell, Nm			0.06			0.06
San Diego, Ca - Home	0.04	0.07				
San Diego, Ca To Williams, Az			0.06		0.07	
San Francisco, Ca						0.12
San Jose, Ca	0.04					0.06
Santa Rosa, Nm	0.04					0.06
Scottsdale, Az - Hospitality Suite Resort			0.06	0.06		
Scottsdale, Chandler, Tucson - Home	0.04		0.06			
Sedona, Az And Grand Canyon Village		0.07		0.06		
Telluride, Co	0.04					0.06
Tempe, Az	0.04			0.06		
The Grand Hotel				0.06		0.06
Thunderbird Lodge, Chinle, Az			0.11			
Tombstone, Az		0.07	0.06			
Tuscon Az				0.06	0.07	
Utah	0.04	0.07				
Williams	0.09					
Williams, Az - Best Western	0.04		0.06			
Williams, Az - Holiday Inn	0.04					0.06

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border)	State Route 64 (Cameron to GCNP East Entrance)	Interstate 17	State Route 64 (Williams to GCNP)
Willimas, Az - Koa	0.04					0.06
Windsor, Co			0.06	0.06		
Yosemite National Park	0.04					0.06
Zion Springdale			0.11			
Anchorage, Ak	0.04					
Branson, Mo			0.06			
Canyonville, Ut			0.06			
Capital Reef National Park			0.06			
Chicago, Il			0.06			
Colorado			0.06			
Coral Pink Sand Dunes State Park			0.06			
Davis, Ca			0.06			
Del Mar, Ca	0.04					
Edgar, Az			0.06			
El Dorado Hills, Ca						0.06
El Mirage Rv Park				0.06		
El Paso, Tx				0.06		
Grand Canyon (Quality Inn)			0.06			
Grand Canyon Inn					0.07	
Houston, Tx - Home			0.06			
Jacob Lake Inn, Az				0.06		
Kaibab National Forest			0.06			
Keams Canyon, Az			0.06			
La Grande, Or			0.06			
La Verkin, Ut			0.06			
La Verne, Ca			0.06			
Laguna Niguel, Ca	0.04					
Las Vegas, Nv - Big Mistake	0.04					
Lee's Ferry, Az - Campground	0.04					
Lone Pine, Az			0.06			
Luke Afb, Az	0.04					
Mayer, Az - Home						0.06
Moab Ut		0.07				
Munds Park, Az			0.06			
Navajo, Nm			0.06			
Outside Of Zion Np			0.06			
Pager Springs, Co			0.06			
Right Outside Entrance To Grand Canyon						0.06
Rimrock, Az	0.04					

Location	Interstate 40	State Route 180 (Flagstaff to GCNP)	US Highway 89 (Flagstaff to Cameron to Utah border	State Route 64 (Cameron to GCNP East Entrance	Interstate 17	State Route 64 (Williams to GCNP)
Riverton, Ut - Home		0.07				
Rochester, Mn				0.06		
San Antonio, Tx			0.06			
Sand Dunes						0.06
Santa Monica, Ca	0.04					
Seligman, Az - Koa	0.04					
St George, Ut; Zion Np; Bryce Np; And Page, Az			0.06			
St Louis, Mo			0.06			
Surprise, Az - Sun City Grand			0.06			
Taos, Nm				0.06		
Tusayan, Az - Motel			0.06			
Twenty-Nine Palms, Ca			0.06			
Valley						0.06
Williams, Az - In Our Motorhome For 1 Wk			0.06			
Yucca Valley, Ca						0.06
Zion National Park - Lodge			0.06			

**APPENDIX C:
WHERE DID YOU STAY AFTER YOU LEFT GCNP?
(PERCENTAGES BY ROADS TRAVELED)**

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border	State Route 64 (Cameron To GCNP East Entrance	Interstate 17	State Route 64 (Williams To GCNP)
Flagstaff, Az	10.44	18.19	10.96	11.94	14.90	9.02
Las Vegas, Nv	12.33	6.89	9.83	8.64	5.44	14.00
Phoenix, Az	6.36	10.11	6.27	7.12	17.29	7.59
Sedona, Az	5.92	10.37	6.27	7.24	11.62	6.05
Williams, Az	9.52	2.82	3.90	4.96	4.47	9.96
Page, Az	3.51	3.74	6.33	4.96	3.06	4.15
Kingman, Az	2.59	2.30	1.86	3.05	1.12	2.73
Tusayan, Az	2.50	2.76	1.53	2.54	2.31	2.31
Scottsdale, Az	1.27	1.90	1.64	1.91	3.65	1.36
Albuquerque, Nm	2.19	1.58	0.90	1.59	0.75	1.48
Zion National Park, Ut	1.05	1.71	2.60	1.65	1.04	0.42
Bryce Canyon National Park, Ut	1.36	1.31	2.60	1.46	0.45	0.95
Kanab, Ut	1.10	0.92	2.66	1.40	0.60	1.19
Gallup, Nm	1.32	1.64	0.85	1.40	0.75	0.95
Holbrook, Az	1.45	0.98	1.13	0.64	0.52	1.25
Kayenta, Az	1.05	0.46	1.30	1.21	0.75	1.07
Moab, Ut	0.88	1.05	1.02	1.46	0.37	0.89
Tucson, Az	0.75	0.66	0.56	0.64	1.56	1.07
St George, Ut	0.31	0.79	2.32	0.70	0.60	0.30
Cortez, Co	0.79	0.92	0.45	0.95	0.22	1.48
Laughlin, Nv	1.18	0.46	0.40	0.70	0.45	1.19
Cameron, Az	0.61	0.46	1.02	1.02	0.75	0.53
Prescott, Az	1.14	0.92	0.23	0.57	0.22	0.89
Jacob Lake, Az	0.79	0.33	1.41	0.44	0.45	0.53
Winslow, Az	1.01	0.59	0.51	0.95	0.22	0.65
Cedar City, Ut	0.44	0.53	1.36	0.70	0.30	0.53
San Diego, Ca	0.70	0.33	0.68	0.70	0.52	0.59
Mesa, Az	0.39	0.66	0.45	0.44	0.67	0.65
Boulder City, Nv	0.57	0.53	0.40	0.64	0.22	0.65
Needles, Ca	0.44	0.46	0.56	0.44	0.60	0.53
Tuba City, Az	0.53	0.26	0.62	0.44	0.52	0.59
Monument Valley, Az	0.31	0.53	0.68	0.89	0.30	0.30
Cottonwood, Az	0.31	0.33	0.51	0.64	0.60	0.42
Springdale, Ut	0.39	0.46	1.02	0.44	0.07	0.24
Home	0.53	0.66	0.23	0.32	0.37	0.53
Los Angeles, Ca	0.66	0.72	0.34	0.38	0.15	0.30
Barstow, Ca	0.83	0.39	0.40	0.19		0.53

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border)	State Route 64 (Cameron To GCNP East Entrance)	Interstate 17	State Route 64 (Williams To GCNP)
Salt Lake City, Ut	0.48	0.33	0.90	0.25	0.30	0.24
Tuscon, Az	0.26	0.33	0.45	0.32	0.82	0.53
Lake Havasu City, Az	0.61	0.20	0.28	0.38	0.15	0.71
Tropic, Ut	0.44	0.59	0.56	0.64	0.15	0.06
Durango, Co	0.44	0.39	0.40	0.32	0.52	0.30
Tempe, Az	0.26	0.46	0.23	0.38	0.89	0.30
Chandler, Az	0.26	0.59	0.40	0.25	0.60	0.24
Payson, Az	0.35	0.20	0.28	0.44	0.37	0.47
Mesquite, Nv	0.22	0.26	0.68	0.38	0.37	0.12
Wickenburg, Az	0.44	0.13	0.45	0.38	0.15	0.36
Page, Az - Lake Powell	0.39	0.33	0.23	0.25	0.15	0.47
Arizona	0.39	0.07	0.23	0.44	0.22	0.42
Fountain Hills, Az	0.18	0.59		0.25	0.52	0.30
California	0.31	0.33	0.17	0.25	0.15	0.42
Glendale, Az	0.39	0.53		0.13	0.30	0.30
Mesa Verde National Park, Co	0.31	0.07	0.45	0.25	0.52	0.06
Richfield, Ut	0.22	0.26	0.40	0.38	0.22	0.18
Fredonia, Az	0.22	0.26	0.23	0.25	0.52	0.18
Hurricane, Ut	0.22	0.20	0.62	0.32	0.07	0.12
Provo, Ut	0.13	0.20	0.51	0.25	0.15	0.36
Tucumcari, Nm	0.31	0.26	0.17	0.25	0.45	0.18
Henderson, Nv	0.35	0.26	0.11	0.25	0.15	0.30
Blanding, Ut	0.26	0.20	0.34	0.19	0.15	0.18
Grand Junction, Co	0.26	0.07	0.34	0.19	0.22	0.24
Grand Canyon, Az	0.22	0.33	0.17	0.19	0.22	0.12
New Mexico	0.31	0.20	0.11	0.13	0.15	0.30
Green Valley, Az	0.18	0.20	0.23	0.19	0.15	0.24
Prescott Valley, Az	0.09	0.07	0.28	0.44	0.15	0.18
Canyon De Chelly National Monument, Az	0.13	0.20	0.11	0.38	0.22	0.12
Bakersfield, Ca	0.13	0.13	0.17	0.19	0.22	0.18
Lake Powell, Az	0.04	0.26	0.28	0.19	0.15	0.12
Mt Carmel, Ut	0.09	0.26	0.28	0.13	0.15	0.12
Colorado	0.18		0.17	0.19	0.07	0.30
Peach Springs, Az	0.18		0.23	0.25	0.30	
Camp Verde, Az	0.13	0.07	0.17	0.06	0.22	0.24
Gilbert, Az	0.13	0.20	0.11	0.13	0.22	0.12
Grand Canyon National Park, Az	0.09	0.13	0.17	0.38		0.12
Grants, Nm	0.09		0.17	0.19	0.22	0.24
Vista, Ca	0.13	0.13	0.17	0.19	0.07	0.18
Bryce Canyon National Park, Ut	0.09	0.13	0.17	0.19	0.15	0.12
Logan, Ut	0.18	0.07	0.11	0.13	0.07	0.24

