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Introduction

The purpose of this research project is to collect visitor use data (both dispersed use and overall use) on the Pleasant Grove Ranger District of the Uinta-Wasatch-Cache National Forest, by conducting visitor intercept surveys (on-site interviews) at recreational sites, areas, and trailheads. Additionally, for those respondents agreeing to participate, a more-detailed, on-line e-survey will be administered. The data collected and subsequent analysis will be useful for the National Forest, Mountanland Association of Governments, and the American Fork Canyon Vision. This research project is being funded through the Mountanland Association of Governments and the Pleasant Grove Ranger District.

This report outlines the data gathered from the intercept survey during the **2015 spring quarter (February, March, April, and May)** of this twelve-month project. The intercept survey is designed to gather the following information: visitor demographics including group size and make-up; local and non-local use; visitor use patterns; minority use; forms of transportation utilized for access; explore additional transportation options; sites/areas recreated in and activities in which participated; motivations for recreation participation and personal values/benefits sought; issues of solitude and perceived crowding; and awareness and visitation of designated Wilderness Areas.

Methods

All study participants were recreating on the Pleasant Grove Ranger District when they were surveyed. Visitors were intercepted at trailheads and recreation areas as they were leaving these sites. Visitors were surveyed by a surveyor working for the Utah Conservation Corps, who was trained by Utah State University's Institute for Outdoor Recreation and Tourism research staff. Surveys were verbally administered, and each survey takes between eight to twelve minutes to complete. No recruiting tools or incentives were used to entice study participation.

Survey locations were chosen by the Pleasant Grove Ranger District's staff. A variety of sites were chosen across the Pleasant Grove Ranger District to capture its diverse use and users. Sites were chosen to represent frontcountry and backcountry users, motorized and non-motorized users, and day and overnight users. The days and times these sites were surveyed were chosen at random. Each month, sixteen sites were surveyed, and each site was surveyed during a six hour AM or PM block—AM (8:00 a.m. - 2:00 p.m.) PM (1:00 p.m. - 7:00 p.m.). (Note: PM survey times change with the seasonal changes in daylight hours.) Copies of this study's randomized survey schedule can be seen in Appendix D.

Many of the question used in the survey instrument were developed by the USDA Forest Service for its National Visitor Use Monitoring Program (NVUM). Additional questions were added to the survey instrument that were more applicable to the Pleasant Grove Ranger District and current planning efforts. The final draft of the survey instrument was developed by the Institute for Outdoor Recreation and Tourism, the Pleasant Grove Ranger District, Mountanland Association of Governments, and Logan Simpson Design, who is undertaking the American Fork Canyon Visioning effort. A copy of the survey instrument can be found in Appendix G.

Results

Over the first quarter, 370 visitor intercept surveys were completed. Table 1 presents the number of surveys completed at each survey location over the spring quarter.

Table 1: Number of surveys completed by site

	Surveys	(Percent of Surveys Completed)
Tibble Fork	97	(26.2)
Battle Creek (Pleasant Grove)	70	(18.9)
Dry Canyon (Lindon)	43	(11.6)
Grove Creek (Pleasant Grove)	30	(8.1)
Pine Hollow	25	(6.8)
Dry Creek (Alpine)	22	(5.9)
Mt Timpanogos TH/Theater in the Pines	22	(5.9)
Roadhouse	21	(5.7)
Snake Creek	18	(4.9)
Martin	9	(2.4)
Soldier Hollow	8	(2.2)
Mile Rock	4	(1.1)
Saw Mill	1	(0.3)
Total	370	(100.0)

The results section follows the format of the intercept survey. Each question on the intercept survey is presented in italics, and is followed by tables, graphs, and interpretations of the data.

Are you a resident of the United States?

Yes ***If Yes, what is your Home Zip Code?*** _____

No ***If No, what Country are you from?*** _____

The question above was used to identify how far visitors were traveling to reach the Pleasant Grove Ranger District (PGRD). This analysis was done by calculating the distance each zip code was from a central location (i.e., Tibble Fork Reservoir) in the Pleasant Grove Ranger District. As seen in Figure 1, the overwhelming majority of visitors live fewer than 40 miles from Tibble Fork Reservoir. The median distance traveled by visitors was 22 miles, and the mean distance was 125 miles. The large discrepancy between the median and mean illustrates the heavily right-skewed distribution of the histogram below. The minimum distance traveled was 11 miles, and the maximum distance traveled by U.S. residents to reach the Pleasant Grove Ranger District during the spring quarter was 2,220 miles. Over this quarter, three respondent

were from outside of the county—Thailand, India, and Germany—and one traveled from Hawaii. These data show that 83.9% of PGRD visitors live fewer than 40 miles from Tibble Fork Reservoir, and 72.1% live fewer than 30 miles.

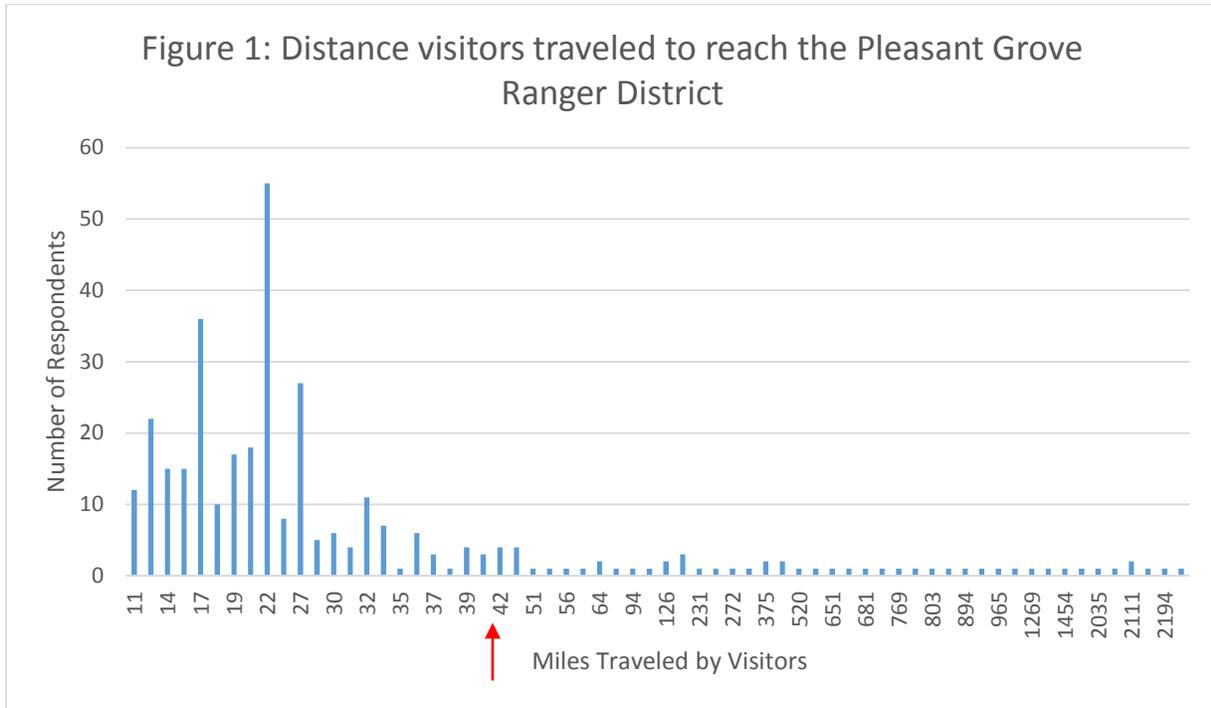


Table 2: Respondents' Trip Duration

	Number	Percent
Short trip under three hours	280	78
About half the day	53	14.8
The majority of the day	12	3.3
Overnight	7	1.9
Multiple days	7	1.9
Total	366	100

Table 3: Number of days respondents spent recreating on their trip

	Number	Percent
Two days	5	41.7
Three days	3	25
Four days	1	8.3
Five days	3	25
Total	12	100

On this trip, are you planning on visiting any other sites in American Fork Canyon/the Alpine Loop besides this one? Yes No

If Yes, how many other sites are you going to visit? _____ sites

Respondents were asked if they planned on visiting more than one site during their trip to the PGRD. The majority (82.5%) of respondents said they only planned on visiting one site during their trip to the PGRD. Of the 17.5% who did plan on visiting multiple sites during their recreational visit, 28 respondents planned on visiting two sites, 18 planned on visiting three sites, seven planned on visiting four sites, and four planned on visiting five sites. Table 4 presents the proportion of respondents who visited one site and the respondents who visited more than one site. Table 5 presents the number of sites visited by respondents who visited more than one site.

Table 4: Respondents visiting more than one site per visit

Visited more than one site	Number of respondents	Percent
No	302	82.5
Yes	64	17.5
Total	366	100

Table 5: Number of sites visited by respondents who visited more than one site

Total number of sites visited	Number of respondents	Percent
2	28	45.9
3	18	29.5
4	7	11.5
5	4	6.6
6	2	3.3
8	1	1.6
10	1	1.6
Total	61	100

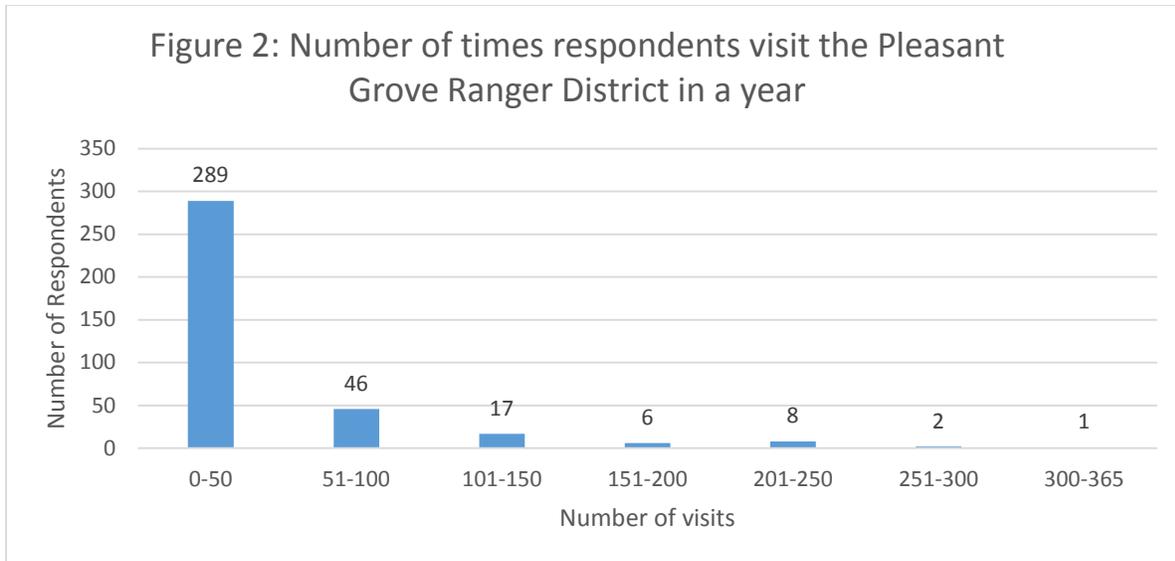
On average, how many times per year do you visit American Fork Canyon/the Alpine Loop?
 _____ ***times per year***

Respondents were asked, on average, how many times they visit the PGRD in a year. The median number of times respondents visit the PGRD was 10 times, and the mean was 33.56 times. Table 6 presents the mean, median, standard deviation, and range of days respondents visit the PGRD in a year.

Table 6: Number of times respondents visit the Pleasant Grove Ranger District in a year

	Visits
Mean	33.56
Median	10
Std. Deviation	54.35
Minimum	1
Maximum	310

Figure 2 shows the wide range, but heavily left right skewed distribution of the number of times respondents visit the PGRD per year.



What types of areas do you use most often when recreating here in American Fork Canyon/the Alpine Loop?

- Developed areas, such as developed campgrounds, picnic areas, ski resorts, etc.*
- Undeveloped areas, such as trails, dirt roads, rivers and lakes, dispersed camping, wilderness, etc.*
- I use both developed and undeveloped areas equally.*

Half (49.4%) of the respondents reporting using both developed and undeveloped areas equally, and 38.6% said they mostly use undeveloped areas while recreating on the Pleasant Grove Ranger District (Table 7). Only 11.9% of respondents said they use developed sites most often.

Table 7: Proportion of respondents who use developed and undeveloped areas

	Number	Percent
Developed	43	11.9
Undeveloped	139	38.6
Both	178	49.4
Total	360	100

For **TODAY**, please check “✓” all of the Recreation Activities you have participated in (or will participate in). Then, **Circle** your **MAIN** activity or purpose for visiting American Fork Canyon/Alpine Loop **TODAY**.

