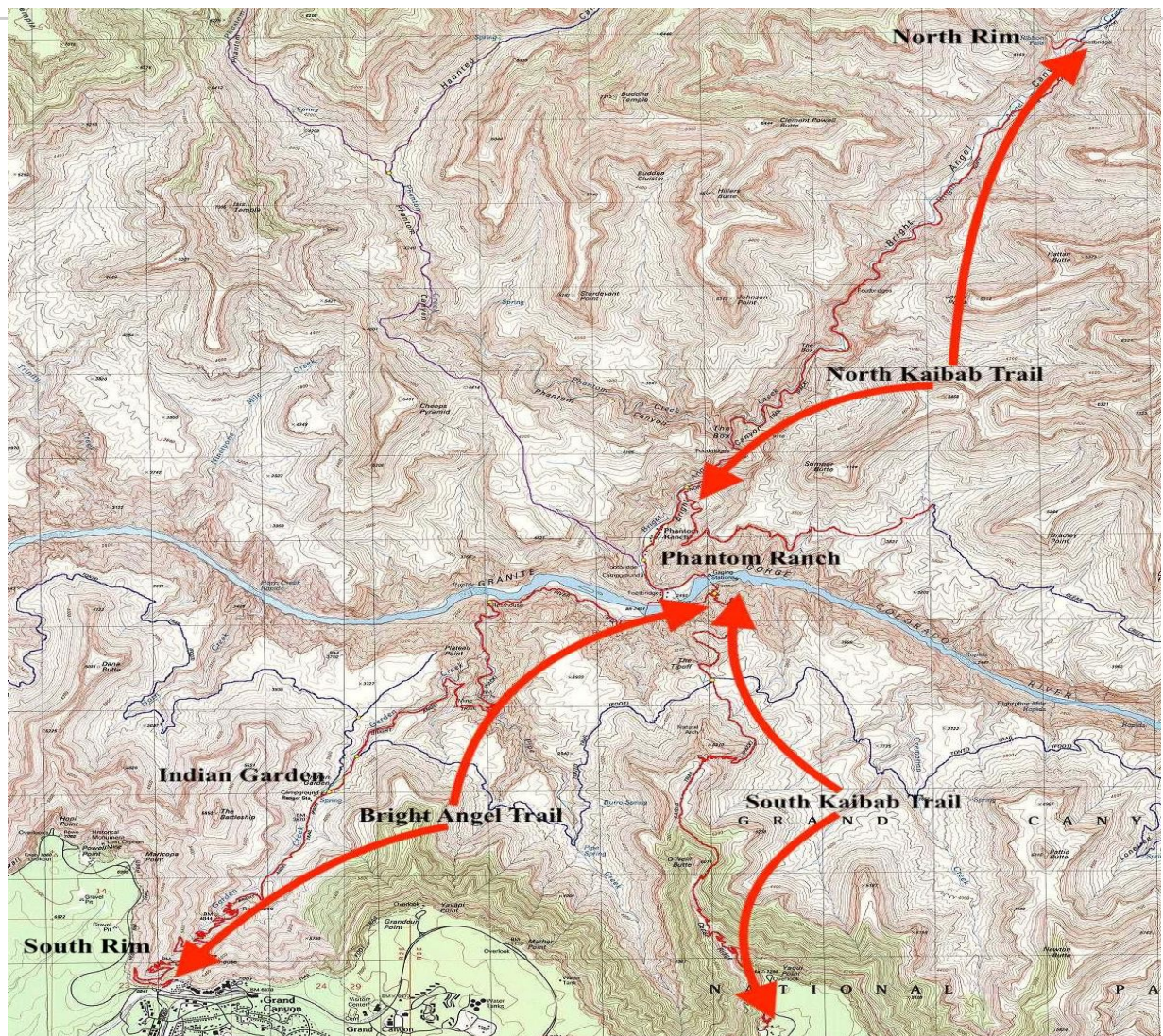


## 2018 Grand Canyon National Park Rim2Rim Visitor Survey

**PAPERWORK REDUCTION and PRIVACY ACT STATEMENT:** The Paperwork Reduction Act requires us to tell you why we are collecting this information, how we will use it, and whether or not you have to respond. We are authorized by the National Park Service Protection Interpretation and research in System (54 USC §100702) to collect this information. The routine uses of this information will be used to better understand visitor use, experiences and expectations within the Rim to Rim Corridor of the Grand Canyon National Park. The data collected will be summarized and your responses to this collection are completely voluntary and will remain anonymous. You can end the process at any time and will not be penalized in any way for choosing to do so. There are no paper versions of the information collected to be destroyed at the end of the collection period and no personal identifiable records will be maintained or electronically stored for any purposes. Data collected will only be reported in aggregates and no individually identifiable responses will be reported. A Federal agency may not conduct or sponsor, and you are not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. We estimate that it will take about 15 minutes to complete this questionnaire. You may send comments concerning any aspect of this information collection to: Dr. Ryan Sharp, Kansas State University, Manhattan, KS 66506, ryansharp@ksu.edu (email) or Phadrea Ponds, NPS Information Collection Coordinator, Fort Collins, CO 80525, pponds@nps.gov (email).

## Grand Canyon National Park Rim to Rim Corridor Visitor Survey

We are conducting this survey to better understand visitor use within the Rim to Rim Corridor of the Grand Canyon National Park. Thank you for your participation in this study. By completing this survey you are providing useful information for park managers in order to help create a better visitor experience within the corridor. This survey will take about 10 minutes to complete and is completely anonymous.