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border)	State Route 64 (Cameron To GCNP East Entrance)	Interstate 17	State Route 64 (Williams To GCNP)
Rowland Heights, Ca	0.18		0.17	0.13	0.07	0.18
Santa Fe, Nm	0.04	0.20	0.17	0.19	0.22	
Valle, Az	0.09	0.07	0.06	0.19	0.22	0.18
Amarillo, Tx	0.13	0.13	0.11	0.13	0.15	0.06
Chino Valley, Az	0.09	0.07		0.06	0.30	0.24
Denver, Co	0.09	0.20	0.11	0.19	0.15	
Fredonia, Az - Kaibab Lodge	0.13	0.20	0.17	0.19		
Mexican Hat, Ut	0.13		0.28	0.13	0.07	0.06
Pagosa Springs, Co	0.13	0.07	0.17	0.13	0.07	0.12
Panguitch, Ut	0.09	0.13	0.17	0.13	0.07	0.12
Rossman, Ca	0.18			0.25		0.24
Sante Fe, Nm	0.13	0.13	0.06	0.06	0.15	0.18
Buckeye, Az	0.04		0.11	0.19	0.15	0.18
Chinle, Az	0.09	0.13	0.06	0.13	0.22	0.06
Nevada	0.13		0.06	0.19	0.15	0.12
Bullhead City, Az		0.07	0.28	0.19	0.07	
California, Sequoia Kings Canyon	0.09	0.13	0.11	0.13		0.12
Ft Tuthill, Az	0.09	0.13	0.11		0.15	0.12
Gold Canyon, Az	0.13	0.13	0.06	0.13	0.07	0.06
Joshua Tree National Park, Ca	0.13	0.07	0.17	0.19		
Mt Carmel Junction, Ut	0.09		0.23	0.25		
Seattle, Wa	0.09	0.07	0.06	0.06	0.15	0.18
Yuma, Az	0.13	0.13	0.11	0.06	0.07	0.06
Lake Isabella, Ca	0.13		0.11	0.13		0.12
Pinetop, Az	0.09	0.07	0.06	0.06	0.07	0.18
Santa Barbara, Ca	0.13	0.07	0.06		0.07	0.18
Seligman, Az	0.04	0.13	0.06	0.13	0.07	0.12
Tusayan, Az - Holiday Inn	0.04	0.20		0.06	0.22	0.06
Apache Junction, Az	0.13	0.07		0.06	0.07	0.12
Canyonville, Ut	0.09	0.13	0.11	0.13		
Dallas, Tx	0.13	0.13				0.18
Kirkland, Wa	0.04		0.11	0.13		0.18
Michigan	0.09	0.13	0.11	0.13		
Oak Creek Canyon, Az	0.04	0.13	0.11	0.13	0.07	
On Airplane, Flying Home	0.04	0.07	0.17	0.06	0.07	0.06
Raton, Nm	0.13		0.06	0.06		0.18
San Antonio, Tx	0.13				0.15	0.18
South Rim Bright Angel Lodge	0.09		0.11	0.13		0.12
Utah	0.13		0.17	0.06		0.06
Valencia, Ca	0.18					0.24
Belmont, Az	0.09	0.07	0.11	0.06	0.07	
Farmington, Nm	0.09		0.11		0.15	0.06

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border)	State Route 64 (Cameron To GCNP East Entrance)	Interstate 17	State Route 64 (Williams To GCNP)
Gouldings, Ut	0.09	0.13	0.11	0.06		
La Puente, Ca	0.09	0.13	0.06	0.13		
Springerville, Az	0.09	0.13	0.06	0.13		
Twin Falls, Id	0.04	0.13		0.13	0.15	
Verde Valley, Az	0.04	0.13	0.06	0.06	0.07	0.06
Zion National Park - Campground, Ut		0.07	0.11	0.13	0.07	0.06
Camping	0.04	0.07	0.11		0.07	0.06
Death Valley, Ca	0.09			0.13		0.12
Grand Canyon National Lodge - Bright Angel Lodge	0.04	0.07	0.06	0.06	0.07	0.06
Hanford, Ca	0.04		0.06	0.06	0.15	0.06
Hanford, Or	0.09	0.13		0.13		
Harrisburg, Pa	0.09			0.13		0.12
Kaibab Lodge		0.13	0.11	0.13		
Limon, Co	0.09	0.13	0.11			
Manhattan Beach, Ca	0.04	0.07	0.06	0.06	0.07	0.06
Monte Carlo, Las Vegas Nv	0.09	0.13			0.15	
On I-40	0.04	0.07	0.06	0.06	0.07	0.06
Parowan, Ut		0.07	0.17	0.06	0.07	
Peoria, Az - Hotel	0.04	0.07	0.06	0.06	0.07	0.06
Ridgecrest, Co	0.09	0.13		0.13		
San Carlos, Ca	0.04	0.07	0.06	0.06	0.07	0.06
Scottsdale, Az (Home)	0.04	0.07		0.13	0.07	0.06
Surprise, Az (Home)	0.04	0.07	0.06	0.06	0.07	0.06
Tampa, Fl	0.09			0.06	0.07	0.12
Tombstone/Benson, Az	0.04		0.06	0.06	0.07	0.12
Tuscon, Az- Catalina State Park	0.09			0.13	0.15	
Webster, Tx	0.09	0.13				0.12
Williams, Az - Rv Park	0.04	0.07	0.06	0.06	0.07	0.06
Acoma, Nm - Sky City	0.09		0.06	0.06		0.06
Arcosanti Community, Az	0.09				0.07	0.12
Bolder City, Nv	0.04	0.07	0.06	0.06	0.07	
Brenan, Az	0.04	0.07	0.06	0.06		0.06
Clints Well, Az	0.04	0.07	0.11	0.06		
Columbus, Oh	0.04	0.07	0.06		0.07	0.06
Dewey, Az (Home)	0.04	0.07		0.06	0.07	0.06
Duschene, Ut	0.04	0.07	0.06	0.06	0.07	
Florida	0.04	0.07	0.06	0.06		0.06
Grand Canyon National Park - Maswick Lodge	0.04	0.07	0.06		0.07	0.06
Hisperia, Ca	0.04	0.07	0.06	0.06		0.06

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border)	State Route 64 (Cameron To GCNP East Entrance)	Interstate 17	State Route 64 (Williams To GCNP)
Hollywood, Ca	0.04		0.06	0.06	0.07	0.06
Lee's Ferry, Az	0.09			0.13		0.06
Ludlow, Ca	0.13	0.13				
Marble Canyon, Az	0.09		0.11			0.06
Mayer, Az		0.13	0.06		0.15	
Ohio	0.04		0.06	0.06	0.07	0.06
On A Flight From Phoenix To Newark, Nj	0.04	0.07	0.06	0.06		0.06
Orange, Ca	0.04	0.07	0.06		0.07	0.06
Pahrump, Nv (Home)	0.04	0.07		0.06	0.07	0.06
Palm Springs, Ca	0.04	0.07	0.06	0.06	0.07	
Pittsburg, Pa	0.04	0.07	0.06	0.06	0.07	
Primm, Nv	0.04	0.07	0.06	0.06	0.07	
Riverside, Ca	0.04	0.07	0.06	0.06		0.06
Riverton, Ut	0.04			0.19		0.06
Rockville, Ut		0.07	0.06	0.06	0.07	0.06
Running Springs, Ca (Home)	0.04	0.07	0.06		0.07	0.06
Sacramento, Ca	0.09			0.06	0.15	
Sylmar, Ca And Webster, Tx		0.07	0.06	0.06	0.07	0.06
Tucson, Az - Windmill Suites	0.04	0.07		0.06	0.07	0.06
Tuweap - Camping	0.04		0.06	0.06	0.07	0.06
76 Miles South Of Utah - Don't Remember Name		0.07	0.06	0.06		0.06
Alaska		0.07	0.06	0.06	0.07	
Black Canyon City, Az	0.04	0.07			0.07	0.06
Brian Head, Ut			0.23			
Cannonville, Ut	0.04	0.07		0.06		0.06
Carefree, Az	0.04	0.07	0.06	0.06		
Cattail Cove Lake Havasu City, Az			0.06	0.06		0.12
Cedar Breaks National Monument		0.07	0.11		0.07	
Claremont, Ca	0.04	0.07	0.06	0.06		
Corona, Ca	0.04		0.06	0.06		0.06
Echo Bay, Nv	0.04	0.07	0.06	0.06		
Espenola, Nm	0.04		0.06		0.07	0.06
Eugene, Or	0.04	0.07		0.06		0.06
Fontana, Ca	0.04	0.07		0.06	0.07	
Harrisburg, Pa (Home)	0.04	0.07			0.07	0.06
Heading West Toward Sequoia Kings	0.04		0.06		0.07	0.06
Holbrook, Az And Hurricane, Ut	0.04	0.07		0.06		0.06
Houston, Tx	0.04		0.06	0.06		0.06
Kanola, Ut	0.04		0.06	0.06		0.06