✓	RECREATION ACTIVITIES
NON-MOTORIZED ACTIVITIES	
	Hiking/Walking
	Trail running
	Horseback riding
	Road cycling
	Mountain biking
	Fat biking
	Non-motorized water travel (canoe, kayak, raft, sail)
	Rock climbing
	Ice climbing
	Downhill skiing (Resort)
	Snowboarding (Resort)
	Cross-country skiing
	Backcountry skiing
	Backcountry snowboarding
	Snowshoeing
	Sledding, tobogganing
	Other non-motorized activities (races, endurance events)
MOTORIZED ACTIVITIES	
	Driving for pleasure on roads (paved, gravel or dirt)
	Riding on motorized trails (non-snow, OHV/ATV)
	Snowmobile travel
	Other motorized activities (races, games)
VIEWING & LEARNING—NATURE & CULTURE	
	Viewing wildlife, birds, fish, natural features, scenery, flowers, etc.
	Photographing birds, fish, natural features, scenery, flowers, etc.
	Visiting historic and prehistoric
	Nature study
	Visiting a nature center, interpretive trail, or visitor center

✓	RECREATION ACTIVITIES
CAMPING OR OTHER OVERNIGHT	
	Camping in developed sites (family or group sites)
	Primitive camping (motorized in roaded areas)
	Primitive camping (backpacking in unroaded backcountry areas)
	Resorts, cabins, or other accommodations on Forest Service managed lands (private or FS)
FISHING & HUNTING	
	Fishing—all types
	Hunting—all types
OTHER ACTIVITIES	
	Picnicking or family day gatherings in developed sites (family or group)
	Gathering mushrooms, berries, firewood, or other natural products
	Relaxing, hanging out
	Escaping heat, noise, pollution, etc.
	Exercising
	Walking/Exercising Pet(s)
	Visiting Timpanogos Cave National Monument
OTHER ACTIVITIES NOT LISTED? (Please write in below and ✓ to left.)	

The question on the previous page asks two things: it first asks respondents to identify all of the recreational activities they will be participating in during their visit to the PGRD, and it also asks them to identify their “main” activity or reason for visiting. The most popular “main” recreational activity participated in by PGRD visitors was hiking (54.1%). The second most popular activity was fishing (7.9%), followed by driving for pleasure (7%), picnicking (5.6%), riding on motorized trails (3.7%), and trail running (3.1%) (Table 8).

Table 8: Respondents’ main reason for visiting the Pleasant Grove Ranger District

	Number	Percent
Hiking/Walking	192	54.1%
Fishing	28	7.9%
Driving for pleasure on roads (paved, gravel, or dirt)	25	7.0%
Picnicking of family day gatherings in developed sites (family or group)	20	5.6%
Riding on motorized trails (non-snow, OHV/ATV)	13	3.7%
Trail running	11	3.1%
Mountain biking	8	2.3%
Viewing/photographing natural features, scenery, flowers, etc	6	1.7%
Relaxing, hanging out	6	1.7%
Horseback riding	6	1.7%
Portrait photography	6	1.7%
Rock climbing	5	1.4%
Camping in developed sites (family or group)	4	1.1%
Road cycling	3	0.8%
Backcountry skiing	3	0.8%
Viewing/photographing wildlife, birds, fish, etc.	2	0.6%
Hunting	2	0.6%
Walking/Exercising Pet(s)	2	0.6%
Non-motorized water travel (canoe, kayak, raft, sail)	1	0.3%
Ice climbing	1	0.3%
Downhill skiing (Resort)	1	0.3%
Backcountry snowboarding	1	0.3%
Sledding, tobogganing	1	0.3%
Other non-motorized activities (races, endurance events)	1	0.3%
Snowmobiling	1	0.3%
Other motorized activities (races, games)	1	0.3%
Gathering mushrooms, berries, firewood, or other natural products	1	0.3%
Exercising	1	0.3%
Airsoft	1	0.3%
Panning for gold	1	0.3%
Paddle boarding	1	0.3%
	355	100%

Table 9 includes all of the activities in which respondents reported participating. Hiking (49.8%), viewing wildlife, birds, fish, natural features, scenery, flowers, etc. (13.3%), relaxing and hanging out (8.8%), photography (6.9%), and exercising (6.9%) were the most common activities.

Table 9: All activities in which respondents participated

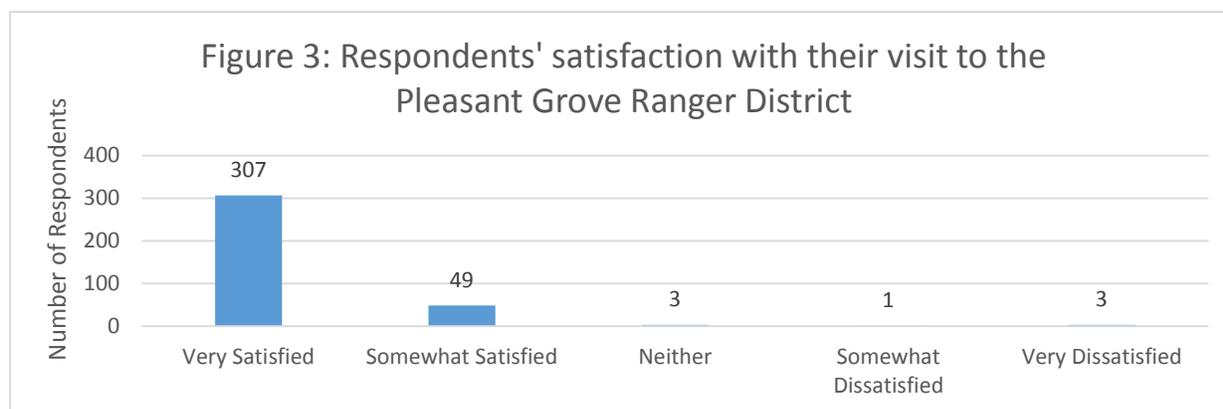
	Number	Percent
Hiking/Walking	238	67.0%
Viewing wildlife, birds, fish, natural features, scenery, flowers, etc.	132	37.2%
Relaxing, hanging out	87	24.5%
Photography	69	19.4%
Exercising	66	18.6%
Driving for pleasure on roads (paved, gravel or dirt)	51	14.4%
Escaping heat, noise, pollution, etc.	46	13.0%
Trail running	44	12.4%
Picnicking or family day gatherings in developed sites (family or group)	42	11.8%
Fishing—all types	38	10.7%
Walking/Exercising Pet(s)	34	9.6%
Riding on motorized trails (non-snow, OHV/ATV)	18	5.1%
Gathering mushrooms, berries, firewood, or other natural products	15	4.2%
Rock climbing	13	3.7%
Mountain biking	13	3.7%
Nature study	12	3.4%
Camping in developed sites (family or group sites)	10	2.8%
Other motorized activities (races, games)	9	2.5%
Visiting historic and prehistoric sites/areas	8	2.3%
Horseback riding	7	2.0%
Non-motorized water travel (canoe, kayak, raft, sail)	6	1.7%
Road cycling	5	1.4%
Snowmobile travel	5	1.4%
Visiting a nature center, interpretive trail, or visitor center	4	1.1%
Backcountry skiing	3	0.8%
Other non-motorized activities (races, endurance events)	3	0.8%
Primitive camping (motorized in roaded areas)	3	0.8%
Hunting—all types	3	0.8%
Ice climbing	2	0.6%
Sledding, tobogganing	2	0.6%

Note: Recreational activities that were only mentioned once were omitted from this table. N = 351

Overall, how satisfied or dissatisfied are you with your visit to American Fork Canyon/the Alpine Loop today?

- Very satisfied**
- Somewhat satisfied**
- Neither satisfied or dissatisfied**
- Somewhat dissatisfied**
- Very dissatisfied**

The majority of respondents (84.6%) were “very satisfied” with their visit to the PGRD, and 13.5% were “somewhat satisfied.” Less than two percent were “neither satisfied or dissatisfied” or “Somewhat dissatisfied/very dissatisfied” (Figure 3).



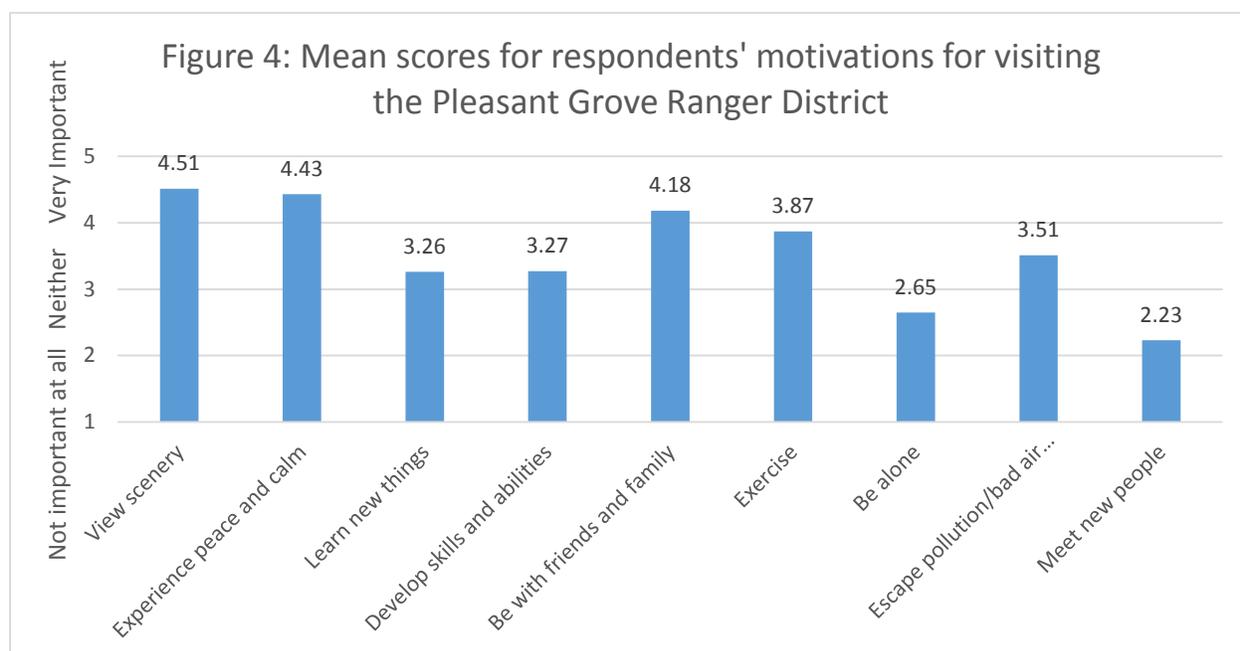
What is the main reason you chose to recreate at this specific site today? (e.g., picnic tables, bathrooms, trail shade, fewer people, scenery, close to home, etc.)

Respondents were asked why they chose the site they did, and the most common reason was because the site was close to their home (27.7%). The next most common reason was for the scenery/beauty of the site (15.5%), followed by access to trails (15%), water and/or fishing (13.6%), and the site’s amenities (5.5%). Other reasons were given by respondents, such as fewer people (3.7%), but these were mentioned by fewer than ten respondents. For the full list of reasons why respondents chose the sites they did, please refer to Appendix B.

What motivated you to recreate TODAY? Please rank below.

	<i>Not Important at All</i>	<i>Somewhat Unimportant</i>	<i>Neither Unimportant nor Important</i>	<i>Somewhat Important</i>	<i>Very Important</i>
<i>View scenery</i>	1	2	3	4	5
<i>Experience peace and calm</i>	1	2	3	4	5
<i>Learn new things</i>	1	2	3	4	5
<i>Develop skills and abilities</i>	1	2	3	4	5
<i>Be with friends and family</i>	1	2	3	4	5
<i>Exercise</i>	1	2	3	4	5
<i>Be alone</i>	1	2	3	4	5
<i>Escape pollution/bad air quality</i>	1	2	3	4	5
<i>Meet new people</i>	1	2	3	4	5

There are many reasons why people visit public lands, and the list of motivations above are some of the most common. Respondents were asked to rank on a scale from “not important at all” to “very important” each of the motivations listed in the table above. Respondents ranked “view scenery,” “experience peace and calm,” “be with friends and family,” and “exercise” as the most important motivating factors for recreating in the PGRD. Respondents ranked “meet new people,” and “be alone” as the least important factors for recreating on the PGRD. Figure 4 presents all of the motivations with their corresponding mean scores.