Throughout the survey, the word corridor refers to trail segments and landmarks associated with rim to rim travel displayed above (Bright Angel Trail, South Kaibab Trail, North Kaibab Trail, and Phantom Ranch). Please ask the surveyor if any clarification is needed throughout the survey.

**Section 1 - Visitor Use History**

Q1.1 Including yourself, how many people are you traveling with in the corridor?

\_\_\_\_\_

Q1.2 Including this visit, how many times have you traveled within the corridor **in the last month?**

\_\_\_\_\_

Q1.3 Including this visit, how many times you have traveled within the corridor **in the last year?**

\_\_\_\_\_

Q1.4 Where are you/did you begin your trip into the corridor today? (Please choose one)

- Bright Angel Trailhead
- South Kaibab Trailhead
- North Kaibab Trailhead
- Phantom Ranch
- Other \_\_\_\_\_

Q1.5 For this visit, are you part of any of the following organized groups? (check all that apply)

	Yes
Commercial Guided Tour Group	<input type="radio"/>
School/Educational Group	<input type="radio"/>
Running/Adventure Club	<input type="radio"/>
Meet up Group	<input type="radio"/>
Other	<input type="radio"/>

Q1.6 Are you traveling Rim to Rim on this visit (from one rim to the other, e.g., North Rim to South Rim)?

- Yes
- No (Skip to Q1.12)
- I am not sure

Q1.7 Please indicate the **primary reason** for deciding to travel Rim to Rim.

- Physical Challenge
- Repeat Rim to Rim trip
- Unable to camp at Bright Angel Campground
- "Bucket List" Trip
- Part of a running/hiking club trip
- Don't Know

Q1.8 What was the primary resource you used to plan for your visit to Grand Canyon National Park? **Please select only one.**

- National Park Service Website

- Websites (not associated with National Park Service)
- Pamphlets/Brochures
- Social Media (Facebook, Instagram, Twitter, etc)
- Magazine \_\_\_\_\_
- Word of mouth
- Knowledge from a previous visit
- Did not do any planning
- Other \_\_\_\_\_

**Section 2 - Activity Experience While in the Corridor**

Q2.1 For this question, please think about the activities you participated in during this, or past travels, within the corridor. In column **A**, mark activities that apply during **past** visits. In column **B**, mark all activities that apply during this visit.