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border)	State Route 64 (Cameron To GCNP East Entrance)	Interstate 17	State Route 64 (Williams To GCNP)
Laguna, Ca	0.04	0.07			0.07	0.06
Lake Powell/Page, Az			0.11	0.13		
Las Vegas, Nv - Friends Home	0.04		0.06	0.06		0.06
Litchfield Park, Az			0.11		0.15	
Monticello, Ut		0.07	0.06		0.07	0.06
Monument Valley, Az - Gouldings Lodge	0.04			0.06	0.07	0.06
Motel		0.07	0.06	0.06	0.07	
Munds Park, Az			0.11	0.06	0.07	
North Rim, Az			0.11	0.13		
Overgaard, Az	0.04		0.06	0.06		0.06
Redlands, Ca	0.04		0.06	0.06		0.06
Reno, Nv	0.04		0.06		0.07	0.06
Ridgecrest, Ca	0.04	0.07	0.06	0.06		
Rim Rock, Az	0.04	0.07	0.06	0.06		
Rv Camp Morefield Mesa Verde			0.11	0.13		
San Diego, Ca - Pine Valley Hotel		0.07	0.06	0.06	0.07	
Sedona, Az And Tusayan, Az	0.04	0.07	0.06	0.06		
Silverwood, Ut	0.13	0.07				
Sky City, Nm	0.09			0.13		
Sun City, Az	0.04	0.07			0.07	0.06
Tonopa, Nv	0.04		0.06	0.06		0.06
Tuscon, Az - Catalina State Park	0.04			0.06	0.07	0.06
Twenty-Nine Palms, Ca		0.07	0.06		0.07	0.06
Utah - Camping Was Unable To Get A Rv Spot At The Park	0.04	0.07		0.06		0.06
Whittier, Ca	0.04			0.06	0.07	0.06
Williams, Az - Fairfield Inn	0.04	0.07	0.06			0.06
Williams, Az And Laughlin, Nv	0.04			0.06	0.07	0.06
Zion National Park - Watchman Campground, Ut	0.04		0.06	0.06		0.06
Zion National Park		0.07	0.06	0.06	0.07	
Alamosa, Co	0.04		0.06	0.06		
Amtrak	0.04	0.07	0.06			
Apple Valley, Ca (Home)	0.04	0.07				0.06
Bishop, Ca	0.04				0.07	0.06
Boulder, Co	0.04			0.06		0.06
Bryce Canyon National Park After North Rim And Garden Grove	0.04		0.06			0.06
Calexico, Ca	0.04			0.06		0.06
Campground In Waheap	0.04			0.06		0.06
Casa Grande, Az	0.04				0.07	0.06

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border	State Route 64 (Cameron To GCNP East Entrance	Interstate 17	State Route 64 (Williams To GCNP)
Chula Vista, Ca	0.04				0.07	0.06
Clarkdale, Az And Tucson, Az			0.06	0.06	0.07	
Cordes Lakes, Az	0.04		0.06	0.06		
Cottonwood, Az And Kingman, Az			0.06	0.06		0.06
Dalheart, Tx		0.07		0.06		0.06
Danis, Ca	0.04				0.07	0.06
Drove To Airport	0.04			0.06		0.06
Escondido, Ca	0.04				0.07	0.06
Ferron, Ut	0.04			0.06		0.06
Flagstaff, Az And Las Vegas, Nv		0.07		0.06		0.06
Flagstaff, Az And Tucson, Az		0.07		0.06		0.06
Flight Home	0.04		0.06	0.06		
Goodyear ,Az	0.04				0.07	0.06
Grand Canyon National Park - Grand Canyon Lodges	0.04	0.07	0.06			
Grand Canyon National Park - Grand Canyon Village			0.06	0.06	0.07	
Grand Canyon National Park - North Rim	0.04			0.06		0.06
Harrisburg, Ut	0.04			0.06		0.06
Hualapai Reservation, Az	0.04		0.06		0.07	
In Police Station	0.04				0.07	0.06
Just Outside Phoenix.	0.04	0.07			0.07	
Kaibab Lodge, Az-Horrible!	0.04		0.06	0.06		
Keams Canyon, Az	0.04		0.06	0.06		
Litchfield Park, Az (Home)			0.06	0.06		0.06
Mccammon, Id	0.04			0.06		0.06
No Clue, Spot Is Named Hatch On 89, Coming From Bryce Canyon	0.04		0.06	0.06		
North Liberty, Iowa	0.04				0.07	0.06
On Trail To Los Angeles, Ca		0.07			0.07	0.06
Peoria, Az		0.07			0.15	
Phoenix, Az And Page, Az	0.04		0.06		0.07	
Pleasant Grove, Ut		0.07			0.07	0.06
Pleasant, Ut	0.04			0.06	0.07	
Puerto Penasco, Sonora, Mexico	0.04		0.06		0.07	
Quality Inn - Kingsway Ransom			0.06	0.06		0.06
Ruby's Inn		0.07	0.06		0.07	
Santa Rosa, Nm	0.04	0.07				0.06
Sedona And Tusayan	0.04	0.07		0.06		
Snow Canyon, Ut	0.04		0.06	0.06		
St David, Az		0.07	0.06		0.07	

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border	State Route 64 (Cameron To GCNP East Entrance	Interstate 17	State Route 64 (Williams To GCNP)
Sunnyvale, Ca (Home)	0.04				0.07	0.06
Surprise, Az	0.04				0.07	0.06
Swains Creek, Ut			0.06	0.06	0.07	
The Campsite At Monument V	0.04			0.06		0.06
Tucson, Az - Private Home	0.04			0.06		0.06
Tucson, Az; Phoenix, Az; Colorado Springs, Co; And Berkley,	0.04	0.07			0.07	
Virgin, Ut	0.04	0.07				0.06
Arches National Park, Ut						0.12
Baker, Ca			0.06	0.06		
Basking Ridge, Nj	0.04					0.06
Bluff, Ut			0.06		0.07	
Califonia	0.04					0.06
Cedar City, Ut And Cincinnati, Oh	0.04				0.07	
Clarkdale, Az (Home)	0.04					0.06
Death Valley National Park		0.07		0.06		
Drive From Phx Back Home		0.07				0.06
El Mirage Rv Park					0.07	0.06
El Paso, Tx		0.07				0.06
England		0.07		0.06		
Everett, Wa		0.07			0.07	
Flew Home To London, England			0.06	0.06		
Glendale, Ut			0.11			
Globe, Az	0.04					0.06
Golden Valley, Az			0.06	0.06		
Goodyear, Az	0.04					0.06
Kiabab National Forest			0.11			
Kingsburg, Ca	0.04					0.06
La Marque, Tx	0.04		0.06			
Las Vegas, Nv - Part Of Tour	0.04					0.06
Las Vegas, Nv Or Home Los Osos, Ca - Maybe	0.04		0.06			
Las Vegas,Nv And Prescott, Az	0.04					0.06
Luke Afb, Az	0.04					0.06
Mormon Lake, Az		0.07			0.07	
Naperville, Il	0.04	0.07				
On The Road	0.04	0.07				
Page, Az And Mesquite, Nv			0.06	0.06		
Page, Az; Lone Rock, Az; And Page, Az (Lake Powell)	0.04		0.06			
Pasadena, Ca				0.06		0.06

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border)	State Route 64 (Cameron To GCNP East Entrance)	Interstate 17	State Route 64 (Williams To GCNP)
Petrified Forest, Az	0.04					0.06
Quality Inn Outside The Park Roy, Ut		0.07	0.06	0.06	0.07	
San Francisco, Ca			0.06		0.07	
Sedona (Oak Creek Village)	0.04	0.07				
Sedona, Az - Camping	0.04		0.06			
Sedona, Az - Oak Creek	0.04					0.06
Sedona, Az - Rv Resort	0.04					0.06
Show Low, Az		0.07			0.07	
Silverton, Co	0.04	0.07				
South West Indian School	0.04		0.06			
St George, Az		0.07		0.06		
St George, Ut (Home)	0.04					0.06
Sun Lakes			0.06	0.06		
Texas	0.04	0.07				
Tuweap Camping			0.11			
Utah - Near Bryce Canyon			0.06	0.06		
Vanhorne, Tx	0.04					0.06
Wahweap Lodge Lake Powell, Az			0.11			
Weatheford, Tx			0.06	0.06		
White Mountains, Az - Camping	0.04					0.06
Williams, Az - Best Western In	0.04					0.06
Williams, Az - Days Inn		0.07			0.07	
Williams, Az - Overnight, Then To Santa Fe, Nm	0.04				0.07	
Amtrak - En Route To Los Angeles	0.04					
Anthem, Az						0.06
Beaver, Ut	0.04					
Brigham City, Ut				0.06		
Coral Pink Sand, Ut			0.06			
El Cajon, Ca (Home)			0.06			
Elk City, Nv			0.06			
Flagstaff, Az And Phoenix, Az						0.06
Friends Home		0.07				
Grand Canyon National Park - El Tovar					0.07	
Hatch, Ut			0.06			
I Live In Quartzsite Az. My Son Flew Back To Seattle From Ph			0.06			
Jerome, Az			0.06			
Kanab, Ut And Blanding, Ut			0.06			
Kansas			0.06			

Location	Interstate 40	State Route 180 (Flagstaff To GCNP)	US Highway 89 (Flagstaff To Cameron To Utah Border	State Route 64 (Cameron To GCNP East Entrance	Interstate 17	State Route 64 (Williams To GCNP)
Kirkland Afb Nm	0.04					
Las Vegas, Nv - Monte Carlo				0.06		
Lee Vining, Ca						0.06
National Forest						0.06
Page, Az - Lake Powell - Wahweap Lodge		0.07				
Palm Desert, Ca	0.04					
Palmdale, Ca			0.06			
San Bernadine, Ca			0.06			
San Jose, Ca			0.06			
Second Mesa, Az				0.06		
Sedona And Phoenix	0.04					
Truth Or Consequences, Nm			0.06			
Tucamcari, Nm			0.06			
Williams, Az - Koa	0.04					
Williams, Az And Flagstaff, Az	0.04					
Yuca Valley, Ca						0.06
Zion National Park - Zion Mountain Resort, Ut	0.04					
	100.00	100.00	100.00	100.00	100.00	100.00