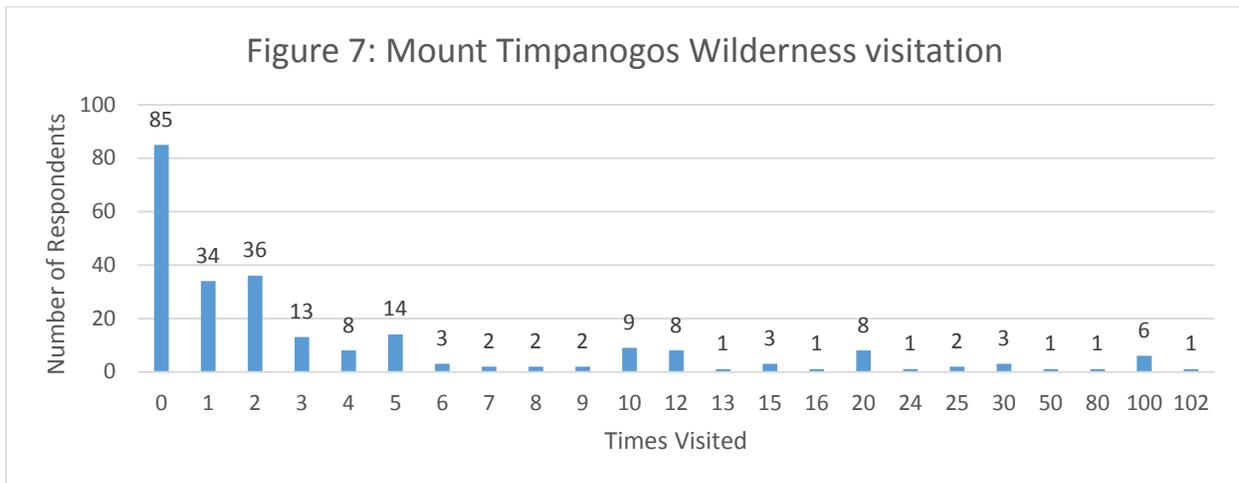
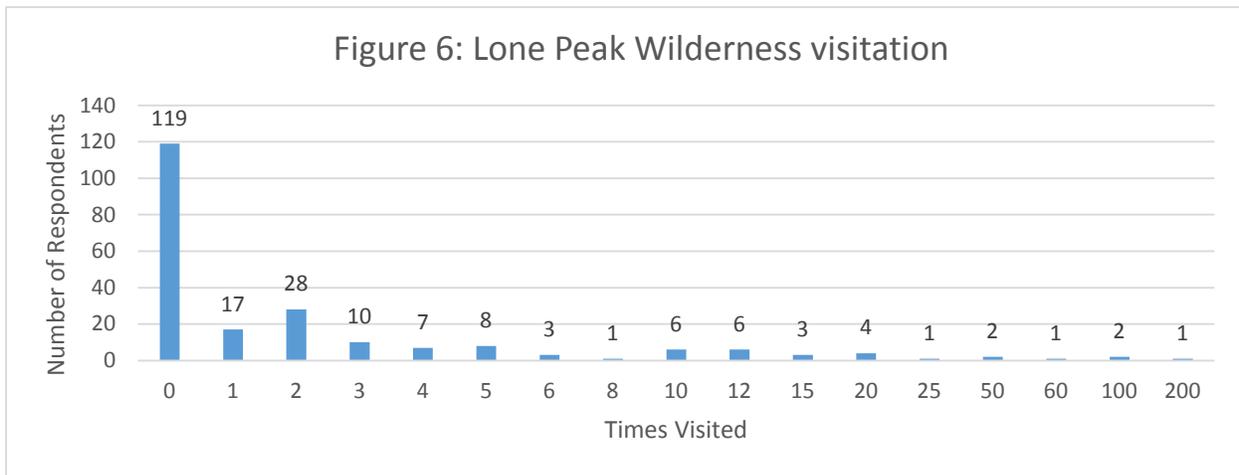
Respondents were asked if they have ever recreated in the Lone Peak or Mount Timpanogos Wilderness Areas, and 222 respondents (75%) said they had. When asked which of the two Wilderness areas they visited, 46% said they visited both Wilderness areas, 46% said they visited only Mount Timpanogos Wilderness area, and 7.8% said they only visited Lone Peak Wilderness.

How many times have you visited these Wilderness areas in the last 12 months?

Lone Peak Wilderness _____

Mt. Timpanogos Wilderness _____

Respondents were then asked how many times they have visited one or both of these Wilderness areas in the last twelve months. Respondents reported visiting the Lone Peak Wilderness Area was less frequently (mean = 4.74, median = 0) than the Mount Timpanogos Wilderness area (mean = 7.09, median = 2). Figures 6 and 7 below present the distributions of respondents' Wilderness visitation on the PGRD.



Of the comments left by respondents explaining why they would support Wilderness expansion, 30% left comments explaining that they love and want to protect the land. Sixteen percent said they did not want any more development, and another 16% said they would like more Wilderness for hiking and horse riding opportunities. Ten percent said they would support additional wilderness expansion, but they had stipulations, such as where the expansion would occur, how much it would cost, and what restrictions would be put into place, to name a few. Nine percent wanted additional Wilderness to enhance wildlife habitat, 6% wanted to preserve the land for the future, 6% wanted to limit motorized access, and 5% wanted more opportunities to experience solitude.

Comments left by the 56 respondents who said they would not support the expansion of Wilderness areas in the PLGD fell into two categories: 1) “I like it how it is” and 2) “Do not limit access.” Of those who left comments, 64% said they opposed Wilderness expansions because it would limit access—most commented on motorized vehicle and mountain bike access—and 36% said they like it the way it is, and there is no need to change it.

Are there places in American Fork Canyon/Alpine Loop you no longer visit because encounters with other forest users/uses have negatively affected your recreational experience? Yes No

If Yes, please identify the area(s) and explain the type of encounter and why you no longer visit:

Respondents were asked if there were places on the PGRD they no longer visit because of negative encounters and/or experiences, and 86.4% said “no” there were not places they no longer visit, and 13.6% said “yes” there were places they no longer visit. When asked what areas they no longer visit and what negatively affected their experience, the most common location was Tibble Fork, and the reasons for no longer visiting ranged from the area being too loud because of ATV/motorcycles, it being altogether too crowded and chaotic, and people wanting to avoid people “partying.” Other areas were also mentioned, and the two most common reasons for no longer visiting those areas were conflicts (motorized/non-motorized conflicts and trail use conflicts) and crowding. To see all of the locations PGRD visitors said they no longer visit, and the reasons why they no longer visit, please refer to Appendix E.

About how many people outside of your group did you encounter (see, talk to, interact with, etc.) while recreating today? _____ people

What do you think about the number of people you encountered while recreating today?

Did they positively enhance your experience? Yes No

If Yes, in what ways? Please describe:

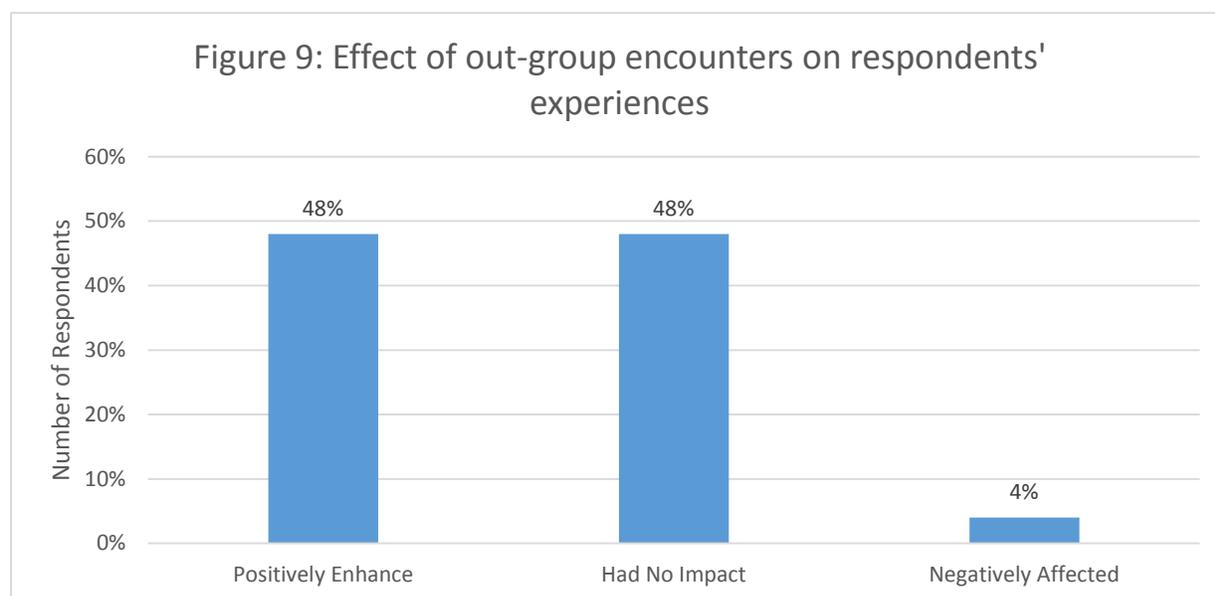
Did they negatively affect your experience? Yes No

If Yes, in what ways? Please describe:

They neither positively enhanced nor negatively affected my experience.

Respondents were asked how many people outside of their group they encountered while recreating. The median number of out-group encounters was three people (mean = 6.22), and the range was from zero to 100 out-group encounters.

Respondents were then asked how those out-group encounters affected their visit to the PGRD. Forty-eight percent said their out-group encounter positively enhanced their recreational visit, 48% said their out-group encounter had no impact, and 4% said their out-group encounter had a negative impact on their experience. Therefore, 96% said their out-group encounter either positively enhanced or had no impact on their visit to the PGRD (Figure 9).



We separated the comments explaining why respondents' out-group encounters negatively affected their experience by location (Table 10). Surprisingly, Tibble Fork Reservoir, which was mentioned most frequently by respondents as the place they no longer visit because of negative experiences, was not mentioned.

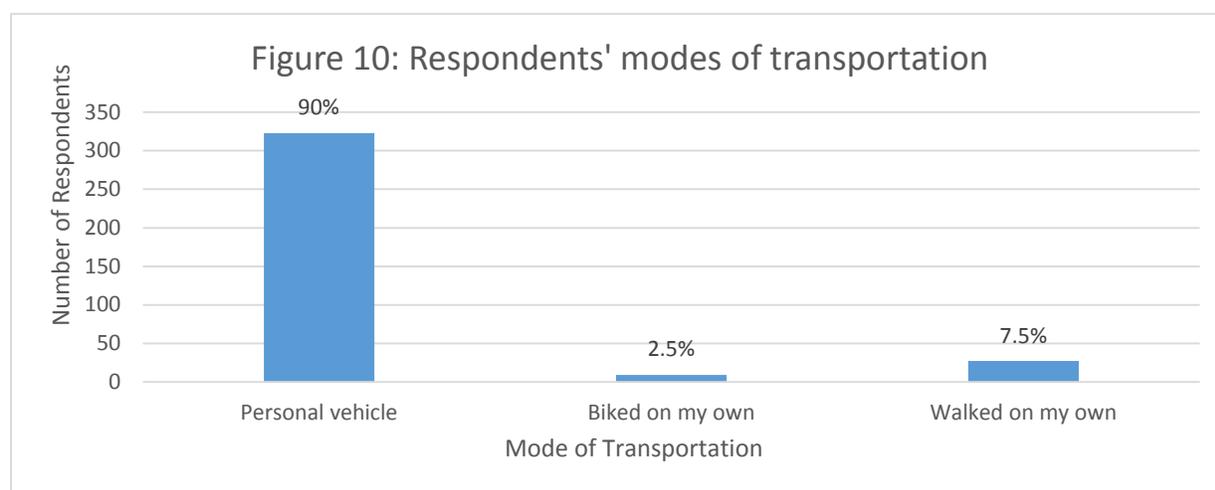
Table 10: Explanations of negative out-group encounters by location

Location	Comment
Roadhouse	I come up here to avoid crowds.
Martin	I wanted more space/solitude.
Mile Rock	I wanted to be alone.
Snake Creek	People riding snowmobiles too close to us while we were skiing.
	They need to slow down (ATVs).
Dry Creek (Alpine)	I don't like running into people.
	When I am hunting I have came on and people treat me differently.
Grove Greek	I don't like dogs on the trails.
	I wanted to be alone.
Battle Creek	It feels crowded.
	They were shooting guns.