	<b>A</b> Past Visit	<b>B</b> Current Visit
Day Hiking	<input type="radio"/>	<input type="radio"/>
Overnight Backpacking	<input type="radio"/>	<input type="radio"/>
Overnight Lodging at Phantom Ranch	<input type="radio"/>	<input type="radio"/>
Trail Running	<input type="radio"/>	<input type="radio"/>
Mule Riding	<input type="radio"/>	<input type="radio"/>
River Rafting	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>

Q2.2 During **this visit**, which **one** activity from Column B, current visit, was the most important to your experience at Grand Canyon National Park? **Please select only one.**

- Day Hiking
- Overnight Backpacking
- Overnight Lodging at Phantom Ranch
- Trail Running
- Mule Riding
- River Rafting
- Other \_\_\_\_\_

Q2.3 Which of the above activities was the **primary reason** for your visit to Grand Canyon National Park? **Please select only one.**

- Day Hiking
- Overnight Backpacking
- Overnight Lodging at Phantom Ranch
- Trail Running
- Mule Riding
- River Rafting
- Other \_\_\_\_\_

Q2.4 Did any other visitors interfere with your activity during this visit?

- Yes
- No (Skip to Q 2.6)
- Not Sure

Q2.5 How did other visitors interfere with your activity during **this visit**? **Select all that apply.**

- Being asked to move to one side so others can pass
- Too many trail runners
- Other visitors too loud
- Other visitors did not make space to safely pass
- Other visitors leaving trash on the trail
- Mules were difficult/unsafe to pass on the trail
- Other visitors did not interfere in any way with my visit
- Cell phone use (talking)
- Cell phone use (selfies)
- Human Waste
- Graffiti
- Other \_\_\_\_\_

Q2.6 At any point did you have to adjust your desired speed while engaging in your activity because of other visitors?

- Yes
- No (Skip to Q 2.8)

Q2.7 How did you adjust your speed?

- Was mostly slowed down
- Was mostly sped up
- I was unable to take a break when I wanted/needed to
- I took more breaks than I wanted to
- Other \_\_\_\_\_

Q2.8 How did the number of other trail users (hikers and runners) you encountered relate to the number you *expected* to encounter?

- Many fewer
- Slightly fewer
- About the same
- Slightly more
- Many more

Q2.9 Would the number of encounters you experienced along the trail influence your decision to return?

- Yes, I would go somewhere else
- Yes, I would return
- No influence

Q2.10 What was your biggest problem you encountered in the park today?

\_\_\_\_\_

Q2.11 Based on the current conditions in the park today, did you change your activity plans?

- Yes
- No (Skip to Q13)

Q2.12 If you answered yes to the previous question, what made you change your plans?

- Weather, too hot
- Weather, too cold
- Too crowded
- Infrastructure issues (e.g. road closures, trail closures)
- Other \_\_\_\_\_

Q2.13 Below is a list of characteristics often associated with backcountry and wilderness areas. Please indicate how important each of the characteristics listed below were to you during your trip in the corridor today.

	Extremely important	Very important	Moderately important	Slightly important	Not at all important	Don't Know
Solitude/Avoiding Crowds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Primitive Recreation/Limited Facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pristine natural environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Physical Challenge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hearing sounds of nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Natural quiet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unrestricted recreation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taking risks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To have an adventure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q2.14 Please indicate to what extent you experienced solitude during your visit within the corridor today.

- Not at all
- Slightly r
- Somewhat
- Moderately
- Very Much

Q2.15 How much of a problem do you think the following issues are in the corridor?

	Not a Problem at All	A Small Problem	A Big Problem	Don't Know
Too many other visitors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rude and inconsiderate visitors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too many day hikers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too many trail runners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too many overnight backpackers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poorly maintained facilities/restrooms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unacceptable impacts to park resources (litter/human waste)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too many rules and regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safety conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too many facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Too little information about the corridor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information about the corridor is inappropriate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q2.16 Please indicate the extent to which you agree or disagree with each of the following statements regarding management of recreational travel in the corridor.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Don't Know
If people feel crowded, access should be reduced	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If visitor-caused resource impacts are high, access should be reduced	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If solitude is lost, access should be reduced	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access should never be reduced, even if visitor-use is high	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q2.17 Please indicate the extent to which you would support or oppose each of the potential management actions in the corridor.