**APPENDIX D:
WHERE DID YOU SPEND THE NIGHT PRIOR TO YOUR
ARRIVAL AT GRAND CANYON NATIONAL PARK?**

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Flagstaff, Az	718	17.19
Williams, Az	507	12.14
Las Vegas, Nv	332	7.95
Sedona, Az	244	5.84
Phoenix, Az	210	5.03
Tusayan, Az	149	3.57
Page, Az	131	3.14
Kanab, Ut	78	1.87
Bryce Canyon National Park, Ut	61	1.46
St George, Ut	61	1.46
Kingman, Az	53	1.27
Tucson, Az	51	1.22
Scottsdale, Az	50	1.20
Jacob Lake, Az	48	1.15
Las Vegas, Az	45	1.08
Holbrook, Az	43	1.03
Albuquerque, Nm	42	1.01
Kayenta, Az	38	0.91
Tuba City, Az	37	0.89
Cameron, Az	36	0.86
Prescott, Az	35	0.84
Laughlin, Nv	33	0.79
Durango, Co	29	0.69
Zion National Park	29	0.69
Hurricane, Ut	28	0.67
Springdale, Ut	27	0.65
Moab, Ut	25	0.60
Mesa, Az	21	0.50
Cottonwood, Az	20	0.48
Gallup, Nm	20	0.48
Lake Powell, Az	18	0.43
Monument Valley	17	0.41
Mesquite, Nv	16	0.38
Cedar City, Ut	15	0.36
Santa Fe, Nm	15	0.36
Arizona	13	0.31
Kaibab Lodge	13	0.31
Camp Verde, Az	12	0.29
Grand Canyon National Park	12	0.29
Los Angeles, Ca	12	0.29
Winslow, Az	12	0.29

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Bluff, Ut	9	0.22
Canyon De Chelly, Az	9	0.22
Needles, Ca	9	0.22
Page, Az - Lake Powell	9	0.22
Blanding, Ut	8	0.19
Cortez, Co	8	0.19
Grand Canyon, Az	8	0.19
Green Valley, Az	8	0.19
Lake Havasu City, Az	8	0.19
Zion Np	8	0.19
Barstow, Ca	7	0.17
Chandler, Az	7	0.17
Chinle, Az	7	0.17
Glendale, Az	7	0.17
Monument Valley National Park	7	0.17
Mt Carmel Junction, Ut	7	0.17
Salt Lake City, Ut	7	0.17
Apache Junction, Az	6	0.14
Boulder City, Nv	6	0.14
Farmington, Nm	6	0.14
Payson, Az	6	0.14
Prescott Valley, Az	6	0.14
Richfield, Ut	6	0.14
Scottsdale Az	6	0.14
Atlanta, Ga	5	0.12
Bryce National Canyon Park - Bryce Canyon Lodge, Ut	5	0.12
Fredonia, Az	5	0.12
Greeley Colorado	5	0.12
Henderson, Nv	5	0.12
Hoover Dam	5	0.12
New Mexico	5	0.12
Anthem, Az	4	0.10
Brian Head, Ut	4	0.10
Chino Valley, Az	4	0.10
Dead Horse Ranch State Park	4	0.10
Edgewood, Nm	4	0.10
Home	4	0.10
Jackson, Wy	4	0.10
L.As Vegas, Nv	4	0.10
Lee's Ferry, Az	4	0.10
Mexican Hat, Ut	4	0.10
Monument Valley, Az	4	0.10
Panguitch, Ut	4	0.10
Peach Springs, Az	4	0.10
Quartzite, Az	4	0.10

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Raleigh, Nc	4	0.10
Ramsey, Nj	4	0.10
Rockville, Ut	4	0.10
San Diego, Ca	4	0.10
Saratoga Springs, Ut	4	0.10
Telluride, Co	4	0.10
Tusayan, Az - Best Western	4	0.10
Tusayan, Az - Fairfield Inn	4	0.10
Yellowstone National Park	4	0.10
Ames, Ia	3	0.07
Bakersfield, Ca	3	0.07
Bishop, Ca	3	0.07
Blythe, Ca	3	0.07
Bullhead City, Az	3	0.07
Cameron, Az - Cameron Trading Post	3	0.07
Casa Grande, Az	3	0.07
Cattail Cove Lake Havasu City, Az	3	0.07
Cibola National Forest, Nm	3	0.07
Colorado City, Az	3	0.07
Dallas, Tx	3	0.07
Detroit, Mi	3	0.07
East Of Zion National Park	3	0.07
Grand Canyon National Park - Grand Canyon Village	3	0.07
Grand Canyon National Park - Lodge	3	0.07
Irvine, Ca	3	0.07
Jacob Lake, Az - Campground	3	0.07
Joshua Tree National Park	3	0.07
Kansas City, Mo	3	0.07
Lake Mead, Nv	3	0.07
Lee's Ferry, Az - Marble Canyon Lodge	3	0.07
Mayer, Az	3	0.07
Mesa Verde National Park	3	0.07
Outside Flagstaff	3	0.07
Petrified Forest, Az	3	0.07
Provo, Ut	3	0.07
Roosevelt, Az	3	0.07
Sacramento, Ca	3	0.07
San Fransisco, Ca	3	0.07
Santa Barbara, Ca	3	0.07
Showlow, Az	3	0.07
Sierra Vista, Az	3	0.07
Surprise, Az	3	0.07
Tampa, Fl	3	0.07
Torny, Ut	3	0.07
Tucumcari, Nm	3	0.07

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Tumacacori, Nm	3	0.07
Tusayan, Az - Holiday Inn Express	3	0.07
Tusayan, Az Rodeway Inn - Redfeather	3	0.07
Williams	3	0.07
Zion National Park, Ut	3	0.07
Anaheim	2	0.05
Belmont, Az	2	0.05
Blm Land, Ut	2	0.05
California	2	0.05
Camped In Kaibab Nf	2	0.05
Cannonville/Bryce Canyon Np	2	0.05
Capital Reef Nat'l Park, Adjacent To Torrey Ut	2	0.05
Capital Reef National Park	2	0.05
Cave Creek, Az	2	0.05
Congress, Az	2	0.05
Death Valley, Ca	2	0.05
Demotte Campground	2	0.05
Fountain Hills, Az	2	0.05
Ft Tuthill, Az	2	0.05
Grand Canyon Village	2	0.05
Grants, Nm	2	0.05
Greasewood, Az	2	0.05
Hollman Afb Nv	2	0.05
Hollman Afb, Nv	2	0.05
Homolovi Ruins State Park, Az	2	0.05
Hopi Reservation	2	0.05
Jacob Lake Campground	2	0.05
Jacob Lake, Az - Demotte Campground	2	0.05
Kiabab N.F.	2	0.05
Koa Salt Lake City Utah	2	0.05
Koa Seligman	2	0.05
Lake Forest, Ca	2	0.05
Lake Powell/Page, Az	2	0.05
Las Vegas, Nv - Luxor	2	0.05
Lees Ferry Campground	2	0.05
Litchfield Park, Az	2	0.05
Marble Canyon Lodge Lee's Ferry, Az	2	0.05
Marble Canyon Motel, Az	2	0.05
Marble Canyon, Az	2	0.05
Mesa Verde- Farview Lodge, Co	2	0.05
Moab Ut	2	0.05
Mt. Carmel Junction, Ut	2	0.05
Needles Ca	2	0.05
Nevada	2	0.05
Niles, Il	2	0.05

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
North Rim Lodge	2	0.05
Ouray, Co	2	0.05
Palm Springs, Ca	2	0.05
Peoria, Az	2	0.05
Phoenix	2	0.05
Primm, Nv	2	0.05
Randolph, Nc	2	0.05
Riverton, Ut	2	0.05
Rockville, Zion Np, Ut	2	0.05
San Francisco	2	0.05
San Francisco, Ca	2	0.05
San Miguel, Ca	2	0.05
Seligman, Az	2	0.05
Thunderbird Lodge, Chinle, Az	2	0.05
Tropic, Ut	2	0.05
Tusayan-Ten X Campground	2	0.05
Tusayan, Az - Grand Hotel	2	0.05
Tusayan, Az -Ten X Campground	2	0.05
Virgin ,Utah	2	0.05
Williams Fairfield Inn	2	0.05
Williams Koa	2	0.05
Williams Lodge	2	0.05
Williams, Az - Koa	2	0.05
Winslow, Az - Homolovi State Park	2	0.05
Yuma	2	0.05
Yuma, Az	2	0.05
Zion Mountain Resort	2	0.05
Zion National Park - Lodge	2	0.05
Zion National Park Before North Rim And Mesa Verde(Fairview	2	0.05
Zion National Park Lodge	2	0.05
Zion Springdale	2	0.05
A Campground 50 Miles South Of Gc	1	0.02
Airplane	1	0.02
Airplane From Japan T	1	0.02
Albuquerque, Nm And Sedona, Az	1	0.02
Amarillo, Tx	1	0.02
Anaheim, Ca	1	0.02
Anassazi Inn	1	0.02
Anchorage, Ak	1	0.02
Arizona City, Az	1	0.02
Ash Fork, Az	1	0.02
Asylmar, Ca	1	0.02
Aurora, Co	1	0.02
Avon Lake, Oh	1	0.02
Benson, Az	1	0.02

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Blanding, Ut - Devil's Canyon Campground	1	0.02
Bloomfield, Nm	1	0.02
Boston	1	0.02
Boulder, Co	1	0.02
Bountiful, Ut	1	0.02
Bowie, Md	1	0.02
Branson, Mo	1	0.02
Cameron, Az - Cameron Lodge	1	0.02
Campbell	1	0.02
Canyonville, Ut	1	0.02
Carefree, Az - Boulders	1	0.02
Carefree, Az	1	0.02
Chicago, Il	1	0.02
Chinle, Az - Thunderbird Lodge	1	0.02
Clarkdale, Az And Tucson, Az	1	0.02
Colorado	1	0.02
Columbus, Oh	1	0.02
Come Directly To Grand Canyon	1	0.02
Confort Inn Las Vegas	1	0.02
Coral Pink Sand Dunes State Park	1	0.02
Coral Pink State Park	1	0.02
Cordes Lakes, Az	1	0.02
Cottonwood And Kingman, Az	1	0.02
Creabland	1	0.02
Davis, Ca	1	0.02
Day Trip	1	0.02
Days Inn	1	0.02
Del Mar, Ca	1	0.02
Detroit	1	0.02
Directly For The Airport	1	0.02
Dont Remember - It Was On I 40 East	1	0.02
Drove All Night	1	0.02
Drove From Sacramento To Ca	1	0.02
Drove To Canyon	1	0.02
Drove Whole Day From Home	1	0.02
East Of Williams - Rest Stop	1	0.02
Edgar, Az	1	0.02
El Dorado Hills, Ca	1	0.02
El Mirage Rv Park	1	0.02
El Morro, Nm	1	0.02
El Paso, Tx	1	0.02
Eugene, Or	1	0.02
Everett, Wa	1	0.02
Flagstaff, Az - Ft Tuthill	1	0.02
Flagstaff, Az - Home	1	0.02