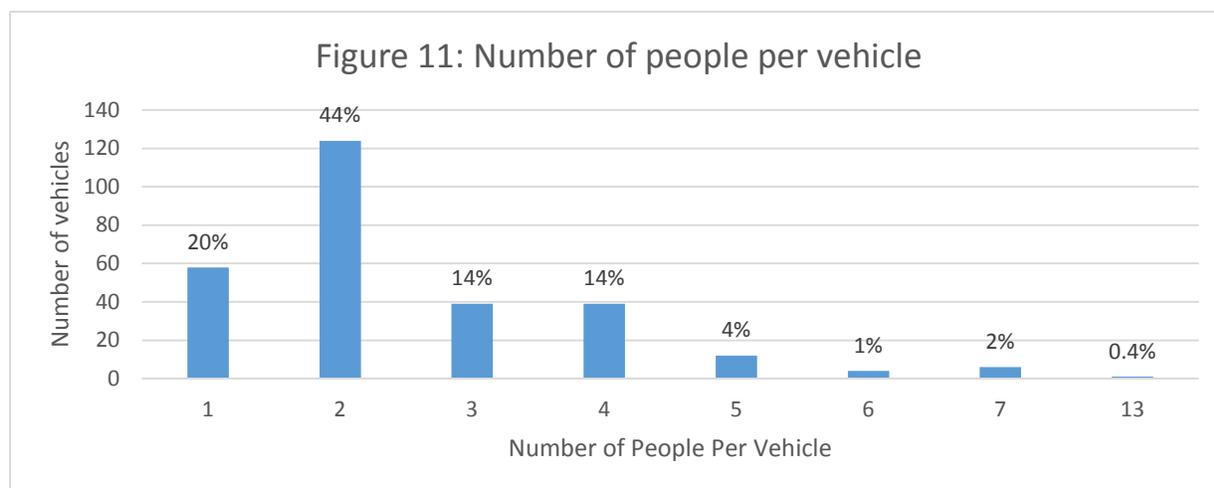
How did you access the recreation site you are visiting today? (Check one)

- Personal Vehicle—How many people were in your vehicle TOTAL?** _____
- Biked on my own**
- Walked on my own**
- Other Please describe:** _____

The most common mode of transportation respondents used to reach their desired recreation site was their personal vehicles (90%). Of the other two modes of transportation, 7.5% biked and 2.5% walked. Figure 10 presents the modes of transportation used by respondents to reach their desired locations in the PLGD.



The respondents who used their personal vehicle to reach their desired location were asked how many people total were traveling in their vehicle. The median number of people per vehicle was two (mean = 2.33) with a range of 1-13. Figure 11 presents the number of people per vehicle.



If a public transit system were available, would you have used it today to reach this recreation site?

Yes No

Please explain: _____

Respondents were asked if they would have used public transportation to reach their desired location the day they were surveyed, and 79% said no, they would not, and 21% said they would have if it were available. Content analysis was performed on the comments left by respondents to gain a better understanding of why respondent would or would not have used a shuttle the day they were surveyed.

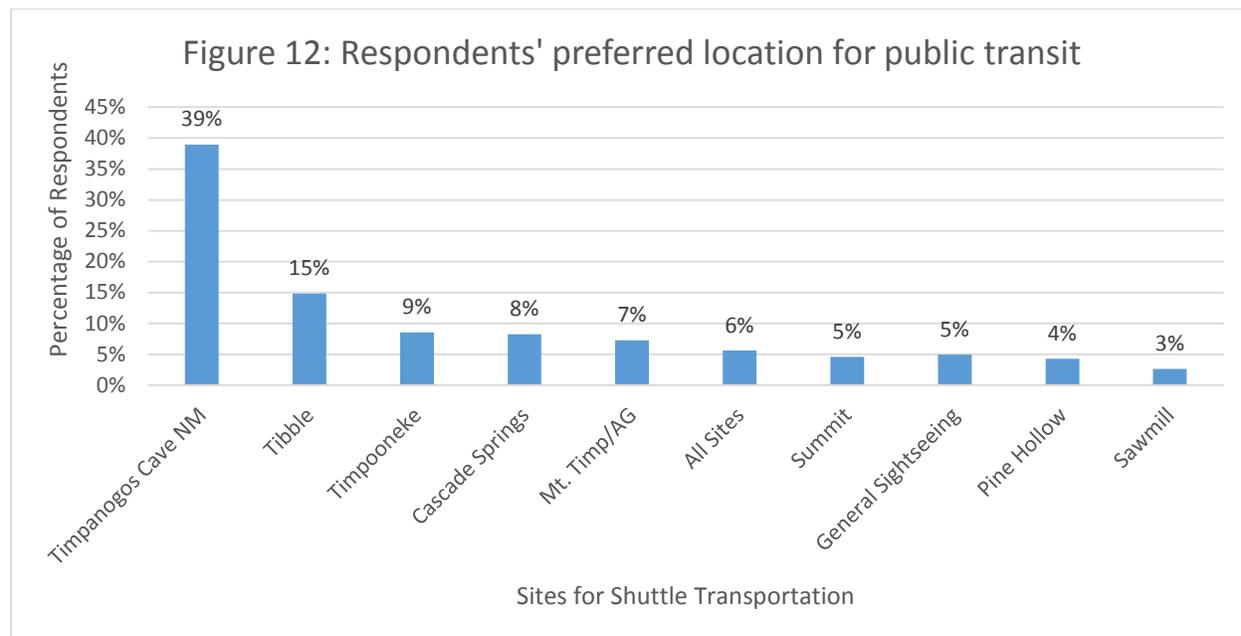
Of the comments left by respondents explaining why they would not have used a shuttle to reach their desired location, 41% said they like driving themselves, 12% said they would not have been able to carry their gear, dog, etc. with them, 13% said the like having control over when they come and leave, 9% said they live so close that it does not make sense to use a shuttle, 9% said they just do not like shuttles, and 5% said they would rather bike or walk than use a shuttle.

Forty-four percent of respondents who said they would have used a shuttle said they would have used it for its convenience, and 12% said they would have liked to save money by not driving. A large portion of respondents who said they would have used the shuttle had stipulations, such as they would have used the shuttle if they could bring their dog, had time to wait for it to pick them up and drop them off, or said if they were to use it it would have to be *very efficient*.

To which of the following sites would you like to see shuttle transportation?

- | | | |
|---|---|---|
| <input type="checkbox"/> Timpanogos Cave NM | <input type="checkbox"/> Timpooneke | <input type="checkbox"/> Mt. Timp/AG |
| <input type="checkbox"/> Sawmill (Cross Country) | <input type="checkbox"/> Summit | <input type="checkbox"/> Cascade Springs |
| <input type="checkbox"/> Tibble | <input type="checkbox"/> Pine Hollow | <input type="checkbox"/> General Sightseeing |

Respondents were then asked pick sites where they would like to see shuttle transportation, and 39% said they would like to see a shuttle system implemented for Timpanogos Cave National Monument. Tibble Fork Reservoir was the next most desired location for shuttle transportation. Only 6% said they would like to see shuttle transportation to all of the sites (Figure 12).



If you could choose just one or two words to describe your personal feelings about American Fork Canyon/Alpine Loop what would the word(s) be?

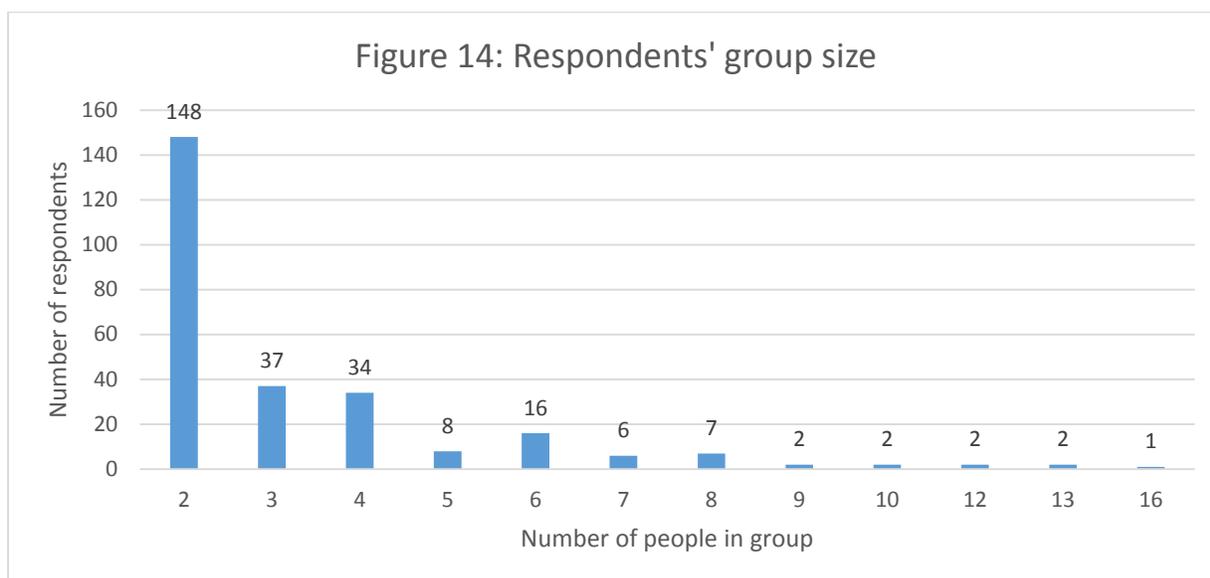
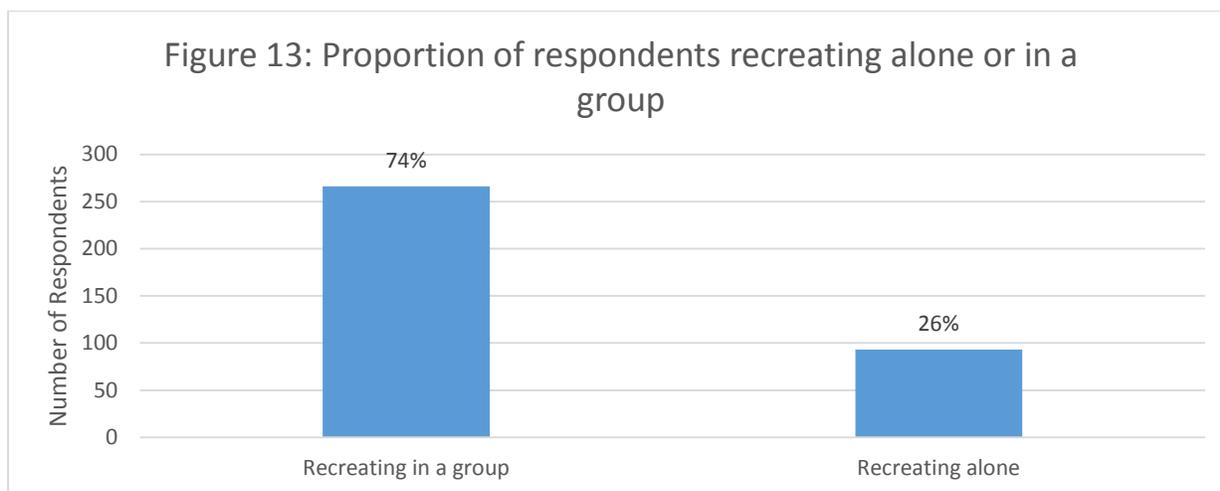
The word map on the cover page of this report was developed from the frequency of words respondents used to describe their personal feeling toward the PGRD. The website *Tagul* was used to develop the word map. For a more detailed of the word map, please refer to Appendix F.

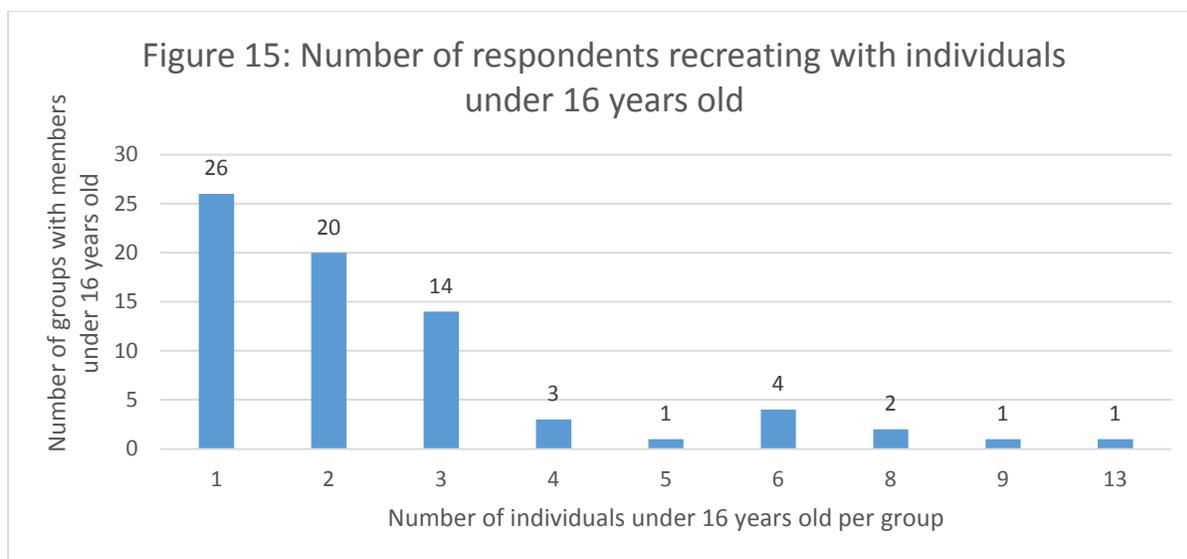
Are you recreating alone today? Yes No

If No, how many people (total) are in your group? _____ people

Of these, how many are under 16 years of age? _____ people

Seventy-four percent of respondents were recreating in a group when they were surveyed (Figure 13). The median group size was two (mean = 3.32) and the range was from two to sixteen people (Figure 14). Of the 74% of respondents who were recreating in a group, 27% had group members who were under 16 years of age (Figure 15).



