



National Park Service
U.S. Department of the Interior

OMB Approval XXXX-XXXX
Current Expiration Date: X-XX-XXXX

Angels Landing Visitor Study Zion National Park



2017

ID:

Date: / /

Time: : AM PM

Location: _____

Weather: Sunny Partly Cloudy Overcast/Rain Storm

Special Event: No Yes (Specify) _____

Binder #: _____

Paperwork Reduction and Privacy Act Statements: 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. This information will be used by the National Park Service as authorized by 54 USC 100702. We will use this information to evaluate visitors' perceptions of crowding, safety, and overall experiences on the Angels Landing Trail. Your responses are voluntary and anonymous. Your name and address will not be collected. At the completion of this collection all personal information will be destroyed and in no way be connected with the results of this survey. 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.

Burden Estimate: We estimate that it will take an average of 12 minutes to complete this questionnaire. You may send comments concerning the burden estimates or any aspect of this information collection to the Social Science Program Chief, National Park Service, 1201 Oakridge Drive, Fort Collins, CO, 80525-5596; nps_nrss_social_science@nps.gov (email).

DRAFT

Thank you for agreeing to complete this survey, your responses to the questions will provide information that will help Zion National Park! The questions in this survey ask about your hike on the Angels Landing Trail today. The Angels Landing trail is the half mile trail from Scout Lookout to the top of Angels Landing (see the surveyors map).

Topic Area 1 - GROUP5

1. Including yourself, how many people were in your personal group during your hike on the Angels Landing Trail today?

_____ Number of adults (18 years or older)

_____ Number of children (under 18 years)

Topic Area 1 - GROUP4

2. Which of the following best describes your personal group? Please mark (●) **one**.

Alone

Family

Friends

Family and friends

Other (Please specify): _____

Topic Area 1 - GROUP1

3. Which of the following best describes your hike on the Angels Landing Trail today? Please mark (●) **one**.

Day hike from Zion Canyon

Day hike from Lava Point, Wildcat Canyon, or Hop Valley Trailhead

Part of an overnight backpacking trip

Other (Please specify): _____

Topic Area 10 - ECON5

4. How much total time did you spend hiking on the Angels Landing Trail today? Please list partial hours as $\frac{1}{4}$, $\frac{1}{2}$, or $\frac{3}{4}$.

_____ Number of hours

Topic Area 4 - DEST3

5. Did you hike to the top of Angels Landing today?

Yes

No

→ If you did not hike to the top of Angels Landing today, which of the following reasons best explain why? Please mark (●) **all that apply**.

I was too tired.

I was too hot.

I didn't have enough water.

I didn't have enough time.

I didn't have proper footwear for the terrain.

I was uncomfortable with the sharp drop-offs/exposure.

Others on the trail were behaving dangerously.

- The number of people on the trail made me feel unsafe.
- It was taking too long due to the number of people on the trail.
- Other member(s) of my group wanted to turn around (Please specify reason):

- A weather event occurred (e.g., thunder, lightning, high winds).
- Other (Please specify): _____

Topic Area 4 - VISHIS3

6. Including this hike today, approximately how many times have you hiked the Angels Landing Trail?

In the last 12 months: _____ times, including this hike today

In your lifetime: _____ times, including this hike today

Topic Area 4 - VISHIS3

7. Including this hike today, approximately how many hikes (day and overnight) have you taken in the past 12 months in Zion National Park or other parks and outdoor recreation areas?

_____ hikes (day and overnight), including this hike today

Topic Area 2 - ITIN2

8. When did you decide to take this hike on the Angels Landing Trail? Please mark (●) **one**.

- Today
- In the last week
- More than a week ago, but in the last month
- More than a month ago, but in the last year
- More than a year ago
- Don't know/can't recall

Topic Area 2 - INFOSOURCE9

9. Prior to your hike today, how did you obtain information about the Angels Landing Trail? Please mark (●) **all that apply**.