	Strongly Support	Support	Neither Support nor Oppose	Oppose	Strongly Oppose	Don't Know
More education regarding trail etiquette/appropriate behavior	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Registration required for day use (no limits and no fees)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Registration required for day use (limits and no fees)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permits required for day use (limits and an \$8 fee)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permits required for day use (limits except for two weekends/year)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Registration required for Rim to Rim travel (no limits and no fees)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Registration required for Rim to Rim travel (limits and no fees)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permits required for Rim to Rim travel (limits and an \$8 fee)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Section 3 - Preparation and Points of Fatigue**

Q3.1 Which option best describes how prepared you were for your visit in the corridor trails?

- I was underprepared
- I was appropriately prepared (Skip to Q 3.3)
- I was over prepared (Skip to Q 3.3)

Q3.2 How were you unprepared for your trip? **Please select all that apply.**

- Did not bring enough water
- Did not bring enough food/snacks
- Did not bring the right kind of food
- Was not prepared for the heat
- Underestimated the distance of the hike
- Did not wear appropriate footwear
- I was completely prepared for the activity I participated in
- I did not have enough information before my trip
- Other \_\_\_\_\_

Q3.3 At roughly what location during your visit did you begin to feel fatigued?

- Ooh Aah Point (South Kaibab Trail)
- Cedar Ridge (South Kaibab Trail)
- Skeleton Point (South Kaibab Trail)
- Tip Off (South Kaibab Trail)
- Phantom Ranch
- River Resthouse (Bright Angel Trail)
- Indian Garden (Bright Angel Trail)
- Three Mile Resthouse (Bright Angel Trail)
- Mile and a Half Resthouse (Bright Angel Trail)
- Coconino Overlook (North Kaibab Trail)
- Roaring Springs (North Kaibab Trail)
- Manzanita Resthouse (North Kaibab Trail)
- Cottonwood Campground (North Kaibab Trail)
- I did not experience any fatigue until the end of my trip
- I did not experience any fatigue during my trip

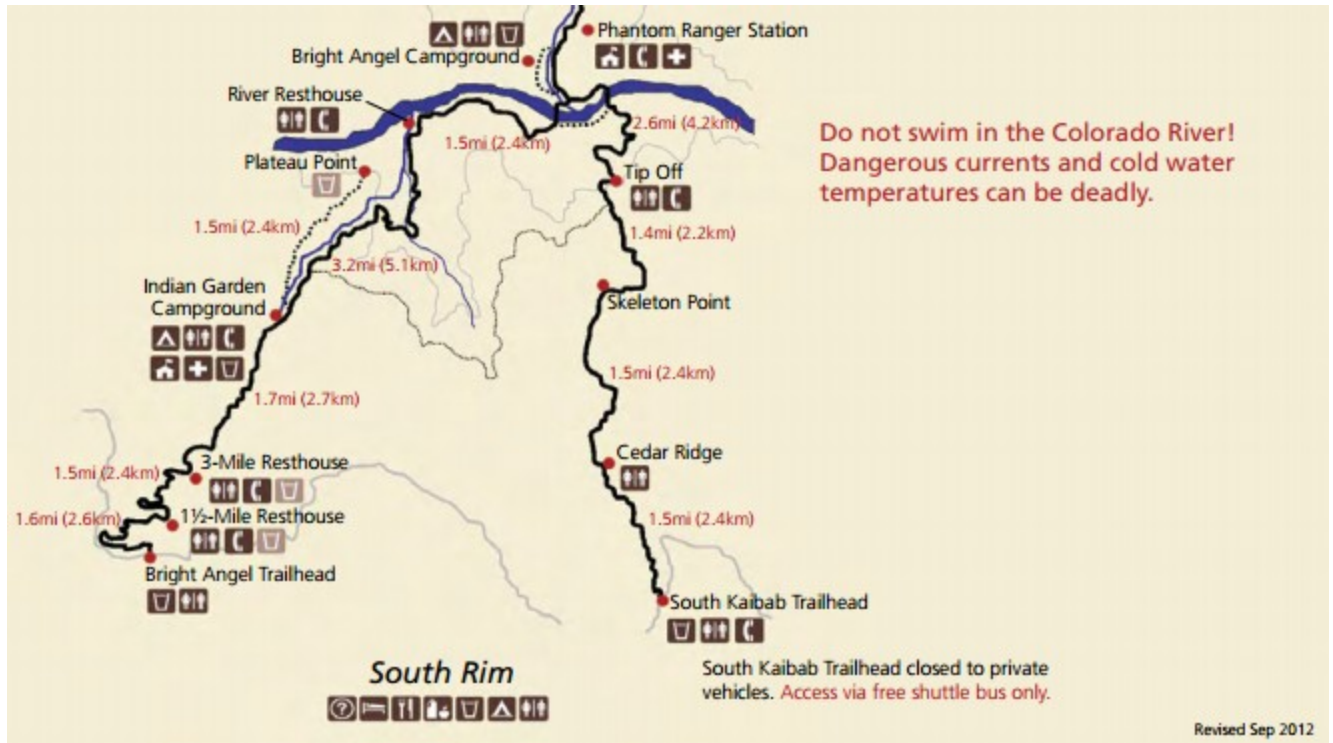
Q3.4 How concerned are you for your safety when traveling within the corridor?