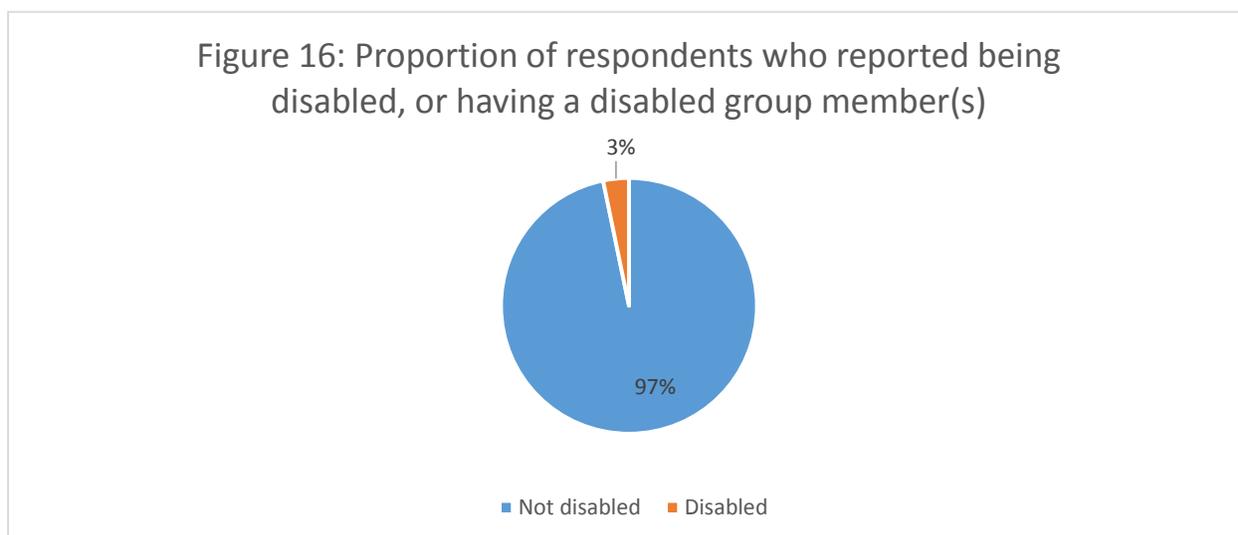


Does anyone in your group have any disabilities? Yes No

If Yes, were the areas and facilities you visited accessible? Yes No

If No, please explain: _____

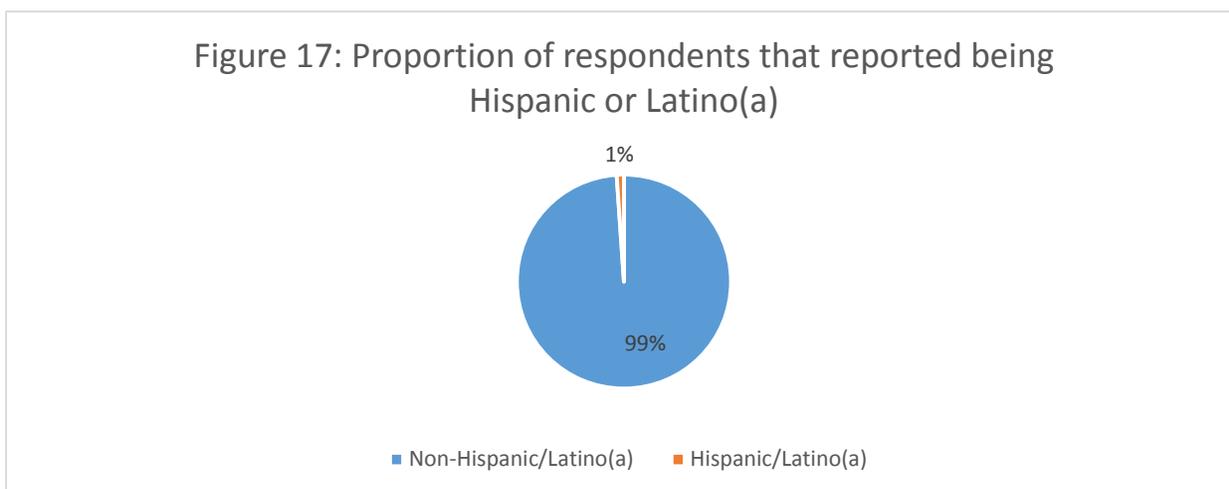
Of the 369 who responded to the question, twelve (3%) reported themselves, or someone in their group as being disabled (Figure 16). Respondents who reported themselves, or someone in their group as being disabled were then asked if the sites and facilities they visited were accessible, and all twelve said “yes,” they were accessible. One respondents did leave a comment suggesting better signage describing trail difficulty so people are aware before embarking.



Do you consider yourself Hispanic or Latino(a)?

- Yes, Hispanic or Latino(a)***
- No, not Hispanic or Latino(a)***

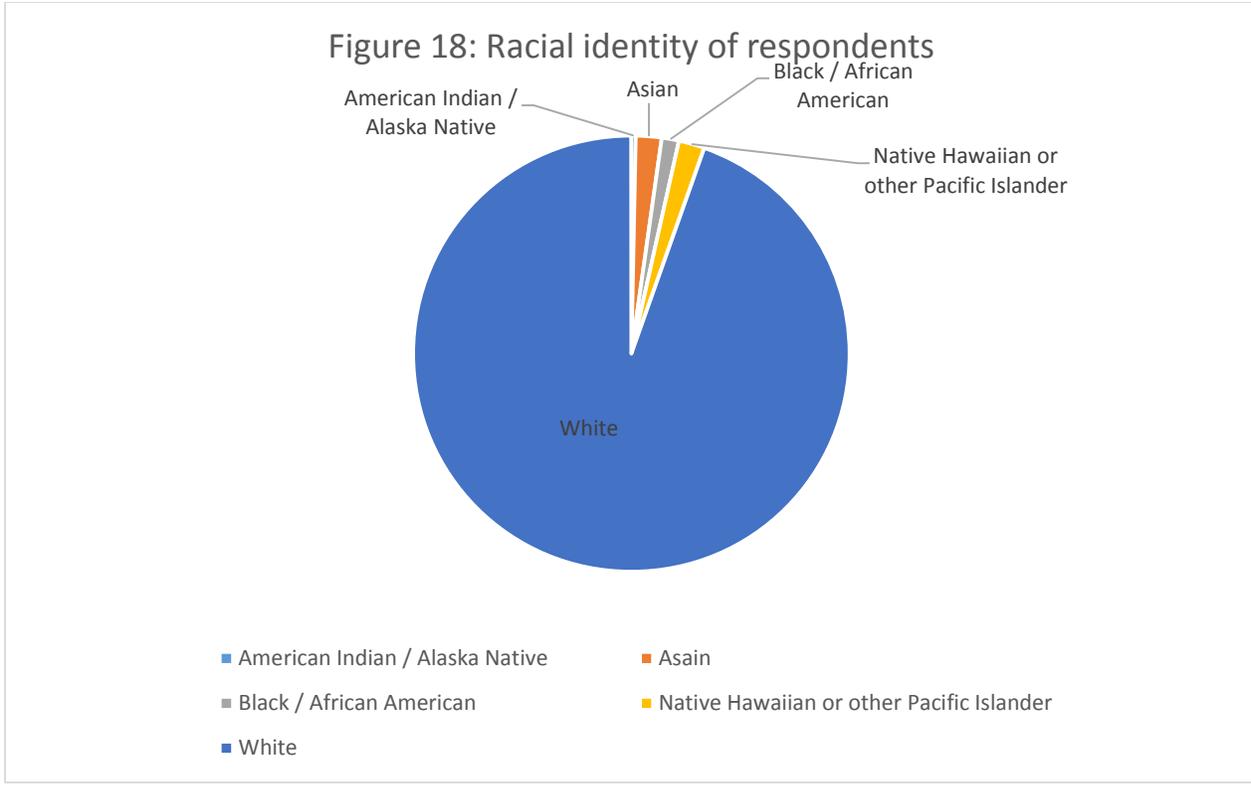
Respondents were asked if they considered themselves Hispanic or Latino(a). Of the 370 people who responded to the question, only four (1%) identified as Hispanic or Latino(a). Figure 17 presents the proportion of respondents who identified as Hispanic or Latino(a).



With which racial group do you most closely identify?

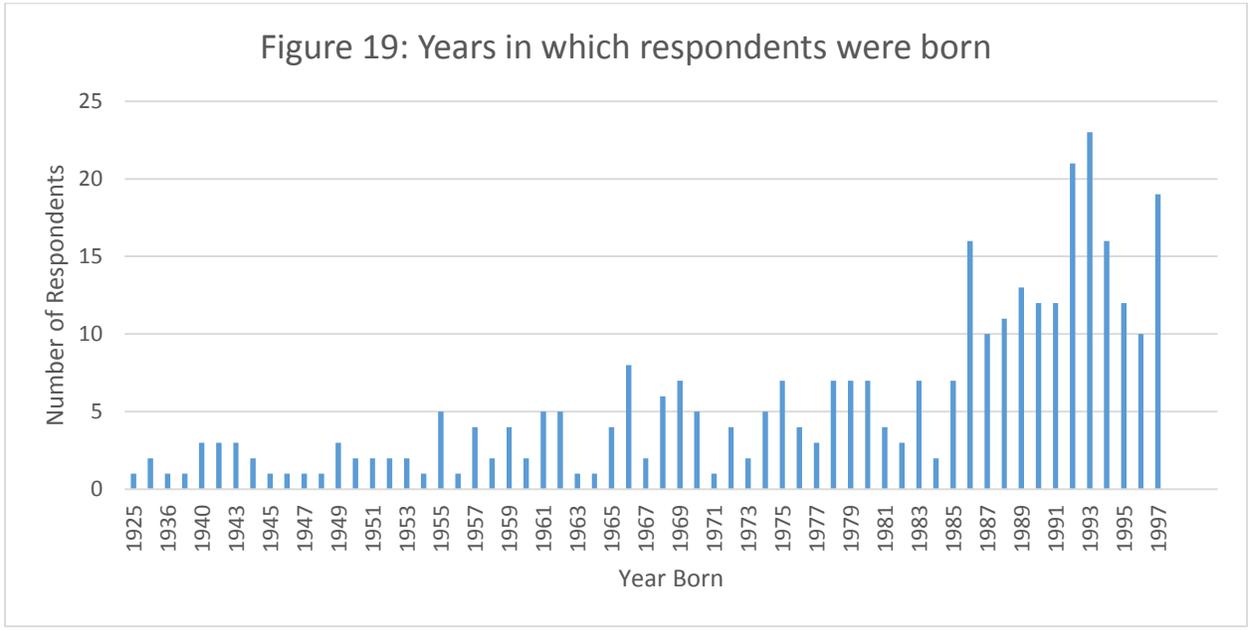
- American Indian/Alaska Native***
- Asian***
- Black/African American***
- Native Hawaiian or other Pacific Islander***
- White***

Respondents were asked which racial group they most closely identified, and 95% identified as “white.” “Asian” (2%) and “Native Hawaiian or other Pacific Islander” (2%) were the next most common racial groups respondents identified, followed by “Black/African American” (1%) and American Indian/Alaska Native” (0.3%) (Figure 18).