- Previous visit
- Friends/relatives/word of mouth
- Inquiry to park via phone, mail, or email
- Zion National Park website (nps.gov/ZION)
- Other website (Please specify): _____
- Local businesses (hotels, motels, restaurants, etc.)
- The Mighty 5 advertisements
- Maps/brochures
- Newspaper/magazine articles
- Other units of the National Park System (NPS)
- School class/program
- Social media (such as Facebook, Twitter, etc.)
- State welcome center/visitors bureau/chamber of commerce

- Television/radio programs/DVDs
- Travel guides/tour books (such as AAA, etc.)
- Other (Please specify): _____

OR

- Did not obtain information prior to this visit

Topic Area 12 - SAFPREP4

10. Now that you have completed the hike on the Angels Landing Trail, how prepared did you feel like you were for the hike today? Please mark (●) **one**.
- Not at all prepared
 - Not very prepared
 - Moderately prepared
 - Very prepared
 - Extremely prepared

Topic Area 6 - PERSAFE6

11. On this hike on the Angels Landing Trail today, did you feel prepared for the following common safety situations that you may have encountered? Please mark (●) **one for each row**.

	Yes	No
Exposure to sun	<input type="radio"/>	<input type="radio"/>
Heat	<input type="radio"/>	<input type="radio"/>
Adequate drinking water	<input type="radio"/>	<input type="radio"/>
Steep sections of trail	<input type="radio"/>	<input type="radio"/>
Proper footwear for the terrain	<input type="radio"/>	<input type="radio"/>

NOTE TO REVIEWER: For Question 12, respondents will be asked to review a series of six photographs used to depict various levels of crowding on the top of Angels Landing. Respondents will be shown one photograph at a time in a pre-determined order. For Question 12a, the respondent will be asked to view each photo and indicate (yes or no) if they would feel crowded with the number of people in the photographed area. The respondent will then reference the photographs to answer Questions 12b, 12c, 12d, 12e, and 12f.

Topic Area 6 – CROWD35

12. We would like to know how many other hikers you think it is acceptable to see on the top of Angels Landing without it being too crowded. To help judge this, we have a series of photographs that show different numbers of hikers in this area. Please ask the survey administrator to show you these photos to answer the following questions.

- a. For each photograph, please tell us if you would feel crowded if you were on the top of Angels Landing with the number of people depicted in the photograph. Please mark (●) **one for each photograph**.

	...I would feel crowded	
	Yes	No
Photo 1	<input type="radio"/>	<input type="radio"/>
Photo 2	<input type="radio"/>	<input type="radio"/>
Photo 3	<input type="radio"/>	<input type="radio"/>
Photo 4	<input type="radio"/>	<input type="radio"/>
Photo 5	<input type="radio"/>	<input type="radio"/>
Photo 6	<input type="radio"/>	<input type="radio"/>

Topic Area 6 – CROWD35

- b. Which photograph shows the number of people you would prefer to see on the top of Angels Landing?

Photo number: _____

Topic Area 6 – CROWD36

- c. Which photograph shows the maximum number of people you think Zion National Park should allow? In other words, at what point should people be restricted from hiking the Angels Landing Trail? If you think use should not be restricted at any point represented in the photographs, or not restricted at all, you may indicate that.

Photo number: _____ → **GO ON TO PART D**

OR

- None of the photographs show a high enough number of people to restrict people from hiking on the Angels Landing Trail. → **GO ON TO PART D**

OR

- The number of people allowed to hike on the Angels Landing Trail should not be restricted regardless of the number of people on the trail. → **GO ON TO PART E**

Topic Area 6 – CROWD7

- d. Should the number of people allowed to hike on the Angels Landing trail each day be limited if it is needed for any of the following reasons, even if it limits when you can hike Angels Landing? (Check one box for each reason.)

Reason for Limit	Should the number of hikers per day be limited?		
	Yes	No	Don't Know/ Not Sure
To protect the quality of visitors' experiences (i.e., prevent crowding)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To protect visitors' safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
To reduce environmental impacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Topic Area 6 – CROWD38 (Variation) – This variation asks the respondent to indicate which photo they find unacceptable, as opposed to the respondent writing in a number of people that would represent the maximum number of visitors that would be so unacceptable to cause them to delay or discontinue their planned hike to the top of Angles Landing.