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Flagstaff, Az - Not A Very Safe Place	1	0.02
Flagstaff, Az - Woody Mountain Campground	1	0.02
Flagstaff, Az (South Rim). Page, Az (North Rim)	1	0.02
Flagstaff, Az After Ruidoso, Nm	1	0.02
Flagstaff, La Quinta Inn	1	0.02
Florida - Home	1	0.02
Fort Collins, Co	1	0.02
Fountain Valley, Ca	1	0.02
Friends House	1	0.02
Frisco, Co	1	0.02
Gilbert, Az	1	0.02
Gold Canyon, Az	1	0.02
Golden Valley, Az	1	0.02
Goulding, Ut	1	0.02
Gouldings Lodge At Monu	1	0.02
Gouldings Lodge In The	1	0.02
Grand Canyon "Blue Feather" Motel	1	0.02
Grand Canyon (Quality Inn)	1	0.02
Grand Canyon First Stop	1	0.02
Grand Canyon Inn	1	0.02
Grand Canyon Koa	1	0.02
Grand Canyon National Park - Bright Angel Lodge	1	0.02
Grand Canyon National Park - Lodge On The Rim	1	0.02
Grand Canyon National Park - Maswick Lodge	1	0.02
Grand Praire, Tx	1	0.02
Gray Mountain, Az	1	0.02
Holbrok, Az	1	0.02
Holiday Inn	1	0.02
Houston, Tx - Home	1	0.02
Houston,Tx	1	0.02
In Air Plane	1	0.02
In Airplane	1	0.02
In The Bryce Canyon	1	0.02
Jacob Lake And Tusayan, Az	1	0.02
Jacob Lake Inn, Az	1	0.02
Japan	1	0.02
Jerome, Az	1	0.02
Kaibab Lake	1	0.02
Kaibab National Forest - Camped	1	0.02
Kaibab National Forest	1	0.02
Kaibab Rv Campground	1	0.02
Kansas	1	0.02
Kansas (North Rim) And Valle, Az (South Rim)	1	0.02
Keams Canyon, Az	1	0.02
Kemb, Ut	1	0.02

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Kiabab National Forest	1	0.02
Kingman	1	0.02
Kingman, Az (Awful)	1	0.02
Kodachrome Basin - Utah State Park	1	0.02
La Grande, Or	1	0.02
La Verkin, Ut	1	0.02
La Verne, Ca	1	0.02
Laguna Hills, Ca	1	0.02
Laguna Niguel, Ca	1	0.02
Lake Forest, Ca - Home	1	0.02
Lancaster, Ca	1	0.02
Las Cruces, Nm And Phoenix, Az	1	0.02
Las Vegas And Boulder City, Nv	1	0.02
Las Vegas, Az (Friend's Home)	1	0.02
Las Vegas, Nv - Big Mistake	1	0.02
Las Vegas, Nv - Home	1	0.02
Las Vegas, Nv And Williams, Az	1	0.02
Laughlin, Nv And Bullhead City, Az	1	0.02
Lee's Ferry, Az - Campground	1	0.02
Litchfield Park, Az - Home	1	0.02
Lone Pine, Az	1	0.02
Los Angeles, Ca - Home	1	0.02
Luke Afb, Az	1	0.02
Mancos, Co	1	0.02
Mancos. Co	1	0.02
Mayer, Az - Home	1	0.02
Mckinney, Tx	1	0.02
Mesa Verde National Park - Fairview Lodge	1	0.02
Mesa, Az - Home	1	0.02
Midland, Mi	1	0.02
Mission Viejo, Ca	1	0.02
Missouri	1	0.02
Moab, Ut; Kayenta, Az; And Gcnp	1	0.02
Mogadore, Oh	1	0.02
Mojave, Az	1	0.02
Monterey, Ca	1	0.02
Mormon Lake, Az	1	0.02
Mt Carmel, Ut - Best Western Hotel	1	0.02
Munds Park, Az	1	0.02
My Home	1	0.02
My Start Point	1	0.02
National Forest South Of Gcnp	1	0.02
National Forest, Near Sunset Crater, Volcano National Mounta	1	0.02
Navajo Lake, Ut In Cedar City - Camped	1	0.02
Navajo National Monument	1	0.02

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Navajo, Nm	1	0.02
Near Monument Valley	1	0.02
Niagara Falls In Canada	1	0.02
North Liberty, Ia	1	0.02
North Rim Lodge - Gcnp	1	0.02
Nowhere	1	0.02
Oak Creak Canyon, Az	1	0.02
Oak Creek Canyon, Az	1	0.02
Oklahoma City	1	0.02
On Trail From Los Angeles	1	0.02
Orange, Ca	1	0.02
Organ Pipe National Monument	1	0.02
Outside Of Zion Np	1	0.02
Outside Park In National Forest.	1	0.02
Page, Az - Lake Powell Resort	1	0.02
Page, Az - Wahweap Campground	1	0.02
Page, Az Is Our Home	1	0.02
Pager Springs, Co	1	0.02
Pagosa Springs, Co – Home	1	0.02
Pahrump, Nv - Home	1	0.02
Panaca, Nv	1	0.02
Paris Casino	1	0.02
Pasadena, Ca	1	0.02
Pedria, Az	1	0.02
Pembrook Pines, Fl	1	0.02
Peoria, Az - Hotel	1	0.02
Peoria, Az - Southwest Indian Ministry Center	1	0.02
Petrified Forest, Az - Camping	1	0.02
Phoenix And Flagstaff, Az	1	0.02
Phoenix And Sedona, Az	1	0.02
Phoenix And Tucson, Az	1	0.02
Phoenix, Az - Arizona Biltmore Phoenix	1	0.02
Phoenix, Az - Legacy Golf Resort	1	0.02
Phoenix, Az - Scottsdale Resort	1	0.02
Portland, Or	1	0.02
Raton, Nm	1	0.02
Red Canyon, Ut	1	0.02
Residence Inn - Phoenix, Az	1	0.02
Rest Area New Mexico Exit #42	1	0.02
Right Outside Entrance To Grand Canyon	1	0.02
Right Outside Grand Canyon From Flagstaff	1	0.02
Right Outside The Entrance To Grand Canyon	1	0.02
Rimrock, Az	1	0.02
Riverton, Ut - Home	1	0.02
Rochester, Mn	1	0.02

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Rockford, Il - Home	1	0.02
Roswell, Nm	1	0.02
San Antonio, Tx	1	0.02
San Diego, Ca - Home	1	0.02
San Diego, Ca To Williams, Az	1	0.02
San Fracisco	1	0.02
San Jose, Ca	1	0.02
San Marcos, Ca	1	0.02
Sand Dunes	1	0.02
Santa Fe, Ca	1	0.02
Santa Monica, Ca	1	0.02
Santa Rosa, Nm	1	0.02
Scottsdale, Az - Hospitality Suite Resort	1	0.02
Scottsdale, Az - Orange Tree Resort	1	0.02
Scottsdale, Chandler, Tucson - Home	1	0.02
Searchlight, Nv	1	0.02
Seattle, Wa	1	0.02
Sedona, Az - Quality Inn King's Ransom	1	0.02
Sedona, Az (South Rim) And Jacob Lake, Az (North Rim)	1	0.02
Sedona, Az And Grand Canyon Village	1	0.02
Sedona, Az And Williams, Az	1	0.02
Seligman, Az - Koa	1	0.02
Sequia National Park	1	0.02
Simsbury,Ct	1	0.02
Southwest Indian School	1	0.02
Springdale Utah	1	0.02
St George, Ut; Zion Np; Bryce Np; And Page, Az	1	0.02
St Louis, Mo	1	0.02
Sun Lakes	1	0.02
Supai, Az	1	0.02
Surprise, Az - Sun City Grand	1	0.02
Swains Creek, Ut	1	0.02
Swanseca, Ma - Home	1	0.02
Taos, Nm	1	0.02
Tec Nos Paz, Az	1	0.02
Tempe, Az	1	0.02
Texas	1	0.02
The Grand Hotel	1	0.02
Tombstone, Az	1	0.02
Torrey, Ut	1	0.02
Tucson, Az; Phoenix, Az; And Lees Ferry, Az.	1	0.02
Tusayan, Az - Motel	1	0.02
Tusayan, Az - Quality Inn Suite	1	0.02
Tuscon Az	1	0.02
Twenty-Nine Palms, Ca	1	0.02

On This Trip Where Did You And Your Group Spend The Night Prior To Your Arrival At The GCNP	Count	%
Utah - Camping	1	0.02
Utah	1	0.02
Valle, Az - Hotel	1	0.02
Valley	1	0.02
Williams, Az - Best Western	1	0.02
Williams, Az - Days Inn	1	0.02
Williams, Az - Fray Marcos	1	0.02
Williams, Az - Holiday Inn	1	0.02
Williams, Az - In Our Motorhome For 1 Wk	1	0.02
Williams, Az And Tusayan, Az	1	0.02
Willimas, Az - Koa	1	0.02
Windsor, Co	1	0.02
Yosemite National Park	1	0.02
Yucca Valley, Ca	1	0.02
Zion National Park - Before North Rim And Mesa Verde(Fairvie	1	0.02
	4177	100.00