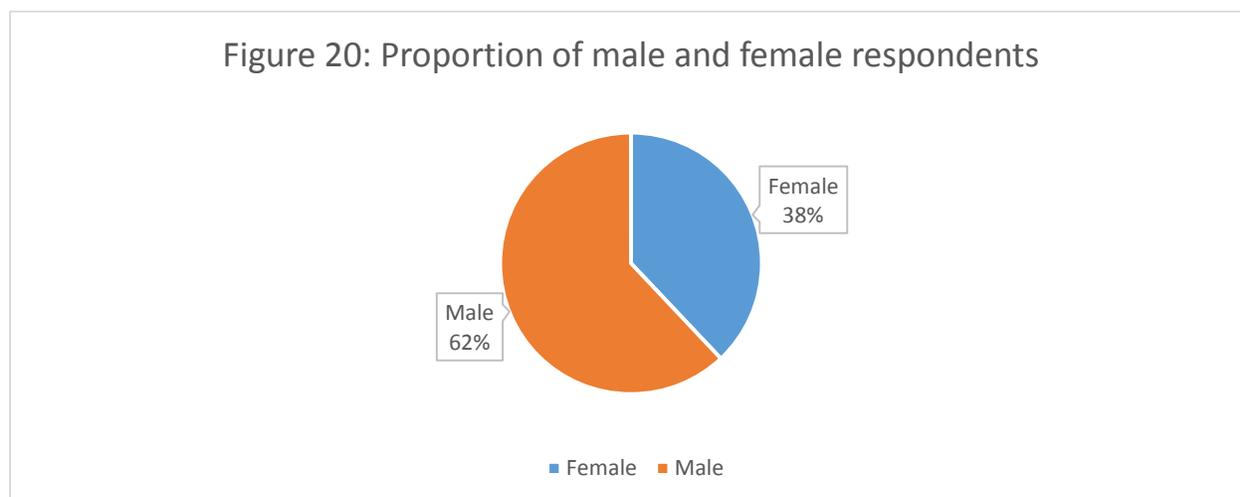
In what year were you born? _____

The median age of respondents was 28 years old (mean = 35 years old), and the range was from 18 to 90 years old. Figure 19 presents the distribution in respondents' ages.



What is your sex: Male Female

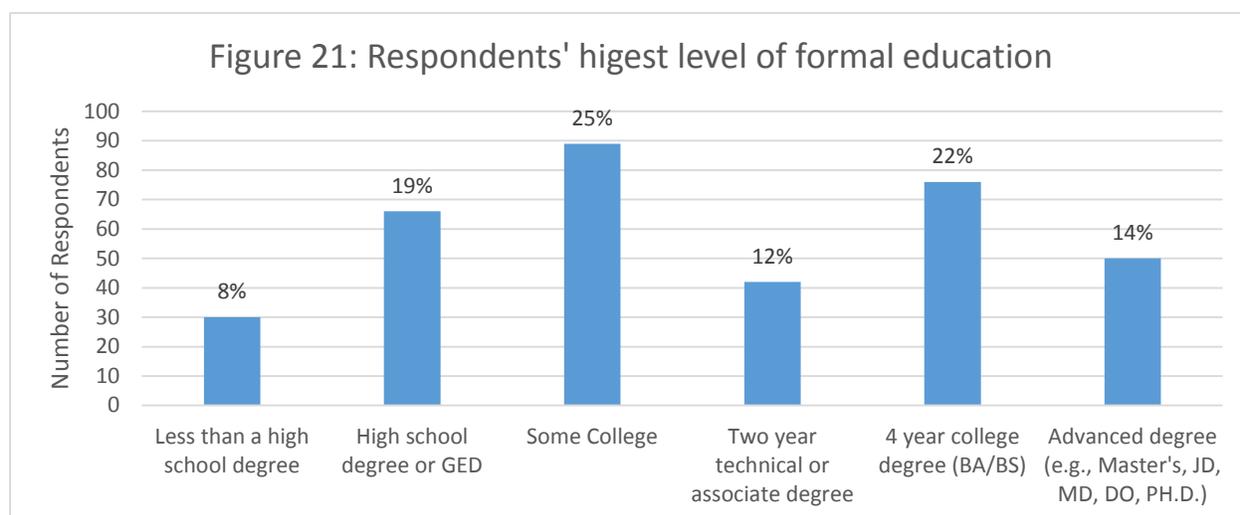
More males (62%) were surveyed than females (38%). Figure 20 presents the proportion of males and females recreating on the PGRD.



What is the highest level of formal education you have completed?

- Less than a high school degree High school degree or GED
 Some college 2 year technical or associate degree
 4 year college degree (BA/BS) Advanced degree (e.g., Master's, JD, MD, DO, Ph.D.)

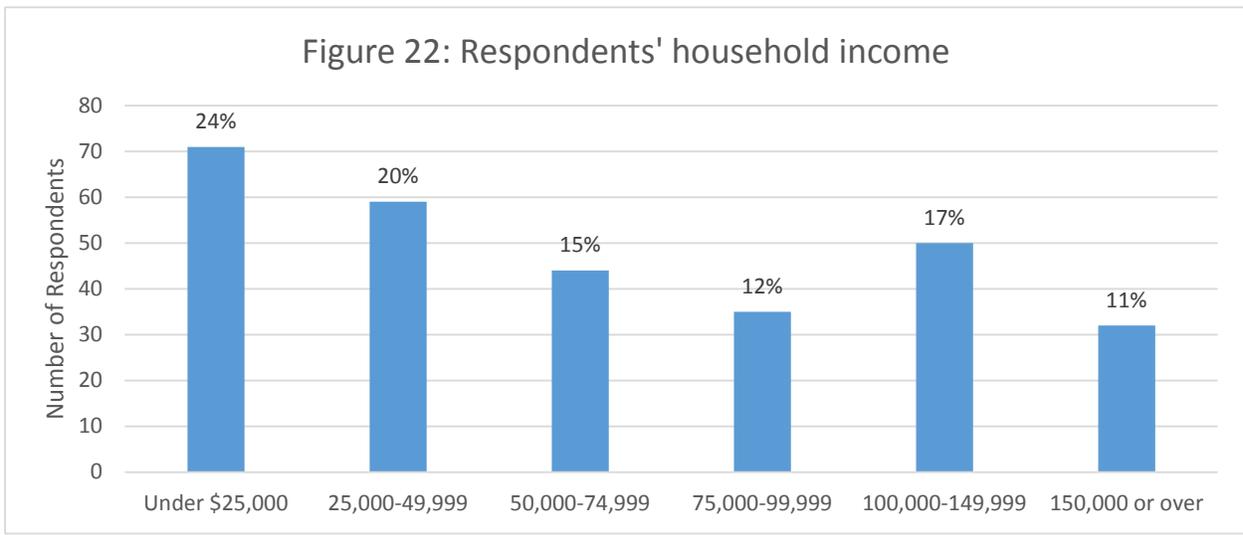
There was a wide distribution in the level of respondents' formal education. A large proportion had "some college" and the next highest proportion had a "4 year college degree (BA/BS)." Figure 21 presents the respondents highest level of formal education.



Information about income is important because people with different incomes come to Public Lands for different reasons. What is your annual household income?

- Under \$25,000
- \$25,000-\$49,999
- \$50,000-\$74,999
- \$75,000-\$99,999
- \$100,000-\$149,999
- \$150,000 or over
- Don't know

There was a wide distribution in respondents' household incomes. Both the mean and median household incomes fell within \$50,000 - \$74,000. Figure 22 presents the distribution in respondents' household incomes.



Appendices

Appendix A: Comments for Forest Service

If you could ask the U.S. Forest Service to change some things about the way they manage American Fork Canyon/the Alpine Loop, what would you ask them to do?

Restrict motorcycles (single track).

Put water up here.

Grove Creek and Battle Creek--people shoot guns. Reduce use of guns around trails.

Parking, it's an issue.

Really help.

Enforce speed limit. Paved and unpaved.

Make it free.

Make it free.

Stock more trout in Tibble Fork Reservoir.

Put in more fish.

Limit the number of people, it gets too crowded. There's a lot of overuse.

More accessible info about birding.

Have the water on/accessible in winter.

More detailed map at trailhead, water stations.

I would like to see an ATV trail somewhere (other than AF canyon).

There are a lot of dead trees along road, these could be a safety hazard. Camp host - rules need to be consistent from year to year.

Keep the scenery as it is.

Reduce traffic.

Don't let motorized vehicles here in the summer.

Don't allow any more ski expansion.

Maintain the Great Western trail and keep it open to motor cycles.

Less people, more areas for wildlife.

Don't expand Wilderness.

Find ways to keep it cleaner and less manmade things and damage to nature.

Widen the road so more cars can go through the pass.

Widen/improve the road.

Free parking for half day trips in Timpanoeokee would be nice.

Not so rude at the ticket office to enter AF canyon.

Make signs in the trail specifying on the distance left to get to the G and cool facts

Manage how many people are using the campgrounds and publicly publishing if specific campgrounds are full or will be so we can better plan campouts and other activities.

Don't raise fees.

Lower the price they charge for camping in their campsites. Never lived in a place that charged more than \$10 to camp.

Find a way to spread out all the people.

Maybe designated roads for longboarding.

Keep the motor vehicles out.

Don't allow paintballing or airsoft.

Link shoreline trail together, and make it more accessible.

It is hit and miss whether they make us pay, make it more consistent.

Let us keep access, we love it here.

Open the road earlier if the snow is clear.

Create larger shoulder for biking or biking trail.

The campsites get so dirty and littered, is there any way to clean that more often?

Some of the sites are overdeveloped.

1st and 2nd Hammongog trail head should had paved road and parking lot, and this place too.

Make it free.

Make it free.

Take motorcycles and mtn. bikes off trails.

Keep the bathrooms open.

Better funding.

Cycling path/lane.

Bike specific access - bike lanes or bike paths.

Make trailheads along road better.

Better quality bathrooms. Maybe have transportation options here. Don't charge money to spend time here, nature is free, not maintained.

Don't cut down trees.

Campgrounds at Tibble Fork.

Build more mtn. bike trails, connect the Bonneville Shoreline trail better, continue dog access, and prevent fires in hell cave.

More hiking paths.

Didn't like to pay and access control. Remember benefits of non-law enforced side of management. Money and attention is going toward way to get an inter-agency pass. I have never had a bad interaction with P.G. ranger though.

Put up signs telling you what is closed (Silver Lake).

Make more camping/picnic sites.

Make gravel roads more accessible without ATV/high clearance.

Limit access to roads for dirt bikes/snowmobiles.

Advertise better for what's up here to do; when booth is closed, have way to pay with card.

More knowledge on trails.

Open roads when weather permits; keep reservoir stocked with fish; more year round restroom access.

Open roads sooner; keep reservoir stocked with fish better; stock higher reservoirs.

More wilderness.

People ride ATV's too fast, accidents happen. It's scary for us.

Open roads.

Keep bathrooms open longer.

More signs at forks in trails; more info about hikes on internet (google search).

Trash cans.

Allow tyroleans in AF across river.

Trails open longer.

Stop having it cost so much to get into AF canyon. Most of the time I just want to go on a hike, but don't want to pay \$10+ for a whole day pass.

Better marked trail markers along Bonneville shoreline trail and other places.

Keep it natural and not too over developed.

Garbage

Allow overnight parking.

Post more opportunities for volunteer projects.

Less developed, all dirt road (no parking lot).

Nicer toilets, allow motorized vehicles in foothills, provide lighting in parking lots.

Hunting season is too long.

Enforce/restrict target shooting near trails.

More maps at trailhead.

Garbage pickup at Aspen Grove Trail Head; the bathroom at Kiwanis park needs cleaned up.

Put up a sign describing each trail and difficulty.

Maintain the restrooms at Kiwanis Park better. More flexible support of large group use of AF and Alpine loop (restrictions should be behavior based rather than number of people in group).

More trails.

More trails to hike.

Keep access to public open; open more areas to hunting.

They do a fantastic job.

Watch people so they don't keep fires going and leave trash.

Less trash.

Get cell reception up here.

Try to limit people.

Better maps, printed and on signs.

Open up roads earlier.

There's a lot of glass out here at Tibble Fork.

Dedicated bike trail for the paved road.

Control traffic (number), everyone drives.

Label drinking water (for cyclists); larger shoulder (might be unrealistic).

DON'T MAKE US PAY FOR NATURE!

Pick up more trash; don't pay as much to get in.

Make it free, nature shouldn't cost money.

Grey Cliffs climbing area - better trail maintenance and development.

Clean the trash.

Less trash on trails, remove large rocks from trails/roads.

Keep roads maintained better.

Lower prices on group sites, \$100 for 4 hours is too much; Keep roads better, sides of roads are chipping off.

Larger fish planted.

Make it cheaper to come up, it adds up for how much I come up.

More bathrooms.

Promote people to clean up after themselves.

Maybe something for all ATV's and OHV people so they aren't just racing up and down dirt roads.

Make dirt roads a little better, less large rocks.

Widen the roads or put a barrier up on the cliff turns.

Tighten up on coming into the camps and making sure people are taking their garbage.

Trash management.

Times when roads are closed for cars, but they could be accessible for motorcycles.

No more development (ATV's, snowmobiles, campgrounds).

Don't open it up to more ATV's or snow mobiles.

Better, cleaner maps and signs.

Improve parking and roads.