- Not at all concerned
- Slightly concerned
- Neutral

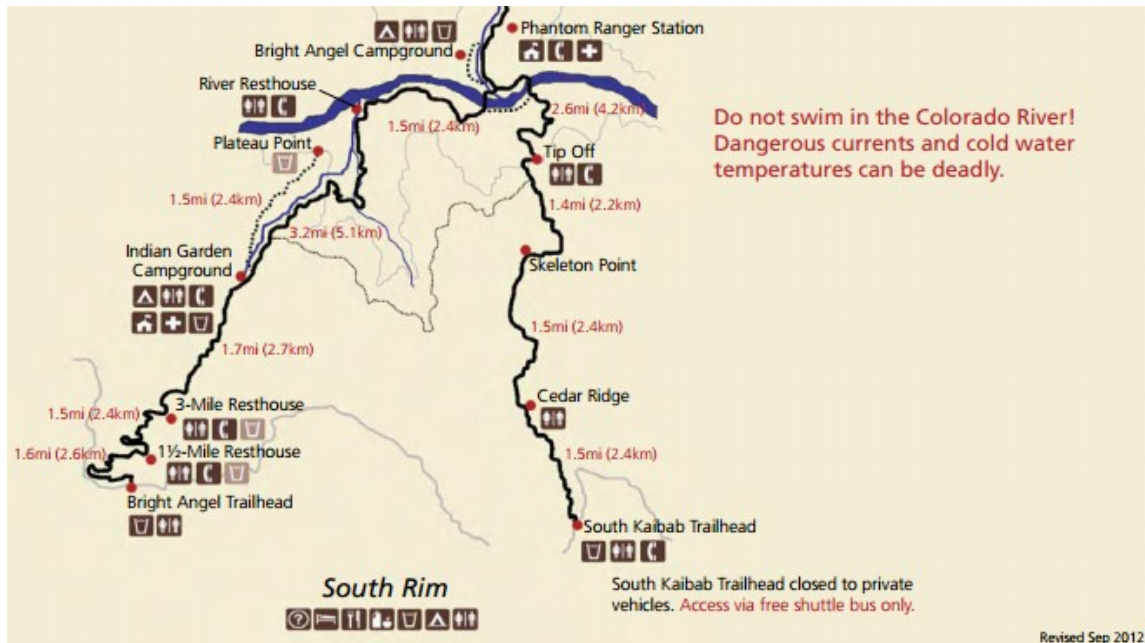


- Moderately concerned
- Extremely concerned

Q3.5 Please indicate, to the best of your ability, where on the map you began to feel fatigued.