**APPENDIX E:
WHERE DID YOU SPEND THE NIGHT AFTER YOUR TRIP TO
GRAND CANYON NATIONAL PARK?**

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Las Vegas, Nv	518	12.49
Flagstaff, Az	436	10.51
Phoenix, Az	330	7.96
Williams, Az	291	7.02
Sedona, Az	271	6.53
Page, Az	165	3.98
Tusayan, Az	91	2.19
Bryce Canyon National Park, Ut	85	2.05
Kingman, Az	84	2.03
Zion National Park, Ut	63	1.52
Kanab, Ut	59	1.42
Scottsdale, Az	59	1.42
St George, Ut	57	1.37
Albuquerque, Nm	51	1.23
Holbrook, Az	42	1.01
Kayenta, Az	39	0.94
Laughlin, Nv	39	0.94
Gallup, Nm	37	0.89
Moab, Ut	34	0.82
Cortez, Co	33	0.80
Prescott, Az	33	0.80
Cedar City, Ut	32	0.77
Jacob Lake, Az	31	0.75
Monument Valley, Az	28	0.68
Tucson, Az	28	0.68
Cameron, Az	27	0.65
Salt Lake City, Ut	27	0.65
Winslow, Az	26	0.63
Springdale, Ut	25	0.60
Home	23	0.55
Barstow, Ca	22	0.53
Los Angeles, Ca	20	0.48
Mesa, Az	20	0.48
Tuba City, Az	20	0.48
San Diego, Ca	19	0.46
Durango, Co	18	0.43
Mesquite, Nv	18	0.43
Needles, Ca	18	0.43
Arizona	17	0.41
Boulder City, Nv	17	0.41
Lake Havasu City, Az	16	0.39

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Chandler, Az	15	0.36
Hurricane, Ut	14	0.34
Page, Az - Lake Powell	14	0.34
Tuscon, Az	14	0.34
Cottonwood, Az	13	0.31
Fredonia, Az	13	0.31
Grand Canyon National Park, Az	13	0.31
Tropic, Ut	13	0.31
Blanding, Ut	12	0.29
Tempe, Az	12	0.29
Henderson, Nv	11	0.27
Mesa Verde National Park, Co	11	0.27
Payson, Az	11	0.27
Provo, Ut	11	0.27
Richfield, Ut	11	0.27
California	10	0.24
Grand Junction, Co	10	0.24
Mt Carmel, Ut	10	0.24
Tucumcari, Nm	10	0.24
Wickenburg, Az	10	0.24
Fountain Hills, Az	9	0.22
Glendale, Az	9	0.22
Lake Powell, Az	9	0.22
Canyon De Chelly National Monument, Az	8	0.19
Colorado	8	0.19
Grand Canyon, Az	8	0.19
New Mexico	8	0.19
Prescott Valley, Az	8	0.19
Bullhead City, Az	7	0.17
Grants, Nm	7	0.17
San Francisco, Ca	7	0.17
Utah	7	0.17
Bakersfield, Ca	6	0.14
Gilbert, Az	6	0.14
Green Valley, Az	6	0.14
Mexican Hat, Ut	6	0.14
Nevada	6	0.14
Rowland Heights, Ca	6	0.14
Camp Verde, Az	5	0.12
Chinle, Az	5	0.12
Farmington, Nm	5	0.12
Logan, Ut	5	0.12
Yuma, Az	5	0.12
Bryce Canyon National Park, Ut	4	0.10
Apache Junction, Az	4	0.10

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Brian Head, Ut	4	0.10
Chino Valley, Az	4	0.10
Mayer, Az	4	0.10
Mt Carmel Junction, Ut	4	0.10
Oak Creek Canyon, Az	4	0.10
Pagosa Springs, Co	4	0.10
Panguitch, Ut	4	0.10
Peach Springs, Az	4	0.10
Pinetop, Az	4	0.10
Raton, Nm	4	0.10
Rossman, Ca	4	0.10
Sante Fe, Nm	4	0.10
Valencia, Ca	4	0.10
Valle, Az	4	0.10
Vista, Ca	4	0.10
Wahweap Lodge Lake Powell, Az	4	0.10
Amarillo, Tx	3	0.07
Arcosanti Community, Az	3	0.07
Buckeye, Az	3	0.07
Cannonville, Ut	3	0.07
Cattail Cove Lake Havasu City, Az	3	0.07
Cedar Breaks National Monument	3	0.07
Clints Well, Az	3	0.07
Dallas, Tx	3	0.07
Denver, Co	3	0.07
Fredonia, Az - Kaibab Lodge	3	0.07
Gold Canyon, Az	3	0.07
Gouldings, Ut	3	0.07
Harrisburg, Ut	3	0.07
Joshua Tree National Park, Ca	3	0.07
Kirkland, Wa	3	0.07
La Puente, Ca	3	0.07
Lake Isabella, Ca	3	0.07
Ludlow, Ca	3	0.07
Marble Canyon, Az	3	0.07
On Airplane, Flying Home	3	0.07
Parowan, Ut	3	0.07
Riverton, Ut	3	0.07
San Antonio, Tx	3	0.07
Santa Barbara, Ca	3	0.07
Santa Fe, Nm	3	0.07
Seattle, Wa	3	0.07
Silverwood, Ut	3	0.07
Springerville, Az	3	0.07
Tampa, Fl	3	0.07

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Tombstone/Benson, Az	3	0.07
Tusayan, Az - Holiday Inn	3	0.07
Twin Falls, Id	3	0.07
Verde Valley, Az	3	0.07
Virgin, Ut	3	0.07
Zion National Park - Campground, Ut	3	0.07
Acoma, Nm - Sky City	2	0.05
Amtrak- En Route To Los Angeles	2	0.05
Anaheim, Ca	2	0.05
Arches National Park, Ut	2	0.05
Beaver, Ut	2	0.05
Belmont, Az	2	0.05
Bryce Canyon National Park After North Rim	2	0.05
Calexico, Ca	2	0.05
California, Sequoia Kings Canyon	2	0.05
Camping	2	0.05
Canyonville, Ut	2	0.05
Casa Grande, Az	2	0.05
Columbus, Oh	2	0.05
Corona, Ca	2	0.05
Death Valley, Ca	2	0.05
El Paso, Tx	2	0.05
Ft Tuthill, Az	2	0.05
Glendale, Ut	2	0.05
Goodyear, Az	2	0.05
Grand Canyon National Park - Maswick Lodge	2	0.05
Hanford, Ca	2	0.05
Hanford, Or	2	0.05
Harrisburg, Pa	2	0.05
Hatch, Ut	2	0.05
Kaibab Lodge	2	0.05
Kansas	2	0.05
Kiabab National Forest	2	0.05
Lake Powell/Page, Az	2	0.05
Lee's Ferry, Az	2	0.05
Limon, Co	2	0.05
Litchfield Park, Az	2	0.05
Michigan	2	0.05
Monte Carlo, Las Vegas Nv	2	0.05
Monticello, Ut	2	0.05
Monument Valley, Az - Gouldings Lodge	2	0.05
Munds Park, Az	2	0.05
North Rim, Az	2	0.05
Palm Springs, Ca	2	0.05
Peoria, Az	2	0.05

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Ridgecrest, Ca	2	0.05
Ridgecrest, Co	2	0.05
Rim Rock, Az	2	0.05
Riverside, Ca	2	0.05
Rv Camp Morefield Mesa Verde	2	0.05
Sacramento, Ca	2	0.05
Scottsdale, Az (Home)	2	0.05
Seligman, Az	2	0.05
Show Low, Az	2	0.05
Silverton, Co	2	0.05
Sky City, Nm	2	0.05
South Rim Bright Angel Lodge	2	0.05
Sunnyvale, Ca	2	0.05
Surprise, Az	2	0.05
Tuscon, Az- Catalina State Park	2	0.05
Tuweap Camping	2	0.05
Twenty-Nine Palms, Ca	2	0.05
Webster, Tx	2	0.05
Williams, Az - Rv Park	2	0.05
76 Miles South Of Utah - Don't Remember Name	1	0.02
Alamosa, Co	1	0.02
Alaska	1	0.02
Amtrak - En Route To Los Angeles	1	0.02
Amtrak	1	0.02
Anthem, Az	1	0.02
Apple Valley, Ca (Home)	1	0.02
Baker, Ca	1	0.02
Basking Ridge, Nj	1	0.02
Bishop, Ca	1	0.02
Black Canyon City, Az	1	0.02
Bluff, Ut	1	0.02
Bolder City, Nv	1	0.02
Boulder, Co	1	0.02
Brenan, Az	1	0.02
Brigham City, Ut	1	0.02
Bryce Canyon National Park After North Rim And Garden Grove	1	0.02
Califonia	1	0.02
Campground In Waheap	1	0.02
Canyon De Chelly Campground - Chinle, Az	1	0.02
Carefree, Az	1	0.02
Cedar City, Ut And Cincinnati, Oh	1	0.02
Chula Vista, Ca	1	0.02
Claremont, Ca	1	0.02
Clarkdale, Az (Home)	1	0.02
Clarkdale, Az And Tucson, Az	1	0.02