Larger parking at Timpanogos trail on AF side; I'm against the privatization of public lands.

Create a leash-less dog park.

Better signs with mileage.

Free entry.

Better marked signs with mileage, difficulty, etc. Information about trail conditions. Easier to find trails on the web to plan our trip. Better cared for bathrooms.

When snow years are bad, open gates on alpine loop SOONER.

More clarity about snowbirds desires and intentions in regards to buying land around mineral basin. I have fears about 4x4 trails being shut down.

Keep trails up-to date with natural disasters that have happened (on websites or signs).

Encourage people to not litter, trash can at Dry Creek (Alpine).

Better trail map resources; better signage - e.g. mileage for trail junctions.

Stop cutting down baby trees and how people don't properly put out fires.

Pave road up to Silver Lake and Rocky Mtn. campground.

More signs at trailhead and AF mouth. E.g. where's camping allowed and not allowed, more trashcans.

Appendix B: Respondents reasons for picking sites by site.

Pine Hollow	A great road, views
	Access, less traffic
	Beautiful
	Beauty, close to home
	Close
	Close proximity
	Close to home
	Close to home, good trailhead, not a lot of people
	Close, short hike
	Closed road, dogs allowed
	Fewer people, scenery
	Hiking
	It is beautiful, and my birthday
	Nostalgic
	New to area
	Outside
	Road without cars
	Scenery
	Scenery, picnic
	The climb
	Trail
	Trailheads
	Venue, the challenge
View	
Mt Timpanogos TH/Picnic Site/Theater in the Pines	All-time favorite site
	Close
	Familiar
	Familiar
	Fewer people, scenery
	It had snow
	Length of hike
	Meeting at Aspen Grove
	New place
	Other activities nearby
	Scenery
	Scenery
	Scenery

	Snow
	Snow
	Snow, close to road, view
	To get out, look around
	trail
	Trails
	Trails
	View scenery and wildlife
	Views
Roadhouse	Bathroom, distance to another location
	Bathrooms, scenery
	Bridges
	Close to home
	Close to home, by the creek and bathroom
	Close to home, the river
	Close, convenience
	Close, fire pits
	Easy access
	Four-wheeling
	I heard there's gold here
	Picnic table, flat area
	Picnic, bathrooms
	River
	River
	River
	River
	Show our brother-in-law from CA
	Sister knew area
	To get out in nature
Martin	Because it was open and accessible
	Campsite
	Close to home
	Close to home
	Close to home
	It was open and close
	River
	Upper road closed
	Upper road was closed
Mile Rock	Bridges and water

	Cascade was closed
	Hiking/walking
	I know there are fish here
Tibble Fork	Access
	Access, lake
	AF canyon is the best
	Allow dogs, lakes
	Alpine loop was closed
	Bathrooms
	Bathrooms
	Beautiful scenery
	Beauty, scenery
	Close to home
	Close to home and scenery
	Close to home, heard fishing was good
	Close to home, scenic trail
	Close to home; scenery
	Close to work and hotel
	Closer to home
	Closest fishing spot
	Different option
	Easy access
	Easy hike with kids
	Easy to access for short afternoon visit
	Easy to get to
	Everything else was closed
	Familiar, easy to get to

	Family, close
	Fewer people, close to home
	Fishing
	Fishing and beauty
	Fishing, scenery, bathrooms
	Friends
	Gold potential
	Good kid area
	Hiking
	Hiking, relaxing
	I like to look at the reservoir
	It look pretty
	It's beautiful
	It's awesome
	It's close to home
	Lake
	Lake
	Lake
	Lake
	Lake, fish
	Lake, scenery
	Nature
	New to us
	New to us
	Only pretty hike, good location.
	Picnic area
	Photos
	Picnic tables
	Picnic tables
	Pictures
	Pretty, dogs allowed

	Pretty, lake
	Rain
	Reservoir
	Rock climbing
	Scenery
	Scenery
	Scenery, close to home
	Scenery, familiar
	Scenery, fishing
	Scenery, hiking, canoeing
	Scenery, reservoir
	Sightseeing
	Southern road closed
	The view, close to home
	Trails
	Visit
	Water
	Water
	Water
Snake Creek	Adventure, new
	Beautiful trails for horseback riding today
	Close
	Familiar
	Familiar to us
	Fewer people
	Fewer skiers (e.g. LCC)
	I know this site
	I like it here
	New
	Only way to access this area
	Scenery
	Scenery, close to home
	Scenery, proximity to Heber
	See wildlife
	To away from people
	View, dirt road
	Wanted to see campsite
Soldier Hollow	ATVs
	Close to home

	Dogs allowed
	Good turkey hunting
	Man vacation
Dry Creek (Alpine)	Beautiful trail, falls
	Close to home
	Close to home, very scenic
	Easy access, wide trail
	Fewer people, scenery
	Hike to waterfall
	Live close
	Meditation
	Nice and very fun
	Proximity
	Short walk with son
	To be with my daughter
	Waterfalls
Grove Creek (Pleasant Grove)	Beauty
	Beauty, trail
	Close to home
	Close, picnic tables, view
	Convenient
	Hiking
	Hiking
	I live close
	I've never been here before

	Live close
	Location, close
	New site, near by
	New to me
	New to me
	Scenery
	Scenery
	Scenery
	Trail
	Trails
Battle Creek (Pleasant Grove)	Accessibility
	Close to home
	Close to home, new
	Close to home
	Day date
	Day date
	Easy hike
	Easy trail
	Good hike
	Good hiking
	Good mountain bike trails
	Hear a lot of good things
	Hike in warm weather
	Hiking
	Hiking
	I grew up around here
	I know the trail
	Length of trail
	Less snow
	Lower elevation hike
	New to me, trail
	Peaceful
	Quiet

	Rappelling
	Rappel down waterfall
	Running (trails)
	Scenery
	Scenery
	Scenery, close to home
	Scenery, nature
	Scenery, rappelling
	Scenery, trails
	Scenery; close to home
	School activity
	Short and steep hike
	Sounded fun
	The waterfall
	The waterfall
	To hang out
	To hang out with family
	To have fun
	Trail
	Trail, few people, scenery
	Trail, shade
	Trail, short hike
	Trails
	Trails
	Trails
	Very nice hike, close to home
	Waterfall
	Waterfalls, trail
	Well developed

Dry Canyon (Lindon)	Baldy
	Close
	Close to home
	Close to mountains
	Closet place
	Fewer people
	Fewer people
	Fewer people, close to home
	Hills Trails
	I live close
	I live close
	I live close
	Live close
	Live close by
	Local
	Longboarding
	Nice spot to skate
	No motorcycles, there's dog access
	Not a lot of time, no snow.
	Not busy, my dogs can come.
	Right by home
	Scenery
	Scenery
	Short hike
	The trail is dry here.
	The view and closeness
	To get out of house
Trail is easy on kids	

	Trail run
	Trails
	View

Appendix C: Comments by respondents explaining why their out-group encounters positively enhanced their recreational experience.

Boom box and yoga pads.

Brief visit.

Cheered for me as I rappelled.

Cheered us as we rappelled.

Come during week because I know it's not busy.

Cool photo shoot.

Encouraging.

Enjoying their time just like me.

Far enough into the backcountry people have better attitudes.

Fewer people are better.

Friendly.

Friendly.

Fun to talk to other people who enjoy the same things.

Good attitude.

Good vibes.

Great conversation.

Happy, positive people.

He made me do a survey.

He made me think.

He was nice.

I always love seeing people.

I avoid Saturdays; a lot of people.

I don't want to be the only one out here.

I get away, but the people I do see are great.

I got to think clearly.

I like a few people around, just not congested crowds.

I like saying "hi" (they didn't have guns).

I like seeing people.

I like to be by myself.

I like to get away.

I love seeing families around here.

I said "hi."

Information.

It is good to see people out.

It's good to see people.

It's nice to see other people who like the outdoors.

Kids had boom box and yoga pads, it was funny.

Kindness.

Fewer people the better.

Nice.

Nice calm family atmosphere.

Nice people.

Nice people/friendly.

Nice to be alone.

Nice to meet or talk with new people.

Nice to meet others.

Nice to see people.

Not too busy.

People are friendly.

People were friendly.

People were nice.

Polite, friendly, encouraging people.

Positive and encouraging.

Pretty dogs.

Puppies.

Ran into mountain biking friend.

Ran into someone we knew.

Rappelling demonstration was neat.

Said "hello."

Said "hi."

Sense of community.

Share materials and stuff.

Sharing the experience.

Snowmobilers were friendly.

Talked about trail conditions.

The cats were cool.

The fewer the better.

The runners and cyclist encouraged me to get active.

They said "hello," brought fun bets.

They said "hi."

They shared with us how the rest of the trail was.

They took our picture for us.

They were all nice.

They were friendly.

They were friendly.

They were friendly and helpful.

They were nice.

They were nice.

They were nice and friendly.

They were pleasant.

They were positive.

They were very friendly.

Very approachable.

Very friendly and enjoying themselves greatly.

Very friendly, nice.

Very knowledgeable.

Very respectful.

Was very nice.

Weren't a lot of people.

Appendix D: Survey Schedule.

~ February 2015 ~						
◀ Jan 2015						Mar 2015 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12 Tibble Fork (PM)	13 Soldier Hollow (AM)	14
15	16 Martin (PM)	17 Dry Canyon (PM)	18	19	20 Pine Hollow (PM)	21 Roadhouse (PM)
22 Grove Creek (PM)	23	24 Mt. Timp/Theater in the Pines (AM)	25 Soldier Hollow (AM)	26 Dry Creek (PM)	27	28 Snake Creek (AM)

◀ Feb 2015		~ March 2015 ~					Apr 2015 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
1	2 Martin (PM)	3 Saw Mill (PM)	4 Pine Hollow (PM)	5	6	7 Battle Creek (PM)	
8 Roadhouse (AM)	9 Dry Canyon (PM)	10 Grove Creek (AM)	11 Snake Creek (AM)	12 Mt. Timp/Theater in the Pines (AM)	13	14 Martin (AM)	
15 Dry Creek (Alpine) (AM)	16	17	18 Mt. Timp/Theater in the Pines (AM)	19	20	21	
22	23 Roadhouse (PM)	24 Mt. Timp/Theater in the Pines (AM)	25	26	27	28	
29	30 Pine Hollow (PM)	31 Tibble Fork (AM)	Notes: AM = 8:00am-2:00pm PM = 11:00am-5:00pm				

~ April 2015 ~						
◀ Mar 2015						May 2015 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 Saw Mill (AM)	2	3 Martin (PM)	4 Soldier Hollow (AM)
5	6 Martin (AM)	7 Dry Canyon (PM)	8	9	10	11
12 Tibble Fork (PM)	13 Snake Creek (PM)	14	15	16 Mt. Timp/Theater in the Pines (AM)	17 Snake Creek (PM)	18
19 Dry Canyon (PM)	20	21	22 Grove Creek (AM)	23	24 Battle Creek (AM)	25 Soldier Hollow (AM)
26	27 Dry Canyon (Alpine) (AM)	28 Roadhouse (PM)	29 Tibble Fork (PM)	30	Notes: AM = 8:00-2:00 PM = 12:00-6:00	

~ May 2015 ~						
◀ Apr 2015						Jun 2015 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4 Soldier Hollow (PM)	5 Pine Hollow (PM)	6 Tibble Fork (AM)	7 Roadhouse/Martin/Mile Rock (PM)	8	9 Soldier Hollow (PM)
10	11 Snake Creek (AM)	12 Battle Creek (PM)	13 Dry Creek (Alpine) (PM)	14 Roadhouse/Martin/Mile Rock (PM)	15	16
17	18	19 Saw Mill (AM)	20	21	22 Mt. Timp/Theater in the Pines (AM)	23 Tibble Fork (AM)
24 Dry Canyon (AM)	25 Mt. Timp/Theater in the Pines (PM)	26	27	28	29	30 Battle Creek (PM)
31 Grove Creek (AM)	Notes: AM = 8:00-2:00 PM = 1:00-7:00					

Appendix E: Places and reasons respondents no longer visit

Above Tibble Fork, a lot of people partying.

AF - really crowded there.

AF, they started charging and there is still trash.

Airsoft pellets.

Alpine loop road in winter (snowshoeing). Negative experience with snowmobiles.

American Fork Canyon, lady in charge of campsites, she was rude.

Any busy campground.

Battle Creek - weird people at night.

Bikers are too fast on trails.

Bridal Veil Falls—too many people.

Bridal Veil Falls trail on weekends.

Cascade - so many ATVs, lots of trash.

Forest service personnel.

Horse poop gets annoying

Horsetail - gets trashed, people drinking and leaving stuff.

I don't come on the weekends.

I don't like beer bottles here.

I like the quiet.