- e. Which photograph shows the number of people that would be so unacceptable you would not want to hike to the top of Angels Landing because of crowding? If none of the photographs represent this condition, you may indicate that.

Photo number: _____

OR

- None of the photographs are so unacceptable that I would not want to hike to the top of Angels Landing because of crowding.

Topic Area 6 – CROWD37

- f. Which photograph looks most like the number of people you typically saw today on the top of Angels Landing?

Photo number: _____

OR

- I did not hike to the top of Angels Landing today.

Topic Area 6 – CROWD37

13. How crowded did you feel at each of the following locations? Please mark (●) **one for each row.**

	...I felt crowded		Did not visit today
	Yes	No	
At Scout Lookout	<input type="radio"/>	<input type="radio"/>	
On the Angels Landing Trail as a whole	<input type="radio"/>	<input type="radio"/>	
On sections of the Angels Landing Trail with chains	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
On exposed sections of the Angels Landing Trail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
On top of Angels Landing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Topic Area 6 – CROWD16

14. To what extent do you agree or disagree with each of the following statements about the Angels Landing Trail?

	Highly Disagree	Slightly Disagree	Neither Agree or Disagree	Slightly Agree	Highly Agree
The Angels Landing Trail is dangerous.	-2	-1	0	+1	+2
It's not likely that I would have an accident on the Angels Landing Trail.	-2	-1	0	+1	+2
Bypassing the chains is not a safe way to get by slower hikers on the Angels Landing Trail.	-2	-1	0	+1	+2
The Angels Landing Trail is depicted as being more difficult than it really is.	-2	-1	0	+1	+2
Hiking the Angels Landing Trail is more dangerous than hiking other trails.	-2	-1	0	+1	+2
The likelihood of the average person having an accident on the Angels Landing Trail is high.	-2	-1	0	+1	+2
If an accident happens to me on the Angels Landing Trail, rangers will be able to help me back to safety.	-2	-1	0	+1	+2
The number of people using the Angels Landing Trail is about right.	-2	-1	0	+1	+2
The likelihood of a serious injury occurring from an accident on the Angels Landing Trail is high.	-2	-1	0	+1	+2
Hiking the Angels Landing Trail requires special physical conditioning.	-2	-1	0	+1	+2
Hiking the Angels Landing Trail requires special caution.	-2	-1	0	+1	+2

Topic Area 6 – PERSAFE15

15. How much did you worry during your hike on the Angels Landing Trail today about each of the following risks? Please mark (●) **one for each row.**

	...I was worried about	
	Yes	No
Slipping while hiking on the trail	<input type="radio"/>	<input type="radio"/>
Losing my grip on the chains	<input type="radio"/>	<input type="radio"/>
Falling all the way to the canyon floor from the trail	<input type="radio"/>	<input type="radio"/>
Someone falling into me while hiking the trail	<input type="radio"/>	<input type="radio"/>
Seeing someone fall from the trail	<input type="radio"/>	<input type="radio"/>
Unsafe/risky behavior of others threatening my safety	<input type="radio"/>	<input type="radio"/>
Being unable to get back down the trail	<input type="radio"/>	<input type="radio"/>
Being injured while hiking the trail	<input type="radio"/>	<input type="radio"/>
Freezing (being unable to move) on the trail due to fear	<input type="radio"/>	<input type="radio"/>

Topic Area 9 – OPMGMT13

16. To what extent would you support or oppose each of the following potential management practices for the Angels Landing Trail? Please circle **one for each row.**