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Coral Pink Sand, Ut	1	0.02
Cordes Junction, Az	1	0.02
Cordes Lakes, Az	1	0.02
Cottonwood, Az And Kingman, Az	1	0.02
Dalheart, Tx	1	0.02
Dana Point, Ca	1	0.02
Danis, Ca	1	0.02
Death Valley National Park	1	0.02
Dewey, Az (Home)	1	0.02
Drive From Phx Back Home	1	0.02
Drove To Airport	1	0.02
Duschene, Ut	1	0.02
Echo Bay, Nv	1	0.02
El Cajon, Ca (Home)	1	0.02
El Mirage Rv Park	1	0.02
Elk City, Nv	1	0.02
England	1	0.02
Escondido, Ca	1	0.02
Espenola, Nm	1	0.02
Eugene, Or	1	0.02
Everett, Wa	1	0.02
Ferron, Ut	1	0.02
Flagstaff, Az And Las Vegas, Nv	1	0.02
Flagstaff, Az And Phoenix, Az	1	0.02
Flagstaff, Az And Tucson, Az	1	0.02
Flew Home To London, England	1	0.02
Flight Home	1	0.02
Florida	1	0.02
Fontana, Ca	1	0.02
Friends Home	1	0.02
Globe, Az	1	0.02
Golden Valley, Az	1	0.02
Goodyear ,Az	1	0.02
Grand Canyon National Lodge - Bright Angel Lodge	1	0.02
Grand Canyon National Park - El Tovar	1	0.02
Grand Canyon National Park - Grand Canyon Lodges	1	0.02
Grand Canyon National Park - Grand Canyon Village	1	0.02
Grand Canyon National Park - North Rim	1	0.02
Harrisburg, Pa (Home)	1	0.02
Heading West Toward Sequoia Kings	1	0.02
Highway	1	0.02
Hesperia, Ca	1	0.02
Holbrook, Az And Hurricane, Ut	1	0.02
Hollywood, Ca	1	0.02
Houston, Tx	1	0.02

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Hualapai Reservation, Az	1	0.02
I Live In Quartzsite Az. My Son Flew Back To Seattle From Ph	1	0.02
In Police Station	1	0.02
In The Airplane	1	0.02
Jerome, Az	1	0.02
Just Outside Phoenix.	1	0.02
Kaibab Lodge, Az-Horrible!	1	0.02
Kanab, Ut And Blanding, Ut	1	0.02
Kanola, Ut	1	0.02
Keams Canyon, Az	1	0.02
Kingsburg, Ca	1	0.02
Kirkland Afb Nm	1	0.02
La Marque, Tx	1	0.02
Laguna, Ca	1	0.02
Las Vegas, Nv - Friends Home	1	0.02
Las Vegas, Nv - Monte Carlo	1	0.02
Las Vegas, Nv - Part Of Tour	1	0.02
Las Vegas, Nv Or Home Los Osos, Ca - Maybe	1	0.02
Las Vegas,Nv And Prescott, Az	1	0.02
Lee Vining, Ca	1	0.02
Litchfield Park, Az (Home)	1	0.02
Longmire, Co	1	0.02
Los Angeles Lax, Ca	1	0.02
Luke Afb, Az	1	0.02
Manhattan Beach, Ca	1	0.02
Mccammon, Id	1	0.02
Mormon Lake, Az	1	0.02
Motel	1	0.02
Naperville, Il	1	0.02
National Forest	1	0.02
National Forest Service Campground North Of The Entrance	1	0.02
No Clue, Spot Is Named Hatch On 89, Coming From Bryce Canyon	1	0.02
North Liberty, Iowa	1	0.02
Ohio	1	0.02
On A Flight From Phoenix To Newark, Nj	1	0.02
On I-40	1	0.02
On The Road	1	0.02
On Trail To Los Angeles, Ca	1	0.02
Orange, Ca	1	0.02
Overgaard, Az	1	0.02
Page, Az - Lake Powell - Wahweap Lodge	1	0.02
Page, Az And Mesquite, Nv	1	0.02
Page, Az; Lone Rock, Az; And Page, Az (Lake Powell)	1	0.02
Pahrump, Nv (Home)	1	0.02
Palm Desert, Ca	1	0.02

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Palmdale, Ca	1	0.02
Pasadena, Ca	1	0.02
Peoria, Az - Hotel	1	0.02
Petrified Forest, Az	1	0.02
Phoenix, Az And Page, Az	1	0.02
Pittsburg, Pa	1	0.02
Pleasant Grove, Ut	1	0.02
Pleasant, Ut	1	0.02
Pomlandi, Or	1	0.02
Primm, Nv	1	0.02
Puerto Penasco, Sonora, Mexico	1	0.02
Quality Inn - Kingsway Ransom	1	0.02
Quality Inn Outside The Park	1	0.02
Quartzsite, Az	1	0.02
Redlands, Ca	1	0.02
Reno, Nv	1	0.02
Rockville, Ut	1	0.02
Roy, Ut	1	0.02
Ruby's Inn	1	0.02
Running Springs, Ca (Home)	1	0.02
San Bernadine, Ca	1	0.02
San Carlos, Ca	1	0.02
San Diego, Ca - Pine Valley Hotel	1	0.02
San Jose, Ca	1	0.02
Santa Rosa, Nm	1	0.02
Searchlight, Nv	1	0.02
Second Mesa, Az	1	0.02
Sedona (Oak Creek Village)	1	0.02
Sedona And Phoenix	1	0.02
Sedona And Tusayan	1	0.02
Sedona, Az - Camping	1	0.02
Sedona, Az - Oak Creek	1	0.02
Sedona, Az - Rv Resort	1	0.02
Sedona, Az And Tusayan, Az	1	0.02
Snow Canyon, Ut	1	0.02
South West Indian School	1	0.02
St David, Az	1	0.02
St George, Az	1	0.02
St George, Ut (Home)	1	0.02
Sun City, Az	1	0.02
Sun Lakes	1	0.02
Sunnyvale, Ca (Home)	1	0.02
Surprise, Az (Home)	1	0.02
Swains Creek, Ut	1	0.02
Sylmar, Ca And Webster, Tx	1	0.02

On This Trip Where Did You And Your Group Spend The Night After Leaving The GCNP	Count	%
Texas	1	0.02
The Campsite At Monument V	1	0.02
Thunder Bird Hotel	1	0.02
Tonopa, Nv	1	0.02
Truth Or Consequences, Nm	1	0.02
Tucamcari, Nm	1	0.02
Tucson, Az - Private Home	1	0.02
Tucson, Az - Windmill Suites	1	0.02
Tucson, Az; Phoenix, Az; Colorado Springs, Co; And Berkley,	1	0.02
Tuscon, Az - Catalina State Park	1	0.02
Tuweap - Camping	1	0.02
Utah - Camping	1	0.02
Utah - Near Bryce Canyon	1	0.02
Vanhorne, Tx	1	0.02
Was Unable To Get A Rv Spot At The Park	1	0.02
We Stayed At A Rest Stop By Arches National Park	1	0.02
Weatheford, Tx	1	0.02
White Mountains, Az - Camping	1	0.02
Whittier, Ca	1	0.02
Williams, Az - Best Western In	1	0.02
Williams, Az - Days Inn	1	0.02
Williams, Az - Fairfield Inn	1	0.02
Williams, Az - Koa	1	0.02
Williams, Az - Overnight, Then To Santa Fe, Nm	1	0.02
Williams, Az - Quality Inns And Suites	1	0.02
Williams, Az And Flagstaff, Az	1	0.02
Williams, Az And Laughlin, Nv	1	0.02
Yuca Valley, Ca	1	0.02
Zion National Park - Watchman Campground, Ut	1	0.02
Zion National Park - Zion Mountain Resort, Ut	1	0.02
Zion National Park	1	0.02
	4148	100.00

APPENDIX F:
IF YOU WERE THE GCNP SUPERINTENDENT WHAT IS THE SINGLE IMPROVEMENT YOU WOULD MAKE TO MOST IMPROVE THE PARK EXPERIENCE FOR VISITORS?

- We were somewhat confused by what was the visitors center/park hdqrs. Etc
- We were only there for a short time, but our concern for future visitors would be to keep the park so natural as possible by strict controls of any pollution of the area in general. To keep it from ch
- We like the park as it is now! Maybe some new buses. The zion park system is very good. Grand canyon seems to be too big to have the same system
- We had a great time- shuttles were fine, camping great, we just had a bad experience with this controlled burn out of control
- Water at trolly stops even to be purchased. More shade at stops
- Visitors should obey camping rules, traffic should follow listing speeding laws
- Visitor center have parking close by
- Traffic lines are long- could have more gates at entry
- Traffic flow into the park
- The shuttle bus is important but the routing and signing is rather confusing to a first visitor- though the bus operators were very patient and helpful
- The road to hermits rest
- The only difficulty was getting our car in the dining room before 9:00 pm. If it were possible to have another nice dining area.
- The maps in the grand canyon guide. They are confusing to read.
- Taking the bus was a little confusing. You didn't always know which way you were going when they were coming. There wasn't anything explaining
- Take the time to let visitors know of the wonderful benefits of utilizing the public transportation that is offered
- Stop all motorized recreation in park including motor rafts, helicopters, and airplane overflights
- Speed the entrance line up
- Some simpler way to explain the shuttle loop system. Maybe color code park into 4 sectors. Better signage
- Some of the black top trails were in bad condition. More benches at scenic stops. Walk instead of rails- i.e. hoover dam
- Smooth transportation, quicker entry
- Signage, too hot-but what can you do about that!- swimming pool?
- Signage in the park. We had some difficulty following the signage to the campground
- Shuttles into park. Cut down on heavy traffic, crazy drivers, a better grip on parking
- Shuttle is welcome.localizing impact is fine. This place is unique and spectacular. It rightfully draws an audience. Make it easy for people to escape the herd and access the backcountry!
- Shuttle buses outside the park on our visit to bryce canyon, shuttles were frequent outside the park- they have a wonderful system