I like wilderness and the peace.

I try to stay away if it's too busy.

It's hard to drive up AF canyon with all the bikers.

Mill Canyon.

Mineral Basin.

OSS, other trails, motorized vehicles.

Picnic areas.

Picnic sites, bigger parties.

Provo Canyon Trail - too many people.

Road above Tibble Fork, ATV & motorcycles drive too fast. I use ATVs as well.

Right above Tibble Fork, I used to hike up there, but now there are too many ATVs

Salamander flat - not controlled, too loud.

Silver Lake, we took a group of scouts and a group brought booze up there and were loud.

Spanish Fork Canyon.

The Y mountain, too popular.

Tibble Fork - crowded, but expected.

Tibble Fork - too many people up there.

Tibble Fork (4-wheelers) avoid certain times.

Tibble Fork, too many people.

Tibble fork, we have motor cycles, but I can't hike some of those trails I used to because of motorcycles.

Tibble- motorbikes, some are cool, some are not.

Tibble Fork, area is crazy.

Timpanogos Cave, have to make reservation.

Timpanogos over holidays.

Too many motorized vehicles - up by Tibble Fork.

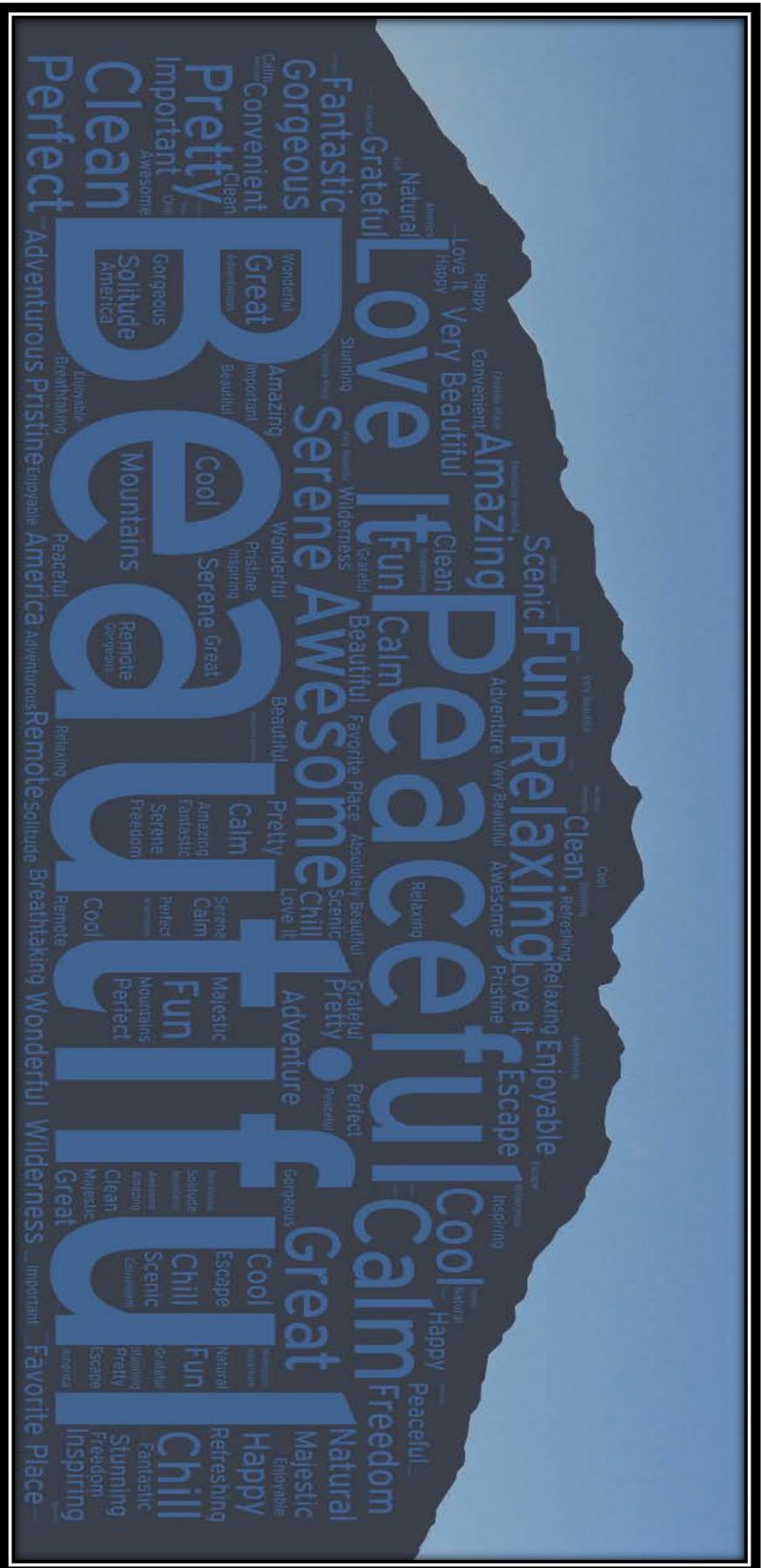
Areas with too many people.

Too many people - granite flats, those areas near Tibble fork.

Trails with ATVs

When I mountain bike by Tibble fork, the dirt bike are noisy.

Appendix F: Word map from the following intercept survey question, "If you could choose just one or two words to describe your personal feelings about American Fork Canyon/the Alpine Loop what would the word(s) be?"



Appendix G: Survey Instrument

Survey ID#: _____

(Please Leave Blank)

**Visitor Intercept Survey
Pleasant Grove Ranger District
Uinta-Wasatch-Cache National Forest**

Surveyor Introduction:

Hello! I am surveying visitors using the National Forest here on the Pleasant Grove Ranger District, as part of a study being conducted by Utah State University's Institute for Outdoor Recreation and Tourism, and we are very interested in learning more about you as a recreationist.

To Be Completed by Surveyor:

Date: _____ Day: M Tu W Th F S Su

Time: _____ Location: _____
a.m./p.m. _____

Surveyor's Name: _____

Your participation in this survey is voluntary and all of your answers to these questions will be kept strictly confidential.

1. Would you be willing to take a few minutes to complete this survey?

Yes No (If "No," ask for ZIP Code or County and record on DSF)

2. Are you a resident of the United States?

Yes If Yes, what is your Home ZIP Code? _____

No If No, what Country are you from? _____

3. How long are you going to be recreating on this trip to American Fork Canyon/the Alpine Loop?

Short trip under three hours

About half the day

The majority of the day

Overnight

Multiple days – If so, how many? _____ days

4. On this trip, are you planning on visiting any other sites in American Fork Canyon, or on the Alpine Loop besides this one? Yes No

If Yes, how many other sites are you going to visit? _____ sites

5. On average, how many times per year do you visit American Fork Canyon/Alpine Loop?

_____ times per year

6. What types of areas do you use most often when recreating here in American Fork Canyon/Alpine Loop?

Developed areas, such as developed campgrounds, picnic areas, etc.

Undeveloped areas, such as trails, dirt roads, rivers and lakes, dispersed camping, wilderness, etc.

I use both developed and undeveloped areas equally.

7. For **TODAY**, please check “✓” all of the Recreation Activities you have participated in (or will participate in). Then, **Circle** your **MAIN** activity or purpose for visiting American Fork Canyon/Alpine Loop **TODAY**.

✓	RECREATION ACTIVITIES
NON-MOTORIZED ACTIVITIES	
	Hiking/Walking
	Trail running
	Horseback riding
	Road cycling
	Mountain biking
	Fat biking
	Non-motorized water travel (canoe, kayak, raft, sail)
	Rock climbing
	Ice climbing
	Downhill skiing (Resort)
	Snowboarding (Resort)
	Cross-country skiing
	Backcountry skiing
	Backcountry snowboarding
	Snowshoeing
	Sledding, tobogganing
	Other non-motorized activities (races, endurance events)
MOTORIZED ACTIVITIES	
	Driving for pleasure on roads (paved, gravel or dirt)
	Riding on motorized trails (non-snow, OHV/ATV)
	Snowmobile travel
	Other motorized activities (races, games)
VIEWING & LEARNING—NATURE & CULTURE	
	Viewing wildlife, birds, fish, natural features, scenery, flowers, etc.
	Photographing birds, fish, natural features, scenery, flowers, etc.
	Visiting historic and prehistoric
	Nature study
	Visiting a nature center, interpretive trail, or visitor center

✓	RECREATION ACTIVITIES
CAMPING OR OTHER OVERNIGHT	
	Camping in developed sites (family or group sites)
	Primitive camping (motorized in roaded areas)
	Primitive camping (backpacking in unroaded backcountry areas)
	Resorts, cabins, or other accommodations on Forest Service managed lands (private or FS)
FISHING & HUNTING	
	Fishing—all types
	Hunting—all types
OTHER ACTIVITIES	
	Picnicking or family day gatherings in developed sites (family or group)
	Gathering mushrooms, berries, firewood, or other natural products
	Relaxing, hanging out
	Escaping heat, noise, pollution, etc.
	Exercising
	Walking/Exercising Pet(s)
	Visiting Timpanogos Cave National Monument
OTHER ACTIVITIES NOT LISTED? (Please write in below and ✓ to left.)	

12. Have you recreated in the Lone Peak Wilderness or Mt. Timpanogos Wilderness areas?

- Yes → Lone Peak Wilderness, and/or Mt. Timpanogos Wilderness
 No
 I don't know

12a. If yes, what recreational activities do you typically engage in when you visit these Wilderness areas?

12b. How many times have you visited these Wilderness areas in the last 12 months?

Lone Peak Wilderness _____

Mt. Timpanogos Wilderness _____

13. How important are these Congressionally designated Wilderness areas to you?

Not important at all		Neutral		Very important
1	2	3	4	5
				6
				7

14. Would you support the expansion of Wilderness areas in American Fork Canyon/Alpine Loop?

- Yes No

Please explain: _____

15. Are there places in American Fork Canyon/Alpine Loop you no longer visit because encounters with other forest users/uses have negatively affected your recreational experience? Yes No

If Yes, please identify the area(s) and explain the type of encounter and why you no longer visit:

16. About how many people outside of your group did you encounter (see, talk to, interact with, etc.) while recreating today? _____ people

16a. What do you think about the number of people you encountered while recreating today?

Did they positively enhance your experience? Yes No

If Yes, in what ways? Please describe:

Did they negatively affect your experience? Yes No

If Yes, in what ways? Please describe:

They neither positively enhanced nor negatively affected my experience.

17. How did you access the recreation site you are visiting today? (Check one)

Personal Vehicle—How many people were in your vehicle TOTAL? _____

Biked on my own

Walked on my own

Other Please describe: _____

18. If a public transit system were available, would you have used it today to reach this recreation site?

Yes No

Please explain: _____

To which of the following sites would you like to see shuttle transportation?

Timpanogos Cave NM

Timpooneke

Mt. Timp/AG

Sawmill (Cross Country)

Summit

Cascade Springs

Tibble

Pine Hollow

General Sightseeing

19. If you could choose just one or two words to describe your personal feelings about American Fork Canyon/Alpine Loop what would the word(s) be?

20. Are you recreating alone today? Yes No

If No, how many people (total) are in your group? _____ people

Of these, how many are under 16 years of age? _____ people

21. Does anyone in your group have any disabilities? Yes No

If Yes, were the areas and facilities you visited accessible? Yes No

If No, please explain: _____

22. Do you consider yourself Hispanic or Latino(a)?

Yes, Hispanic or Latino(a)

No, not Hispanic or Latino(a)

23. With which racial group do you most closely identify?

American Indian/Alaska Native

Asian

Black/African American

Native Hawaiian or other Pacific Islander

White

24. In what year were you born? _____

25. What is your sex: Male Female

26. What is the highest level of formal education you have completed?

Less than a high school degree High school degree or GED

Some college 2 year technical or associate degree

4 year college degree (BA/BS) Advanced degree (e.g., Master's, JD, MD, DO, Ph.D.)

27. Information about income is important because people with different incomes come to Public Lands for different reasons. What is your annual household income?

Under \$25,000

\$100,000-\$149,999

\$25,000-\$49,999

\$150,000 or over

\$50,000-\$74,999

Don't know

\$75,000-\$99,999

28. We would like to learn more about your recreational experience and your perspectives on planning for the future of the American Fork Canyon/Alpine Loop.

Would you be willing to participate in a follow-up e-survey that asks questions specific to issues regarding resource protection, transportation, access, and capacity on the Pleasant Grove Ranger District?

Yes No

If Yes, please provide your first name and e-mail address below:

First Name: _____

E-mail Address: _____

(please write clearly)

29. If you could ask the U.S. Forest Service to change some things about the way they manage American Fork Canyon/the Alpine Loop, what would you ask them to do?