Q3.6 Please indicate, to the best of your ability, where on the map where you felt the most unsafe.



Q3.8 If you hiked to Phantom Ranch, did you use the flush toilets?

- Yes
- No
- I did not hike to Phantom Ranch

Q3.9 Did you use any of the vault toilets (e.g. outhouses) along the corridor trail? Please check each location you used an outhouse.

- Cedar Ridge (South Kaibab Trail)
- The Tipoff (South Kaibab Trail)
- 1 1/2 Mile Resthouse (Bright Angel Trail)
- 3 Mile Resthouse (Bright Angel Trail)
- Indian Garden (Bright Angel Trail)
- River Resthouse (Bright Angel Trail)
- Cottonwood (North Kaibab Trail)
- Manzanita Rest Area (North Kaibab Trail)
- Roaring Springs Day Use Area (North Kaibab Trail)
- Supai Tunnel (North Kaibab Trail)

Q3.10 Did you utilize any of the water facilities along the corridor trail?

- Yes
- No (Skip to Q12)

Q3.11 Approximately how much water did you use from those facilities?

- Liter
- 1-2 Liters
- 2-3 Liters
- More than 3 Liters

Q3.12 At any time during your visit, did you consider seeking assistance from NPS staff for safety reasons?

- No
- Yes (and why) \_\_\_\_\_

Q3.13 At any time during your visit, did you consider seeking assistance from NPS staff for comfort reasons?

- No
- Yes ( and why) \_\_\_\_\_

Q3.14 Please state your level of agreement with the following statements

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
<b>I am solely responsible for my own safety</b> when traveling within the corridor of Grand Canyon National Park.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Rangers at Grand Canyon National Park is solely responsible for my safety</b> while traveling within the corridor of the park.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Both the Rangers at Grand Canyon</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**National Park and myself have a shared responsibility regarding my safety** while traveling within the corridor of the park.

- |                                                            |                       |                       |                       |                       |                       |
|------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| If I have a minor emergency, a ranger will respond         | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Rangers will ensure that I am safe in the corridor.        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I can call for help if I need it and a Ranger will respond | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am more prepared than the typical visitor                | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am safer than the typical visitor                        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Technology (e.g. phone, GPS) will keep me safe             | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

#### Section 4 - About You

Q4.1 What is your zip code? (if you are not from the U.S.A, please see the next question) \_\_\_\_\_

Q4.2 In which country do you currently reside? \_\_\_\_\_

Q4.3 What year were you born? \_\_\_\_\_

Q4.4 What is your gender?

- Male
- Female

Q4.5 What is the highest level of school you have completed?

- Less than high school
- Some high school
- High school graduate
- Some college
- Two-year college graduate
- Four-year college graduate
- Graduate or professional degree
- Do not wish to answer

Q4.6 What is your race? (select all that apply)

- American Indian or Alaska Native
- Asian
- Black or African American
- White
- Do not wish to answer

Q4.7 Are you Hispanic or Latino? (A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race)

- Yes, Hispanic or Latino
- No, not Hispanic or Latino

Q4.8 What category best describes your total household income in U.S. dollars during 2016 before taxes? (select one)

- Less than \$24,999
- \$25,000 to \$34,999
- \$35,000 to \$49,999
- \$50,000 to \$74,999
- \$75,000 to \$99,999
- \$100,000 to \$149,999
- \$150,000 to \$199,999
- \$200,000 or more
- Do not wish to answer

Q4.9 Is there anything else about your corridor experience that you would like to share?

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Q4.10 If you were a Ranger at Grand Canyon National Park, what would you do differently?

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Thank you for your help with this survey!  
Please return the tablet to the person who gave it to you.

If you have any questions or concerns, please contact:  
Dr. Ryan Sharp - ryansharp@ksu.edu