- Shuttle bus service on east rim
- Shuttle bus or some other system for the south rim that gets rid of cars. The Zion NP experience was much better in this respect. A system that works!
- Right at the entrance explain briefly about the shuttle system that will bring you around. Bike stands and paths to the shuttle busses.
- Rent bicycles
- Put info booth after entrance booth so if incoming/outgoing visitors have questions they can ask without holding up other visitors behind them
- Put in an applebees/mcdonald range of foods- were not impressed with food choices
- Public transportation and/or more frequent train access from flagstaff or williams
- Provide rental bikes to get around in the park and to get from and to tusayan
- Provide parking signs and spaces for cars with hotel/lodge reservations
- Provide more public transportation into park.promote public transportation due to limited parking spaces
- Provide more info on backcountry hike access, booking, availability and requirements, for those visitors for 1st time from abroad via internet. Allow mailing of info to addresses abroad
- Provide efficient affordable shuttle transportation service and eliminate private vehicles in park
- Provide awareness of the educational tours that are available (train rides through canyon)
- Provide a shuttle bus to the east spots such as the ruins and the tower building
- Post signs outside the park (several miles away) indicating if the canyon is foggy/visible to the naked eye
- Post a sign at the rim; "quiet is appreciated"
- Place a satellite visitor center (with rangers) near the hotels on the south rim. We never made it to the south rim vc
- Perhaps allow a small number of private vehicles to enter the south rim each day
- Paved pathways were too rough for wheelchair use plus they had steps
- Parking, entrance time
- Parking! Designate area for rv's. Too many & too large!
- Parking availability and signs to parking
- Parking at rim hotels
- Parking access to visitors center and mather point (congestion at mather and lack of parking at visitors center) + improve visitor center w/artifacts and video about grand canyon
- Parking
- Park service bus stop @ train depot
- Of the seven np's visited this year was particularly impressed with the reduction in traffic secondary to the free shuttle buses. Best park award for me.
- Not to cave in & provide more parking. Once we learned the shuttles, i could fully see why not having a million cars around was very important.
- Not enough picnic areas- not enough parking lots near the visitor center
- Not enough knowledge of park finances, staffing or resources to even venture an answer to this question

- None i can think of except the inclusion of a railway to genp to cut down on traffic
- No cars into the park
- No cars except for parking at lodges, cabins, campgrounds, be allowed in the park. Day visitors take free shuttle or train
- My husband hates crowds and we got there early to avoid them. When we left there were miles of cars waiting to get in the park. You need more booths for entrance
- Multilingual sign in busses, german, french, japanese!! Bilingual bus drivers and guides, just college students!!
- More shuttles: very frequent ones. And option for cars or we will always choose cars. Also maps in japanese.
- More pull offs for slow moving vehicles
- More police present on the roads to curb speeding and road rage
- More parking-shuttle service
- More parking spaces. We were there early enough to get a parking space. The parking became a problem later that morning.
- More parking in more spots
- More parking from observation point to observation point
- More parking close to el tovar. More parking at yavapai point. More cell phone access.
- More parking better directional signs
- More parking at yavapai point
- More north rim interpretive programs and facilities; exp in cape royal and imperial pt. We did enjoy ranger talks and stargazing at lodge- very competent ranger
- More knowledgeable employees at any and all park attractions. Exp. Where to catch tours
- More information at each lookout point detailing points of interest, history etc.
- More information about the history
- More info on the canyon's history its make up when it started, length of time to form
- More back country roads
- Maybe a little better signage for those who didn't plan the trip thoroughly. We weren't sure where to go to see the mule rides & tours of the canyon, so we just drove the scenic road along the edge fo
- Markings and improve walking paths, more parking lots
- Make the signs more clear as to parking and camping make more parking available at trailheads. More picnic areas
- Make the rim walkways & paths into the canyon safer
- Make rv hookups available inside the park. Staying 50 miles away from the park limits the number of times we wish to make the round trip drive during our stay.
- Make drives turn down their radios. Don't like rapp music from other cars
- Make bus maps available (shuttle) and improve road on shuttle tour. More exhibits by the rim

- Lobby for clean air in region. Some of haze in distance may have been fires, but some not. Second would just be to maintain trails/facilities
- Liquor store- (nights get cold & rainy when you are camping) no where to drive really, so safety isn't a factor
- Limit/restrict private cars in south rim
- Limit vehicle size or provide one way roads for oversized vehicles
- Limit the number of visitors- divide by types, i.e. hikers, mountain bikers, mule riders, sightseers
- Limit the number of visitors.
- Limit the number of people allowed in the park on a given day
- Limit the number of cars in the park
- Limit the number of cars allowed in the park on a daily basis. Leave park as natural as possible
- Limit private vehicles/provide public transportation to/from park
- Limit # of tour buses on property
- Light rail hermits rest. Free showers for paid campers and rvers
- Light rail between stops, village, and entrance
- Less cars
- Leave on train to get there earlier and stay later
- Leave all of the points open for everybody to view with their own transportation. Do not force visitors to ride on the shuttle buses. People will enjoy the park more if they are not on time restraints
- Larger parking spaces- more. Shuttles to take you to popular spots.
- Keep "sprawl";traffic, noise,pollution to a minimum. Don't allow gc village to grow larger
- It's hard to earmark where car is parked
- Introduce park & ride from tusayan to reduce no. Of cars/parking problem. Subsidize north/south rim shuttle especially for rim-to-rim hikers. Reduce no. Of walkers at top of bright angel trail
- Indicate distance to points on signs
- Increased public transportation to eliminate the number of private cars
- Increase shuttles, keep cars outside the park to combat pollution
- Increase parking spaces!
- In all seriousness, actively work to limit population growth, short of that, consider a lottery system to limit the number of people allowed in the park at any one time, including enforcement of prohi
- Improve traffic flow at entrance- more gates or possibly some sort of pre-payment
- Improve traffic control (speeding) on entrance roads
- Improve the very slow fee paying at entrance (1 hr in vehicle que)
- Improve signage on public transportation (trams from el tovar to yavapai lodge hard to find)
- Improve parking situations especially to access the visitor information center. We used the shuttle buses easily once we'd been in the park a day. Clarify on arrival where people can park to access vc
- Improve parking and facilities for the handicapped

- Improve air quality. More stopping venues. Implement shuttle once we get there by car
- Implement the vehicle ban and construct the mass transit system
- If you want to have people not use their personal vehicles, there has to be many more shuttle buses during the summer months!!
- I'd need more time at park to say i was glad to be in the park when traffic was low- i'm sure if this becomes a major problem buses could be used in other locations for sightseeres on the rim
- I would limit the number of people inside the park
- I would leave it just the way it is. The grand canyon railroad is the way to go
- I would improve the tram service to more frequent pick-ups also improve the information for the tourist
- High speed train for a 4 or 5 hour stay on a one day trip. Although the old train in very nice
- Hide the service units or big trash-bins better!
- Have more than one lane to enter and depart; have automated lanes for np card holders (similar to highway toll booths for cars that have special stickers)
- Get rid of the cars + simplify layout of interior routes
- Get rid of all diesel buses from the park. Preserve the air in gcnp!
- Fix the bus routes. They're not clear and they're not efficient especially on the blue route, mark transfer points clearly. Increase # of buses at peak times. Improve access to visitors center- as it
- Figure out how to mimic zion's shuttles...gcnp's are mismatched vehicles with surly drivers who are unhelpful. Also, call the visitor's center a visitor's center, not an information plaza. Come on!
- Extend the shuttle bus system to desert view or allow at least overnight parking at all trailheads east of kaibab! Shuttles preferred! Hitch hiking was a terrible experience after 3 days of hiking. New
- Expand shuttle to east gate
- Expand road for more view points; up # of cacuts; reservation to park space
- Entrance too congested, need more efficient system
- Emphasize resource protection through staffing and management of the number of cars
- Eliminate personal vehicles; quieter buses
- Directions, signs and assistance within the park. We received several bits of contradictory information
- Directions to be more clear (parking/shuttle) where to go "initial introduction to parking facilities- wher to go"
- Directional signs to show how to get to the signs when parked in parking areas. After dark it is hard to find the main signs
- Devise a method (tramway or vertical railway) which would allow elderly & handicapped to view the canyon from the bottom
- Decrease the number of private vehicles
- Decrease the amount of vehicle congestion
- Curb parking
- Convenient mass transit

- Closer parking for handicap
- Clearly park has worked to keep the size of impact: buildings, etc as invisible as possible- but it is huge-and probably ? 1. Reduce motor vehicles in park 2. Increase native american participation i
- Cars away from scenic views and better signs especially in the village area
- Buses in the park!!!
- Buses available to go to commercial areas
- Break up the tour groups into smaller groups.
- Better trail markers on the rim trail. More frequent shuttle service during peak hours. Better toilet paper in lodges.
- Better signage, better roads (road to hermit pt. Very bumpy) more dining choices
- Better signage to north rim, (to the lodge, specifically). I drove for 30 miles without visual confirmation that i was headed the right way.
- Better signage on roads in park
- Better signage and information on the paths and overlooks. Too much waling is required for people with limited mobility
- Better separation between rv and tents in mather campground. More understandable map of grand canyon village. More control against unaware hikers
- Better parking facilities for cars at bright angel lodge did not know what to do with our car while we checked in to get our cabin
- Better parking
- Better markings of trails along rim, especially west from bright angel lodge
- Better maps of the park & better road signs in the park. It was very difficult to figure out which direction you were going
- Better buses
- Better bus schedule- route on hermit drive- the bus wait was long in the sun- 15 minutes- couldn't always get on when it did come. Crowded
- Ban coach trips
- Ban cars. Let them park in a parking lot then either walk, bike, or take the shuttle bus in to the gc
- Avoid traffic back-ups into park. Expand entrance booth lanes w/ranger guides to particular parking areas
- Availability of parking 0. Lots of observation areas so they're not as crowded
- At the main gate, creat a special pull over lane for vehicles in the "have pass" lane. On two of our 4 entries, the "have pass" lane on the ? Was slow because of some special need o a vehicle that alr
- Although we took train, getting into the park via auto was heard to take 2+ hours
- Allow shuttle buses to stop at same locations coming and going
- Air conditioned tour buses so you could cool down between stops; charge more to cover cost
- Add hike trails, reduce # of private vehicles
- Adapt entries to capacity of park structure. Likely drawback: discourage visitors.
- Access to park- we left our trailer outside the park. We waited 30 min with a park pass just to enter the park. On the last day we..??

- Concern about safety at some of the vistas- more guard rails & danger signs. 2. Imax- longer hours for viewing 3. Bus tours instead of cars & personal transportation for all
- Add a canyon rim campground. 2. Add a coffee cart at the visitor center 3. Allow public parking @ the visitor center, it looked empty
- More awareness of pollution for visitors * only government sponsored buses