	Strongly Oppose	Slightly Oppose	Neither Support or Oppose	Slightly Support	Strongly Support
Increase informational signs regarding potential safety/crowding/natural hazards of the trail	-2	-1	0	+1	+2
Require an orientation (e.g., a short video) that reinforces safety and Leave No Trace principles	-2	-1	0	+1	+2
Implement a mandatory use etiquette education program regarding use of the trail	-2	-1	0	+1	+2
Limit the number of visitors allowed to use the trail each day by means of first come, first served permit system	-2	-1	0	+1	+2
Limit the number of visitors allowed to use the trail each day by means of a reserve in advance permit system	-2	-1	0	+1	+2
Hourly limits of people allowed to use the trail, to ensure the number of people on the trail does not exceed a certain number	-2	-1	0	+1	+2
Provide more rangers along the trail to enforce Leave No Trace principles, rules, and regulations	-2	-1	0	+1	+2
Require all hikers on the trail to use proper footwear for the terrain	-2	-1	0	+1	+2
Require all hikers to be of a certain age to hike the trail	-2	-1	0	+1	+2
Limit promotion of the trail (remove interpretive photos, work with the concessionaire and interpretive association to minimize related souvenir sales, reduce tourism marketing, etc.)	-2	-1	0	+1	+2

Topic Area 7 – EVALSERV4

17. Please rate the Angels Landing Trail on the following. Please circle **one** for each row.

	Extremely Poor	Somewhat Poor	Neither Good nor Poor	Somewhat Good	Extremely Good
Availability of information	-2	-1	0	+1	+2
Safety and security	-2	-1	0	+1	+2
Your overall satisfaction	-2	-1	0	+1	+2
Level of crowding on the Angels Landing Trail	-2	-1	0	+1	+2
Level of crowding at the top of Angels Landing	-2	-1	0	+1	+2
Presence of rangers	-2	-1	0	+1	+2

Topic Area 2 – INFOSOURCE14

18. a. Did you encounter a ranger on the hike today?

- Yes
- No

b. If YES, did you gain information regarding the Angels Landing Trail from them?

- Yes
- No

Topic Area 5 – RecBACK18

19. Did you encounter any of the following on the Angels Landing Trail today? Please mark (●) **one** for each row.

	No	Yes, Some	Yes, A Lot
Graffiti	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Litter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Visible human waste	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Human waste odor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dangerous behavior	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Falling rocks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Individuals frozen on the trail due to fear	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Individuals you believe were unprepared for the hike	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Individuals you believe were not fit enough for the hike	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Individuals walking off trail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loud noise created by other visitors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Topic Area 6 – PERSAFE4

20. Are there any safety issues that need to be addressed concerning the Angels Landing hike, and if so, what are they?

Topic Area 5 - RecACT17

21. What did you like most about the Angels Landing hike today?

Topic Area 5 - RecACT18

22. What did you like least about the Angels Landing hike today?

Topic Area 4 - DEST5

23. Have you hiked or do you plan to hike any of these other trails in the park today? Please mark (●) **all that apply**.

- Riverside Walk
- The Narrows
- Hidden Canyon
- Upper Emerald Pools
- Observation Point
- Watchman
- Other (Please specify): _____

OR

- Angels Landing is my only hike today.

Topic Area 10 – ECON5

24. On this trip, how much total time do you plan to spend visiting Zion National Park? For this question, a **visit** is defined as the day in which you were contacted to complete this questionnaire. A **trip** is defined as the total extent of time away from your personal residence that could include multiple visits to Zion National Park.

_____ Number of hours, if a day trip to the park

_____ Number of days, if greater than 1-day trip to the park

Topic Area 1 – AGE1

25. What is your age? _____

Topic Area 1 – GEND1

26. What is your gender? Please mark (●) **one**.

Male

Female

Topic Area 1 – RES2

27. Where do you live?

US ZIP _____

Country (if not US) _____

Topic Area 1 – RACE/ETH1

28. Are you Hispanic or Latino? Please mark (●) **one**.

Yes

No

I prefer not to answer.

Topic Area 1 – RACE/ETH2

29. What is your race? Please mark (●) **all that apply**.

American Indian or Alaska Native

Asian

Black or African American

Native Hawaiian or other Pacific Islander

White

I prefer not to answer.

Topic Area 1 – EDUC1

30. What is the highest level of formal education you have completed? Please mark (●) **one**.

Less than high school

Some high school

High school graduate or GED

Some college, business, or trade school

College, business, or trade school graduate

- Some graduate school
- Master's, doctoral, or professional degree
- I prefer not to answer.

Topic Area 9 - OPMGMT10

31. Is there anything else you would like to tell us about your visit to Zion National Park?

Thank you for your help! Please return the survey to the administrator.